

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

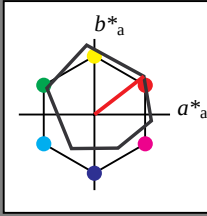
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.24	2.14	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.67	32.15	28.41	0.0
LAB*LABa	71.67	32.69	25.25	0.0
LAB*TCRa	75.0	0.01	37.69	0.0
relative CIELAB lab*				
lab*lab	0.693	0.396	0.306	0.0
lab*tch	0.75	0.5	0.105	0.0
lab*nch	0.0	0.5	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.693	0.477	0.15	0.0
lab*tce	0.5	0.5	0.048	0.0
lab*nce	0.0	0.5	0.048	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.25	0.25	(1.0)
cmyn3*	0.25	0.75	0.75	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	52.33	32.63	27.11	0.0
LAB*LABa	52.33	32.69	25.26	0.0
LAB*TCRa	50.0	0.01	37.69	0.0
relative CIELAB lab*				
lab*lab	0.443	0.396	0.306	0.0
lab*tch	0.625	0.25	0.105	0.0
lab*nch	0.0	0.25	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.443	0.477	0.15	0.0
lab*tce	0.5	0.5	0.048	0.0
lab*nce	0.0	0.5	0.048	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	32.98	32.9	25.8	0.0
LAB*LABa	32.98	32.69	25.25	0.0
LAB*TCRa	25.01	0.01	37.69	0.0
relative CIELAB lab*				
lab*lab	0.193	0.396	0.306	0.0
lab*tch	0.25	0.5	0.105	0.0
lab*nch	0.0	0.5	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.193	0.477	0.15
lab*tce	0.5	0.5	0.048	0.0
lab*nce	0.0	0.5	0.048	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.5	16.7	12.66	0.0
LAB*LABa	25.5	16.34	12.62	0.0
LAB*TCRa	12.5	0.01	37.69	0.0
relative CIELAB lab*				
lab*lab	0.097	0.198	0.153	0.0
lab*tch	0.125	0.25	0.105	0.0
lab*nch	0.0	0.25	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.097	0.25	0.075	0.0
lab*tce	0.125	0.25	0.048	0.0
lab*nce	0.0	0.25	0.048	0.0

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

$n^* = 5,25$

$n^* = 5,50$

$n^* = 5,75$

$n^* = 6,00$

$n^* = 6,25$

$n^* = 6,50$

$n^* = 6,75$

$n^* = 7,00$

$n^* = 7,25$

$n^* = 7,50$

$n^* = 7,75$

$n^* = 8,00$

$n^* = 8,25$

$n^* = 8,50$

$n^* = 8,75$

$n^* = 9,00$

$n^* = 9,25$

$n^* = 9,50$

$n^* = 9,75$

$n^* = 10,00$

$n^* = 10,25$

$n^* = 10,50$

$n^* = 10,75$

$n^* = 11,00$

$n^* = 11,25$

$n^* = 11,50$

$n^* = 11,75$

$n^* = 12,00$

$n^* = 12,25$

$n^* = 12,50$

$n^* = 12,75$

$n^* = 13,00$

$n^* = 13,25$

$n^* =$

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

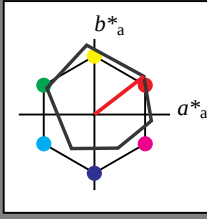
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.24	2.14	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	8.33	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	83.54	15.38	16.58	0.0
LAB*LABa	83.54	16.34	12.62	0.0
LAB*TCRa	87.5	20.65	37.69	0.0
relative CIELAB lab*				
lab*lab	0.847	0.198	0.153	0.0
lab*tch	0.875	0.25	0.105	0.0
lab*nch	0.0	0.25	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.847	0.238	0.075	0.0
lab*tce	0.875	0.25	0.048	0.0
lab*nce	0.0	0.25	0.191	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	64.19	15.38	15.28	0.0
LAB*LABa	64.19	16.35	12.63	0.0
LAB*TCRa	62.5	20.66	37.69	0.0
relative CIELAB lab*				
lab*lab	0.597	0.198	0.153	0.0
lab*tch	0.625	0.25	0.105	0.0
lab*nch	0.0	0.25	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.597	0.238	0.075	0.0
lab*tce	0.625	0.25	0.048	0.0
lab*nce	0.25	0.25	0.191	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.5	0.75	0.75	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	44.84	16.33	13.97	0.0
LAB*LABa	44.84	16.33	12.63	0.0
LAB*TCRa	37.5	20.66	37.69	0.0
relative CIELAB lab*				
lab*lab	0.347	0.198	0.153	0.0
lab*tch	0.375	0.25	0.105	0.0
lab*nch	0.0	0.25	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.347	0.238	0.075	0.0
lab*tce	0.375	0.25	0.048	0.0
lab*nce	0.5	0.25	0.191	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.5	16.7	12.66	0.0
LAB*LABa	25.5	16.34	12.62	0.0
LAB*TCRa	12.5	20.65	37.69	0.0
relative CIELAB lab*				
lab*lab	0.097	0.198	0.153	0.0
lab*tch	0.125	0.25	0.105	0.0
lab*nch	0.0	0.25	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.097	0.238	0.075	0.0
lab*tce	0.125	0.25	0.048	0.0
lab*nce	0.75	0.25	0.191	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.67	32.15	38.41	0.0
LAB*LABa	71.67	32.69	25.25	0.0
LAB*TCRa	75.0	41.31	37.69	0.0
relative CIELAB lab*				
lab*lab	0.693	0.396	0.306	0.0
lab*tch	0.75	0.5	0.105	0.0
lab*nch	0.0	0.5	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.693	0.477	0.15	0.0
lab*tce	0.75	0.5	0.048	0.0
lab*nce	0.0	0.5	0.191	0.0

relative Inform. Technology (IT)				
olvi3*	1.0	0.25	0.25	(1.0)
cmyn3*	0.0	0.75	0.75	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.75	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	59.8	48.73	40.24	0.0
LAB*LABa	59.8	49.03	37.88	0.0
LAB*TCRa	62.5	61.96	37.69	0.0
relative CIELAB lab*				
lab*lab	0.54	0.593	0.458	0.0
lab*tch	0.625	0.75	0.105	0.0
lab*nch	0.0	0.75	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.54	0.716	0.224	0.0
lab*tce	0.625	0.75	0.048	0.0
lab*nce	0.0	0.75	0.191	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.94	65.37	52.06	0.0
LAB*LABa	47.94	65.37	50.51	0.0
LAB*TCRa	50.0	82.61	37.69	0.0
relative CIELAB lab*				
lab*lab	0.387	0.791	0.611	0.0
lab*tch	0.5	1.0	0.105	0.0
lab*nch	0.0	1.0	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.387	0.954	0.299	0.0
lab*tce	0.5	1.0	0.048	0.0
lab*nce	0.0	1.0	0.191	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.0	(1.0)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

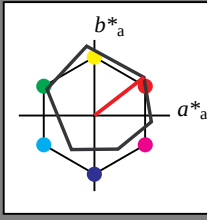
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.38	4.75	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.24	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	
LAB*LABa	37.36	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.67	32.15	28.41	
LAB*LABa	71.67	32.15	28.41	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.847	0.198	0.153	
lab*tch	0.875	0.25	0.105	
lab*nch	0.0	0.25	0.105	
relative Natural Colour (NC)				
lab*trj	0.847	0.238	0.075	
lab*tce	0.875	0.25	0.048	
lab*nce	0.0	0.25	0.191	

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	52.33	32.15	27.11	
LAB*LABa	52.33	32.15	27.11	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.597	0.198	0.153	
lab*tch	0.625	0.25	0.105	
lab*nch	0.0	0.25	0.105	
relative Natural Colour (NC)				
lab*trj	0.597	0.238	0.075	
lab*tce	0.625	0.25	0.048	
lab*nce	0.0	0.25	0.191	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	44.84	16.33	13.97	
LAB*LABa	44.84	16.33	13.97	
LAB*TCRa	37.5	0.06	-	
relative CIELAB lab*				
lab*lab	0.347	0.198	0.153	
lab*tch	0.375	0.25	0.105	
lab*nch	0.0	0.25	0.105	
relative Natural Colour (NC)				
lab*trj	0.347	0.238	0.075	
lab*tce	0.375	0.25	0.048	
lab*nce	0.0	0.25	0.191	

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	32.98	32.9	25.8	
LAB*LABa	32.98	32.9	25.8	
LAB*TCRa	25.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.193	0.198	0.153	
lab*tch	0.25	0.5	0.105	
lab*nch	0.0	0.5	0.105	
relative Natural Colour (NC)				
lab*trj	0.193	0.477	0.15	
lab*tce	0.25	0.5	0.048	
lab*nce	0.0	0.5	0.191	

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 37/360 = 0.103$

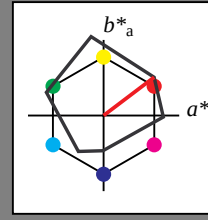
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	96.31	-0.11	2.58	
LAB*LABa	96.31	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	
LAB*LABa	76.38	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	
LAB*LABa	56.44	0.0	0.0	
LAB*TCh	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

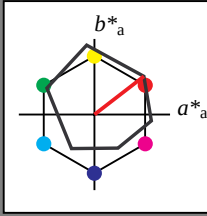
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.24	2.14	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.67	32.15	28.41	0.0
LAB*LABa	71.67	32.15	28.41	0.0
LAB*TCRa	75.0	0.01	37.69	0.0
relative CIELAB lab*				
lab*lab	0.847	0.198	0.153	0.0
lab*tch	0.875	0.25	0.105	0.0
lab*nch	0.0	0.25	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.847	0.25	0.075	0.0
lab*tce	0.875	0.25	0.048	0.0
lab*nce	0.0	0.25	0.191	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	52.33	32.15	27.11	0.0
LAB*LABa	52.33	32.15	27.11	0.0
LAB*TCRa	50.0	0.01	37.69	0.0
relative CIELAB lab*				
lab*lab	0.597	0.198	0.153	0.0
lab*tch	0.625	0.25	0.105	0.0
lab*nch	0.0	0.25	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.597	0.25	0.075	0.0
lab*tce	0.625	0.25	0.048	0.0
lab*nce	0.0	0.25	0.191	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	32.98	32.9	25.8	0.0
LAB*LABa	32.98	32.9	25.8	0.0
LAB*TCRa	25.01	0.01	37.69	0.0
relative CIELAB lab*				
lab*lab	0.443	0.396	0.306	0.0
lab*tch	0.463	0.396	0.306	0.0
lab*nch	0.0	0.396	0.306	0.0
relative Natural Colour (NC)				
lab*trj	0.443	0.396	0.306	0.0
lab*tce	0.463	0.396	0.306	0.0
lab*nce	0.0	0.396	0.306	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.097	0.198	0.153	0.0
lab*tch	0.125	0.25	0.105	0.0
lab*nch	0.0	0.25	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.097	0.25	0.075	0.0
lab*tce	0.125	0.25	0.048	0.0
lab*nce	0.0	0.25	0.191	0.0

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

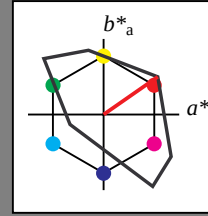
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

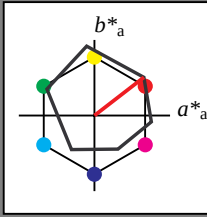
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*TCHa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.24	2.14	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCHa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*TCHa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCHa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	83.54	15.38	16.58	0.0
LAB*LABa	83.54	16.34	12.62	0.0
LAB*TCHa	87.5	20.65	37.69	0.0
relative CIELAB lab*				
lab*lab	0.847	0.198	0.153	0.0
lab*tch	0.875	0.25	0.105	0.0
lab*nch	0.0	0.25	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.847	0.238	0.075	0.0
lab*tce	0.875	0.25	0.048	0.0
lab*nce	0.0	0.25	0.191	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	64.19	15.38	15.28	0.0
LAB*LABa	64.19	16.35	12.63	0.0
LAB*TCHa	62.5	20.66	37.69	0.0
relative CIELAB lab*				
lab*lab	0.597	0.198	0.153	0.0
lab*tch	0.625	0.25	0.105	0.0
lab*nch	0.0	0.25	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.597	0.238	0.075	0.0
lab*tce	0.625	0.25	0.048	0.0
lab*nce	0.0	0.25	0.191	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.5	0.75	0.75	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	44.84	16.33	13.97	0.0
LAB*LABa	44.84	16.35	12.63	0.0
LAB*TCHa	37.5	20.66	37.69	0.0
relative CIELAB lab*				
lab*lab	0.347	0.198	0.153	0.0
lab*tch	0.375	0.25	0.105	0.0
lab*nch	0.0	0.25	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.347	0.238	0.075	0.0
lab*tce	0.375	0.25	0.048	0.0
lab*nce	0.0	0.25	0.191	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.5	16.7	12.66	0.0
LAB*LABa	25.5	16.34	12.62	0.0
LAB*TCHa	12.5	20.65	37.69	0.0
relative CIELAB lab*				
lab*lab	0.097	0.198	0.153	0.0
lab*tch	0.125	0.25	0.105	0.0
lab*nch	0.0	0.25	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.097	0.238	0.075	0.0
lab*tce	0.125	0.25	0.048	0.0
lab*nce	0.0	0.25	0.191	0.0

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.67	32.15	28.41	0.0
LAB*LABa	71.67	32.69	25.25	0.0
LAB*TCHa	75.0	41.31	37.69	0.0
relative CIELAB lab*				
lab*lab	0.693	0.396	0.306	0.0
lab*tch	0.75	0.5	0.105	0.0
lab*nch	0.0	0.5	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.693	0.477	0.15	0.0
lab*tce	0.75	0.5	0.048	0.0
lab*nce	0.0	0.5	0.191	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.25	0.25	(1.0)
cmyn3*	0.25	0.75	0.75	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	52.33	32.63	27.11	0.0
LAB*LABa	52.33	32.69	25.26	0.0
LAB*TCHa	50.0	41.31	37.69	0.0
relative CIELAB lab*				
lab*lab	0.443	0.396	0.306	0.0
lab*tch	0.5	0.5	0.105	0.0
lab*nch	0.0	0.5	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.443	0.477	0.15	0.0
lab*tce	0.5	0.5	0.048	0.0
lab*nce	0.0	0.5	0.191	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	32.98	32.9	25.8	0.0
LAB*LABa	32.98	32.69	25.25	0.0
LAB*TCHa	25.01	41.31	37.69	0.0
relative CIELAB lab*				
lab*lab	0.29	0.593	0.458	0.0
lab*tch	0.375	0.75	0.105	0.0
lab*nch	0.0	0.75	0.105	0.0
relative Natural Colour (NC)				
lab*trj	0.29	0.716	0.224	0.0
lab*tce	0.375	0.75	0.048	0.0
lab*nce	0.0	0.75	0.191	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCHa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	1.0	0.25	0.25	(1.0)
cmyn3*	0.0	0.75	0.75	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.75	0.75	(0.0

5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

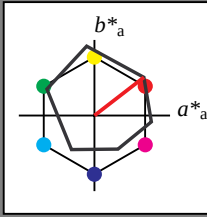
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.25)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.5)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.75)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	71.67	32.15	28.41
LAB*LABa	71.67	32.15	28.41
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.693	0.396	0.306
lab*tch	0.75	0.5	0.105
lab*nch	0.0	0.5	0.105

relative Natural Colour (NC)

lab*trj	0.54	0.477	0.15
lab*tce	0.5	0.2	0.048
lab*nce	0.0	0.5	0.191

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.25)

standard and adapted CIELAB

LAB*LAB	52.33	32.15	27.11
LAB*LABa	52.33	32.15	27.11
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.443	0.396	0.306
lab*tch	0.625	0.5	0.105
lab*nch	0.0	0.5	0.105

relative Natural Colour (NC)

lab*trj	0.443	0.477	0.15
lab*tce	0.5	0.2	0.048
lab*nce	0.0	0.5	0.191

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.5)

standard and adapted CIELAB

LAB*LAB	32.98	32.9	25.8
LAB*LABa	32.98	32.9	25.8
LAB*TCHa	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.193	0.396	0.306
lab*tch	0.25	0.5	0.105
lab*nch	0.0	0.5	0.105

relative Natural Colour (NC)

lab*trj	0.193	0.477	0.15
lab*tce	0.25	0.2	0.048
lab*nce	0.0	0.5	0.191

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.75)

standard and adapted CIELAB

LAB*LAB	25.5	16.7	12.66
LAB*LABa	25.5	16.34	12.62
LAB*TCHa	12.5	0.05	-

relative CIELAB lab*

lab*lab	0.097	0.396	0.306
lab*tch	0.125	0.5	0.105
lab*nch	0.0	0.5	0.105

relative Natural Colour (NC)

lab*trj	0.097	0.477	0.15
lab*tce	0.125	0.25	0.048
lab*nce	0.0	0.5	0.191

$n^* = 0,50$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

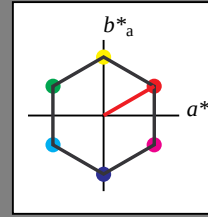
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.25)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.5)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.75)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

Technology (IT)

0.5	0.5	(1.0)
0.5	0.5	(0.0)
0.5	0.5	1.0
0.5	0.5	0.0

adapted CIELAB

0.06	33.51	19.35
0.06	33.51	19.35
0.0	38.69	30.0

lab*

0.75	0.433	0.25
0.75	0.5	0.083
0.0	0.5	0.083

Colour (NC)

0.75	0.497	0.05
0.75	0.5	0.017
0.0	0.5	0.0

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

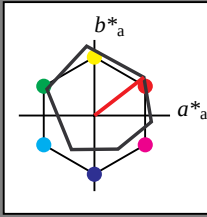
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.25)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.5)

standard and adapted CIELAB

LAB*LAB	56.71	0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.75)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.0	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	71.67	32.15	28.41
LAB*LABa	71.67	32.69	25.25
LAB*TCHa	75.0	0.1	37.69

relative CIELAB lab*

lab*lab	0.847	0.198	0.153
lab*tch	0.875	0.25	0.105
lab*nch	0.0	0.25	0.105

relative Natural Colour (NC)

lab*trj	0.847	0.238	0.075
lab*tce	0.875	0.25	0.048
lab*nce	0.0	0.25	0.191

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.25)

standard and adapted CIELAB

LAB*LAB	52.33	32.63	27.11
LAB*LABa	52.33	32.69	25.26
LAB*TCHa	50.0	0.1	37.69

relative CIELAB lab*

lab*lab	0.597	0.198	0.153
lab*tch	0.625	0.25	0.105
lab*nch	0.0	0.25	0.105

relative Natural Colour (NC)

lab*trj	0.597	0.238	0.075
lab*tce	0.625	0.25	0.048
lab*nce	0.0	0.25	0.191

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.5)

standard and adapted CIELAB

LAB*LAB	32.98	32.9	25.8
LAB*LABa	32.98	32.69	25.25
LAB*TCHa	25.01	0.1	37.69

relative CIELAB lab*

lab*lab	0.443	0.396	0.306
lab*tch	0.475	0.5	0.105
lab*nch	0.0	0.5	0.105

relative Natural Colour (NC)

lab*trj	0.443	0.477	0.15
lab*tce	0.475	0.5	0.048
lab*nce	0.0	0.5	0.191

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.5)

standard and adapted CIELAB

LAB*LAB	16.13	0.0	0.0
LAB*LABa	16.13	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,50$

0,75

$n^* = 0,00$

0,25

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

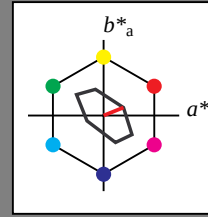
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.0	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.25)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*TCHa	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.5)

standard and adapted CIELAB

LAB*LAB	62.56	0.0	0.0
LAB*LABa	62.56	0.0	0.0
LAB*TCHa	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.75)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.0	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.25)

standard and adapted CIELAB

LAB*LAB	84.24	6.57	2.64
LAB*LABa	84.24	6.57	2.64
LAB*TCHa	75.0	0.01	21.92

relative CIELAB lab*

lab*lab	0.815	0.232	0.093
lab*tch	0.875	0.25	0.061
lab*nch	0.0	0.25	0.061

relative Natural Colour (NC)

lab*trj	0.815	0.232	0.061
lab*tce	0.875	0.25	0.061
lab*nce	0.0	0.25	0.061

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.5)

standard and adapted CIELAB

LAB*LAB	79.49	13.14	5.29
LAB*LABa	79.49	13.14	5.29
LAB*TCHa	50.0	0.01	21.92

relative CIELAB lab*

lab*lab	0.565	0.232	0.093
lab*tch	0.625	0.25	0.061
lab*nch	0.0	0.25	0.061

relative Natural Colour (NC)

lab*trj	0.565	0.232	0.061
lab*tce	0.625	0.25	0.061
lab*nce	0.0	0.25	0.061

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.5)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

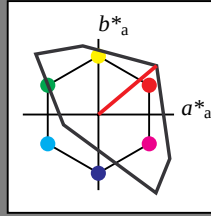
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 72.95 38.45 32.27
LAB*LABa 72.95 38.45 32.27
LAB*TCRa 75.0 50.2 40.0

relative CIELAB lab*
lab*lab 0.882 0.191 0.161
lab*tch 0.875 0.25 0.111
lab*nch 0.0 0.25 0.111
relative Natural Colour (NC)
lab*trj 0.882 0.25 0.084
lab*tce 0.875 0.25 0.054
lab*nce 0.0 0.25 0.21

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 60.33 19.23 16.14
LAB*LABa 60.33 19.23 16.14
LAB*TCRa 62.5 25.1 40.0

relative CIELAB lab*
lab*lab 0.632 0.192 0.161
lab*tch 0.625 0.25 0.111
lab*nch 0.0 0.25 0.111
relative Natural Colour (NC)
lab*trj 0.632 0.25 0.084
lab*tce 0.625 0.25 0.054
lab*nce 0.0 0.25 0.21

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 49.11 38.46 32.28
LAB*LABa 49.11 38.46 32.28
LAB*TCRa 50.0 50.2 40.0

relative CIELAB lab*
lab*lab 0.515 0.383 0.321
lab*tch 0.515 0.383 0.321
lab*nch 0.0 0.383 0.321
relative Natural Colour (NC)
lab*trj 0.515 0.383 0.167
lab*tce 0.515 0.383 0.054
lab*nce 0.0 0.383 0.21

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 25.26 38.45 32.27
LAB*LABa 25.26 38.45 32.27
LAB*TCRa 25.01 50.2 40.0

relative CIELAB lab*
lab*lab 0.265 0.383 0.321
lab*tch 0.265 0.383 0.321
lab*nch 0.0 0.383 0.321
relative Natural Colour (NC)
lab*trj 0.265 0.383 0.167
lab*tce 0.265 0.383 0.054
lab*nce 0.0 0.383 0.21

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

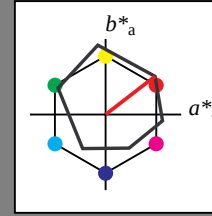
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.61 3.44
LAB*LABa 76.06 0.61 3.44
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.5 76.9 64.54
LAB*LABa 50.5 76.9 64.54
LAB*TCRa 50.0 100.4 40.0

relative CIELAB lab*
lab*lab 0.529 0.766 0.643
lab*tch 0.529 0.766 0.643
lab*nch 0.0 1.0 0.111
relative Natural Colour (NC)
lab*trj 0.529 0.766 0.335
lab*tce 0.529 0.766 0.054
lab*nce 0.0 1.0 0.21

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.13 0.83
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.5 -0.47
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 71.67 32.15 28.41
LAB*LABa 71.67 32.15 28.41
LAB*TCRa 75.0 41.31 37.69

relative CIELAB lab*
lab*lab 0.693 0.396 0.306
lab*tch 0.693 0.396 0.306
lab*nch 0.0 0.396 0.306
relative Natural Colour (NC)
lab*trj 0.693 0.396 0.15
lab*tce 0.693 0.396 0.048
lab*nce 0.0 0.396 0.19

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 52.33 25.33 27.11
LAB*LABa 52.33 25.33 27.11
LAB*TCRa 50.0 41.31 37.69

relative CIELAB lab*
lab*lab 0.443 0.396 0.306
lab*tch 0.443 0.396 0.306
lab*nch 0.0 0.396 0.306
relative Natural Colour (NC)
lab*trj 0.443 0.396 0.15
lab*tce 0.443 0.396 0.048
lab*nce 0.0 0.396 0.19

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 44.84 16.33 13.97
LAB*LABa 44.84 16.33 13.97
LAB*TCRa 37.5 20.66 37.69

relative CIELAB lab*
lab*lab 0.347 0.198 0.153
lab*tch 0.347 0.198 0.153
lab*nch 0.0 0.198 0.153
relative Natural Colour (NC)
lab*trj 0.347 0.198 0.075
lab*tce 0.347 0.198 0.048
lab*nce 0.0 0.198 0.19

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 25.5 16.7 12.66
LAB*LABa 25.5 16.7 12.66
LAB*TCRa 12.5 20.65 37.69

relative CIELAB lab*
lab*lab 0.193 0.396 0.306
lab*tch 0.193 0.396 0.306
lab*nch 0.0 0.396 0.306
relative Natural Colour (NC)
lab*trj 0.193 0.396 0.15
lab*tce 0.193 0.396 0.048
lab*nce 0.0 0.396 0.19

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 40/360 = 0.111 (left)

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

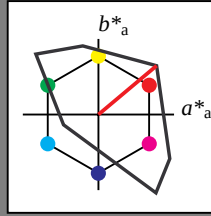
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	84.18	19.22	16.13
LAB*LABa	84.18	19.22	16.13
LAB*TCRa	87.5	25.09	40.0

relative CIELAB lab*

lab*lab	0.882	0.191	0.161
lab*tch	0.875	0.25	0.111
lab*nch	0.0	0.25	0.111

relative Natural Colour (NC)

lab*trj	0.882	0.25	0.084
lab*tce	0.875	0.25	0.054
lab*nce	0.0	0.25	0.21

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	60.33	19.23	16.14
LAB*LABa	60.33	19.23	16.14
LAB*TCRa	62.5	25.1	40.0

relative CIELAB lab*

lab*lab	0.632	0.192	0.161
lab*tch	0.625	0.25	0.111
lab*nch	0.0	0.25	0.111

relative Natural Colour (NC)

lab*trj	0.632	0.25	0.084
lab*tce	0.625	0.25	0.054
lab*nce	0.25	0.25	0.21

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.5	0.75	0.75	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	36.48	19.23	16.14
LAB*LABa	36.48	19.23	16.14
LAB*TCRa	37.5	25.1	40.0

relative CIELAB lab*

lab*lab	0.382	0.192	0.161
lab*tch	0.375	0.25	0.111
lab*nch	0.0	0.25	0.111

relative Natural Colour (NC)

lab*trj	0.382	0.25	0.084
lab*tce	0.375	0.25	0.054
lab*nce	0.25	0.25	0.21

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	25.26	38.45	32.27
LAB*LABa	25.26	38.45	32.27
LAB*TCRa	25.01	50.2	40.0

relative CIELAB lab*

lab*lab	0.265	0.383	0.321
lab*tch	0.25	0.5	0.111
lab*nch	0.0	0.5	0.111

relative Natural Colour (NC)

lab*trj	0.265	0.471	0.167
lab*tce	0.25	0.5	0.054
lab*nce	0.25	0.5	0.21

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	72.95	38.45	32.27
LAB*LABa	72.95	38.45	32.27
LAB*TCRa	75.0	50.2	40.0

relative CIELAB lab*

lab*lab	0.765	0.383	0.321
lab*tch	0.75	0.5	0.111
lab*nch	0.0	0.5	0.111

relative Natural Colour (NC)

lab*trj	0.765	0.471	0.167
lab*tce	0.75	0.5	0.054
lab*nce	0.0	0.5	0.21

relative Inform. Technology (IT)

olvi3*	1.0	0.25	0.25	(1.0)
cmyn3*	0.0	0.75	0.75	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	61.72	57.68	48.41
LAB*LABa	61.72	57.68	48.41
LAB*TCRa	62.5	75.3	40.0

relative CIELAB lab*

lab*lab	0.647	0.574	0.482
lab*tch	0.625	0.75	0.111
lab*nch	0.0	0.75	0.111

relative Natural Colour (NC)

lab*trj	0.647	0.707	0.251
lab*tce	0.625	0.75	0.054
lab*nce	0.0	0.75	0.21

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.0	(1.0)
cmyn3*	0.25	1.0	1.0	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	50.5	76.9	64.54
LAB*LABa	50.5	76.9	64.54
LAB*TCRa	50.0	100.4	40.0

relative CIELAB lab*

lab*lab	0.529	0.766	0.643
lab*tch	0.5	1.0	0.111
lab*nch	0.0	1.0	0.111

relative Natural Colour (NC)

lab*trj	0.529	0.942	0.335
lab*tce	0.5	1.0	0.054
lab*nce	0.0	1.0	0.21

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	39.97	57.68	48.41
LAB*LABa	39.97	57.68	48.41
LAB*TCRa	37.51	75.3	40.0

relative CIELAB lab*

lab*lab	0.397	0.574	0.482
lab*tch	0.375	0.75	0.111
lab*nch	0.0	0.75	0.111

relative Natural Colour (NC)

lab*trj	0.397	0.707	0.251
lab*tce	0.375	0.75	0.054
lab*nce	0.25	0.75	0.21

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	25.01	50.2	40.0
LAB*LABa	25.01	50.2	40.0
LAB*TCRa	25.01	50.2	40.0

relative CIELAB lab*

lab*lab	0.265	0.383	0.321
lab*tch	0.25	0.5	0.111
lab*nch	0.0	0.5	0.111

relative Natural Colour (NC)

lab*trj	0.265	0.471	0.167
lab*tce	0.25	0.5	0.054
lab*nce	0.25	0.5	0.21

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

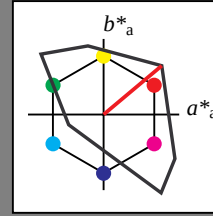
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0
---------	-------	-----

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

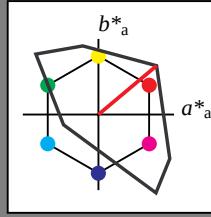
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 37/360 = 0.103$

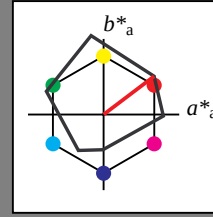
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.11 2.58
LAB*LABa 96.31 0.11 2.58
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 0.44 2.45
LAB*LABa 76.38 0.44 2.45
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.5 0.76 3.32
LAB*LABa 50.5 0.76 3.32
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.0 1.09 2.19
LAB*LABa 25.0 1.09 2.19
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 0.0 0.0
LAB*LABa 16.57 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.26 32.84 27.71
LAB*LABa 69.26 32.84 27.71
LAB*TCRa 41.9 37.14

relative CIELAB lab*
lab*lab 0.661 0.399 0.302
lab*tch 0.75 0.5 0.103
lab*nch 0.0 0.5 0.103
relative Natural Colour (NC)
lab*trj 0.661 0.475 0.155
lab*tce 0.75 0.5 0.103
lab*nce 0.0 0.5 0.103

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 49.32 32.53 27.58
LAB*LABa 49.32 32.53 27.58
LAB*TCRa 50.0 41.9 37.14

relative CIELAB lab*
lab*lab 0.491 0.598 0.453
lab*tch 0.625 0.75 0.103
lab*nch 0.0 0.75 0.103
relative Natural Colour (NC)
lab*trj 0.491 0.713 0.233
lab*tce 0.625 0.75 0.103
lab*nce 0.0 0.75 0.103

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 0.25 0.25 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 29.39 32.19 27.45
LAB*LABa 29.39 32.19 27.45
LAB*TCRa 25.01 41.9 37.14

relative CIELAB lab*
lab*lab 0.411 0.399 0.302
lab*tch 0.5 0.5 0.103
lab*nch 0.25 0.5 0.103
relative Natural Colour (NC)
lab*trj 0.411 0.475 0.155
lab*tce 0.5 0.5 0.103
lab*nce 0.25 0.5 0.103

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.25 0.25 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 0.0 0.0
LAB*LABa 16.57 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.08 0.199 0.151
lab*tch 0.125 0.25 0.103
lab*nch 0.75 0.25 0.103
relative Natural Colour (NC)
lab*trj 0.08 0.258 0.078
lab*tce 0.125 0.25 0.103
lab*nce 0.75 0.25 0.103

$n^* = 0,50$

0,25

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 40/360 = 0.111 (left)

5 step scales for constant CIELAB hue 37/360 = 0.103 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

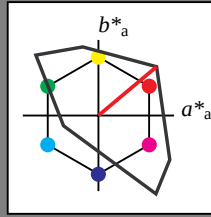
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

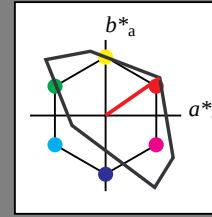
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 1.0 0.0 0.0

lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 47.72 0.0 0.0

LAB*LABa 47.72 0.0 0.0

LAB*LABb 47.72 0.0 0.0

LAB*LABc 47.72 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

LAB*LABc 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

LAB*LABc 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

LAB*LABc 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

LAB*LABc 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

LAB*LABc 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

LAB*LABc 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

LAB*LABc 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

LAB*LABc 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

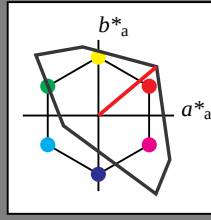
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*TCh 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 71.57 0.0 0.0
 LAB^*TCh 75.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.75 0.75 (1.0)
 lab^*tch 0.75 0.75 0.75 (1.0)
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.75 0.75 0.75 (1.0)
 lab^*tce 0.25 0.25 0.25 (0.0)
 lab^*nce 0.25 0.25 0.25 (0.0)

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 47.72 0.0 0.0
 LAB^*TCh 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.5 0.5 (1.0)
 lab^*tch 0.5 0.5 0.5 (1.0)
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.5 0.5 0.5 (1.0)
 lab^*tce 0.5 0.5 0.5 (1.0)
 lab^*nce 0.5 0.5 0.5 (1.0)

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 23.87 0.0 0.0
 LAB^*TCh 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.25 0.25 (1.0)
 lab^*tch 0.25 0.25 0.25 (1.0)
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.25 0.25 0.25 (1.0)
 lab^*tce 0.25 0.25 0.25 (1.0)
 lab^*nce 0.25 0.25 0.25 (1.0)

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.03 0.0 0.0
 LAB^*TCh 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.5 0.5 (1.0)
 $cmyn3^*$ 0.0 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 0.5 0.5 (1.0)
 $cmyn4^*$ 0.0 0.5 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 72.95 38.45 32.27
 LAB^*TCh 75.0 50.2 40.0

relative CIELAB lab*
 lab^*lab 0.882 0.191 0.161
 lab^*tch 0.875 0.25 0.111
 lab^*nch 0.0 0.5 0.111
 relative Natural Colour (NC)
 lab^*trj 0.882 0.25 0.111
 lab^*tce 0.875 0.25 0.111
 lab^*nce 0.875 0.25 0.111

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.5 0.5 (1.0)
 $cmyn3^*$ 0.25 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 0.5 0.5 (1.0)
 $cmyn4^*$ 0.0 0.5 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 60.33 19.23 16.14
 LAB^*TCh 62.5 25.1 40.0

relative CIELAB lab*
 lab^*lab 0.632 0.192 0.161
 lab^*tch 0.625 0.25 0.111
 lab^*nch 0.0 0.5 0.111
 relative Natural Colour (NC)
 lab^*trj 0.632 0.25 0.111
 lab^*tce 0.625 0.25 0.111
 lab^*nce 0.625 0.25 0.111

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.5 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 49.11 38.46 32.28
 LAB^*TCh 50.0 50.21 40.0

relative CIELAB lab*
 lab^*lab 0.515 0.383 0.321
 lab^*tch 0.515 0.383 0.321
 lab^*nch 0.0 0.5 0.111
 relative Natural Colour (NC)
 lab^*trj 0.515 0.383 0.321
 lab^*tce 0.515 0.383 0.321
 lab^*nce 0.515 0.383 0.321

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.0 0.0 (1.0)
 $cmyn3^*$ 0.75 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 0.5 0.5 (1.0)
 $cmyn4^*$ 0.0 0.5 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 25.26 38.45 32.27
 LAB^*TCh 25.01 50.2 40.0

relative CIELAB lab*
 lab^*lab 0.265 0.383 0.321
 lab^*tch 0.265 0.383 0.321
 lab^*nch 0.0 0.5 0.111
 relative Natural Colour (NC)
 lab^*trj 0.265 0.383 0.321
 lab^*tce 0.265 0.383 0.321
 lab^*nce 0.265 0.383 0.321

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 30/360 = 0.083$

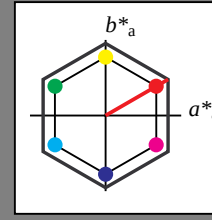
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*TCh 99.99 0.02 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 71.57 0.0 0.0
 LAB^*TCh 75.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.75 0.75 0.75 (1.0)
 lab^*tch 0.75 0.75 0.75 (1.0)
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.75 0.75 0.75 (1.0)
 lab^*tce 0.25 0.25 0.25 (0.0)
 lab^*nce 0.25 0.25 0.25 (0.0)

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 47.72 0.0 0.0
 LAB^*TCh 50.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.5 0.5 0.5 (1.0)
 lab^*tch 0.5 0.5 0.5 (1.0)
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.5 0.5 0.5 (1.0)
 lab^*tce 0.5 0.5 0.5 (1.0)
 lab^*nce 0.5 0.5 0.5 (1.0)

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 23.87 0.0 0.0
 LAB^*TCh 25.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.25 0.25 0.25 (1.0)
 lab^*tch 0.25 0.25 0.25 (1.0)
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.25 0.25 0.25 (1.0)
 lab^*tce 0.25 0.25 0.25 (1.0)
 lab^*nce 0.25 0.25 0.25 (1.0)

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.03 0.0 0.0
 LAB^*TCh 0.01 0.02 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.5 0.5 (1.0)
 $cmyn3^*$ 0.0 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 0.5 0.5 (1.0)
 $cmyn4^*$ 0.0 0.5 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 63.61 41.3 23.85
 LAB^*TCh 75.0 47.69 30.0

relative CIELAB lab*
 lab^*lab 0.667 0.433 0.25
 lab^*tch 0.667 0.433 0.25
 lab^*nch 0.0 0.5 0.083
 relative Natural Colour (NC)
 lab^*trj 0.667 0.433 0.25
 lab^*tce 0.667 0.433 0.25
 lab^*nce 0.667 0.433 0.25

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.5 0.5 (1.0)
 $cmyn3^*$ 0.25 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 0.5 0.5 (1.0)
 $cmyn4^*$ 0.0 0.5 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 55.66 20.66 11.93
 LAB^*TCh 62.5 23.85 30.0

relative CIELAB lab*
 lab^*lab 0.583 0.217 0.125
 lab^*tch 0.583 0.217 0.125
 lab^*nch 0.0 0.5 0.083
 relative Natural Colour (NC)
 lab^*trj 0.583 0.217 0.125
 lab^*tce 0.583 0.217 0.125
 lab^*nce 0.583 0.217 0.125

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.5 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 39.76 41.31 23.85
 LAB^*TCh 50.0 47.7 30.0

relative CIELAB lab*
 lab^*lab 0.417 0.433 0.25
 lab^*tch 0.417 0.433 0.25
 lab^*nch 0.0 0.5 0.083
 relative Natural Colour (NC)
 lab^*trj 0.417 0.433 0.25
 lab^*tce 0.417 0.433 0.25
 lab^*nce 0.417 0.433 0.25

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.0 0.0 (1.0)
 $cmyn3^*$ 0.75 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 0.5 0.5 (1.0)
 $cmyn4^*$ 0.0 0.5 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 15.92 41.3 23.85
 LAB^*TCh 25.01 47.69 30.0

relative CIELAB lab*
 lab^*lab 0.265 0.383 0.321
 lab^*tch 0.265 0.383 0.321
 lab^*nch 0.0 0.5 0.111
 relative Natural Colour (NC)
 lab^*trj 0.265 0.383 0.321
 lab^*tce 0.265 0.383 0.321
 lab^*nce 0.265 0.383 0.321

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 40/360 = 0.111 (left)

5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

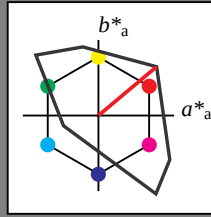
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0.75

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 72.95 38.45 32.27
LAB*LABa 72.95 38.45 32.27
LAB*TCRa 75.0 50.2 40.0

relative CIELAB lab*
lab*lab 0.882 0.191 0.161
lab*tch 0.875 0.25 0.111
lab*nch 0.0 0.25 0.111
relative Natural Colour (NC)
lab*trj 0.882 0.25 0.084
lab*tce 0.875 0.25 0.054
lab*nce 0.0 0.25 0.21

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 60.33 19.23 16.14
LAB*LABa 60.33 19.23 16.14
LAB*TCRa 62.5 25.1 40.0

relative CIELAB lab*
lab*lab 0.632 0.192 0.161
lab*tch 0.625 0.25 0.111
lab*nch 0.0 0.25 0.111
relative Natural Colour (NC)
lab*trj 0.632 0.25 0.084
lab*tce 0.625 0.25 0.054
lab*nce 0.0 0.25 0.21

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 49.11 38.46 32.28
LAB*LABa 49.11 38.46 32.28
LAB*TCRa 50.0 50.2 40.0

relative CIELAB lab*
lab*lab 0.515 0.383 0.321
lab*tch 0.515 0.383 0.321
lab*nch 0.0 0.383 0.321
relative Natural Colour (NC)
lab*trj 0.515 0.383 0.321
lab*tce 0.515 0.383 0.321
lab*nce 0.0 0.383 0.321

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.26 38.45 32.27
LAB*LABa 25.26 38.45 32.27
LAB*TCRa 25.0 50.2 40.0

relative CIELAB lab*
lab*lab 0.265 0.383 0.321
lab*tch 0.265 0.383 0.321
lab*nch 0.0 0.383 0.321
relative Natural Colour (NC)
lab*trj 0.265 0.383 0.321
lab*tce 0.265 0.383 0.321
lab*nce 0.0 0.383 0.321

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 12.64 19.23 16.13
LAB*LABa 12.64 19.23 16.13
LAB*TCRa 12.5 25.09 40.0

relative CIELAB lab*
lab*lab 0.132 0.191 0.161
lab*tch 0.132 0.191 0.161
lab*nch 0.0 0.191 0.161
relative Natural Colour (NC)
lab*trj 0.132 0.191 0.161
lab*tce 0.132 0.191 0.161
lab*nce 0.0 0.191 0.161

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

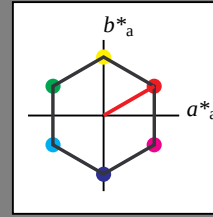
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.11 38.46 32.28
LAB*LABa 49.11 38.46 32.28
LAB*TCRa 50.0 50.2 40.0

relative CIELAB lab*
lab*lab 0.515 0.383 0.321
lab*tch 0.515 0.383 0.321
lab*nch 0.0 0.383 0.321
relative Natural Colour (NC)
lab*trj 0.515 0.383 0.321
lab*tce 0.515 0.383 0.321
lab*nce 0.0 0.383 0.321

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 69.61 33.51 19.35
LAB*LABa 69.61 33.51 19.35
LAB*TCRa 75.0 38.69 30.0

relative CIELAB lab*
lab*lab 0.667 0.433 0.25
lab*tch 0.667 0.433 0.25
lab*nch 0.0 0.433 0.25
relative Natural Colour (NC)
lab*trj 0.667 0.433 0.25
lab*tce 0.667 0.433 0.25
lab*nce 0.0 0.433 0.25

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 50.26 33.52 19.35
LAB*LABa 50.26 33.52 19.35
LAB*TCRa 50.0 38.7 30.0

relative CIELAB lab*
lab*lab 0.583 0.217 0.125
lab*tch 0.583 0.217 0.125
lab*nch 0.0 0.217 0.125
relative Natural Colour (NC)
lab*trj 0.583 0.217 0.125
lab*tce 0.583 0.217 0.125
lab*nce 0.0 0.217 0.125

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.417 0.433 0.25
lab*tch 0.417 0.433 0.25
lab*nch 0.0 0.433 0.25
relative Natural Colour (NC)
lab*trj 0.417 0.433 0.25
lab*tce 0.417 0.433 0.25
lab*nce 0.0 0.433 0.25

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 12.64 19.23 16.13
LAB*LABa 12.64 19.23 16.13
LAB*TCRa 12.5 25.09 40.0

relative CIELAB lab*
lab*lab 0.167 0.433 0.25
lab*tch 0.167 0.433 0.25
lab*nch 0.0 0.433 0.25
relative Natural Colour (NC)
lab*trj 0.167 0.433 0.25
lab*tce 0.167 0.433 0.25
lab*nce 0.0 0.433 0.25

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

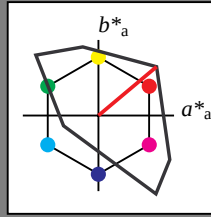
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

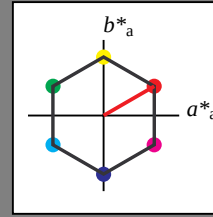
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.11 0.0 0.0
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.01 0.0 0.0
LAB*LABa 25.01 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.0 0.0
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.11 0.0 0.0
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.01 0.0 0.0
LAB*LABa 25.01 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 40/360 = 0.111 (left)

5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

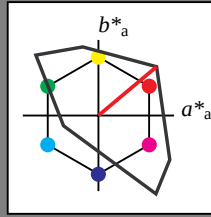
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

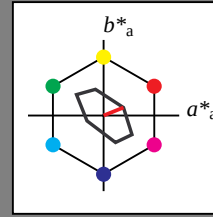
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.5 0.0 0.0
LAB*LABa 50.5 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.0 0.0 0.0
LAB*LABa 25.0 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 85.92 0.0 0.0
LAB*LABa 85.92 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 79.49 0.0 0.0
LAB*LABa 79.49 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.0 0.0 0.0
LAB*LABa 50.0 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 40/360 = 0.111 (left)

5 step scales for constant CIELAB hue 22/360 = 0.061 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 37/360 = 0.103$

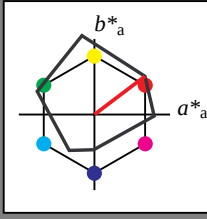
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	96.31	0.0	0.0	2.58
LAB*LABa	96.31	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	15.15
LAB*LABa	76.38	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.25	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	15.15
LAB*LABa	56.44	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.5	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	36.5	-1.09	2.19	15.15
LAB*LABa	36.5	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.75	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	-	-
lab*nce	0.75	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	15.15
LAB*LABa	16.57	0.0	0.0	0.0
LAB*TCRa	0.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.78	16.36	15.15	15.15
LAB*LABa	82.78	16.7	12.65	15.15
LAB*TCRa	87.5	20.95	37.14	15.15
relative CIELAB lab*				
lab*lab	0.83	0.199	0.151	0.151
lab*tch	0.875	0.25	0.103	0.103
lab*nch	0.0	0.25	0.103	0.103
relative Natural Colour (NC)				
lab*trj	0.83	0.238	0.078	0.078
lab*tce	0.875	0.25	0.05	0.05
lab*nce	0.0	0.25	0.20	0.20

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	62.85	16.04	15.02	15.15
LAB*LABa	62.85	16.71	12.65	15.15
LAB*TCRa	62.5	20.96	37.14	15.15
relative CIELAB lab*				
lab*lab	0.58	0.199	0.151	0.151
lab*tch	0.625	0.25	0.103	0.103
lab*nch	0.0	0.25	0.103	0.103
relative Natural Colour (NC)				
lab*trj	0.58	0.238	0.078	0.078
lab*tce	0.625	0.25	0.05	0.05
lab*nce	0.25	0.25	0.20	0.20

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.5	0.75	0.75	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	42.91	15.71	14.89	15.15
LAB*LABa	42.91	16.71	12.65	15.15
LAB*TCRa	37.5	20.96	37.14	15.15
relative CIELAB lab*				
lab*lab	0.33	0.199	0.151	0.151
lab*tch	0.375	0.25	0.103	0.103
lab*nch	0.5	0.25	0.103	0.103
relative Natural Colour (NC)				
lab*trj	0.33	0.238	0.078	0.078
lab*tce	0.375	0.25	0.05	0.05
lab*nce	0.5	0.25	0.20	0.20

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	22.98	15.38	14.76	15.15
LAB*LABa	22.98	16.7	12.65	15.15
LAB*TCRa	12.5	20.95	37.14	15.15
relative CIELAB lab*				
lab*lab	0.08	0.199	0.151	0.151
lab*tch	0.125	0.25	0.103	0.103
lab*nch	0.75	0.25	0.103	0.103
relative Natural Colour (NC)				
lab*trj	0.08	0.238	0.078	0.078
lab*tce	0.125	0.25	0.05	0.05
lab*nce	0.75	0.25	0.20	0.20

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.26	32.84	27.71	15.15
LAB*LABa	69.26	33.4	25.3	15.15
LAB*TCRa	75.0	41.9	37.14	15.15
relative CIELAB lab*				
lab*lab	0.661	0.399	0.302	0.302
lab*tch	0.75	0.5	0.103	0.103
lab*nch	0.0	0.5	0.103	0.103
relative Natural Colour (NC)				
lab*trj	0.491	0.475	0.155	0.155
lab*tce	0.75	0.5	0.05	0.05
lab*nce	0.0	0.5	0.20	0.20

relative Inform. Technology (IT)				
olvi3*	0.75	0.25	0.25	(1.0)
cmyn3*	0.25	0.75	0.75	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	49.32	33.41	25.3	15.15
LAB*LABa	49.32	33.41	25.3	15.15
LAB*TCRa	50.0	41.9	37.14	15.15
relative CIELAB lab*				
lab*lab	0.411	0.399	0.302	0.302
lab*tch	0.5	0.5	0.103	0.103
lab*nch	0.0	0.5	0.103	0.103
relative Natural Colour (NC)				
lab*trj	0.411	0.475	0.155	0.155
lab*tce	0.5	0.5	0.05	0.05
lab*nce	0.25	0.5	0.20	0.20

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	29.39	32.19	27.45	15.15
LAB*LABa	29.39	33.4	25.3	15.15
LAB*TCRa	25.0	41.9	37.14	15.15
relative CIELAB lab*				
lab*lab	0.241	0.399	0.302	0.302
lab*tch	0.375	0.5	0.103	0.103
lab*nch	0.5	0.5	0.103	0.103
relative Natural Colour (NC)				
lab*trj	0.241	0.475	0.155	0.155
lab*tce	0.375	0.5	0.05	0.05
lab*nce	0.5	0.5	0.20	0.20

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	15.38	14.76	15.15
LAB*LABa	16.57	16.7	12.65	15.15
LAB*TCRa	12.5	20.95	37.14	15.15
relative CIELAB lab*				
lab*lab	0.08	0.199	0.151	0.151
lab*tch	0.125	0.25	0.103	0.103
lab*nch	0.75	0.25	0.103	0.103
relative Natural Colour (NC)				
lab*trj	0.08	0.238	0.078	0.078
lab*tce	0.125	0.25	0.05	0.05
lab*nce	0.75	0.25	0.20	0.20

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

blackness n^*

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

5 step scales for constant CIELAB hue 40/360 = 0.111 (right)

Input: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 37/360 = 0.103$

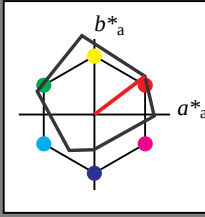
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	96.31	0.0	0.0	2.58
LAB*LABa	96.31	0.0	0.0	2.58
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	15.15
LAB*LABa	76.38	-0.44	2.45	15.15
LAB*LABb	75.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	15.15
LAB*LABa	56.44	-0.76	2.32	15.15
LAB*LABb	50.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	36.5	-1.09	2.19	15.15
LAB*LABa	36.5	-1.09	2.19	15.15
LAB*LABb	25.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	-	-
lab*nce	0.75	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	15.15
LAB*LABa	16.57	-1.41	2.06	15.15
LAB*LABb	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.78	16.36	15.15	15.15
LAB*LABa	82.78	16.36	15.15	15.15
LAB*LABb	87.5	20.95	37.14	37.14
relative CIELAB lab*				
lab*lab	0.83	0.199	0.151	0.151
lab*tch	0.875	0.25	0.103	0.103
lab*nch	0.0	0.25	0.103	0.103
relative Natural Colour (NC)				
lab*trj	0.83	0.238	0.078	0.078
lab*tce	0.875	0.25	0.05	0.05
lab*nce	0.0	0.25	0.20	0.20

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	62.85	16.04	15.02	15.02
LAB*LABa	62.85	16.04	15.02	15.02
LAB*LABb	62.85	16.71	12.65	12.65
LAB*LABc	62.85	20.96	37.14	37.14
relative CIELAB lab*				
lab*lab	0.58	0.199	0.151	0.151
lab*tch	0.625	0.25	0.103	0.103
lab*nch	0.0	0.25	0.103	0.103
relative Natural Colour (NC)				
lab*trj	0.58	0.238	0.078	0.078
lab*tce	0.625	0.25	0.05	0.05
lab*nce	0.25	0.25	0.20	0.20

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.5	0.75	0.75	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	49.32	33.41	25.3	25.3
LAB*LABa	49.32	33.41	25.3	25.3
LAB*LABb	50.01	41.91	37.14	37.14
relative CIELAB lab*				
lab*lab	0.411	0.399	0.302	0.302
lab*tch	0.411	0.399	0.103	0.103
lab*nch	0.0	0.399	0.103	0.103
relative Natural Colour (NC)				
lab*trj	0.411	0.475	0.155	0.155
lab*tce	0.5	0.25	0.05	0.05
lab*nce	0.25	0.25	0.20	0.20

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	29.39	32.19	27.45	27.45
LAB*LABa	29.39	32.19	27.45	27.45
LAB*LABb	29.39	33.4	25.3	25.3
LAB*LABc	29.39	41.91	37.14	37.14
relative CIELAB lab*				
lab*lab	0.161	0.399	0.302	0.302
lab*tch	0.161	0.399	0.103	0.103
lab*nch	0.0	0.399	0.103	0.103
relative Natural Colour (NC)				
lab*trj	0.161	0.475	0.155	0.155
lab*tce	0.25	0.25	0.05	0.05
lab*nce	0.25	0.25	0.20	0.20

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.0	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0
LAB*LABc	0.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.26	33.84	27.71	27.71
LAB*LABa	69.26	33.84	25.3	25.3
LAB*LABb	75.01	41.9	37.14	37.14
relative CIELAB lab*				
lab*lab	0.661	0.399	0.302	0.302
lab*tch	0.75	0.5	0.103	0.103
lab*nch	0.0	0.5	0.103	0.103
relative Natural Colour (NC)				
lab*trj	0.661	0.475	0.155	0.155
lab*tce	0.75	0.5	0.05	0.05
lab*nce	0.0	0.5	0.20	0.20

Technology (IT)			
25	0.25	(1.0)	
75	0.75	(0.0)	
5	0.5	0.75	
5	0.5	0.25	
adapted CIELAB			
2	32.53	27.58	
2	33.41	25.3	
	41.91	37.14	
lab*			
1	0.399	0.302	
	0.5	0.103	
	0.5	0.103	
Colour (NC)			
1	0.475	0.155	
	0.5	0.05	
	0.5	0.05	

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 37/360 = 0.103$

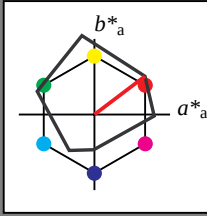
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.0 0.0
LAB*LABa 96.31 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 0.44 2.45
LAB*LABa 76.38 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.83 0.199 0.151
lab*tch 0.875 0.25 0.103
lab*nch 0.0 0.25 0.103
cmyn4* 0.0 0.25 0.25 0.0
standard and adapted CIELAB
LAB*LAB 62.85 16.36 15.15
LAB*LABa 62.85 16.36 15.15
LAB*TCHa 87.5 20.95 37.14

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 0.76 2.32
LAB*LABa 56.44 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 -1.09 2.19
LAB*LABa 36.5 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

0,75

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 30/360 = 0.083$

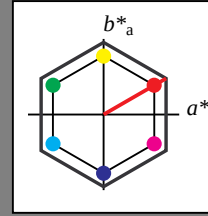
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.52 0.0 0.0
LAB*LABa 71.52 0.0 0.0
LAB*TCHa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.61 41.3 23.85
LAB*LABa 63.61 41.3 23.85
LAB*TCHa 75.0 47.69 30.0

relative CIELAB lab*
lab*lab 0.667 0.433 0.25
lab*tch 0.75 0.5 0.083
lab*nch 0.0 0.5 0.083
cmyn4* 0.0 0.5 0.5 0.0
standard and adapted CIELAB
LAB*LAB 47.71 61.96 35.77
LAB*LABa 47.71 61.96 35.77
LAB*TCHa 62.5 71.54 30.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 39.76 41.31 23.85
LAB*LABa 39.76 41.31 23.85
LAB*TCHa 50.0 47.7 30.0

relative CIELAB lab*
lab*lab 0.5 0.499 0.375
lab*tch 0.625 0.75 0.083
lab*nch 0.0 0.75 0.083
cmyn4* 0.0 0.75 0.75 0.0
standard and adapted CIELAB
LAB*LAB 31.81 82.6 47.69
LAB*LABa 31.81 82.6 47.69
LAB*TCHa 50.0 95.38 30.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 15.92 41.3 23.85
LAB*LABa 15.92 41.3 23.85
LAB*TCHa 25.01 47.69 30.0

relative CIELAB lab*
lab*lab 0.25 0.649 0.375
lab*tch 0.375 0.75 0.083
lab*nch 0.25 0.75 0.083
cmyn4* 0.0 0.75 0.75 0.0
standard and adapted CIELAB
LAB*LAB 15.92 41.3 23.85
LAB*LABa 15.92 41.3 23.85
LAB*TCHa 25.01 47.69 30.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0,50$

0,75

blackness n^*

chromaticness c^*

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 37/360 = 0.103$

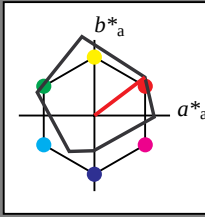
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	96.31	0.0	0.0	0.0
LAB*LABa	96.31	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	0.0
LAB*LABa	76.38	0.0	0.0	0.0
LAB*TCHa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	0.0
LAB*LABa	56.44	0.0	0.0	0.0
LAB*TCHa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	36.5	-1.09	2.19	0.0
LAB*LABa	36.5	0.0	0.0	0.0
LAB*TCHa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	0.0
LAB*LABa	16.57	0.0	0.0	0.0
LAB*TCHa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.78	16.36	15.15	0.0
LAB*LABa	82.78	16.7	12.65	0.0
LAB*TCHa	87.5	20.95	37.14	0.0
relative CIELAB lab*				
lab*lab	0.83	0.199	0.151	0.0
lab*tch	0.875	0.25	0.103	0.0
lab*nch	0.0	0.25	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.83	0.238	0.078	0.0
lab*tce	0.875	0.25	0.05	0.0
lab*nce	0.0	0.25	0.05	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	62.85	16.04	15.02	0.0
LAB*LABa	62.85	16.71	12.65	0.0
LAB*TCHa	62.5	20.96	37.14	0.0
relative CIELAB lab*				
lab*lab	0.58	0.199	0.151	0.0
lab*tch	0.625	0.25	0.103	0.0
lab*nch	0.0	0.25	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.58	0.238	0.078	0.0
lab*tce	0.625	0.25	0.05	0.0
lab*nce	0.0	0.25	0.05	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.5	0.75	0.75	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	42.91	15.71	14.89	0.0
LAB*LABa	42.91	16.71	12.65	0.0
LAB*TCHa	37.5	20.96	37.14	0.0
relative CIELAB lab*				
lab*lab	0.33	0.199	0.151	0.0
lab*tch	0.375	0.25	0.103	0.0
lab*nch	0.0	0.25	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.33	0.238	0.078	0.0
lab*tce	0.375	0.25	0.05	0.0
lab*nce	0.0	0.25	0.05	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	22.98	15.38	14.76	0.0
LAB*LABa	22.98	16.7	12.65	0.0
LAB*TCHa	12.5	20.95	37.14	0.0
relative CIELAB lab*				
lab*lab	0.08	0.199	0.151	0.0
lab*tch	0.125	0.25	0.103	0.0
lab*nch	0.0	0.25	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.08	0.238	0.078	0.0
lab*tce	0.125	0.25	0.05	0.0
lab*nce	0.0	0.25	0.05	0.0

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.26	32.84	27.71	0.0
LAB*LABa	69.26	33.4	25.3	0.0
LAB*TCHa	75.0	41.9	37.14	0.0
relative CIELAB lab*				
lab*lab	0.661	0.399	0.302	0.0
lab*tch	0.75	0.5	0.103	0.0
lab*nch	0.0	0.5	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.661	0.475	0.155	0.0
lab*tce	0.75	0.5	0.05	0.0
lab*nce	0.0	0.5	0.05	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.25	0.25	(1.0)
cmyn3*	0.25	0.75	0.75	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	49.32	33.41	25.3	0.0
LAB*LABa	49.32	33.41	25.3	0.0
LAB*TCHa	50.0	41.9	37.14	0.0
relative CIELAB lab*				
lab*lab	0.411	0.399	0.302	0.0
lab*tch	0.5	0.5	0.103	0.0
lab*nch	0.0	0.5	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.411	0.475	0.155	0.0
lab*tce	0.5	0.5	0.05	0.0
lab*nce	0.0	0.5	0.05	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	29.39	32.19	27.45	0.0
LAB*LABa	29.39	33.4	25.3	0.0
LAB*TCHa	25.01	41.9	37.14	0.0
relative CIELAB lab*				
lab*lab	0.161	0.399	0.302	0.0
lab*tch	0.25	0.5	0.103	0.0
lab*nch	0.0	0.5	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.161	0.475	0.155	0.0
lab*tce	0.25	0.5	0.05	0.0
lab*nce	0.0	0.5	0.05	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	0.0
LAB*LABa	16.57	0.0	0.0	0.0
LAB*TCHa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

blackness n^*

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 37/360 = 0.103$

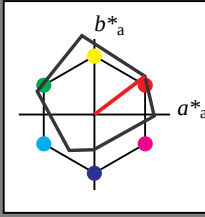
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	96.31	0.0	0.0	2.58
LAB*LABa	96.31	0.0	0.0	2.58
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	0.0
LAB*LABa	76.38	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	0.0
LAB*LABa	56.44	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	36.5	-1.09	2.19	0.0
LAB*LABa	36.5	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	-	-
lab*nce	0.75	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	0.0
LAB*LABa	16.57	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.78	16.36	15.15	0.0
LAB*LABa	82.78	16.7	12.65	0.0
LAB*TCRa	87.5	20.95	37.14	0.0
relative CIELAB lab*				
lab*lab	0.83	0.199	0.151	0.0
lab*tch	0.875	0.25	0.103	0.0
lab*nch	0.0	0.25	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.83	0.238	0.078	0.0
lab*tce	0.875	0.25	0.05	0.0
lab*nce	0.0	0.25	0.20	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	62.85	16.04	15.02	0.0
LAB*LABa	62.85	16.71	12.65	0.0
LAB*TCRa	62.5	20.96	37.14	0.0
relative CIELAB lab*				
lab*lab	0.58	0.199	0.151	0.0
lab*tch	0.625	0.25	0.103	0.0
lab*nch	0.0	0.25	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.58	0.238	0.078	0.0
lab*tce	0.625	0.25	0.05	0.0
lab*nce	0.25	0.25	0.20	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.5	0.75	0.75	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	42.91	15.71	14.89	0.0
LAB*LABa	42.91	16.71	12.65	0.0
LAB*TCRa	37.5	20.96	37.14	0.0
relative CIELAB lab*				
lab*lab	0.33	0.199	0.151	0.0
lab*tch	0.375	0.25	0.103	0.0
lab*nch	0.0	0.25	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.33	0.238	0.078	0.0
lab*tce	0.375	0.25	0.05	0.0
lab*nce	0.5	0.25	0.20	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	29.39	32.19	27.45	0.0
LAB*LABa	29.39	33.4	25.3	0.0
LAB*TCRa	25.01	41.9	37.14	0.0
relative CIELAB lab*				
lab*lab	0.161	0.399	0.302	0.0
lab*tch	0.25	0.5	0.103	0.0
lab*nch	0.0	0.5	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.161	0.475	0.155	0.0
lab*tce	0.25	0.5	0.05	0.0
lab*nce	0.5	0.5	0.20	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.08	0.238	0.078	0.0
LAB*LABa	0.08	0.25	0.05	0.0
LAB*TCRa	0.01	0.25	0.20	0.0
relative CIELAB lab*				
lab*lab	0.08	0.199	0.151	0.0
lab*tch	0.125	0.25	0.103	0.0
lab*nch	0.0	0.25	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.08	0.238	0.078	0.0
lab*tce	0.125	0.25	0.05	0.0
lab*nce	0.75	0.25	0.20	0.0

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.3	32.84	27.71	0.0
LAB*LABa	69.36	33.4	25.3	0.0
LAB*TCRa	75.0	41.9	37.14	0.0
relative CIELAB lab*				
lab*lab	0.661	0.399	0.302	0.0
lab*tch	0.75	0.5	0.103	0.0
lab*nch	0.0	0.5	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.661	0.475	0.155	0.0
lab*tce	0.75	0.5	0.05	0.0
lab*nce	0.0	0.5	0.20	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.25	0.25	(1.0)
cmyn3*	0.25	0.75	0.75	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	49.32	33.41	25.3	0.0
LAB*LABa	49.32	33.41	25.3	0.0
LAB*TCRa	50.0	41.9	37.14	0.0
relative CIELAB lab*				
lab*lab	0.411	0.399	0.302	0.0
lab*tch	0.5	0.5	0.103	0.0
lab*nch	0.0	0.5	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.411	0.475	0.155	0.0
lab*tce	0.5	0.5	0.05	0.0
lab*nce	0.25	0.5	0.20	0.0

Technology (IT)		
0.0	0.0	(1.0)
0.0	1.0	(0.0)
0.5	0.5	0.5
0.5	0.5	0.5
Adapted CIELAB		
0.9	32.19	27.45
0.9	33.4	25.3
1.0	41.9	37.14
lab*		
1.0	0.399	0.302
0.5	0.5	0.103
0.5	0.5	0.103
Colour (NC)		
1.0	0.475	0.155
0.5	0.5	0.205
0.5	0.5	0.205

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 37/360 = 0.103$

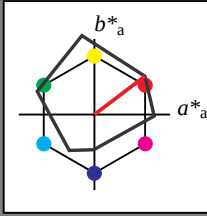
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	96.31	0.0	0.0	0.0
LAB*LABa	96.31	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	0.0
LAB*LABa	76.38	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	0.0
LAB*LABa	56.44	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	36.5	-1.09	2.19	0.0
LAB*LABa	36.5	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	0.0
LAB*LABa	16.57	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.78	16.36	15.15	0.0
LAB*LABa	82.78	16.7	12.65	0.0
LAB*TCRa	87.5	20.95	37.14	0.0
relative CIELAB lab*				
lab*lab	0.83	0.199	0.151	0.0
lab*tch	0.875	0.25	0.103	0.0
lab*nch	0.0	0.25	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.83	0.238	0.078	0.0
lab*tce	0.875	0.25	0.05	0.0
lab*nce	0.0	0.25	0.20	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	62.85	16.04	15.02	0.0
LAB*LABa	62.85	16.71	12.65	0.0
LAB*TCRa	62.5	20.96	37.14	0.0
relative CIELAB lab*				
lab*lab	0.58	0.199	0.151	0.0
lab*tch	0.625	0.25	0.103	0.0
lab*nch	0.0	0.25	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.58	0.238	0.078	0.0
lab*tce	0.625	0.25	0.05	0.0
lab*nce	0.25	0.25	0.20	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.5	0.75	0.75	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	42.91	15.71	14.89	0.0
LAB*LABa	42.91	16.71	12.65	0.0
LAB*TCRa	37.5	20.96	37.14	0.0
relative CIELAB lab*				
lab*lab	0.33	0.199	0.151	0.0
lab*tch	0.375	0.25	0.103	0.0
lab*nch	0.0	0.25	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.33	0.238	0.078	0.0
lab*tce	0.375	0.25	0.05	0.0
lab*nce	0.5	0.25	0.20	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	22.98	15.38	14.76	0.0
LAB*LABa	22.98	16.7	12.65	0.0
LAB*TCRa	12.5	20.95	37.14	0.0
relative CIELAB lab*				
lab*lab	0.08	0.199	0.151	0.0
lab*tch	0.125	0.25	0.103	0.0
lab*nch	0.0	0.25	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.08	0.238	0.078	0.0
lab*tce	0.125	0.25	0.05	0.0
lab*nce	0.75	0.25	0.20	0.0

$n^* = 0,25$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.26	32.84	27.71	0.0
LAB*LABa	69.26	33.4	25.3	0.0
LAB*TCRa	75.0	41.9	37.14	0.0
relative CIELAB lab*				
lab*lab	0.661	0.399	0.302	0.0
lab*tch	0.75	0.5	0.103	0.0
lab*nch	0.0	0.5	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.661	0.475	0.155	0.0
lab*tce	0.75	0.5	0.05	0.0
lab*nce	0.0	0.5	0.20	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.25	0.25	(1.0)
cmyn3*	0.25	0.75	0.75	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	49.32	33.41	25.3	0.0
LAB*LABa	49.32	33.41	25.3	0.0
LAB*TCRa	50.0	41.9	37.14	0.0
relative CIELAB lab*				
lab*lab	0.411	0.399	0.302	0.0
lab*tch	0.5	0.5	0.103	0.0
lab*nch	0.0	0.5	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.411	0.475	0.155	0.0
lab*tce	0.5	0.5	0.05	0.0
lab*nce	0.25	0.5	0.20	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	29.39	32.19	27.45	0.0
LAB*LABa	29.39	33.4	25.3	0.0
LAB*TCRa	25.01	41.9	37.14	0.0
relative CIELAB lab*				
lab*lab	0.161	0.399	0.302	0.0
lab*tch	0.25	0.5	0.103	0.0
lab*nch	0.0	0.5	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.161	0.475	0.155	0.0
lab*tce	0.25	0.5	0.05	0.0
lab*nce	0.5	0.5	0.20	0.0

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	1.0	0.25	0.25	(1.0)
cmyn3*	0.0	0.75	0.75	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.75	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	55.73	49.33	40.27	0.0
LAB*LABa	55.73	50.11	37.95	0.0
LAB*TCRa	62.5	62.86	37.14	0.0
relative CIELAB lab*				
lab*lab	0.491	0.598	0.453	0.0
lab*tch	0.625	0.75	0.103	0.0
lab*nch	0.0	0.75	0.103	0.0
relative Natural Colour (NC)				
lab*trj	0.491	0.713	0.233	0.0
lab*tce	0.625	0.75	0.05	0.0
lab*nce	0.0	0.75	0.20	0.0

relative Inform. Technology (IT)				
----------------------------------	--	--	--	--

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

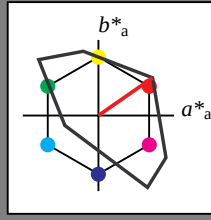
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 74.08 35.81 24.94
LAB*LABa 74.08 35.81 24.94
LAB*TCRa 75.0 43.63 34.85

relative CIELAB lab*
lab*lab 0.862 0.205 0.143
lab*tch 0.875 0.25 0.097
lab*nch 0.0 0.5 0.097
relative Natural Colour (NC)
lab*trj 0.862 0.244 0.055
lab*tce 0.875 0.25 0.035
lab*nce 0.0 0.25 0.14

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 65.4 17.91 12.47
LAB*LABa 65.4 17.91 12.47
LAB*TCRa 62.5 21.81 34.85

relative CIELAB lab*
lab*lab 0.612 0.205 0.143
lab*tch 0.625 0.25 0.097
lab*nch 0.0 0.5 0.097
relative Natural Colour (NC)
lab*trj 0.612 0.244 0.055
lab*tce 0.625 0.25 0.035
lab*nce 0.0 0.25 0.14

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 46.05 17.91 12.47
LAB*LABa 46.05 17.91 12.47
LAB*TCRa 37.5 21.82 34.85

relative CIELAB lab*
lab*lab 0.362 0.205 0.143
lab*tch 0.375 0.25 0.097
lab*nch 0.0 0.25 0.097
relative Natural Colour (NC)
lab*trj 0.362 0.244 0.055
lab*tce 0.375 0.25 0.035
lab*nce 0.0 0.25 0.14

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 35.39 35.81 24.94
LAB*LABa 35.39 35.81 24.94
LAB*TCRa 25.01 43.63 34.85

relative CIELAB lab*
lab*lab 0.225 0.41 0.286
lab*tch 0.25 0.5 0.097
lab*nch 0.5 0.5 0.097
relative Natural Colour (NC)
lab*trj 0.225 0.488 0.109
lab*tce 0.25 0.5 0.035
lab*nce 0.5 0.5 0.14

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 1.0 0.25 0.25 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 63.42 53.72 37.41
LAB*LABa 63.42 53.72 37.41
LAB*TCRa 62.5 65.46 34.85

relative CIELAB lab*
lab*lab 0.587 0.615 0.429
lab*tch 0.625 0.75 0.097
lab*nch 0.0 0.75 0.097
relative Natural Colour (NC)
lab*trj 0.587 0.615 0.164
lab*tce 0.625 0.75 0.035
lab*nce 0.0 0.75 0.14

relative Inform. Technology (IT)
olvi3* 1.0 0.0 0.0 (1.0)
cmyn3* 0.0 1.0 1.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.76 71.62 49.87
LAB*LABa 52.76 71.62 49.87
LAB*TCRa 50.0 87.27 34.85

relative CIELAB lab*
lab*lab 0.449 0.82 0.571
lab*tch 0.5 1.0 0.097
lab*nch 0.0 1.0 0.097
relative Natural Colour (NC)
lab*trj 0.449 0.82 0.218
lab*tce 0.5 1.0 0.035
lab*nce 0.0 1.0 0.14

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 44.84 16.33 13.97
LAB*LABa 44.84 16.33 13.97
LAB*TCRa 37.5 20.66 37.69

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.13 0.83
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

$n^* = 0,25$

blackness n^*

0,25

0,00

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

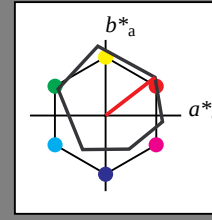
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.61 3.44
LAB*LABa 76.06 0.61 3.44
LAB*TCRa 75.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.24 2.14
LAB*LABa 56.71 0.24 2.14
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.13 0.83
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.5 -0.47
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 83.54 15.58 16.58
LAB*LABa 83.54 15.58 16.58
LAB*TCRa 87.5 20.65 37.69

relative CIELAB lab*
lab*lab 0.847 0.198 0.153
lab*tch 0.875 0.25 0.105
lab*nch 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.847 0.238 0.075
lab*tce 0.875 0.25 0.048
lab*nce 0.0 0.25 0.19

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 64.19 15.96 15.28
LAB*LABa 64.19 15.96 15.28
LAB*TCRa 62.5 20.66 37.69

relative CIELAB lab*
lab*lab 0.597 0.198 0.153
lab*tch 0.625 0.25 0.105
lab*nch 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.597 0.238 0.075
lab*tce 0.625 0.25 0.048
lab*nce 0.0 0.25 0.19

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 52.33 32.33 27.11
LAB*LABa 52.33 32.33 27.11
LAB*TCRa 50.0 41.31 37.69

relative CIELAB lab*
lab*lab 0.443 0.396 0.306
lab*tch 0.443 0.396 0.306
lab*nch 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.443 0.477 0.15
lab*tce 0.443 0.396 0.048
lab*nce 0.0 0.25 0.19

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 40.46 49.1 38.93
LAB*LABa 40.46 49.1 38.93
LAB*TCRa 37.51 61.96 37.69

relative CIELAB lab*
lab*lab 0.29 0.593 0.458
lab*tch 0.375 0.75 0.105
lab*nch 0.0 0.75 0.105
relative Natural Colour (NC)
lab*trj 0.29 0.716 0.224
lab*tce 0.375 0.75 0.048
lab*nce 0.0 0.75 0.19

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 1.0 0.25 0.25 (1.0)
cmyn3* 0.0 0.75 0.75 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 59.8 49.03 37.88
LAB*LABa 59.8 49.03 37.88
LAB*TCRa 62.5 61.96 37.69

relative CIELAB lab*
lab*lab 0.54 0.593 0.458
lab*tch 0.625 0.75 0.105
lab*nch 0.0 0.75 0.105
relative Natural Colour (NC)
lab*trj 0.54 0.716 0.224
lab*tce 0.625 0.75 0.048
lab*nce 0.0 0.75 0.19

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.0 (1.0)
cmyn3* 0.25 1.0 1.0 (0.0)
olvi

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

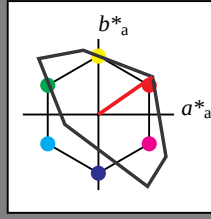
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.5 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 74.08 \ 35.81 \ 24.94$
 $LAB^*TCha \ 74.08 \ 35.81 \ 24.94$
 $LAB^*TCha \ 75.0 \ 43.63 \ 34.85$

relative CIELAB lab*
 $lab^*lab \ 0.862 \ 0.205 \ 0.143$
 $lab^*tch \ 0.875 \ 0.25 \ 0.097$
 $lab^*nch \ 0.0 \ 0.5 \ 0.097$
 relative Natural Colour (NC)
 $lab^*trj \ 0.862 \ 0.244 \ 0.055$
 $lab^*tce \ 0.875 \ 0.25 \ 0.035$
 $lab^*nce \ 0.0 \ 0.25 \ 0.14$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.5 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 65.4 \ 17.91 \ 12.47$
 $LAB^*TCha \ 65.4 \ 17.91 \ 12.47$
 $LAB^*TCha \ 62.5 \ 21.82 \ 34.85$

relative CIELAB lab*
 $lab^*lab \ 0.612 \ 0.205 \ 0.143$
 $lab^*tch \ 0.625 \ 0.25 \ 0.097$
 $lab^*nch \ 0.0 \ 0.5 \ 0.097$
 relative Natural Colour (NC)
 $lab^*trj \ 0.612 \ 0.244 \ 0.055$
 $lab^*tce \ 0.625 \ 0.25 \ 0.035$
 $lab^*nce \ 0.0 \ 0.25 \ 0.14$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.25 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 46.05 \ 17.91 \ 12.47$
 $LAB^*TCha \ 46.05 \ 17.91 \ 12.47$
 $LAB^*TCha \ 37.5 \ 21.82 \ 34.85$

relative CIELAB lab*
 $lab^*lab \ 0.474 \ 0.41 \ 0.286$
 $lab^*tch \ 0.488 \ 0.41 \ 0.097$
 $lab^*nch \ 0.0 \ 0.5 \ 0.097$
 relative Natural Colour (NC)
 $lab^*trj \ 0.474 \ 0.488 \ 0.109$
 $lab^*tce \ 0.5 \ 0.5 \ 0.035$
 $lab^*nce \ 0.25 \ 0.5 \ 0.14$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.75 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.5 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 35.39 \ 35.81 \ 24.94$
 $LAB^*TCha \ 35.39 \ 35.81 \ 24.94$
 $LAB^*TCha \ 25.01 \ 43.63 \ 34.85$

relative CIELAB lab*
 $lab^*lab \ 0.337 \ 0.615 \ 0.429$
 $lab^*tch \ 0.375 \ 0.75 \ 0.097$
 $lab^*nch \ 0.0 \ 0.5 \ 0.097$
 relative Natural Colour (NC)
 $lab^*trj \ 0.337 \ 0.75 \ 0.164$
 $lab^*tce \ 0.375 \ 0.75 \ 0.035$
 $lab^*nce \ 0.25 \ 0.75 \ 0.14$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.5 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

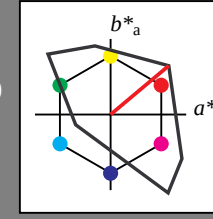
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.52 \ 0.0 \ 0.0$
 $LAB^*TCha \ 71.52 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.5 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.5 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 72.95 \ 38.45 \ 32.27$
 $LAB^*TCha \ 72.95 \ 38.45 \ 32.27$
 $LAB^*TCha \ 75.0 \ 40.2 \ 40.0$

relative CIELAB lab*
 $lab^*lab \ 0.765 \ 0.383 \ 0.321$
 $lab^*tch \ 0.775 \ 0.5 \ 0.111$
 $lab^*nch \ 0.0 \ 0.5 \ 0.111$
 relative Natural Colour (

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

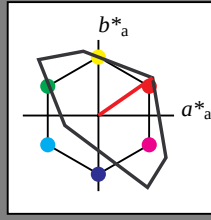
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCHa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCHa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCHa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCHa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCHa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	74.08	35.81	24.94	
LAB*LABa	74.08	35.81	24.94	
LAB*TCHa	75.0	43.63	34.85	
relative CIELAB lab*				
lab*lab	0.862	0.205	0.143	
lab*lab	0.875	0.25	0.097	
lab*lab	0.875	0.25	0.097	
lab*lab	0.875	0.25	0.097	
relative Natural Colour (NC)				
lab*lab	0.862	0.244	0.055	
lab*lab	0.875	0.25	0.035	
lab*lab	0.875	0.25	0.035	
lab*lab	0.875	0.25	0.035	

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	65.4	17.91	12.47	
LAB*LABa	65.4	17.91	12.47	
LAB*TCHa	62.5	21.82	34.85	
relative CIELAB lab*				
lab*lab	0.612	0.205	0.143	
lab*lab	0.625	0.25	0.097	
lab*lab	0.625	0.25	0.097	
lab*lab	0.625	0.25	0.097	
relative Natural Colour (NC)				
lab*lab	0.612	0.244	0.055	
lab*lab	0.625	0.25	0.035	
lab*lab	0.625	0.25	0.035	
lab*lab	0.625	0.25	0.035	

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.5	0.25	0.25	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	54.74	35.82	24.94	
LAB*LABa	54.74	35.82	24.94	
LAB*TCHa	50.0	43.64	34.85	
relative CIELAB lab*				
lab*lab	0.474	0.41	0.286	
lab*lab	0.474	0.41	0.286	
lab*lab	0.474	0.41	0.286	
lab*lab	0.474	0.41	0.286	
relative Natural Colour (NC)				
lab*lab	0.474	0.488	0.109	
lab*lab	0.474	0.488	0.109	
lab*lab	0.474	0.488	0.109	
lab*lab	0.474	0.488	0.109	

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	35.39	35.81	24.94	
LAB*LABa	35.39	35.81	24.94	
LAB*TCHa	25.01	43.63	34.85	
relative CIELAB lab*				
lab*lab	0.225	0.41	0.286	
lab*lab	0.225	0.41	0.286	
lab*lab	0.225	0.41	0.286	
lab*lab	0.225	0.41	0.286	
relative Natural Colour (NC)				
lab*lab	0.225	0.488	0.109	
lab*lab	0.225	0.488	0.109	
lab*lab	0.225	0.488	0.109	
lab*lab	0.225	0.488	0.109	

$n^* = 0,50$

0,75

$n^* = 0,00$

0,25

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System DRXXX

for hue $h^* = lab^*h = 37/360 = 0.103$

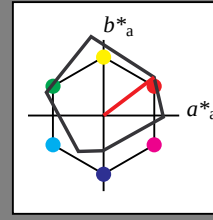
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	96.31	0.11	2.58	
LAB*LABa	96.31	0.11	2.58	
LAB*TCHa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	
LAB*LABa	76.38	0.0	0.0	
LAB*TCha	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*Ycb	0.75	0.0	-	
lab*Ycbh	0.75	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.25	0.0	0.0	
lab*Ycb	0.75	0.0	-	
lab*YcbE	0.25	0.0	-	

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

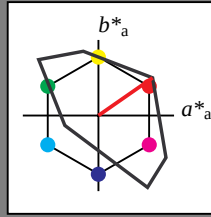
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.5 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 74.08 \ 35.81 \ 24.94$
 $LAB^*TCha \ 74.08 \ 35.81 \ 24.94$
 $LAB^*TCha \ 75.0 \ 43.63 \ 34.85$

relative CIELAB lab*
 $lab^*lab \ 0.862 \ 0.205 \ 0.143$
 $lab^*tch \ 0.875 \ 0.25 \ 0.097$
 $lab^*nch \ 0.0 \ 0.5 \ 0.097$
 relative Natural Colour (NC)
 $lab^*trj \ 0.862 \ 0.244 \ 0.055$
 $lab^*tce \ 0.875 \ 0.25 \ 0.035$
 $lab^*nce \ 0.0 \ 0.25 \ r14$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.75 \ 0.75 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.25 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 65.4 \ 17.91 \ 12.47$
 $LAB^*TCha \ 65.4 \ 17.91 \ 12.47$
 $LAB^*TCha \ 62.5 \ 21.82 \ 34.85$

relative CIELAB lab*
 $lab^*lab \ 0.612 \ 0.205 \ 0.143$
 $lab^*tch \ 0.625 \ 0.25 \ 0.097$
 $lab^*nch \ 0.0 \ 0.5 \ 0.097$
 relative Natural Colour (NC)
 $lab^*trj \ 0.612 \ 0.244 \ 0.055$
 $lab^*tce \ 0.625 \ 0.25 \ 0.035$
 $lab^*nce \ 0.25 \ 0.25 \ r14$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.25 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 46.05 \ 17.91 \ 12.47$
 $LAB^*TCha \ 46.05 \ 17.91 \ 12.47$
 $LAB^*TCha \ 37.5 \ 21.82 \ 34.85$

relative CIELAB lab*
 $lab^*lab \ 0.362 \ 0.205 \ 0.143$
 $lab^*tch \ 0.375 \ 0.25 \ 0.097$
 $lab^*nch \ 0.0 \ 0.5 \ 0.097$
 relative Natural Colour (NC)
 $lab^*trj \ 0.362 \ 0.244 \ 0.055$
 $lab^*tce \ 0.375 \ 0.25 \ 0.035$
 $lab^*nce \ 0.5 \ 0.25 \ r14$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.75 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.5 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 35.39 \ 35.81 \ 24.94$
 $LAB^*TCha \ 35.39 \ 35.81 \ 24.94$
 $LAB^*TCha \ 25.01 \ 43.63 \ 34.85$

relative CIELAB lab*
 $lab^*lab \ 0.225 \ 0.41 \ 0.286$
 $lab^*tch \ 0.25 \ 0.5 \ 0.097$
 $lab^*nch \ 0.5 \ 0.5 \ 0.097$
 relative Natural Colour (NC)
 $lab^*trj \ 0.225 \ 0.488 \ 0.109$
 $lab^*tce \ 0.25 \ 0.5 \ 0.035$
 $lab^*nce \ 0.5 \ 0.5 \ r14$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

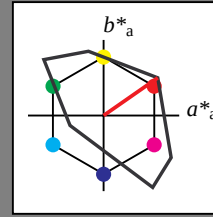
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

$n^* = 1,0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.75 \ 0.75 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.25 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 65.4 \ 17.91 \ 12.47$
 $LAB^*TCha \ 65.4 \ 17.91 \ 12.47$
 $LAB^*TCha \ 62.5 \ 21.82 \ 34.85$

relative CIELAB lab*
 $lab^*lab \ 0.612 \ 0.205 \ 0.143$
 $lab^*tch \ 0.625 \ 0.25 \ 0.097$
 $lab^*nch \ 0.0 \ 0.5 \ 0.097$
 relative Natural Colour (NC)
 $lab^*trj \ 0.612 \ 0.244 \ 0.055$
 $lab^*tce \ 0.625 \ 0.25 \ 0.035$
 $lab^*nce \ 0.25 \ 0.25 \ r14$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.5 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 46.05 \ 17.91 \ 12.47$
 $LAB^*TCha \ 46.05 \ 17.91 \ 12.47$
 $LAB^*TCha \ 37.5 \ 21.82 \ 34.85$

relative CIELAB lab*
 $lab^*lab \ 0.474 \ 0.41 \ 0.286$
 $lab^*tch \ 0.488 \ 0.488 \ 0.109$
 $lab^*nch \ 0.25 \ 0.5 \ 0.097$
 relative Natural Colour (NC)
 $lab^*trj \ 0.474 \ 0.488 \ 0.109$
 $lab^*tce \ 0.5 \ 0.5 \ 0.035$
 $lab^*nce \ 0.25 \ 0.5 \ r14$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.5 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.5 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 35.39 \ 35.81 \ 24.94$
 $LAB^*TCha \ 35.39 \ 35.81 \ 24.94$
 $LAB^*TCha \ 25.01 \ 43.63 \ 34.85$

relative CIELAB lab*
 $lab^*lab \ 0.225 \ 0.41 \ 0.286$
 $lab^*tch \ 0.25 \ 0.5 \ 0.097$
 $lab^*nch \ 0.5 \ 0.5 \ 0.097$
 relative Natural Colour (NC)
 $lab^*trj \ 0.225 \ 0.488 \ 0.109$
 $lab^*tce \ 0.25 \ 0.5 \ 0.035$
 $lab^*nce \ 0.5 \ 0.5 \ r14$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 35/360 = 0.097 (left)

5 step scales for constant CIELAB hue 35/360 = 0.097 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

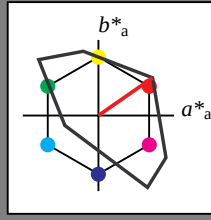
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 74.08 35.81 24.94
LAB*LABa 74.08 35.81 24.94
LAB*TCRa 75.0 43.63 34.85

relative CIELAB lab*
lab*lab 0.862 0.205 0.143
lab*tch 0.875 0.25 0.097
lab*nch 0.0 0.25 0.097
relative Natural Colour (NC)
lab*trj 0.862 0.244 0.055
lab*tce 0.875 0.25 0.035
lab*nce 0.0 0.25 0.14

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 65.4 17.91 12.47
LAB*LABa 65.4 17.91 12.47
LAB*TCRa 62.5 21.81 34.85

relative CIELAB lab*
lab*lab 0.612 0.205 0.143
lab*tch 0.625 0.25 0.097
lab*nch 0.0 0.25 0.097
relative Natural Colour (NC)
lab*trj 0.612 0.244 0.055
lab*tce 0.625 0.25 0.035
lab*nce 0.0 0.25 0.14

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 46.05 17.91 12.47
LAB*LABa 46.05 17.91 12.47
LAB*TCRa 37.5 21.82 34.85

relative CIELAB lab*
lab*lab 0.362 0.205 0.143
lab*tch 0.375 0.25 0.097
lab*nch 0.0 0.25 0.097
relative Natural Colour (NC)
lab*trj 0.362 0.244 0.055
lab*tce 0.375 0.25 0.035
lab*nce 0.0 0.25 0.14

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 35.39 35.81 24.94
LAB*LABa 35.39 35.81 24.94
LAB*TCRa 25.01 43.63 34.85

relative CIELAB lab*
lab*lab 0.225 0.41 0.286
lab*tch 0.25 0.5 0.097
lab*nch 0.0 0.5 0.097
relative Natural Colour (NC)
lab*trj 0.225 0.488 0.109
lab*tce 0.25 0.5 0.035
lab*nce 0.0 0.5 0.14

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 1.0 0.25 0.25 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 63.42 53.72 37.41
LAB*LABa 63.42 53.72 37.41
LAB*TCRa 62.5 65.46 34.85

relative CIELAB lab*
lab*lab 0.587 0.615 0.429
lab*tch 0.625 0.75 0.097
lab*nch 0.0 0.75 0.097
relative Natural Colour (NC)
lab*trj 0.587 0.615 0.164
lab*tce 0.625 0.75 0.035
lab*nce 0.0 0.75 0.14

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.0 (1.0)
cmyn3* 0.25 1.0 1.0 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 52.76 71.62 49.87
LAB*LABa 52.76 71.62 49.87
LAB*TCRa 50.0 87.27 34.85

relative CIELAB lab*
lab*lab 0.449 0.82 0.571
lab*tch 0.5 1.0 0.097
lab*nch 0.0 1.0 0.097
relative Natural Colour (NC)
lab*trj 0.449 0.82 0.218
lab*tce 0.5 1.0 0.035
lab*nce 0.0 1.0 0.14

$n^* = 0,00$

0,25

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 44.08 53.72 37.41
LAB*LABa 44.08 53.72 37.41
LAB*TCRa 37.51 65.46 34.85

relative CIELAB lab*
lab*lab 0.337 0.615 0.429
lab*tch 0.375 0.75 0.097
lab*nch 0.0 0.75 0.097
relative Natural Colour (NC)
lab*trj 0.337 0.615 0.164
lab*tce 0.375 0.75 0.035
lab*nce 0.0 0.75 0.14

$n^* = 0,25$

blackness n^*

0,00

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 30/360 = 0.083$

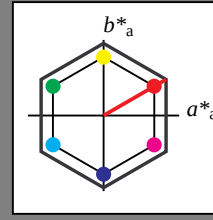
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.01 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 63.61 41.3 23.85
LAB*LABa 63.61 41.3 23.85
LAB*TCRa 75.0 47.69 30.0

relative CIELAB lab*
lab*lab 0.667 0.433 0.25
lab*tch 0.75 0.5 0.083
lab*nch 0.0 0.5 0.083
relative Natural Colour (NC)
lab*trj 0.667 0.497 0.033
lab*tce 0.75 0.5 0.017
lab*nce 0.0 0.5 0.06

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 55.66 20.66 11.93
LAB*LABa 55.66 20.66 11.93
LAB*TCRa 62.5 23.85 30.0

relative CIELAB lab*
lab*lab 0.583 0.217 0.125
lab*tch 0.625 0.25 0.083
lab*nch 0.0 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.583 0.248 0.027
lab*tce 0.625 0.25 0.017
lab*nce 0.0 0.25 0.06

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCRa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 31.81 20.66 11.93
LAB*LABa 31.81 20.66 11.93
LAB*TCRa 37.5 23.85 30.0

relative CIELAB lab*
lab*lab 0.333 0.217 0.125
lab*tch 0.375 0.25 0.083
lab*nch 0.0 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.333 0.248 0.027
lab*tce 0.375 0.25 0.017
lab*nce 0.0 0.25 0.06

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

0,25

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 35/360 = 0.097 (left)

5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

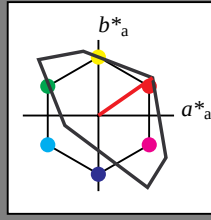
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

0,00

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

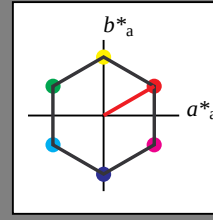
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

$n^* = 0,00$

$n^* = 0,25$

0,50

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 35/360 = 0.097 (left)

5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

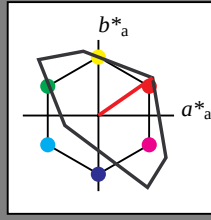
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	84.74	17.9	12.47
LAB*LABa	84.74	17.9	12.47
LAB*TCRa	87.5	21.81	34.85

relative CIELAB lab*

lab*lab	0.862	0.205	0.143
lab*tch	0.875	0.25	0.097
lab*nch	0.0	0.5	0.097

relative Natural Colour (NC)

lab*trj	0.862	0.244	0.055
lab*tce	0.875	0.25	0.035
lab*nce	0.0	0.25	0.14

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	65.4	17.91	12.47
LAB*LABa	65.4	17.91	12.47
LAB*TCRa	62.5	21.82	34.85

relative CIELAB lab*

lab*lab	0.612	0.205	0.143
lab*tch	0.625	0.25	0.097
lab*nch	0.0	0.25	0.097

relative Natural Colour (NC)

lab*trj	0.612	0.244	0.055
lab*tce	0.625	0.25	0.035
lab*nce	0.25	0.25	0.14

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.5	0.75	0.75	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	46.05	17.91	12.47
LAB*LABa	46.05	17.91	12.47
LAB*TCRa	37.5	21.82	34.85

relative CIELAB lab*

lab*lab	0.362	0.205	0.143
lab*tch	0.375	0.25	0.097
lab*nch	0.0	0.25	0.097

relative Natural Colour (NC)

lab*trj	0.362	0.244	0.055
lab*tce	0.375	0.25	0.035
lab*nce	0.25	0.25	0.14

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	26.7	17.9	12.47
LAB*LABa	26.7	17.9	12.47
LAB*TCRa	12.5	21.81	34.85

relative CIELAB lab*

lab*lab	0.112	0.205	0.143
lab*tch	0.125	0.25	0.097
lab*nch	0.0	0.25	0.097

relative Natural Colour (NC)

lab*trj	0.112	0.244	0.055
lab*tce	0.125	0.25	0.035
lab*nce	0.25	0.25	0.14

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 0,25$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	74.08	35.81	24.94
LAB*LABa	74.08	35.81	24.94
LAB*TCRa	75.0	43.63	34.85

relative CIELAB lab*

lab*lab	0.724	0.41	0.286
lab*tch	0.75	0.5	0.097
lab*nch	0.0	0.5	0.097

relative Natural Colour (NC)

lab*trj	0.724	0.488	0.109
lab*tce	0.75	0.5	0.035
lab*nce	0.0	0.5	0.14

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.25	(1.0)
cmyn3*	0.25	0.75	0.75	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	54.74	35.81	24.94
LAB*LABa	54.74	35.81	24.94
LAB*TCRa	50.0	43.64	34.85

relative CIELAB lab*

lab*lab	0.474	0.41	0.286
lab*tch	0.5	0.5	0.097
lab*nch	0.0	0.5	0.097

relative Natural Colour (NC)

lab*trj	0.474	0.488	0.109
lab*tce	0.5	0.5	0.035
lab*nce	0.25	0.5	0.14

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	35.39	35.81	24.94
LAB*LABa	35.39	35.81	24.94
LAB*TCRa	25.01	43.63	34.85

relative CIELAB lab*

lab*lab	0.225	0.41	0.286
lab*tch	0.25	0.5	0.097
lab*nch	0.0	0.5	0.097

relative Natural Colour (NC)

lab*trj	0.225	0.488	0.109
lab*tce	0.25	0.5	0.035
lab*nce	0.5	0.5	0.14

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 0,00$

relative Inform. Technology (IT)

olvi3*	1.0	0.25	0.25	(1.0)
cmyn3*	0.0	0.75	0.75	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	63.42	53.72	37.41
LAB*LABa	63.42	53.72	37.41
LAB*TCRa	62.5	65.46	34.85

relative CIELAB lab*

lab*lab	0.587	0.615	0.429
lab*tch	0.625	0.75	0.097
lab*nch	0.0	0.75	0.097

relative Natural Colour (NC)

lab*trj	0.587	0.615	0.164
lab*tce	0.625	0.75	0.035
lab*nce	0.0	0.75	0.14

relative Inform. Technology (IT)

olvi3*	1.0	0.0	0.0	(1.0)
cmyn3*	0.0	1.0	1.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	1.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	52.76	71.62	49.87
LAB*LABa	52.76	71.62	49.87
LAB*TCRa	50.0	87.27	34.85

relative CIELAB lab*

lab*lab	0.449	0.82	0.571
lab*tch	0.5	1.0	0.097
lab*nch	0.0	1.0	0.097

relative Natural Colour (NC)

lab*trj	0.449	0.82	0.218
lab*tce	0.5	1.0	0.035
lab*nce	0.0	1.0	0.14

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.0	(1.0)
cmyn3*	0.25	1.0	1.0	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	44.08	53.72	37.41
LAB*LABa	44.08	53.72	37.41
LAB*TCRa	37.51	65.46	34.85

relative CIELAB lab*

lab*lab	0.337	0.615	0.429
lab*tch	0.375	0.75	0.097
lab*nch	0.0	0.75	0.097

relative Natural Colour (NC)

lab*trj	0.337	0.615	0.164
lab*tce	0.375	0.75	0.035
lab*nce	0.25	0.75	0.14

relative Inform. Technology (

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

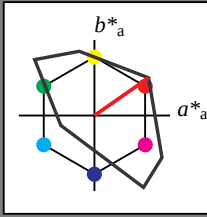
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.74	17.9	12.47	
LAB*LABa	84.74	17.9	12.47	
LAB*TCRa	87.5	21.81	34.85	
relative CIELAB lab*				
lab*lab	0.862	0.205	0.143	
lab*lab	0.875	0.25	0.097	
lab*lab	0.875	0.25	0.097	
lab*lab	0.875	0.25	0.097	
relative Natural Colour (NC)				
lab*lab	0.862	0.244	0.055	
lab*lab	0.875	0.25	0.035	
lab*lab	0.875	0.25	0.035	
lab*lab	0.875	0.25	0.035	

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	65.4	17.91	12.47	
LAB*LABa	65.4	17.91	12.47	
LAB*TCRa	62.5	21.81	34.85	
relative CIELAB lab*				
lab*lab	0.612	0.205	0.143	
lab*lab	0.625	0.25	0.097	
lab*lab	0.625	0.25	0.097	
lab*lab	0.625	0.25	0.097	
relative Natural Colour (NC)				
lab*lab	0.612	0.244	0.055	
lab*lab	0.625	0.25	0.035	
lab*lab	0.625	0.25	0.035	
lab*lab	0.625	0.25	0.035	

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.5	0.75	0.75	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	46.05	17.91	12.47	
LAB*LABa	46.05	17.91	12.47	
LAB*TCRa	37.5	21.81	34.85	
relative CIELAB lab*				
lab*lab	0.362	0.205	0.143	
lab*lab	0.375	0.25	0.097	
lab*lab	0.375	0.25	0.097	
lab*lab	0.375	0.25	0.097	
relative Natural Colour (NC)				
lab*lab	0.362	0.244	0.055	
lab*lab	0.375	0.25	0.035	
lab*lab	0.375	0.25	0.035	
lab*lab	0.375	0.25	0.035	

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	26.7	17.9	12.47	
LAB*LABa	26.7	17.9	12.47	
LAB*TCRa	12.5	21.81	34.85	
relative CIELAB lab*				
lab*lab	0.112	0.205	0.143	
lab*lab	0.125	0.25	0.097	
lab*lab	0.125	0.25	0.097	
lab*lab	0.125	0.25	0.097	
relative Natural Colour (NC)				
lab*lab	0.112	0.244	0.055	
lab*lab	0.125	0.25	0.035	
lab*lab	0.125	0.25	0.035	
lab*lab	0.125	0.25	0.035	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	74.08	35.81	24.94	
LAB*LABa	74.08	35.81	24.94	
LAB*TCRa	75.0	43.64	34.85	
relative CIELAB lab*				
lab*lab	0.724	0.41	0.286	
lab*lab	0.75	0.5	0.097	
lab*lab	0.75	0.5	0.097	
lab*lab	0.75	0.5	0.097	
relative Natural Colour (NC)				
lab*lab	0.724	0.488	0.109	
lab*lab	0.75	0.5	0.035	
lab*lab	0.75	0.5	0.035	
lab*lab	0.75	0.5	0.035	

relative CIELAB Lab ^a			
lab*lab	0.724	0.41	0.286
lab*rch	0.75	0.5	0.097
lab*nch	0.0	0.5	0.097
relative Natural Colour (NC)			
lab*trj	0.724	0.488	0.109
lab*rcg	0.75	0.5	0.035
lab*nCe	0.0	0.5	0.14
relative Inform. Technology (IT)			
olvi3*	0.75	0.25	0.25
cmyn3*	0.25	0.75	0.75
olvi4*	1.0	0.5	0.5
cmyn4*	0.0	0.5	0.25
standard and adapted CIELAB			
LAB*LAB	54.74	35.82	24.94
LAB*LABa	54.74	35.82	24.94

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 30/360 = 0.083$

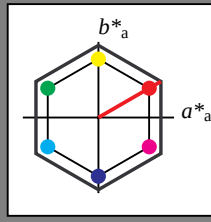
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCHa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCHa	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCHa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	63.61	41.3	23.85
LAB*LABa	63.61	41.3	23.85
LAB*TCHa	75.0	47.69	30.0

relative CIELAB lab*

lab*lab	0.833	0.216	0.125
lab*tch	0.875	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.833	0.249	0.027
lab*tce	0.25	0.25	0.017
lab*nce	0.0	0.25	0.061

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	38.76	41.3	23.85
LAB*LABa	38.76	41.3	23.85
LAB*TCHa	50.0	47.7	30.0

relative CIELAB lab*

lab*lab	0.5	0.497	0.375
lab*tch	0.5	0.75	0.083
lab*nch	0.0	0.75	0.083

relative Natural Colour (NC)

lab*trj	0.5	0.75	0.083
lab*tce	0.5	0.75	0.083
lab*nce	0.0	0.75	0.083

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.5	(1.0)
cmyn3*	0.5	1.0	0.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	19.92	41.3	23.85
LAB*LABa	19.92	41.3	23.85
LAB*TCHa	25.0	47.69	30.0

relative CIELAB lab*

lab*lab	0.333	0.217	0.125
lab*tch	0.375	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.333	0.249	0.027
lab*tce	0.375	0.25	0.017
lab*nce	0.0	0.25	0.061

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	0.0	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	7.97	20.65	11.92
LAB*LABa	7.97	20.65	11.92
LAB*TCHa	12.5	23.84	30.0

relative CIELAB lab*

lab*lab	0.083	0.216	0.125
lab*tch	0.125	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.083	0.249	0.027
lab*tce	0.125	0.25	0.017
lab*nce	0.0	0.25	0.061

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

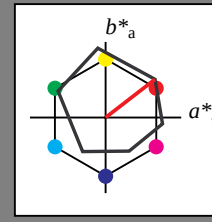
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	-0.88	4.75
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	48.19	15.96	15.28
LAB*LABa	48.19	16.35	12.63
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.36	0.13	0.83
LAB*LABa	23.36	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	64.19	15.96	15.28
LAB*LABa	64.19	16.35	12.63
LAB*TCHa	62.5	20.66	37.69

relative CIELAB lab*

lab*lab	0.597	0.198	0.153
lab*tch	0.625	0.25	0.105
lab*nch	0.0	0.25	0.105

relative Natural Colour (NC)

lab*trj	0.597	0.25	0.105
lab*tce	0.625	0.25	0.105
lab*nce	0.0	0.25	0.105

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	32.33	25.33	27.11
LAB*LABa	32.33	26.69	25.26
LAB*TCHa	50.0	41.31	37.69

relative CIELAB lab*

lab*lab	0.443	0.396	0.306
lab*tch	0.5	0.5	0.105
lab*nch	0.0	0.5	0.105

relative Natural Colour (NC)

lab*trj	0.443	0.477	0.15
lab*tce	0.5	0.5	0.105
lab*nce	0.0	0.5	0.105

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	0.0	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	44.84	16.33	13.97
LAB*LABa	44.84	16.35	12.63
LAB*TCHa	37.5	20.66	37.69

relative CIELAB lab*

lab*lab	0.347	0.198	0.153
lab*tch	0.375	0.25	0.1

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 30/360 = 0.083$

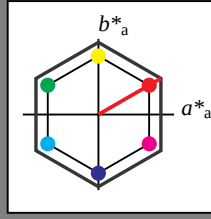
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

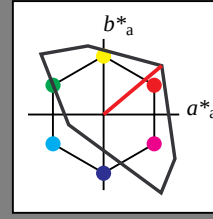
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

relative Inform. Technology (IT)

olv3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 71.57 0.0 0.0

LAB*LABa 71.57 0.0 0.0

LAB*LABb 71.57 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olv3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 71.57 0.0 0.0

LAB*LABa 71.57 0.0 0.0

LAB*LABb 71.57 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 30/360 = 0.083$

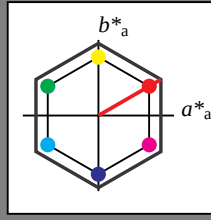
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.25

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.5

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.75

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	1.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	1.0
cmyn4*	0.0	0.5	0.5	0.0

standard and adapted CIELAB

LAB*LAB	63.61	41.3	23.85
LAB*LABa	63.61	41.3	23.85
LAB*LABb	75.0	47.69	30.0

relative CIELAB lab*

lab*lab	0.833	0.216	0.125
lab*tch	0.875	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.833	0.248	0.027
lab*tce	0.25	0.25	0.017
lab*nce	0.0	0.25	0.06

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	1.0
cmyn4*	0.0	0.5	0.5	0.25

standard and adapted CIELAB

LAB*LAB	38.76	41.3	23.85
LAB*LABa	38.76	41.3	23.85
LAB*LABb	50.0	47.69	30.0

relative CIELAB lab*

lab*lab	0.583	0.217	0.125
lab*tch	0.625	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.583	0.249	0.027
lab*tce	0.25	0.25	0.017
lab*nce	0.0	0.25	0.06

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	1.0	0.25	0.25	1.0
cmyn4*	0.0	0.25	0.25	0.5

standard and adapted CIELAB

LAB*LAB	31.81	20.66	11.92
LAB*LABa	31.81	20.66	11.92
LAB*LABb	37.5	23.84	30.0

relative CIELAB lab*

lab*lab	0.333	0.217	0.125
lab*tch	0.375	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.333	0.249	0.027
lab*tce	0.25	0.25	0.017
lab*nce	0.0	0.25	0.06

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	1.0
cmyn4*	0.0	0.5	0.5	0.0

standard and adapted CIELAB

LAB*LAB	15.92	41.3	23.85
LAB*LABa	15.92	41.3	23.85
LAB*LABb	25.01	47.69	30.0

relative CIELAB lab*

lab*lab	0.167	0.433	0.25
lab*tch	0.25	0.5	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.167	0.497	0.053
lab*tce	0.25	0.5	0.017
lab*nce	0.0	0.5	0.06

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 37/360 = 0.103$

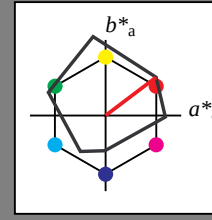
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.31	0.11	2.58
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.38	0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.25

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	49.32	0.76	2.32
LAB*LABa	49.32	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.5

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	36.5	1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	37.5	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.75

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	1.0
cmyn4*	0.0	0.5	0.5	0.0

standard and adapted CIELAB

LAB*LAB	62.85	16.36	15.15
LAB*LABa	62.26	16.7	12.65
LAB*LABb	62.5	20.95	37.14

relative CIELAB lab*

lab*lab	0.661	0.399	0.302
lab*tch	0.75	0.5	0.103
lab*nch	0.0	0.5	0.103

relative Natural Colour (NC)

lab*lrj	0.661	0.475	0.155
lab*tce	0.75	0.5	0.05
lab*nce	0.0	0.5	0.20j

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 30/360 = 0.083$

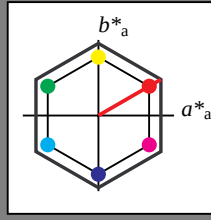
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)
 $olv3^* = 1.0, 1.0, 1.0, 1.0$
 $cmyn3^* = 0.0, 0.0, 0.0, 0.0$
 $olv4^* = 1.0, 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41, 0.0, 0.0$
 $LAB^*TCh = 99.99, 0.02$

relative CIELAB lab*
 $lab^*lab = 1.0, 0.0, 0.0$
 $lab^*tch = 1.0, 0.0, 0.0$
 $lab^*nch = 0.0, 0.0, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 1.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, 0.0$

relative Inform. Technology (IT)
 $olv3^* = 0.75, 0.75, 0.75, 1.0$
 $cmyn3^* = 0.25, 0.25, 0.25, 0.0$
 $olv4^* = 1.0, 1.0, 1.0, 0.75$
 $cmyn4^* = 0.0, 0.0, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 71.57, 0.0, 0.0$
 $LAB^*TCh = 75.0, 0.02$

relative CIELAB lab*
 $lab^*lab = 0.75, 0.0, 0.0$
 $lab^*tch = 0.75, 0.0, 0.0$
 $lab^*nch = 0.0, 0.0, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.75, 0.0, 0.0$
 $lab^*tce = 0.25, 0.0, 0.0$

relative Inform. Technology (IT)
 $olv3^* = 0.5, 0.5, 0.5, 1.0$
 $cmyn3^* = 0.5, 0.5, 0.5, 0.0$
 $olv4^* = 1.0, 1.0, 1.0, 0.5$
 $cmyn4^* = 0.0, 0.0, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 47.72, 0.0, 0.0$
 $LAB^*TCh = 50.0, 0.02$

relative CIELAB lab*
 $lab^*lab = 0.5, 0.0, 0.0$
 $lab^*tch = 0.5, 0.0, 0.0$
 $lab^*nch = 0.0, 0.0, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.5, 0.0, 0.0$
 $lab^*tce = 0.5, 0.0, 0.0$

relative Inform. Technology (IT)
 $olv3^* = 0.25, 0.25, 0.25, 1.0$
 $cmyn3^* = 0.75, 0.75, 0.75, 0.0$
 $olv4^* = 1.0, 1.0, 1.0, 0.25$
 $cmyn4^* = 0.0, 0.0, 0.0, 0.75$
 standard and adapted CIELAB
 $LAB^*LAB = 23.87, 0.0, 0.0$
 $LAB^*TCh = 25.0, 0.02$

relative CIELAB lab*
 $lab^*lab = 0.25, 0.0, 0.0$
 $lab^*tch = 0.25, 0.0, 0.0$
 $lab^*nch = 0.0, 0.0, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.25, 0.0, 0.0$
 $lab^*tce = 0.75, 0.0, 0.0$

relative Inform. Technology (IT)
 $olv3^* = 0.0, 0.0, 0.0, 1.0$
 $cmyn3^* = 1.0, 1.0, 1.0, 0.0$
 $olv4^* = 1.0, 1.0, 1.0, 0.0$
 $cmyn4^* = 0.0, 0.0, 0.0, 1.0$
 standard and adapted CIELAB
 $LAB^*LAB = 0.03, 0.0, 0.0$
 $LAB^*TCh = 0.01, 0.02$

relative CIELAB lab*
 $lab^*lab = 0.0, 0.0, 0.0$
 $lab^*tch = 0.0, 0.0, 0.0$
 $lab^*nch = 0.0, 0.0, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0, 0.0, 0.0$
 $lab^*tce = 1.0, 0.0, 0.0$

$n^* = 1, 0$

NLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

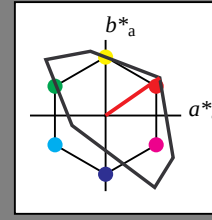
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)
 $olv3^* = 1.0, 1.0, 1.0, 1.0$
 $cmyn3^* = 0.0, 0.0, 0.0, 0.0$
 $olv4^* = 1.0, 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41, 0.0, 0.0$
 $LAB^*TCh = 99.99, 0.01$

relative CIELAB lab*
 $lab^*lab = 1.0, 0.0, 0.0$
 $lab^*tch = 1.0, 0.0, 0.0$
 $lab^*nch = 0.0, 0.0, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 1.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, 0.0$

relative Inform. Technology (IT)
 $olv3^* = 0.75, 0.75, 0.75, 1.0$
 $cmyn3^* = 0.25, 0.25, 0.25, 0.0$
 $olv4^* = 1.0, 1.0, 1.0, 0.75$
 $cmyn4^* = 0.0, 0.0, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 76.07, 0.0, 0.0$
 $LAB^*TCh = 75.0, 0.01$

relative CIELAB lab*
 $lab^*lab = 0.75, 0.0, 0.0$
 $lab^*tch = 0.75, 0.0, 0.0$
 $lab^*nch = 0.0, 0.0, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.75, 0.0, 0.0$
 $lab^*tce = 0.25, 0.0, 0.0$

relative Inform. Technology (IT)
 $olv3^* = 0.5, 0.5, 0.5, 1.0$
 $cmyn3^* = 0.5, 0.5, 0.5, 0.0$
 $olv4^* = 1.0, 1.0, 1.0, 0.5$
 $cmyn4^* = 0.0, 0.0, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 46.72, 0.0, 0.0$
 $LAB^*TCh = 50.0, 0.01$

relative CIELAB lab*
 $lab^*lab = 0.5, 0.0, 0.0$
 $lab^*tch = 0.5, 0.0, 0.0$
 $lab^*nch = 0.0, 0.0, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.5, 0.0, 0.0$
 $lab^*tce = 0.5, 0.0, 0.0$

relative Inform. Technology (IT)
 $olv3^* = 0.25, 0.25, 0.25, 1.0$
 $cmyn3^* = 0.75, 0.75, 0.75, 0.0$
 $olv4^* = 1.0, 1.0, 1.0, 0.25$
 $cmyn4^* = 0.0, 0.0, 0.0, 0.75$
 standard and adapted CIELAB
 $LAB^*LAB = 23.37, 0.0, 0.0$
 $LAB^*TCh = 25.0, 0.01$

relative CIELAB lab*
 $lab^*lab = 0.25, 0.0, 0.0$
 $lab^*tch = 0.25, 0.0, 0.0$
 $lab^*nch = 0.0, 0.0, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.25, 0.0, 0.0$
 $lab^*tce = 0.75, 0.0, 0.0$

relative Inform. Technology (IT)
 $olv3^* = 0.0, 0.0, 0.0, 1.0$
 $cmyn3^* = 1.0, 1.0, 1.0, 0.0$
 $olv4^* = 1.0, 1.0, 1.0, 0.0$
 $cmyn4^* = 0.0, 0.0, 0.0, 1.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.03, 0.0, 0.0$
 $LAB^*TCh = 0.01, 0.01$

relative CIELAB lab*
 $lab^*lab = 0.0, 0.0, 0.0$
 $lab^*tch = 0.0, 0.0, 0.0$
 $lab^*nch = 0.0, 0.0, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0, 0.0, 0.0$
 $lab^*tce = 1.0, 0.0, 0.0$

$n^* = 1, 0$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
 $olv3^* = 1.0, 0.5, 0.5, 1.0$
 $cmyn3^* = 0.0, 0.5, 0.5, 0.0$
 $olv4^* = 1.0, 0.5, 0.5, 1.0$
 $cmyn4^* = 0.0, 0.5, 0.5, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 74.08, 35.81, 24.94$
 $LAB^*TCh = 75.0, 43.63, 34.85$

relative CIELAB lab*
 $lab^*lab = 0.724, 0.41, 0.286$
 $lab^*tch = 0.75, 0.5, 0.097$
 $lab^*nch = 0.0, 0.5, 0.097$
 relative Natural Colour (NC)
 $lab^*trj = 0.724, 0.488, 0.109$
 $lab^*tce = 0.0, 0.5, 0.035$

relative Inform. Technology (IT)
 $olv3^* = 0.75, 0.5, 0.5, 1.0$
 $cmyn3^* = 0.25, 0.5, 0.5, 0.0$
 $olv4^* = 1.0, 0.5, 0.5, 0.75$
 $cmyn4^* = 0.0, 0.25, 0.25, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 65.4, 17.91, 12.47$
 $LAB^*TCh = 62.5, 21.82, 34.85$

relative CIELAB lab*
 $lab^*lab = 0.612, 0.205, 0.143$
 $lab^*tch = 0.625, 0.25, 0.097$
 $lab^*nch = 0.25, 0.25, 0.097$
 relative Natural Colour (NC)
 $lab^*trj = 0.612, 0.244, 0.055$
 $lab^*tce = 0.25, 0.25, 0.035$

relative Inform. Technology (IT)
 $olv3^* = 0.5, 0.25, 0.25, 1.0$
 $cmyn3^* = 0.5, 0.25, 0.25, 0.0$
 $olv4^* = 1.0, 0.25, 0.25, 0.5$
 $cmyn4^* = 0.0, 0.25, 0.25, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 54.74, 35.82, 24.94$
 $LAB^*TCh = 50.0, 43.63, 34.85$

relative CIELAB lab*
 $lab^*lab = 0.474, 0.41, 0.286$
 $lab^*tch = 0.5, 0.5, 0.097$
 $lab^*nch = 0.25, 0.5, 0.097$
 relative Natural Colour (NC)
 $lab^*trj = 0.474, 0.488, 0.109$
 $lab^*tce = 0.5, 0.5, 0.035$

relative Inform. Technology (IT)
 $olv3^* = 0.5, 0.0, 0.0, 1.0$
 $cmyn3^* = 0.5, 1.0, 1.0, 0.0$
 $olv4^* = 1.0, 0.5, 0.5, 0.5$
 $cmyn4^* = 0.0, 0.5, 0.5, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 35.39, 35.81, 24.94$
 $LAB^*TCh = 25.01, 43.63, 34.85$

relative CIELAB lab*
 $lab^*lab = 0.225, 0.41, 0.286$
 $lab^*tch = 0.25, 0.5, 0.097$
 $lab^*nch = 0.5, 0.5, 0.097$
 relative Natural Colour (NC)
 $lab^*trj = 0.225, 0.488, 0.109$
 $lab^*tce = 0.25, 0.5, 0.035$

$n^* = 0,50$

TLS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
 $olv3^* = 1.0, 0.5, 0.5, 1.0$
 $cmyn3^* = 0.0, 0.5, 0.5, 0.0$
 $olv4^* = 1.0, 0.5, 0.5, 1.0$
 $cmyn4^* = 0.0, 0.5, 0.5, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 63.42, 33.72, 37.41$
 $LAB^*TCh = 62.5, 65.46, 34.85$

relative CIELAB lab*
 $lab^*lab = 0.587, 0.615, 0.429$
 $lab^*tch = 0.625, 0.75, 0.097$
 $lab^*nch = 0.0, 0.75, 0.097$
 relative Natural Colour (NC)
 $lab^*trj = 0.587, 0.615, 0.429$
 $lab^*tce = 0.625, 0.75, 0.035$

relative Inform. Technology (IT)
 $olv3^* = 1.0, 0.25, 0.25, 1.0$
 $cmyn3^* = 0.0, 0.75, 0.75, 0.0$
 $olv4^* = 1.0, 0.25, 0.25, 1.0$
 $cmyn4^* = 0.0, 0.75, 0.75, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 52.76, 71.62, 49.87$
 $LAB^*TCh = 50.0, 87.27, 34.85$

relative CIELAB lab*
 $lab^*lab = 0.449, 0.82, 0.571$
 $lab^*tch = 0.5, 1.0, 0.097$
 $lab^*nch = 0.0, 1.0, 0.097$
 relative Natural Colour (NC)
 $lab^*trj = 0.449, 0.976, 0.218$
 $lab^*tce = 0.5, 1.0, 0.035$

relative Inform. Technology (IT)
 $olv3^* = 0.75, 0.0, 0.0, 1.0$
 $cmyn3^* = 0.25, 1.0, 1.0, 0.0$
 $olv4^* = 1.0, 0.25, 0.25, 0.75$
 $cmyn4^* = 0.0, 0.25, 0.25, 0.75$
 standard and adapted CIELAB
 $LAB^*LAB = 35.39, 35.81, 24.94$
 $LAB^*TCh = 25.01, 43.63, 34.85$

relative CIELAB lab*
 $lab^*lab = 0.337, 0.615, 0.429$
 $lab^*tch = 0.375, 0.75, 0.097$
 $lab^*nch = 0.25, 0.75, 0.097$
 relative Natural Colour (NC)
 $lab^*trj = 0.337, 0.615, 0.429$
 $lab^*tce = 0.375, 0.75, 0.035$

relative Inform. Technology (IT)
 $olv3^* = 0.5, 0.0, 0.0, 1.0$
 $cmyn3^* = 0.5, 1.0, 1.0, 0.0$
 $olv4^* = 1.0, 0.5, 0.5, 0.5$
 $cmyn4^* = 0.0, 0.5, 0.5, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 18.03, 18.03, 0.0$
 $LAB^*TCh = 0.01, 0.01$

relative CIELAB lab*
 $lab^*lab = 0.112, 0.205, 0.143$
 $lab^*tch = 0.125, 0.25, 0.097$
 $lab^*nch = 0.75, 0.25, 0.097$
 relative Natural Colour (NC)
 $lab^*trj = 0.112, 0.244, 0.055$
 $lab^*tce = 0.125, 0.25, 0.035$

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

5 step scales for constant CIELAB hue 35/360 = 0.097 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 30/360 = 0.083$

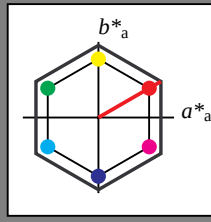
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCHa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCHa	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCHa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	63.61	41.3	23.85
LAB*LABa	63.61	41.3	23.85
LAB*TCHa	75.0	47.69	30.0

relative CIELAB lab*

lab*lab	0.833	0.216	0.125
lab*tch	0.875	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.833	0.248	0.027
lab*tce	0.25	0.25	0.061
lab*nce	0.0	0.25	0.061

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	38.76	41.3	23.85
LAB*LABa	38.76	41.3	23.85
LAB*TCHa	50.0	47.7	30.0

relative CIELAB lab*

lab*lab	0.583	0.217	0.125
lab*tch	0.625	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.583	0.248	0.027
lab*tce	0.25	0.25	0.061
lab*nce	0.0	0.25	0.061

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	19.38	41.3	23.85
LAB*LABa	19.38	41.3	23.85
LAB*TCHa	25.0	47.69	30.0

relative CIELAB lab*

lab*lab	0.417	0.433	0.25
lab*tch	0.458	0.5	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.417	0.497	0.053
lab*tce	0.25	0.5	0.061
lab*nce	0.0	0.5	0.061

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	15.92	41.3	23.85
LAB*LABa	15.92	41.3	23.85
LAB*TCHa	25.0	47.69	30.0

relative CIELAB lab*

lab*lab	0.167	0.433	0.25
lab*tch	0.25	0.5	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.167	0.497	0.053
lab*tce	0.25	0.5	0.061
lab*nce	0.0	0.5	0.061

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 30/360 = 0.083$

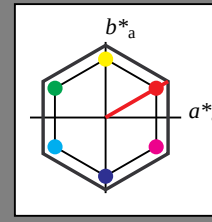
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCHa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCHa	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCHa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	63.61	41.3	23.85
LAB*LABa	63.61	41.3	23.85
LAB*TCHa	75.0	47.69	30.0

relative CIELAB lab*

lab*lab	0.833	0.216	0.125
lab*tch	0.875	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.833	0.248	0.027
lab*tce	0.25	0.25	0.061
lab*nce	0.0	0.25	0.061

relative Inform. Technology (IT)				
olvi3*	0.75	0.25	0.25	(1.0)
cmyn3*	0.25	0.75	0.75	(0.0)
olvi4*	1.0	0.5	0.5	0.75
cmyn4*	0.0	0.5	0.5	0.25
standard and adapted CIELAB				
LAB*LAB	39.76	41.31	23.85	
LAB*LABa	39.76	41.31	23.85	
LAB*TCha	50.0	47.7	30.0	
relative CIELAB lab*				
lab*lab	0.417	0.433	0.25	
lab*tch	0.25	0.25	0.083	
lab*lab	0.25	0.25	0.083	
relative Natural Colour (NC)				
lab*lrj	0.417	0.497	0.053	
lab*tce	0.5	0.5	0.017	
lab*nce	0.25	0.5	0.06	

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 30/360 = 0.083$

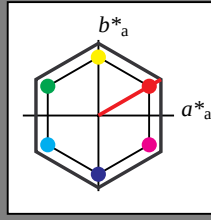
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCHa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCHa	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCHa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	63.61	41.3	23.85
LAB*LABa	63.61	41.3	23.85
LAB*TCHa	75.0	47.69	30.0

relative CIELAB lab*

lab*lab	0.667	0.433	0.25
lab*tch	0.75	0.5	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.667	0.497	0.053
lab*tce	0.5	0.5	0.017
lab*nce	0.0	0.5	0.061

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.25	(1.0)
cmyn3*	0.25	0.75	0.75	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	38.76	41.3	23.85
LAB*LABa	38.76	41.3	23.85
LAB*TCHa	50.0	47.69	30.0

relative CIELAB lab*

lab*lab	0.417	0.433	0.25
lab*tch	0.5	0.5	0.083
lab*nch	0.25	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.417	0.497	0.053
lab*tce	0.5	0.5	0.017
lab*nce	0.25	0.5	0.061

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	15.92	41.3	23.85
LAB*LABa	15.92	41.3	23.85
LAB*TCHa	25.01	47.69	30.0

relative CIELAB lab*

lab*lab	0.167	0.433	0.25
lab*tch	0.25	0.5	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.167	0.497	0.053
lab*tce	0.25	0.5	0.017
lab*nce	0.0	0.5	0.061

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	7.97	20.65	11.92
LAB*LABa	7.97	20.65	11.92
LAB*TCHa	12.5	23.84	30.0

relative CIELAB lab*

lab*lab	0.083	0.216	0.125
lab*tch	0.125	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.083	0.248	0.027
lab*tce	0.125	0.25	0.017
lab*nce	0.0	0.25	0.061

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	1.0	0.25	0.25	(1.0)
cmyn3*	0.0	0.75	0.75	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	47.71	61.96	35.77
LAB*LABa	47.71	61.96	35.77
LAB*TCHa	62.5	71.54	30.0

relative CIELAB lab*

lab*lab	0.5	0.649	0.375
lab*tch	0.625	0.75	0.083
lab*nch	0.0	0.75	0.083

relative Natural Colour (NC)

lab*trj	0.5	0.746	0.08
lab*tce	0.625	0.75	0.017
lab*nce	0.0	0.75	0.061

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.0	(1.0)
cmyn3*	0.25	1.0	1.0	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	31.81	82.6	47.69
LAB*LABa	31.81	82.6	47.69
LAB*TCHa	50.0	95.38	30.0

relative CIELAB lab*

lab*lab	0.333	0.866	0.5
lab*tch	0.5	1.0	0.083
lab*nch	0.0	1.0	0.083

relative Natural Colour (NC)

lab*trj	0.333	0.984	0.106
lab*tce	0.5	1.0	0.017
lab*nce	0.0	1.0	0.061

$n^* = 0,00$

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCHa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

$n^* = 0,25$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

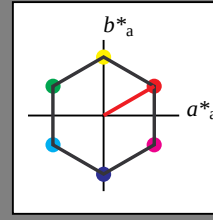
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 30/360 = 0.083$

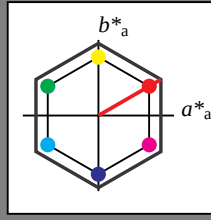
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

blackness n^*

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,25$

0,50

blackness n^*

$n^* = 0,50$

0,75

blackness n^*

$n^* = 1,0$

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 30/360 = 0.083$

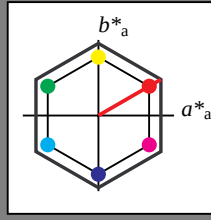
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

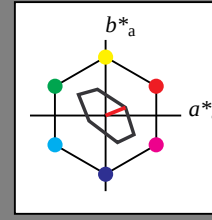
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

5 step scales for constant CIELAB hue 22/360 = 0.061 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

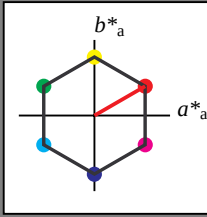
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	82.51	16.75	9.67
LAB*LABa	82.51	16.75	9.67
LAB*LABb	87.5	19.34	30.0

relative CIELAB lab*

lab*lab	0.833	0.216	0.125
lab*tch	0.875	0.25	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.833	0.249	0.027
lab*tce	0.25	0.25	0.017
lab*nce	0.0	0.25	0.06

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	63.16	16.76	9.68
LAB*LABa	63.16	16.76	9.68
LAB*LABb	62.5	19.35	30.0

relative CIELAB lab*

lab*lab	0.583	0.217	0.125
lab*tch	0.625	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.583	0.249	0.027
lab*tce	0.625	0.25	0.017
lab*nce	0.25	0.25	0.06

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.5	0.75	0.75	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	50.26	33.52	19.35
LAB*LABa	50.26	33.52	19.35
LAB*LABb	50.0	38.7	30.0

relative CIELAB lab*

lab*lab	0.417	0.433	0.25
lab*tch	0.45	0.5	0.083
lab*nch	0.25	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.417	0.497	0.053
lab*tce	0.5	0.5	0.017
lab*nce	0.25	0.5	0.06

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	30.92	33.51	19.35
LAB*LABa	30.92	33.51	19.35
LAB*LABb	25.01	38.69	30.0

relative CIELAB lab*

lab*lab	0.167	0.433	0.25
lab*tch	0.25	0.5	0.083
lab*nch	0.5	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.167	0.497	0.053
lab*tce	0.25	0.5	0.017
lab*nce	0.5	0.5	0.06

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	69.61	33.51	19.35
LAB*LABa	69.61	33.51	19.35
LAB*LABb	75.0	38.69	30.0

relative CIELAB lab*

lab*lab	0.667	0.433	0.25
lab*tch	0.75	0.5	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.667	0.497	0.053
lab*tce	0.5	0.5	0.017
lab*nce	0.0	0.5	0.06

relative Inform. Technology (IT)

olvi3*	1.0	0.25	0.25	(1.0)
cmyn3*	0.0	0.75	0.75	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	50.27	29.02
LAB*LABa	56.71	50.27	29.02
LAB*LABb	62.5	58.04	30.0

relative CIELAB lab*

lab*lab	0.5	0.649	0.375
lab*tch	0.625	0.75	0.083
lab*nch	0.0	0.75	0.083

relative Natural Colour (NC)

lab*trj	0.5	0.746	0.08
lab*tce	0.625	0.75	0.017
lab*nce	0.0	0.75	0.06

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.0	(1.0)
cmyn3*	0.25	1.0	1.0	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	43.81	67.02	38.69
LAB*LABa	43.81	67.02	38.69
LAB*LABb	50.0	77.38	30.0

relative CIELAB lab*

lab*lab	0.333	0.866	0.5
lab*tch	0.5	1.0	0.083
lab*nch	0.0	1.0	0.083

relative Natural Colour (NC)

lab*trj	0.333	0.984	0.106
lab*tce	0.5	1.0	0.017
lab*nce	0.0	1.0	0.06

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	50.27	29.02
LAB*LABa	37.37	50.27	29.02
LAB*LABb	37.51	58.04	30.0

relative CIELAB lab*

lab*lab	0.25	0.649	0.375
lab*tch	0.375	0.75	0.083
lab*nch	0.0	0.75	0.083

relative Natural Colour (NC)

lab*trj	0.25	0.746	0.08
lab*tce	0.375	0.75	0.017
lab*nce	0.25	0.75	0.06

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	24.47	16.75	9.67
LAB*LABa	24.47	16.75	9.67
LAB*LABb	12.5	19.34	30.0

relative CIELAB lab*

lab*lab	0.083	0.216	0.125
lab*tch	0.125	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.083	0.249	0.027
lab*tce	0.125	0.25	0.017
lab*nce	0.0	0.25	0.06

$n^* = 0,25$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

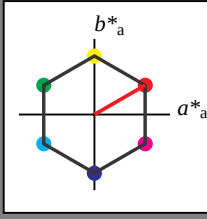
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	0.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	0.0	
lab*nce	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	0.0	
lab*nce	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	0.0	
lab*nce	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	0.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.51	16.75	9.67	
LAB*LABa	82.51	16.75	9.67	
LAB*TCRa	87.5	19.34	30.0	
relative CIELAB lab*				
lab*lab	0.833	0.216	0.125	
lab*tch	0.875	0.25	0.083	
lab*nch	0.0	0.25	0.083	
relative Natural Colour (NC)				
lab*trj	0.833	0.249	0.027	
lab*tce	0.25	0.25	0.017	
lab*nce	0.0	0.25	0.06	

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	63.16	16.76	9.68	
LAB*LABa	63.16	16.76	9.68	
LAB*TCRa	62.5	19.35	30.0	
relative CIELAB lab*				
lab*lab	0.583	0.217	0.125	
lab*tch	0.625	0.25	0.083	
lab*nch	0.0	0.25	0.083	
relative Natural Colour (NC)				
lab*trj	0.583	0.249	0.027	
lab*tce	0.625	0.25	0.017	
lab*nce	0.0	0.25	0.06	

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.5	0.75	0.75	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	43.81	16.76	9.68	
LAB*LABa	43.81	16.76	9.68	
LAB*TCRa	37.5	19.35	30.0	
relative CIELAB lab*				
lab*lab	0.333	0.217	0.125	
lab*tch	0.375	0.25	0.083	
lab*nch	0.0	0.25	0.083	
relative Natural Colour (NC)				
lab*trj	0.333	0.249	0.027	
lab*tce	0.375	0.25	0.017	
lab*nce	0.0	0.25	0.06	

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	24.47	16.75	9.67	
LAB*LABa	24.47	16.75	9.67	
LAB*TCRa	12.5	19.34	30.0	
relative CIELAB lab*				
lab*lab	0.083	0.216	0.125	
lab*tch	0.125	0.25	0.083	
lab*nch	0.0	0.25	0.083	
relative Natural Colour (NC)				
lab*trj	0.083	0.249	0.027	
lab*tce	0.125	0.25	0.017	
lab*nce	0.0	0.25	0.06	

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.61	33.51	19.35	
LAB*LABa	69.61	33.51	19.35	
LAB*TCRa	75.0	36.69	30.0	
relative CIELAB lab*				
lab*lab	0.667	0.433	0.25	
lab*tch	0.75	0.5	0.083	
lab*nch	0.0	0.5	0.083	
relative Natural Colour (NC)				
lab*trj	0.667	0.497	0.053	
lab*tce	0.75	0.5	0.017	
lab*nce	0.0	0.5	0.06	

relative Inform. Technology (IT)				
olvi3*	1.0	0.25	0.25	(1.0)
cmyn3*	0.25	0.75	0.75	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	50.26	33.52	19.35	
LAB*LABa	50.26	33.52	19.35	
LAB*TCRa	50.0	36.67	30.0	
relative CIELAB lab*				
lab*lab	0.417	0.433	0.25	
lab*tch	0.5	0.5	0.083	
lab*nch	0.0	0.5	0.083	
relative Natural Colour (NC)				
lab*trj	0.417	0.497	0.053	
lab*tce	0.5	0.5	0.017	
lab*nce	0.0	0.5	0.06	

relative Inform. Technology (IT)				
olvi3*	0.75	0.0	0.0	(1.0)
cmyn3*	0.25	1.0	1.0	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	30.92	33.51	19.35	
LAB*LABa	30.92	33.51	19.35	
LAB*TCRa	25.01	36.69	30.0	
relative CIELAB lab*				
lab*lab	0.167	0.433	0.25	
lab*tch	0.25	0.5	0.083	
lab*nch	0.0	0.5	0.083	
relative Natural Colour (NC)				
lab*trj	0.167	0.497	0.053	
lab*tce	0.25	0.5	0.017	
lab*nce	0.0	0.5	0.06	

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	30.92	33.51	19.35	
LAB*LABa	30.92	33.51	19.35	
LAB*TCRa	25.01	36.69	30.0	
relative CIELAB lab*				
lab*lab	0.167	0.433	0.25	
lab*tch	0.25	0.5	0.083	
lab*nch	0.0	0.5	0.083	
relative Natural Colour (NC)				
lab*trj	0.167	0.497	0.053	
lab*tce	0.25	0.5	0.017	
lab*nce	0.0	0.5	0.06	

%Regul	
$\mathbf{g}^*_{H,rel}$	=
$\mathbf{g}^*_{C,rel}$	=

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

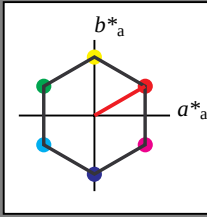
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 37/360 = 0.103$

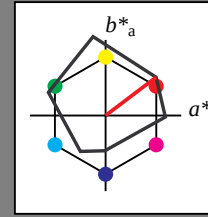
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.11 2.58
LAB*LABa 96.31 0.11 2.58
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 0.44 2.45
LAB*LABa 76.38 0.44 2.45
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 0.76 2.32
LAB*LABa 56.44 0.76 2.32
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 1.09 2.19
LAB*LABa 36.5 1.09 2.19
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.26 32.84 27.71
LAB*LABa 69.26 32.84 27.71
LAB*TCHa 41.9 37.14

relative CIELAB lab*
lab*lab 0.661 0.399 0.302
lab*tch 0.75 0.5 0.103
lab*nch 0.0 0.5 0.103
relative Natural Colour (NC)
lab*trj 0.661 0.475 0.155
lab*tce 0.0 0.5 0.103
lab*nce 0.0 0.5 0.103

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.32 32.53 27.58
LAB*LABa 49.32 32.53 27.58
LAB*TCHa 50.0 41.9 37.14

relative CIELAB lab*
lab*lab 0.491 0.713 0.233
lab*tch 0.625 0.75 0.103
lab*nch 0.0 0.75 0.103
relative Natural Colour (NC)
lab*trj 0.491 0.713 0.233
lab*tce 0.625 0.75 0.103
lab*nce 0.0 0.75 0.103

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 1.09 2.19
LAB*LABa 36.5 1.09 2.19
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

5 step scales for constant CIELAB hue 37/360 = 0.103 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

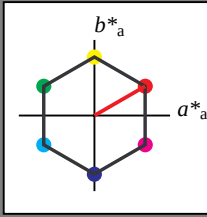
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	82.51	16.75	9.67
LAB*LABa	82.51	16.75	9.67
LAB*LABb	87.5	19.34	30.0

relative CIELAB lab*

lab*lab	0.833	0.216	0.125
lab*tch	0.875	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.833	0.249	0.027
lab*tce	0.25	0.25	0.017
lab*nce	0.0	0.25	0.06

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	63.16	16.76	9.68
LAB*LABa	63.16	16.76	9.68
LAB*LABb	62.5	19.35	30.0

relative CIELAB lab*

lab*lab	0.583	0.217	0.125
lab*tch	0.625	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.583	0.249	0.027
lab*tce	0.625	0.25	0.017
lab*nce	0.25	0.25	0.06

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.5	0.75	0.75	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	43.81	16.76	9.68
LAB*LABa	43.81	16.76	9.68
LAB*LABb	37.5	19.35	30.0

relative CIELAB lab*

lab*lab	0.333	0.217	0.125
lab*tch	0.375	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.333	0.249	0.027
lab*tce	0.375	0.25	0.017
lab*nce	0.25	0.25	0.06

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	24.47	16.75	9.67
LAB*LABa	24.47	16.75	9.67
LAB*LABb	12.5	19.34	30.0

relative CIELAB lab*

lab*lab	0.083	0.216	0.125
lab*tch	0.125	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.083	0.249	0.027
lab*tce	0.125	0.25	0.017
lab*nce	0.25	0.25	0.06

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 0,25$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	69.61	33.51	19.35
LAB*LABa	69.61	33.51	19.35
LAB*LABb	75.0	36.69	30.0

relative CIELAB lab*

lab*lab	0.667	0.433	0.25
lab*tch	0.75	0.5	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.667	0.497	0.053
lab*tce	0.75	0.5	0.017
lab*nce	0.0	0.5	0.06

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.25	(1.0)
cmyn3*	0.25	0.75	0.75	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	50.26	33.52	19.35
LAB*LABa	50.26	33.52	19.35
LAB*LABb	50.0	38.7	30.0

relative CIELAB lab*

lab*lab	0.417	0.433	0.25
lab*tch	0.5	0.5	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.417	0.497	0.053
lab*tce	0.5	0.5	0.017
lab*nce	0.25	0.5	0.06

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	30.92	33.51	19.35
LAB*LABa	30.92	33.51	19.35
LAB*LABb	25.01	38.69	30.0

relative CIELAB lab*

lab*lab	0.167	0.433	0.25
lab*tch	0.25	0.5	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.167	0.497	0.053
lab*tce	0.25	0.5	0.017
lab*nce	0.5	0.5	0.06

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	16.75	33.51	19.35
LAB*LABa	16.75	33.51	19.35
LAB*LABb	12.5	38.69	30.0

relative CIELAB lab*

lab*lab	0.083	0.433	0.25
lab*tch	0.125	0.5	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.083	0.497	0.053
lab*tce	0.125	0.5	0.017
lab*nce	0.25	0.5	0.06

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	1.0	0.25	0.25	(1.0)
cmyn3*	0.0	0.75	0.75	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	50.27	29.02
LAB*LABa	56.71	50.27	29.02
LAB*LABb	62.5	58.04	30.0

relative CIELAB lab*

lab*lab	0.5	0.649	0.375
lab*tch	0.625	0.75	0.083
lab*nch	0.0	0.75	0.083

relative Natural Colour (NC)

lab*trj	0.5	0.746	0.08
lab*tce	0.625	0.75	0.017
lab*nce	0.0	0.75	0.06

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.0	(1.0)
cmyn3*	0.25	1.0	1.0	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	43.81	67.02	38.69
LAB*LABa	43.81	67.02	38.69
LAB*LABb	50.0	77.38	30.0

relative CIELAB lab*

lab*lab	0.333	0.666	0.5
lab*tch	0.5	1.0	0.083
lab*nch	0.0	1.0	0.083

relative Natural Colour (NC)

lab*trj	0.333	0.984	0.106
lab*tce	0.5	1.0	0.017
lab*nce	0.0	1.0	0.06

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	50.27	29.02
LAB*LABa	37.37	50.27	29.02
LAB*LABb	37.5	58.04	30.0

relative CIELAB lab*

lab*lab	0.5	0.667	0.5
lab*tch	0.5	1.0	0.083
lab*nch	0.0	1.0	0.083

relative Natural Colour (NC)

lab*trj	0.5	0.984	0.106
lab*tce	0.5	1.0	0.017
lab*nce	0.0	1.0	0.06

relative Inform. Technology (IT)

ol

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

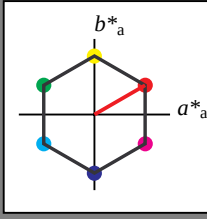
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 30/360 = 0.083$

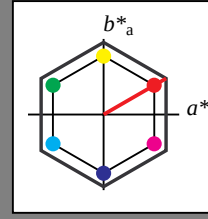
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

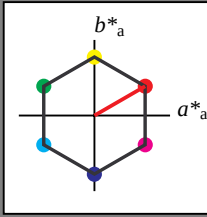
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

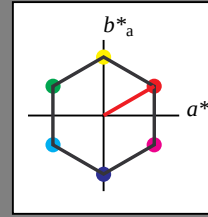
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.75 \ 0.75 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.25 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 82.51 \ 16.75 \ 9.67$
 $LAB^*TCha \ 87.5 \ 19.34 \ 30.0$

relative CIELAB lab*
 $lab^*lab \ 0.833 \ 0.216 \ 0.125$
 $lab^*tch \ 0.875 \ 0.25 \ 0.083$
 $lab^*nch \ 0.0 \ 0.25 \ 0.083$
 relative Natural Colour (NC)
 $lab^*trj \ 0.833 \ 0.248 \ 0.027$
 $lab^*tce \ 0.833 \ 0.248 \ 0.017$
 $lab^*nce \ 0.0 \ 0.25 \ 0.06$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.25 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 63.16 \ 16.76 \ 9.68$
 $LAB^*TCha \ 62.5 \ 19.35 \ 30.0$

relative CIELAB lab*
 $lab^*lab \ 0.583 \ 0.217 \ 0.125$
 $lab^*tch \ 0.625 \ 0.25 \ 0.083$
 $lab^*nch \ 0.25 \ 0.25 \ 0.083$
 relative Natural Colour (NC)
 $lab^*trj \ 0.583 \ 0.248 \ 0.027$
 $lab^*tce \ 0.625 \ 0.25 \ 0.017$
 $lab^*nce \ 0.25 \ 0.25 \ 0.06$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.25 \ 0.25 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.25 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.583 \ 0.217 \ 0.125$
 $lab^*tch \ 0.583 \ 0.25 \ 0.083$
 $lab^*nch \ 0.25 \ 0.25 \ 0.083$
 relative Natural Colour (NC)
 $lab^*trj \ 0.583 \ 0.248 \ 0.027$
 $lab^*tce \ 0.583 \ 0.248 \ 0.017$
 $lab^*nce \ 0.25 \ 0.25 \ 0.06$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.75 \ 0.75 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.25 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.333 \ 0.217 \ 0.125$
 $lab^*tch \ 0.375 \ 0.25 \ 0.083$
 $lab^*nch \ 0.5 \ 0.25 \ 0.083$
 relative Natural Colour (NC)
 $lab^*trj \ 0.333 \ 0.248 \ 0.027$
 $lab^*tce \ 0.375 \ 0.25 \ 0.017$
 $lab^*nce \ 0.5 \ 0.25 \ 0.06$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

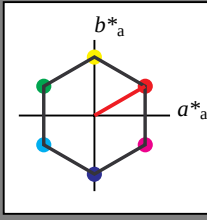
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	69.61	33.51	19.35
LAB*LABa	69.61	33.51	19.35
LAB*LABb	75.0	36.69	30.0

relative CIELAB lab*

lab*lab	0.833	0.216	0.125
lab*tch	0.875	0.25	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.833	0.249	0.027
lab*tce	0.25	0.25	0.017
lab*nce	0.0	0.25	0.06

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	50.26	33.52	19.35
LAB*LABa	50.26	33.52	19.35
LAB*LABb	50.0	38.7	30.0

relative CIELAB lab*

lab*lab	0.583	0.217	0.125
lab*tch	0.625	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.583	0.249	0.027
lab*tce	0.625	0.25	0.017
lab*nce	0.0	0.25	0.06

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	30.92	33.51	19.35
LAB*LABa	30.92	33.51	19.35
LAB*LABb	25.01	38.69	30.0

relative CIELAB lab*

lab*lab	0.417	0.433	0.25
lab*tch	0.458	0.5	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.417	0.497	0.053
lab*tce	0.458	0.5	0.017
lab*nce	0.0	0.5	0.06

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	33.51	19.35
LAB*LABa	18.03	33.51	19.35
LAB*LABb	0.01	38.69	30.0

relative CIELAB lab*

lab*lab	0.167	0.433	0.25
lab*tch	0.25	0.5	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.167	0.497	0.053
lab*tce	0.25	0.5	0.017
lab*nce	0.0	0.5	0.06

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

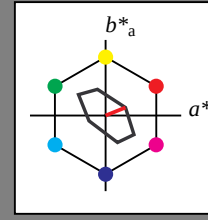
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*LABb	50.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	61.13	0.0	0.0
LAB*LABa	61.13	0.0	0.0
LAB*LABb	25.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

blackness n^*

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	h^*_{ab}
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

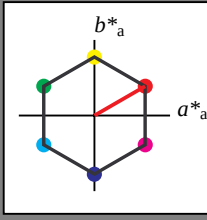
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 33.51 19.35
LAB*LABa 76.06 33.51 19.35
LAB*TCRa 75.0 36.69 30.0

relative CIELAB lab*
lab*lab 0.75 0.433 0.25
lab*tch 0.75 0.5 0.083
lab*nch 0.0 0.5 0.083
relative Natural Colour (NC)
lab*trj 0.75 0.497 0.053
lab*tce 0.5 0.2 0.017
lab*nce 0.0 0.5 0.061

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.25 (1.0)
cmyn3* 0.25 0.75 0.75 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 33.52 19.35
LAB*LABa 56.71 33.52 19.35
LAB*TCRa 50.0 38.7 30.0

relative CIELAB lab*
lab*lab 0.5 0.433 0.25
lab*tch 0.5 0.5 0.083
lab*nch 0.0 0.5 0.083
relative Natural Colour (NC)
lab*trj 0.5 0.497 0.053
lab*tce 0.5 0.2 0.017
lab*nce 0.0 0.5 0.061

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 1.0 1.0 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 33.51 19.35
LAB*LABa 37.36 33.51 19.35
LAB*TCRa 25.01 38.69 30.0

relative CIELAB lab*
lab*lab 0.25 0.433 0.25
lab*tch 0.25 0.5 0.083
lab*nch 0.0 0.5 0.083
relative Natural Colour (NC)
lab*trj 0.25 0.497 0.053
lab*tce 0.25 0.2 0.017
lab*nce 0.0 0.5 0.061

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.25 1.0 1.0 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 33.51 19.35
LAB*LABa 18.03 33.51 19.35
LAB*TCRa 0.01 38.69 30.0

relative CIELAB lab*
lab*lab 0.0 0.433 0.25
lab*tch 0.0 0.5 0.083
lab*nch 0.0 0.5 0.083
relative Natural Colour (NC)
lab*trj 0.0 0.497 0.053
lab*tce 0.0 0.2 0.017
lab*nce 0.0 0.5 0.061

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,75

$n^* = 0,00$

0,25

blackness n^*

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

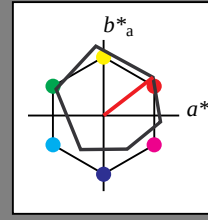
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.88 4.75
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 71.67 32.15 28.41
LAB*LABa 71.67 32.69 25.25
LAB*TCRa 75.0 41.31 37.69

relative CIELAB lab*
lab*lab 0.693 0.396 0.306
lab*tch 0.75 0.5 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*trj 0.693 0.477 0.15
lab*tce 0.5 0.2 0.048
lab*nce 0.0 0.5 0.151

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 52.33 32.53 27.11
LAB*LABa 52.33 32.69 25.26
LAB*TCRa 50.0 41.31 37.69

relative CIELAB lab*
lab*lab 0.54 0.593 0.458
lab*tch 0.625 0.75 0.105
lab*nch 0.0 0.75 0.105
relative Natural Colour (NC)
lab*trj 0.54 0.716 0.224
lab*tce 0.625 0.75 0.151
lab*nce 0.0 0.75 0.151

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.75 0.75 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 32.98 32.9 25.8
LAB*LABa 32.98 32.69 25.25
LAB*TCRa 25.01 41.31 37.69

relative CIELAB lab*
lab*lab 0.443 0.396 0.306
lab*tch 0.5 0.5 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*trj 0.443 0.477 0.15
lab*tce 0.5 0.2 0.048
lab*nce 0.0 0.5 0.151

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.13 0.83
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

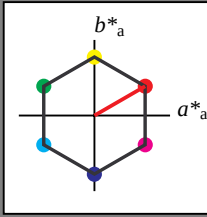
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	85.73	16.75	9.67	0.0
LAB*LABa	85.73	16.75	9.67	0.0
LAB*TCRa	87.5	19.34	30.0	0.0
relative CIELAB lab*				
lab*lab	0.875	0.216	0.125	0.0
lab*tch	0.875	0.25	0.083	0.0
lab*nch	0.0	0.25	0.083	0.0
relative Natural Colour (NC)				
lab*trj	0.875	0.248	0.027	0.0
lab*tce	0.0	0.25	0.06	0.0
lab*nce	0.0	0.25	0.06	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	66.38	16.76	9.68	0.0
LAB*LABa	66.38	16.76	9.68	0.0
LAB*TCRa	62.5	19.34	30.0	0.0
relative CIELAB lab*				
lab*lab	0.625	0.217	0.125	0.0
lab*tch	0.625	0.25	0.083	0.0
lab*nch	0.0	0.25	0.083	0.0
relative Natural Colour (NC)				
lab*trj	0.625	0.248	0.027	0.0
lab*tce	0.0	0.25	0.06	0.0
lab*nce	0.0	0.25	0.06	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.5	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.04	16.76	9.68	0.0
LAB*LABa	47.04	16.76	9.68	0.0
LAB*TCRa	37.5	19.35	30.0	0.0
relative CIELAB lab*				
lab*lab	0.375	0.217	0.125	0.0
lab*tch	0.375	0.25	0.083	0.0
lab*nch	0.0	0.25	0.083	0.0
relative Natural Colour (NC)				
lab*trj	0.375	0.248	0.027	0.0
lab*tce	0.0	0.25	0.06	0.0
lab*nce	0.0	0.25	0.06	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	27.69	16.75	9.67	0.0
LAB*LABa	27.69	16.75	9.67	0.0
LAB*TCRa	12.5	19.34	30.0	0.0
relative CIELAB lab*				
lab*lab	0.125	0.216	0.125	0.0
lab*tch	0.125	0.25	0.083	0.0
lab*nch	0.0	0.25	0.083	0.0
relative Natural Colour (NC)				
lab*trj	0.125	0.248	0.027	0.0
lab*tce	0.0	0.25	0.06	0.0
lab*nce	0.0	0.25	0.06	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

$n^* = 5,25$

$n^* = 5,50$

$n^* = 5,75$

$n^* = 6,00$

$n^* = 6,25$

$n^* = 6,50$

$n^* = 6,75$

$n^* = 7,00$

$n^* = 7,25$

$n^* = 7,50$

$n^* = 7,75$

$n^* = 8,00$

$n^* = 8,25$

$n^* = 8,50$

$n^* = 8,75$

$n^* = 9,00$

$n^* = 9,25$

$n^* = 9,50$

$n^* = 9,75$

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

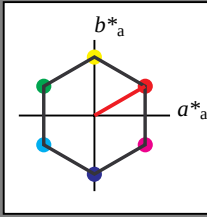
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4
LAB*LABa	56.71	67.03	38.7	77.4
LAB*LABb	56.71	67.03	38.7	77.4

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4
LAB*LABa	56.71	67.03	38.7	77.4
LAB*LABb	56.71	67.03	38.7	77.4

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4
LAB*LABa	56.71	67.03	38.7	77.4
LAB*LABb	56.71	67.03	38.7	77.4

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4
LAB*LABa	56.71	67.03	38.7	77.4
LAB*LABb	56.71	67.03	38.7	77.4

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4
LAB*LABa	56.71	67.03	38.7	77.4
LAB*LABb	56.71	67.03	38.7	77.4

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4
LAB*LABa	56.71	67.03	38.7	77.4
LAB*LABb	56.71	67.03	38.7	77.4

relative CIELAB lab*

lab*lab	0.75	0.433	0.25
lab*tch	0.75	0.433	0.25
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.75	0.433	0.25
lab*tce	0.25	0.433	0.25
lab*nce	0.25	0.433	0.25

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.25	(1.0)
cmyn3*	0.25	0.75	0.75	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4
LAB*LABa	56.71	67.03	38.7	77.4
LAB*LABb	56.71	67.03	38.7	77.4

relative CIELAB lab*

lab*lab	0.5	0.433	0.25
lab*tch	0.5	0.433	0.25
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.5	0.433	0.25
lab*tce	0.5	0.433	0.25
lab*nce	0.5	0.433	0.25

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4
LAB*LABa	56.71	67.03	38.7	77.4
LAB*LABb	56.71	67.03	38.7	77.4

relative CIELAB lab*

lab*lab	0.375	0.433	0.25
lab*tch	0.375	0.433	0.25
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.375	0.433	0.25
lab*tce	0.375	0.433	0.25
lab*nce	0.375	0.433	0.25

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4
LAB*LABa	56.71	67.03	38.7	77.4
LAB*LABb	56.71	67.03	38.7	77.4

relative CIELAB lab*

lab*lab	0.25	0.433	0.25
lab*tch	0.25	0.433	0.25
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.25	0.433	0.25
lab*tce	0.25	0.433	0.25
lab*nce	0.25	0.433	0.25

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 37/360 = 0.103$

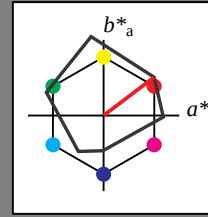
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 42 84 37

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4
LAB*LABa	56.71	67.03	38.7	77.4
LAB*LABb	56.71	67.03	38.7	77.4

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4
LAB*LABa	56.71	67.03	38.7	77.4
LAB*LABb	56.71	67.03	38.7	77.4

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4
LAB*LABa	56.71	67.03	38.7	77.4
LAB*LABb	56.71	67.03	38.7	77.4

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4
LAB*LABa	56.71	67.03	38.7	77.4
LAB*LABb	56.71	67.03	38.7	77.4

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4
LAB*LABa	56.71	67.03	38.7	77.4
LAB*LABb	56.71	67.03	38.7	77.4

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	h^*_{ab}
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

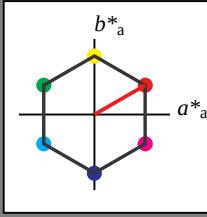
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	33.51	19.35
LAB*LABa	76.06	33.51	19.35
LAB*TCRa	75.0	36.69	30.0

relative CIELAB lab*

lab*lab	0.75	0.433	0.25
lab*tch	0.75	0.5	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.75	0.497	0.053
lab*tce	0.25	0.5	0.017
lab*nce	0.0	0.5	0.061

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.25	(1.0)
cmyn3*	0.25	0.75	0.75	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	33.52	19.35
LAB*LABa	56.71	33.52	19.35
LAB*TCRa	50.0	38.7	30.0

relative CIELAB lab*

lab*lab	0.5	0.433	0.25
lab*tch	0.5	0.5	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.5	0.497	0.053
lab*tce	0.5	0.5	0.017
lab*nce	0.25	0.5	0.061

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	33.51	19.35
LAB*LABa	37.36	33.51	19.35
LAB*TCRa	25.01	38.69	30.0

relative CIELAB lab*

lab*lab	0.25	0.433	0.25
lab*tch	0.25	0.5	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.25	0.497	0.053
lab*tce	0.25	0.5	0.017
lab*nce	0.25	0.5	0.061

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	27.69	16.75	9.67
LAB*LABa	27.69	16.75	9.67
LAB*TCRa	12.5	19.34	30.0

relative CIELAB lab*

lab*lab	0.125	0.216	0.125
lab*tch	0.125	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.125	0.248	0.027
lab*tce	0.125	0.25	0.017
lab*nce	0.125	0.25	0.061

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

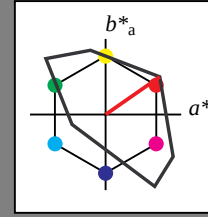
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

5 step scales for constant CIELAB hue 35/360 = 0.097 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

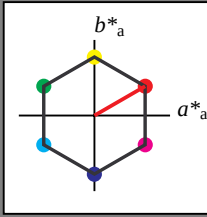
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 1.0 0.75 0.75 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 16.76 9.67
LAB*LABa 66.38 16.76 9.67
LAB*TCHa 62.5 19.34 30.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.04 16.76 9.67
LAB*LABa 47.04 16.76 9.67
LAB*TCHa 37.5 19.34 30.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 27.69 16.76 9.67
LAB*LABa 27.69 16.76 9.67
LAB*TCHa 12.5 19.34 30.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 30/360 = 0.083$

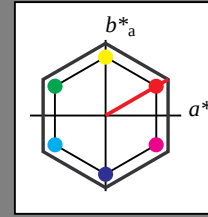
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative Inform. Technology (IT)
olvi3* 1.0 0.75 0.75 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.66 20.66 11.93
LAB*LABa 55.66 20.66 11.93
LAB*TCHa 50.0 0.02 -

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.04 16.76 9.67
LAB*LABa 47.04 16.76 9.67
LAB*TCHa 37.5 19.34 30.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 27.69 16.76 9.67
LAB*LABa 27.69 16.76 9.67
LAB*TCHa 12.5 19.34 30.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative Inform. Technology (IT)
olvi3* 1.0 0.75 0.75 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.66 20.66 11.93
LAB*LABa 55.66 20.66 11.93
LAB*TCHa 50.0 0.02 -

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.04 16.76 9.67
LAB*LABa 47.04 16.76 9.67
LAB*TCHa 37.5 19.34 30.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 27.69 16.76 9.67
LAB*LABa 27.69 16.76 9.67
LAB*TCHa 12.5 19.34 30.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

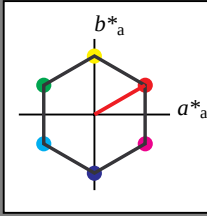
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.75	0.433	0.25
lab*tch	0.75	0.433	0.25
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.75	0.497	0.053
lab*tce	0.25	0.5	0.017
lab*nce	0.25	0.5	0.061

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.5	(1.0)
cmyn3*	0.25	0.75	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.5	0.433	0.25
lab*tch	0.5	0.433	0.25
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.5	0.497	0.053
lab*tce	0.5	0.5	0.017
lab*nce	0.5	0.5	0.061

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.5	(1.0)
cmyn3*	0.5	1.0	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.375	0.649	0.375
lab*tch	0.375	0.649	0.375
lab*nch	0.0	0.75	0.083

relative Natural Colour (NC)

lab*trj	0.375	0.746	0.08
lab*tce	0.375	0.75	0.017
lab*nce	0.375	0.75	0.061

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	0.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.25	0.433	0.25
lab*tch	0.25	0.433	0.25
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.25	0.497	0.053
lab*tce	0.75	0.5	0.017
lab*nce	0.75	0.5	0.061

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

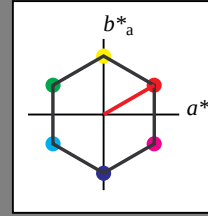
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

NRS18; adapted (a)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

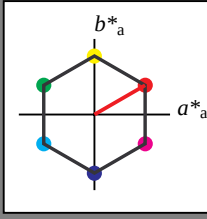
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.71 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ 0.0$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

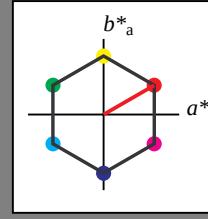
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.71 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ 0.0$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.71 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ 0.0$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 0,00$

blackness n^*

$n^* = 0,50$

0,25

chromaticness c^*

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

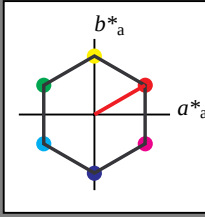
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	33.51	19.35
LAB*LABa	76.06	33.51	19.35
LAB*TCRa	75.0	38.69	30.0

relative CIELAB lab*

lab*lab	0.75	0.433	0.25
lab*tch	0.75	0.5	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.75	0.497	0.053
lab*tce	0.25	0.5	0.017
lab*nce	0.0	0.5	0.061

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.25	(1.0)
cmyn3*	0.25	0.75	0.75	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	33.52	19.35
LAB*LABa	56.71	33.52	19.35
LAB*TCRa	50.0	38.67	30.0

relative CIELAB lab*

lab*lab	0.5	0.433	0.25
lab*tch	0.5	0.5	0.083
lab*nch	0.25	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.5	0.497	0.053
lab*tce	0.5	0.5	0.017
lab*nce	0.25	0.5	0.061

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	33.51	19.35
LAB*LABa	37.36	33.51	19.35
LAB*TCRa	25.01	38.69	30.0

relative CIELAB lab*

lab*lab	0.25	0.433	0.25
lab*tch	0.25	0.5	0.083
lab*nch	0.0	0.5	0.083

relative Natural Colour (NC)

lab*trj	0.25	0.497	0.053
lab*tce	0.25	0.5	0.017
lab*nce	0.0	0.5	0.061

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	27.69	16.75	9.67
LAB*LABa	27.69	16.75	9.67
LAB*TCRa	12.5	19.34	30.0

relative CIELAB lab*

lab*lab	0.125	0.216	0.125
lab*tch	0.125	0.25	0.083
lab*nch	0.0	0.25	0.083

relative Natural Colour (NC)

lab*trj	0.125	0.249	0.027
lab*tce	0.125	0.25	0.017
lab*nce	0.0	0.25	0.061

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

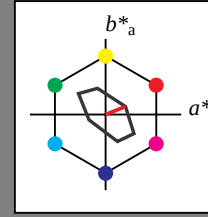
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*TCRa	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.56	0.0	0.0
LAB*LABa	62.56	0.0	0.0
LAB*TCRa	50.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.0	0.0
LAB*LABa	37.36	0.0	0.0
LAB*TCRa	25.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	85.92	13.13	5.28
LAB*LABa	85.92	13.13	5.28
LAB*TCRa	75.0	14.16	21.92

relative CIELAB lab*

lab*lab	0.815	0.232	0.093
lab*tch	0.875	0.25	0.061
lab*nch	0.0	0.25	0.061

relative Natural Colour (NC)

lab*trj	0.815	0.249	0.024
lab*tce	0.232	0.25	0.061

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

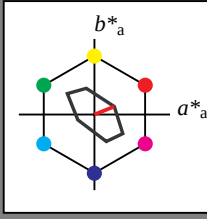
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.0 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*TCHa 75.0 0.0 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.59 0.0 0.0
LAB*LABa 82.59 0.0 0.0
LAB*TCHa 50.0 0.0 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.13 0.0 0.0
LAB*LABa 76.13 0.0 0.0
LAB*TCHa 25.0 0.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCHa 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 85.9 13.13 5.28
LAB*LABa 85.92 13.13 5.28
LAB*TCHa 75.0 14.16 21.92

relative CIELAB lab*
lab*lab 0.815 0.232 0.093
lab*tch 0.875 0.25 0.061
lab*nch 0.0 0.25 0.061
relative Natural Colour (NC)
lab*trj 0.815 0.25 -0.011
lab*tce 0.232 0.25 0.992
lab*nce 0.0 0.25 0.996

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 84.24 6.57 2.64
LAB*LABa 84.24 6.57 2.64
LAB*TCHa 75.0 14.16 21.92

relative CIELAB lab*
lab*lab 0.565 0.232 0.093
lab*tch 0.625 0.25 0.061
lab*nch 0.0 0.25 0.061
relative Natural Colour (NC)
lab*trj 0.565 0.25 -0.011
lab*tce 0.625 0.25 0.992
lab*nce 0.0 0.25 0.996

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 79.49 13.14 5.29
LAB*LABa 79.49 13.14 5.29
LAB*TCHa 50.0 14.16 21.92

relative CIELAB lab*
lab*lab 0.381 0.464 0.187
lab*tch 0.446 0.464 0.061
lab*nch 0.0 0.464 0.061
relative Natural Colour (NC)
lab*trj 0.381 0.464 -0.024
lab*tce 0.446 0.464 0.992
lab*nce 0.0 0.464 0.996

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 73.07 13.13 5.28
LAB*LABa 73.07 13.13 5.28
LAB*TCHa 25.0 14.16 21.92

relative CIELAB lab*
lab*lab 0.131 0.464 0.187
lab*tch 0.25 0.0 0.061
lab*nch 0.0 0.0 0.061
relative Natural Colour (NC)
lab*trj 0.131 0.464 -0.024
lab*tce 0.25 0.0 0.992
lab*nce 0.0 0.0 0.996

$n^* = 0,50$

0,25

0,75

1,00

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

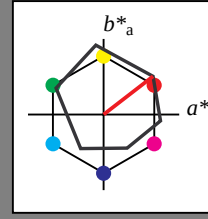
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.61 3.44
LAB*LABa 76.06 0.61 3.44
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 64.19 15.36 15.28
LAB*LABa 64.19 15.36 15.28
LAB*TCHa 50.0 20.66 37.69

relative CIELAB lab*
lab*lab 0.597 0.198 0.153
lab*tch 0.625 0.25 0.105
lab*nch 0.25 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.597 0.198 0.075
lab*tce 0.625 0.25 0.048
lab*nce 0.25 0.25 0.191

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.13 0.83
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.347 0.198 0.153
lab*tch 0.375 0.25 0.105
lab*nch 0.25 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.347 0.198 0.075
lab*tce 0.375 0.25 0.048
lab*nce 0.25 0.25 0.191

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.5 -0.47
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 71.67 32.15 28.41
LAB*LABa 71.67 32.15 28.41
LAB*TCHa 50.0 41.31 37.69

relative CIELAB lab*
lab*lab 0.693 0.396 0.306
lab*tch 0.75 0.5 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*trj 0.693 0.396 0.153
lab*tce 0.75 0.5 0.048
lab*nce 0.0 0.5 0.191

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 52.33 32.33 27.11
LAB*LABa 52.33 32.33 27.11
LAB*TCHa 50.0 41.31 37.69

relative CIELAB lab*
lab*lab 0.443 0.396 0.306
lab*tch 0.5 0.5 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*trj 0.443 0.396 0.153
lab*tce 0.5 0.5 0.048
lab*nce 0.0 0.5 0.191

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 44.84 16.33 13.97
LAB*LABa 44.84 16.33 13.97
LAB*TCHa 37.5 20.66 37.69

relative CIELAB lab*
lab*lab 0.347 0.198 0.153
lab*tch 0.375 0.25 0.105
lab*nch 0.25 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.347 0.198 0.075
lab*tce 0.375 0.25 0.048
lab*nce 0.25 0.25 0.191

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.5 16.7 12.66
LAB*LABa 25.5 16.7 12.66
LAB*TCHa 12.5 20.66 37.69

relative CIELAB lab*
lab*lab 0.193 0.396 0.306
lab*tch 0.25 0.5 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*trj 0.193 0.396 0.153
lab*tce 0.25 0.5 0.048
lab*nce 0.0 0.5 0.191

$n^* = 0,50$

0,25

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 22/360 = 0.061 (left)

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

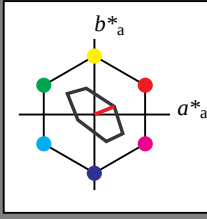
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 88.98 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 82.59 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.13 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.75 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$1,00$

$0,75$

$0,50$

$0,25$

$0,00$

$n^* = 0,00$

$0,25$

$0,50$

$0,75$

$1,00$

$blackness \ n^*$

$chromaticness \ c^*$

$0,25$

$0,50$

$0,75$

$1,00$

$blackness \ n^*$

$chromaticness \ c^*$

$0,25$

$0,50$

$0,75$

$1,00$

$blackness \ n^*$

$chromaticness \ c^*$

$0,25$

$0,50$

$0,75$

$1,00$

$blackness \ n^*$

$chromaticness \ c^*$

$0,25$

$0,50$

$0,75$

$1,00$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

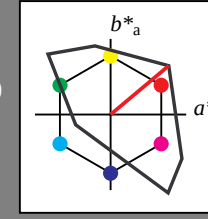
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.52 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.75 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

$0,25$

$0,50$

$0,75$

$1,00$

$blackness \ n^*$

$chromaticness \ c^*$

$0,25$

$0,50$

$0,75$

$1,00$

$blackness \ n^*$

$chromaticness \ c^*$

$0,25$

$0,50$

$0,75$

$1,00$

$blackness \ n^*$

$chromaticness \ c^*$

$0,25$

$0,50$

$0,75$

$1,00$

$blackness \ n^*$

$chromaticness \ c^*$

$0,25$

$0,50$

$0,75$

$1,00$

$blackness \ n^*$

$chromaticness \ c^*$

$0,25$

$0,50$

$0,75$

$1,00$

$blackness \ n^*$

$chromaticness \ c^*$

$0,25$

$0,50$

$0,75$

$1,00$

$blackness \ n^*$

$chromaticness \ c^*$

$0,25$

$0,50$

$0,75$

$1,00$

$blackness \ n^*$

$chromaticness \ c^*$

$0,25$

$0,50$

$0,75$

$1,00$

$blackness \ n^*$

$chromaticness \ c^*$

$0,25$

$0,50$

$0,75$

$1,00$

$blackness \ n^*$

$chromaticness \ c^*$

$0,25$

$0,50$

$0,75$

$1,00$

$blackness \ n^*$

$chromaticness \ c^*$

$0,25$

$0,50$

$0,75$

$1,00$

$blackness \ n^*$

$chromaticness \ c^*$

$0,25$

$0,50$

$0,75$

$1,00$

$blackness \ n^*$

$chromaticness \ c^*$

$0,25$

$0,50$

$0,75$

$1,00$

$blackness \ n^*$

$chromaticness \ c^*$

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

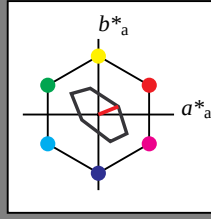
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.0	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	
LAB*LABa	88.98	0.0	0.0	
LAB*TCRa	75.0	0.0	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.59	0.0	0.0	
LAB*LABa	82.59	0.0	0.0	
LAB*TCRa	50.0	0.0	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.13	0.0	0.0	
LAB*LABa	76.13	0.0	0.0	
LAB*TCRa	25.0	0.0	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	
LAB*LABa	69.7	0.0	0.0	
LAB*TCRa	0.0	0.0	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	85.9	13.13	5.28	
LAB*LABa	85.92	13.13	5.28	
LAB*TCRa	75.0	14.16	21.92	
relative CIELAB lab*				
lab*lab	0.815	0.232	0.093	
lab*lab	0.875	0.25	0.061	
lab*lab	0.875	0.25	0.061	
lab*lab	0.875	0.25	0.061	
relative Natural Colour (NC)				
lab*lab	0.815	0.232	0.093	
lab*lab	0.875	0.25	0.061	
lab*lab	0.875	0.25	0.061	
lab*lab	0.875	0.25	0.061	

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	79.49	13.14	5.29	
LAB*LABa	79.49	13.14	5.29	
LAB*TCRa	50.0	14.16	21.92	
relative CIELAB lab*				
lab*lab	0.565	0.232	0.093	
lab*lab	0.625	0.25	0.061	
lab*lab	0.625	0.25	0.061	
lab*lab	0.625	0.25	0.061	
relative Natural Colour (NC)				
lab*lab	0.565	0.232	0.093	
lab*lab	0.625	0.25	0.061	
lab*lab	0.625	0.25	0.061	
lab*lab	0.625	0.25	0.061	

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.25	(1.0)
cmyn3*	0.5	0.25	0.25	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	77.81	6.57	2.64	
LAB*LABa	77.81	6.57	2.64	
LAB*TCRa	37.5	7.08	21.92	
relative CIELAB lab*				
lab*lab	0.315	0.232	0.093	
lab*lab	0.375	0.25	0.061	
lab*lab	0.375	0.25	0.061	
lab*lab	0.375	0.25	0.061	
relative Natural Colour (NC)				
lab*lab	0.315	0.232	0.093	
lab*lab	0.375	0.25	0.061	
lab*lab	0.375	0.25	0.061	
lab*lab	0.375	0.25	0.061	

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	73.07	13.13	5.28	
LAB*LABa	73.07	13.13	5.28	
LAB*TCRa	25.0	14.16	21.92	
relative CIELAB lab*				
lab*lab	0.131	0.464	0.187	
lab*lab	0.25	0.5	0.061	
lab*lab	0.25	0.5	0.061	
lab*lab	0.25	0.5	0.061	
relative Natural Colour (NC)				
lab*lab	0.131	0.464	0.187	
lab*lab	0.25	0.5	0.061	
lab*lab	0.25	0.5	0.061	
lab*lab	0.25	0.5	0.061	

$n^* = 0,50$

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

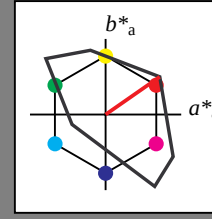
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.0	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCRa	75.0	0.0	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

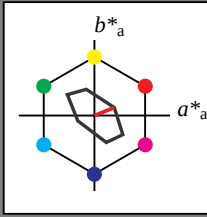
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.0 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*TCRa 75.0 0.0 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.56 0.0 0.0
LAB*LABa 82.56 0.0 0.0
LAB*TCRa 50.0 0.0 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.13 0.0 0.0
LAB*LABa 76.13 0.0 0.0
LAB*TCRa 25.0 0.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCRa 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 85.9 13.13 5.28
LAB*LABa 85.92 13.13 5.28
LAB*TCRa 75.0 14.16 21.92

relative CIELAB lab*
lab*lab 0.815 0.232 0.093
lab*tch 0.875 0.25 0.061
lab*nch 0.0 0.25 0.061
relative Natural Colour (NC)
lab*trj 0.815 0.25 0.061
lab*tce 0.232 0.25 0.061
lab*nce 0.0 0.25 0.061

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 84.24 6.57 2.64
LAB*LABa 84.24 6.57 2.64
LAB*TCRa 75.0 14.16 21.92

relative CIELAB lab*
lab*lab 0.565 0.232 0.093
lab*tch 0.625 0.25 0.061
lab*nch 0.0 0.25 0.061
relative Natural Colour (NC)
lab*trj 0.565 0.25 0.061
lab*tce 0.625 0.25 0.061
lab*nce 0.0 0.25 0.061

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 79.49 13.14 5.29
LAB*LABa 79.49 13.14 5.29
LAB*TCRa 50.0 14.16 21.92

relative CIELAB lab*
lab*lab 0.381 0.464 0.187
lab*tch 0.446 0.464 0.187
lab*nch 0.0 0.464 0.187
relative Natural Colour (NC)
lab*trj 0.381 0.464 0.187
lab*tce 0.446 0.464 0.187
lab*nce 0.0 0.464 0.187

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 73.07 13.13 5.28
LAB*LABa 73.07 13.13 5.28
LAB*TCRa 25.0 14.16 21.92

relative CIELAB lab*
lab*lab 0.131 0.464 0.187
lab*tch 0.25 0.0 0.061
lab*nch 0.0 0.0 0.061
relative Natural Colour (NC)
lab*trj 0.131 0.464 0.187
lab*tce 0.25 0.0 0.061
lab*nce 0.0 0.0 0.061

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 30/360 = 0.083$

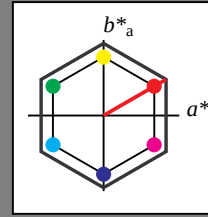
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 32 95 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCRa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 67.72 0.0 0.0
LAB*LABa 67.72 0.0 0.0
LAB*TCRa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.06 20.66 11.93
LAB*LABa 55.06 20.66 11.93
LAB*TCRa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.333 0.217 0.125
lab*tch 0.333 0.217 0.125
lab*nch 0.0 0.217 0.125
relative Natural Colour (NC)
lab*trj 0.333 0.217 0.125
lab*tce 0.333 0.217 0.125
lab*nce 0.0 0.217 0.125

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 63.61 41.3 23.85
LAB*LABa 63.61 41.3 23.85
LAB*TCRa 75.0 47.69 30.0

relative CIELAB lab*
lab*lab 0.667 0.433 0.25
lab*tch 0.75 0.25 0.083
lab*nch 0.0 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.667 0.433 0.25
lab*tce 0.75 0.25 0.083
lab*nce 0.0 0.25 0.083

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 55.06 20.66 11.93
LAB*LABa 55.06 20.66 11.93
LAB*TCRa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.583 0.217 0.125
lab*tch 0.625 0.25 0.083
lab*nch 0.0 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.583 0.217 0.125
lab*tce 0.625 0.25 0.083
lab*nce 0.0 0.25 0.083

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 39.76 41.31 23.85
LAB*LABa 39.76 41.31 23.85
LAB*TCRa 50.0 47.69 30.0

relative CIELAB lab*
lab*lab 0.417 0.433 0.25
lab*tch 0.5 0.25 0.083
lab*nch 0.0 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.417 0.433 0.25
lab*tce 0.5 0.25 0.083
lab*nce 0.0 0.25 0.083

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCRa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 22/360 = 0.061 (left)

5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

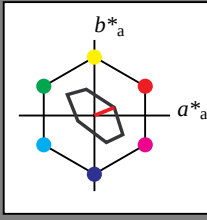
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.0 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*TCHa 75.0 0.0 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.59 0.0 0.0
LAB*LABa 82.59 0.0 0.0
LAB*TCHa 50.0 0.0 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.13 0.0 0.0
LAB*LABa 76.13 0.0 0.0
LAB*TCHa 25.0 0.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCHa 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 85.9 13.13 5.28
LAB*LABa 85.92 13.13 5.28
LAB*TCHa 75.0 14.16 21.92

relative CIELAB lab*
lab*lab 0.815 0.232 0.093
lab*tch 0.875 0.25 0.061
lab*nch 0.0 0.25 0.061
relative Natural Colour (NC)
lab*trj 0.815 0.25 -0.011
lab*tce 0.232 0.25 0.992
lab*nce 0.0 0.25 0.996

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.25 0.25 0.25
standard and adapted CIELAB
LAB*LAB 84.24 6.57 2.64
LAB*LABa 84.24 6.57 2.64
LAB*TCHa 75.0 14.16 21.92

relative CIELAB lab*
lab*lab 0.565 0.232 0.093
lab*tch 0.625 0.25 0.061
lab*nch 0.0 0.25 0.061
relative Natural Colour (NC)
lab*trj 0.565 0.25 -0.011
lab*tce 0.625 0.25 0.992
lab*nce 0.0 0.25 0.996

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 0.25
cmyn4* 0.0 0.5 0.5 0.5
standard and adapted CIELAB
LAB*LAB 79.49 13.14 5.29
LAB*LABa 79.49 13.14 5.29
LAB*TCHa 50.0 14.16 21.92

relative CIELAB lab*
lab*lab 0.381 0.464 0.187
lab*tch 0.446 0.464 0.061
lab*nch 0.0 0.464 0.061
relative Natural Colour (NC)
lab*trj 0.381 0.464 -0.024
lab*tce 0.446 0.464 0.992
lab*nce 0.0 0.464 0.996

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 1.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.5 0.5 0.5
standard and adapted CIELAB
LAB*LAB 73.07 13.13 5.28
LAB*LABa 73.07 13.13 5.28
LAB*TCHa 25.0 14.16 21.92

relative CIELAB lab*
lab*lab 0.131 0.464 0.187
lab*tch 0.25 0.5 0.061
lab*nch 0.0 0.5 0.061
relative Natural Colour (NC)
lab*trj 0.131 0.464 -0.024
lab*tce 0.25 0.5 0.992
lab*nce 0.0 0.5 0.996

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

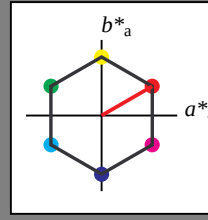
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 44 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 69.61 33.51 19.35
LAB*LABa 69.61 33.51 19.35
LAB*TCHa 75.0 38.69 30.0

relative CIELAB lab*
lab*lab 0.667 0.433 0.25
lab*tch 0.75 0.5 0.083
lab*nch 0.0 0.5 0.083
relative Natural Colour (NC)
lab*trj 0.667 0.433 0.083
lab*tce 0.75 0.5 0.017
lab*nce 0.0 0.5 0.061

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.25 0.25 0.25
standard and adapted CIELAB
LAB*LAB 50.26 33.52 19.35
LAB*LABa 50.26 33.52 19.35
LAB*TCHa 50.0 38.7 30.0

relative CIELAB lab*
lab*lab 0.583 0.217 0.125
lab*tch 0.625 0.25 0.083
lab*nch 0.0 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.583 0.217 0.083
lab*tce 0.625 0.25 0.017
lab*nce 0.0 0.25 0.061

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 0.25
cmyn4* 0.0 0.5 0.5 0.5
standard and adapted CIELAB
LAB*LAB 30.92 33.51 19.35
LAB*LABa 30.92 33.51 19.35
LAB*TCHa 25.0 38.69 30.0

relative CIELAB lab*
lab*lab 0.417 0.433 0.25
lab*tch 0.5 0.5 0.083
lab*nch 0.0 0.5 0.083
relative Natural Colour (NC)
lab*trj 0.417 0.433 0.083
lab*tce 0.5 0.5 0.017
lab*nce 0.0 0.5 0.061

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.75 0.75 0.75
cmyn4* 0.0 0.25 0.25 0.25
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.083 0.216 0.125
lab*tch 0.125 0.25 0.083
lab*nch 0.0 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.083 0.216 0.083
lab*tce 0.125 0.25 0.017
lab*nce 0.0 0.25 0.061

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 22/360 = 0.061 (left)

5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

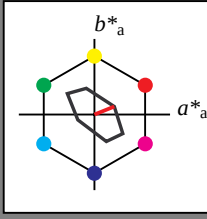
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 88.98 \ 0.0 \ 0.0$
 $LAB^*TCha \ 88.98 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*tch \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*nch \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*tce \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $lab^*nce \ 0.25 \ 0.25 \ 0.25 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 82.59 \ 0.0 \ 0.0$
 $LAB^*TCha \ 82.59 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tch \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*nch \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $lab^*nce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.13 \ 0.0 \ 0.0$
 $LAB^*TCha \ 76.13 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tch \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*nch \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $lab^*nce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha \ 69.7 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ 0.0$
 $lab^*nch \ 1.0 \ 1.0 \ 1.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 1.0 \ 1.0$
 $lab^*nce \ 1.0 \ 1.0 \ 1.0$

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.5 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 85.92 \ 13.13 \ 5.28$
 $LAB^*TCha \ 85.92 \ 13.13 \ 5.28$

relative CIELAB lab*
 $lab^*lab \ 0.815 \ 0.232 \ 0.093$
 $lab^*tch \ 0.875 \ 0.25 \ 0.061$
 $lab^*nch \ 0.0 \ 0.25 \ 0.061$
 relative Natural Colour (NC)
 $lab^*trj \ 0.815 \ 0.25 \ 0.061$
 $lab^*tce \ 0.232 \ 0.25 \ 0.061$
 $lab^*nce \ 0.0 \ 0.25 \ 0.061$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.5 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 84.24 \ 6.57 \ 2.64$
 $LAB^*TCha \ 84.24 \ 6.57 \ 2.64$

relative CIELAB lab*
 $lab^*lab \ 0.565 \ 0.232 \ 0.093$
 $lab^*tch \ 0.625 \ 0.25 \ 0.061$
 $lab^*nch \ 0.25 \ 0.25 \ 0.061$
 relative Natural Colour (NC)
 $lab^*trj \ 0.565 \ 0.25 \ 0.061$
 $lab^*tce \ 0.625 \ 0.25 \ 0.061$
 $lab^*nce \ 0.25 \ 0.25 \ 0.061$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.25 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 79.49 \ 13.14 \ 5.29$
 $LAB^*TCha \ 79.49 \ 13.14 \ 5.29$

relative CIELAB lab*
 $lab^*lab \ 0.381 \ 0.464 \ 0.187$
 $lab^*tch \ 0.446 \ 0.696 \ 0.28$
 $lab^*nch \ 0.0 \ 0.75 \ 0.061$
 relative Natural Colour (NC)
 $lab^*trj \ 0.446 \ 0.696 \ 0.28$
 $lab^*tce \ 0.446 \ 0.696 \ 0.28$
 $lab^*nce \ 0.0 \ 0.75 \ 0.061$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.5 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 73.07 \ 13.13 \ 5.28$
 $LAB^*TCha \ 73.07 \ 13.13 \ 5.28$

relative CIELAB lab*
 $lab^*lab \ 0.131 \ 0.464 \ 0.187$
 $lab^*tch \ 0.25 \ 0.5 \ 0.061$
 $lab^*nch \ 0.5 \ 0.5 \ 0.061$
 relative Natural Colour (NC)
 $lab^*trj \ 0.131 \ 0.464 \ 0.187$
 $lab^*tce \ 0.25 \ 0.5 \ 0.061$
 $lab^*nce \ 0.5 \ 0.5 \ 0.061$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

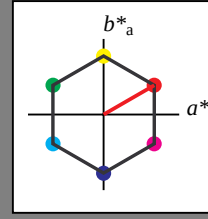
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 76.07 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*tch \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*nch \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*tce \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $lab^*nce \ 0.25 \ 0.25 \ 0.25 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 76.07 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tch \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*nch \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $lab^*nce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha \ 69.7 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tch \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*nch \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $lab^*nce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha \ 69.7 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ 0.0$
 $lab^*nch \ 1.0 \ 1.0 \ 1.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 1.0 \ 1.0$
 $lab^*nce \ 1.0 \ 1.0 \ 1.0$

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.5 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.06 \ 33.51 \ 19.35$
 $LAB^*TCha \ 76.06 \ 33.51 \ 19.35$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.433 \ 0.25$
 $lab^*tch \ 0.75 \ 0.433 \ 0.25$
 $lab^*nch \ 0.0 \ 0.5 \ 0.083$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.433 \ 0.25$
 $lab^*tce \ 0.75 \ 0.433 \ 0.25$
 $lab^*nce \ 0.0 \ 0.5 \ 0.083$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.5 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 66.39 \ 16.76 \ 9.68$
 $LAB^*TCha \ 66.39 \ 16.76 \ 9.68$

relative CIELAB lab*
 $lab^*lab \ 0.625 \ 0.217 \ 0.125$
 $lab^*tch \ 0.625 \ 0.217 \ 0.125$
 $lab^*nch \ 0.25 \ 0.25 \ 0.083$
 relative Natural Colour (NC)
 $lab^*trj \ 0.625 \ 0.217 \ 0.125$
 $lab^*tce \ 0.625 \ 0.217 \ 0.125$
 $lab^*nce \ 0.25 \ 0.25 \ 0.083$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.25 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.71 \ 33.52 \ 19.35$
 $LAB^*TCha \ 56.71 \ 33.52 \ 19.35$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.433 \ 0.25$
 $lab^*tch \ 0.5 \ 0.433 \ 0.25$
 $lab^*nch \ 0.25 \ 0.5 \ 0.083$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.433 \ 0.25$
 $lab^*tce \ 0.5 \ 0.433 \ 0.25$
 $lab^*nce \ 0.25 \ 0.5 \ 0.083$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.5 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.04 \ 50.27 \ 29.02$
 $LAB^*TCha \ 47.04 \ 50.27 \ 29.02$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.433 \ 0.25$
 $lab^*tch \ 0.25$

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

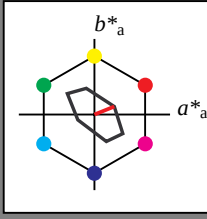
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 88.98 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 82.56 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.13 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 85.92 \ 13.13 \ 5.28$
 $LAB^*TCha \ 75.0 \ 14.16 \ 21.92$

relative CIELAB lab*
 $lab^*lab \ 0.815 \ 0.232 \ 0.093$
 $lab^*tch \ 0.875 \ 0.25 \ 0.061$
 $lab^*nch \ 0.0 \ 0.25 \ 0.061$
 relative Natural Colour (NC)
 $lab^*trj \ 0.815 \ 0.25 \ -0.011$
 $lab^*tce \ 0.232 \ 0.25 \ 0.992$
 $lab^*nce \ 0.0 \ 0.25 \ 0.996$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 84.24 \ 6.57 \ 2.64$
 $LAB^*TCha \ 62.5 \ 7.08 \ 21.92$

relative CIELAB lab*
 $lab^*lab \ 0.565 \ 0.232 \ 0.093$
 $lab^*tch \ 0.625 \ 0.25 \ 0.061$
 $lab^*nch \ 0.0 \ 0.25 \ 0.061$
 relative Natural Colour (NC)
 $lab^*trj \ 0.565 \ 0.25 \ -0.011$
 $lab^*tce \ 0.625 \ 0.25 \ 0.992$
 $lab^*nce \ 0.0 \ 0.25 \ 0.996$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.25 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 79.49 \ 13.14 \ 5.29$
 $LAB^*TCha \ 50.0 \ 14.16 \ 21.92$

relative CIELAB lab*
 $lab^*lab \ 0.381 \ 0.464 \ 0.187$
 $lab^*tch \ 0.381 \ 0.464 \ 0.187$
 $lab^*nch \ 0.0 \ 0.464 \ 0.187$
 relative Natural Colour (NC)
 $lab^*trj \ 0.381 \ 0.464 \ -0.024$
 $lab^*tce \ 0.381 \ 0.464 \ 0.992$
 $lab^*nce \ 0.0 \ 0.464 \ 0.996$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 73.07 \ 13.13 \ 5.28$
 $LAB^*TCha \ 25.0 \ 14.16 \ 21.92$

relative CIELAB lab*
 $lab^*lab \ 0.131 \ 0.464 \ 0.187$
 $lab^*tch \ 0.131 \ 0.464 \ 0.187$
 $lab^*nch \ 0.0 \ 0.464 \ 0.187$
 relative Natural Colour (NC)
 $lab^*trj \ 0.131 \ 0.464 \ -0.024$
 $lab^*tce \ 0.131 \ 0.464 \ 0.992$
 $lab^*nce \ 0.0 \ 0.464 \ 0.996$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

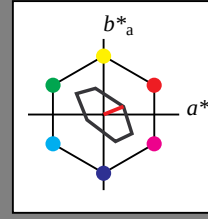
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 88.98 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 82.56 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.13 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 85.92 \ 13.13 \ 5.28$
 $LAB^*TCha \ 75.0 \ 14.16 \ 21.92$

relative CIELAB lab*
 $lab^*lab \ 0.815 \ 0.232 \ 0.093$
 $lab^*tch \ 0.875 \ 0.25 \ 0.061$
 $lab^*nch \ 0.0 \ 0.25 \ 0.061$
 relative Natural Colour (NC)
 $lab^*trj \ 0.815 \ 0.25 \ -0.011$
 $lab^*tce \ 0.232 \ 0.25 \ 0.992$
 $lab^*nce \ 0.0 \ 0.25 \ 0.996$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 84.24 \ 6.57 \ 2.64$
 $LAB^*TCha \ 62.5 \ 7.08 \ 21.92$

relative CIELAB lab*
 $lab^*lab \ 0.565 \ 0.232 \ 0.093$
 $lab^*tch \ 0.625 \ 0.25 \ 0.061$
 $lab^*nch \ 0.0 \ 0.25 \ 0.061$
 relative Natural Colour (NC)
 $lab^*trj \ 0.565 \ 0.25 \ -0.011$
 $lab^*tce \ 0.625 \ 0.25 \ 0.992$
 $lab^*nce \ 0.0 \ 0.25 \ 0.996$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.25 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 79.49 \ 13.14 \ 5.29$
 $LAB^*TCha \ 50.0 \ 14.16 \ 21.92$

relative CIELAB lab*
 $lab^*lab \ 0.381 \ 0.464 \ 0.187$
 $lab^*tch \ 0.381 \ 0.464 \ 0.187$
 $lab^*nch \ 0.0 \ 0.464 \ 0.187$
 relative Natural Colour (NC)
 $lab^*trj \ 0.381 \ 0.464 \ -0.024$
 $lab^*tce \ 0.381 \ 0.464 \ 0.992$
 $lab^*nce \ 0.0 \ 0.464 \ 0.996$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 73.07 \ 13.13 \ 5.28$
 $LAB^*TCha \ 25.0 \ 14.16 \ 21.92$

relative CIELAB lab*
 $lab^*lab \ 0.131 \ 0.464 \ 0.187$
 $lab^*tch \ 0.131 \ 0.464 \ 0.187$
 $lab^*nch \ 0.0 \ 0.464 \ 0.187$
 relative Natural Colour (NC)
 $lab^*trj \ 0.131 \ 0.464 \ -0.024$
 $lab^*tce \ 0.131 \ 0.464 \ 0.992$
 $lab^*nce \ 0.0 \ 0.464 \ 0.996$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

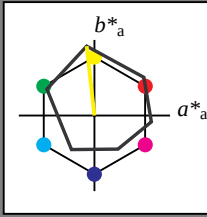
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	-0.38	4.75	
LAB*LABa	95.41	0.0	0.0	
LAB*TCHa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*TCHa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*TCHa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	
LAB*LABa	37.36	0.0	0.0	
LAB*TCHa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*TCHa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.75	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	94.14	-3.52	27.6	
LAB*LABa	94.14	-2.56	22.93	
LAB*TCHa	87.5	23.07	96.38	
relative CIELAB lab*				
lab*lab	0.984	-0.027	0.248	
lab*tch	0.875	0.25	0.268	
lab*nch	0.0	0.25	0.268	
relative Natural Colour (NC)				
lab*trj	0.984	-0.024	0.249	
lab*tce	0.875	0.25	0.266	
lab*nce	0.0	0.25	0.266	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	74.8	-3.15	26.3	
LAB*LABa	74.8	-2.56	22.94	
LAB*TCHa	62.5	23.07	96.38	
relative CIELAB lab*				
lab*lab	0.734	-0.027	0.248	
lab*tch	0.625	0.25	0.268	
lab*nch	0.25	0.25	0.268	
relative Natural Colour (NC)				
lab*trj	0.734	-0.024	0.249	
lab*tce	0.625	0.25	0.266	
lab*nce	0.25	0.25	0.266	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	55.45	-2.78	25.0	
LAB*LABa	55.45	-2.56	22.94	
LAB*TCHa	37.5	23.08	96.38	
relative CIELAB lab*				
lab*lab	0.484	-0.027	0.248	
lab*tch	0.375	0.25	0.268	
lab*nch	0.25	0.25	0.268	
relative Natural Colour (NC)				
lab*trj	0.484	-0.024	0.249	
lab*tce	0.375	0.25	0.266	
lab*nce	0.25	0.25	0.266	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	36.1	-2.4	23.68	
LAB*LABa	36.1	-2.56	22.93	
LAB*TCHa	12.5	23.07	96.38	
relative CIELAB lab*				
lab*lab	0.234	-0.027	0.248	
lab*tch	0.125	0.25	0.268	
lab*nch	0.75	0.25	0.268	
relative Natural Colour (NC)				
lab*trj	0.234	-0.024	0.249	
lab*tce	0.125	0.25	0.266	
lab*nce	0.75	0.25	0.266	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*TCHa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

$n^* = 0,25$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.88	-0.06	50.46	
LAB*LABa	92.88	-5.12	45.87	
LAB*TCHa	75.0	46.15	96.38	
relative CIELAB lab*				
lab*lab	0.967	-0.055	0.497	
lab*tch	0.75	0.5	0.268	
lab*nch	0.0	0.5	0.268	
relative Natural Colour (NC)				
lab*trj	0.967	-0.048	0.497	
lab*tce	0.75	0.5	0.266	
lab*nce	0.0	0.5	0.266	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.25	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	73.54	-3.69	49.16	
LAB*LABa	73.54	-5.12	45.88	
LAB*TCHa	50.0	46.16	96.38	
relative CIELAB lab*				
lab*lab	0.717	-0.055	0.497	
lab*tch	0.625	0.25	0.268	
lab*nch	0.25	0.25	0.268	
relative Natural Colour (NC)				
lab*trj	0.717	-0.048	0.498	
lab*tce	0.625	0.25	0.266	
lab*nce	0.25	0.25	0.266	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	54.19	-5.32	47.84	
LAB*LABa	54.19	-5.12	45.87	
LAB*TCHa	25.01	46.15	96.38	
relative CIELAB lab*				
lab*lab	0.467	-0.055	0.497	
lab*tch	0.375	0.25	0.268	
lab*nch	0.25	0.25	0.268	
relative Natural Colour (NC)				
lab*trj	0.467	-0.048	0.497	
lab*tce	0.375	0.25	0.266	
lab*nce	0.25	0.25	0.266	

relative CIELAB lab*				
lab*lab	0.467	-0.055	0.497	
lab*ach	0.25	0.5	0.268	
lab*ncch	0.5	0.5	0.268	
relative Natural Colour (NC)				
lab*lrj	0.467	-0.048	0.497	
lab*ice	0.25	0.5	0.266	
lab*nce	0.5	0.5	0.06g	

$n^* = 0,50$

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

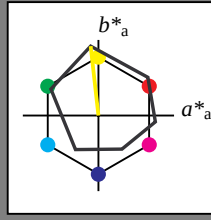
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	8.33	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.88	-0.06	50.46	0.0
LAB*LABa	92.88	-5.12	45.87	0.0
LAB*TCRa	75.0	46.15	96.38	0.0
relative CIELAB lab*				
lab*lab	0.967	-0.055	0.497	0.0
lab*tch	0.75	0.5	0.268	0.0
lab*nch	0.0	0.5	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.967	-0.048	0.497	0.0
lab*tce	0.75	0.5	0.266	0.0
lab*nce	0.0	0.5	0.266	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	73.54	-0.69	49.16	0.0
LAB*LABa	73.54	-5.12	45.88	0.0
LAB*TCRa	50.0	46.16	96.38	0.0
relative CIELAB lab*				
lab*lab	0.717	-0.055	0.497	0.0
lab*tch	0.75	0.5	0.268	0.0
lab*nch	0.0	0.5	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.717	-0.048	0.498	0.0
lab*tce	0.75	0.5	0.266	0.0
lab*nce	0.0	0.5	0.266	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	54.19	-3.42	47.84	0.0
LAB*LABa	54.19	-5.12	45.87	0.0
LAB*TCRa	25.01	46.15	96.38	0.0
relative CIELAB lab*				
lab*lab	0.467	-0.055	0.497	0.0
lab*tch	0.25	0.5	0.268	0.0
lab*nch	0.0	0.5	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.467	-0.048	0.497	0.0
lab*tce	0.25	0.5	0.266	0.0
lab*nce	0.0	0.5	0.266	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.5	(1.0)
cmyn3*	0.75	0.75	1.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	36.1	2.4	23.68	0.0
LAB*LABa	36.1	-2.56	22.93	0.0
LAB*TCRa	12.5	23.07	96.38	0.0
relative CIELAB lab*				
lab*lab	0.234	-0.027	0.248	0.0
lab*tch	0.125	0.25	0.268	0.0
lab*nch	0.0	0.25	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.234	-0.024	0.249	0.0
lab*tce	0.125	0.25	0.266	0.0
lab*nce	0.0	0.25	0.266	0.0

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

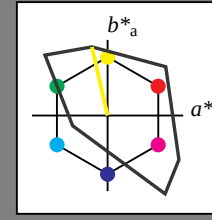
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	0.0
LAB*LABa	71.57	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	(1.0)
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*Lab	0.5	0.0	0.0	
lab*ch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.5	0.0	0.0	
lab*icc	0.5	0.0	-	
lab*ncc	0.5	0.0	-	

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

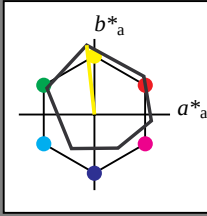
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)			
olvi3*	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	95.41	-0.38	4.75
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-
relative CIELAB lab*			
lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0
relative Natural Colour (NC)			
lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	76.98	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*TCRa	75.0	0.01	-
relative CIELAB lab*			
lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0
relative Natural Colour (NC)			
lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCRa	50.0	0.01	-
relative CIELAB lab*			
lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0
relative Natural Colour (NC)			
lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	37.36	0.13	8.83
LAB*LABa	37.36	0.0	0.0
LAB*TCRa	25.0	0.01	-
relative CIELAB lab*			
lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0
relative Natural Colour (NC)			
lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*TCRa	0.01	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0
relative Natural Colour (NC)			
lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
LMa	50.9	-62.83	34.96	71.91	151
CMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
MMa	48.13	75.28	-8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	-2.16	67.76	67.79	92
GCIE	52.23	-42.25	11.76	43.87	164
BCIE	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)			
olvi3*	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	92.88	-0.46	50.46
LAB*LABa	92.88	-5.12	45.87
LAB*TCRa	75.0	46.15	96.38
relative CIELAB lab*			
lab*lab	0.967	-0.055	0.497
lab*tch	0.75	0.5	0.268
lab*nch	0.0	0.5	0.268
relative Natural Colour (NC)			
lab*trj	0.967	-0.048	0.497
lab*tce	0.75	0.5	0.266
lab*nce	0.0	0.5	0.266

relative Inform. Technology (IT)			
olvi3*	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.25
standard and adapted CIELAB			
LAB*LAB	73.54	-5.69	49.16
LAB*LABa	73.54	-5.12	45.88
LAB*TCRa	50.0	46.16	96.38
relative CIELAB lab*			
lab*lab	0.717	-0.055	0.497
lab*tch	0.5	0.5	0.268
lab*nch	0.25	0.5	0.268
relative Natural Colour (NC)			
lab*trj	0.717	-0.048	0.498
lab*tce	0.5	0.5	0.266
lab*nce	0.25	0.5	0.266

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	1.0	(0.0)
olvi4*	1.0	1.0	0.5	0.5
cmyn4*	0.0	0.0	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	54.19	-5.32	47.84	
LAB*LABa	54.19	-5.12	45.87	
LAB*TCRa	25.01	46.15	96.38	
relative CIELAB lab*				
lab*lab	0.467	-0.055	0.497	
lab*tch	0.25	0.5	0.268	
lab*nch	0.5	0.5	0.268	
relative Natural Colour (NC)				
lab*trj	0.467	-0.048	0.497	
lab*tce	0.25	0.5	0.266	
lab*nce	0.5	0.5	0.266	

$n^* = 0,50$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 99/360 = 0.275$

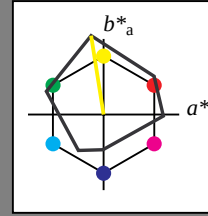
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)			
olvi3*	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	96.31	-0.11	2.58
LAB*LABa	96.31	0.0	0.0
LAB*TCRa	99.99	0.01	-
relative CIELAB lab*			
lab*Lab	1.0	0.0	0.0
lab*Labh	1.0	0.0	-
lab*nch	0.0	0.0	-
relative Natural Colour (NC)			
lab*lrj	1.0	0.0	0.0
lab*rice	1.0	0.0	-
lab*nCE	0.0	0.0	-

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

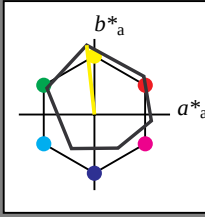
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	4.75
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*TCHa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCHa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	83.3	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*TCHa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCHa	0.01	0.0	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.75	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	0.75	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	94.14	-3.52	27.6	0.0
LAB*LABa	94.14	-2.56	22.93	0.0
LAB*TCHa	87.5	23.07	96.38	0.0
relative CIELAB lab*				
lab*lab	0.984	-0.027	0.248	0.0
lab*tch	0.875	0.25	0.268	0.0
lab*nch	0.0	0.25	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.984	-0.024	0.249	0.0
lab*tce	0.875	0.25	0.266	0.0
lab*nce	0.0	0.25	0.266	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	74.8	-3.15	26.3	0.0
LAB*LABa	74.8	-2.56	22.94	0.0
LAB*TCHa	62.5	23.07	96.38	0.0
relative CIELAB lab*				
lab*lab	0.734	-0.027	0.248	0.0
lab*tch	0.625	0.25	0.268	0.0
lab*nch	0.25	0.25	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.734	-0.024	0.249	0.0
lab*tce	0.625	0.25	0.266	0.0
lab*nce	0.25	0.25	0.266	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	55.45	-2.78	25.0	0.0
LAB*LABa	55.45	-2.56	22.94	0.0
LAB*TCHa	37.5	23.07	96.38	0.0
relative CIELAB lab*				
lab*lab	0.484	-0.027	0.248	0.0
lab*tch	0.375	0.25	0.268	0.0
lab*nch	0.25	0.25	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.484	-0.024	0.249	0.0
lab*tce	0.375	0.25	0.266	0.0
lab*nce	0.25	0.25	0.266	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	36.1	2.4	23.68	0.0
LAB*LABa	36.1	-2.56	22.93	0.0
LAB*TCHa	12.5	23.07	96.38	0.0
relative CIELAB lab*				
lab*lab	0.234	-0.027	0.248	0.0
lab*tch	0.125	0.25	0.268	0.0
lab*nch	0.75	0.25	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.234	-0.024	0.249	0.0
lab*tce	0.125	0.25	0.266	0.0
lab*nce	0.75	0.25	0.266	0.0

$n^* = 0,25$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.88	-0.06	50.46	0.0
LAB*LABa	92.88	-5.12	45.87	0.0
LAB*TCHa	75.0	46.15	96.38	0.0
relative CIELAB lab*				
lab*lab	0.967	-0.055	0.497	0.0
lab*tch	0.75	0.5	0.268	0.0
lab*nch	0.0	0.5	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.967	-0.048	0.497	0.0
lab*tce	0.75	0.5	0.266	0.0
lab*nce	0.0	0.5	0.266	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.25	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	73.54	-3.69	49.16	0.0
LAB*LABa	73.54	-5.12	45.88	0.0
LAB*TCHa	50.0	46.15	96.38	0.0
relative CIELAB lab*				
lab*lab	0.717	-0.055	0.497	0.0
lab*tch	0.625	0.5	0.268	0.0
lab*nch	0.25	0.5	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.717	-0.048	0.498	0.0
lab*tce	0.625	0.5	0.266	0.0
lab*nce	0.25	0.5	0.266	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	54.19	-3.32	47.84	0.0
LAB*LABa	54.19	-5.12	45.87	0.0
LAB*TCHa	25.01	46.15	96.38	0.0
relative CIELAB lab*				
lab*lab	0.467	-0.055	0.497	0.0
lab*tch	0.375	0.5	0.268	0.0
lab*nch	0.5	0.5	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.467	-0.048	0.497	0.0
lab*tce	0.375	0.5	0.266	0.0
lab*nce	0.5	0.5	0.266	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	36.1	2.4	23.68	0.0
LAB*LABa	36.1	-2.56	22.93	0.0
LAB*TCHa	12.5	23.07	96.38	0.0
relative CIELAB lab*				
lab*lab	0.234	-0.027	0.248	0.0
lab*tch	0.125	0.25	0.268	0.0
lab*nch	0.75	0.25	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.234	-0.024	0.249	0.0
lab*tce	0.125	0.25	0.266	0.0
lab*nce	0.75	0.25	0.266	0.0

n

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

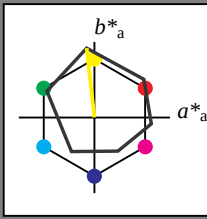
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	-0.36	4.75	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	
LAB*LABa	37.36	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.75	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	0.75	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	94.14	-3.52	27.6	
LAB*LABa	94.14	-2.56	22.93	
LAB*TCRa	87.5	23.07	96.38	
relative CIELAB lab*				
lab*lab	0.984	-0.027	0.248	
lab*tch	0.875	0.25	0.268	
lab*nch	0.0	0.25	0.268	
relative Natural Colour (NC)				
lab*trj	0.984	-0.024	0.249	
lab*tce	0.875	0.25	0.266	
lab*nce	0.0	0.25	0.266	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	74.8	-3.15	26.3	
LAB*LABa	74.8	-2.56	22.94	
LAB*TCRa	62.5	23.07	96.38	
relative CIELAB lab*				
lab*lab	0.734	-0.027	0.248	
lab*tch	0.625	0.25	0.268	
lab*nch	0.0	0.25	0.268	
relative Natural Colour (NC)				
lab*trj	0.734	-0.024	0.249	
lab*tce	0.625	0.25	0.266	
lab*nce	0.0	0.25	0.266	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	55.45	-2.78	25.0	
LAB*LABa	55.45	-2.56	22.94	
LAB*TCRa	37.5	23.07	96.38	
relative CIELAB lab*				
lab*lab	0.484	-0.027	0.248	
lab*tch	0.375	0.25	0.268	
lab*nch	0.0	0.25	0.268	
relative Natural Colour (NC)				
lab*trj	0.484	-0.024	0.249	
lab*tce	0.375	0.25	0.266	
lab*nce	0.0	0.25	0.266	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	36.1	2.4	23.68	
LAB*LABa	36.1	-2.56	22.93	
LAB*TCRa	12.5	23.07	96.38	
relative CIELAB lab*				
lab*lab	0.234	-0.027	0.248	
lab*tch	0.125	0.25	0.268	
lab*nch	0.0	0.25	0.268	
relative Natural Colour (NC)				
lab*trj	0.234	-0.024	0.249	
lab*tce	0.125	0.25	0.266	
lab*nce	0.0	0.25	0.266	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.88	-0.06	50.46	
LAB*LABa	92.88	-5.12	45.87	
LAB*TCRa	75.0	46.15	96.38	
relative CIELAB lab*				
lab*lab	0.967	-0.055	0.497	
lab*tch	0.75	0.5	0.268	
lab*nch	0.0	0.5	0.268	
relative Natural Colour (NC)				
lab*trj	0.967	-0.048	0.497	
lab*tce	0.75	0.5	0.266	
lab*nce	0.0	0.5	0.266	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.25	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	73.54	-3.69	49.16	
LAB*LABa	73.54	-5.12	45.88	
LAB*TCRa	50.0	46.15	96.38	
relative CIELAB lab*				
lab*lab	0.717	-0.055	0.497	
lab*tch	0.5	0.5	0.268	
lab*nch	0.0	0.5	0.268	
relative Natural Colour (NC)				
lab*trj	0.717	-0.048	0.498	
lab*tce	0.5	0.5	0.266	
lab*nce	0.0	0.5	0.266	

technlogy (IT)		relative CIELAB	
5	0.0 (1.0)	lab*lab	0.701
5	1.0 (0.0)	lab*tch	0.375
0	0.5 0.5	lab*nch	0.25
0	0.5 0.5	relative Natural C	
-5.32 47.84		lab*trj	0.701
-5.12 45.87		lab*tce	0.375
46.15 96.38		lab*nce	0.25
lab*		$n^* = ($	
0	-0.055 0.497		
0.5	0.268		
0.5	0.268		
colour (NC)			
0	-0.048 0.497		
0.5	0.266		
0.5	0.06g		

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

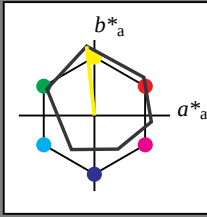
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0	4.75
LAB*LABa	95.41	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.98	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*LABb	75.01	-	-	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*LABb	0.01	0.01	-	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	92.88	-0.06	50.46	0.0
LAB*LABa	92.88	-5.12	45.87	0.0
LAB*LABb	75.0	46.15	96.38	0.0

relative CIELAB lab*

lab*lab	0.967	-0.055	0.497	0.0
lab*tch	0.75	0.5	0.268	0.0
lab*nch	0.0	0.5	0.268	0.0

relative Natural Colour (NC)

lab*trj	0.967	-0.048	0.497	0.0
lab*tce	0.75	0.5	0.266	0.0
lab*nce	0.0	0.5	0.266	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	73.54	-3.69	49.16	0.0
LAB*LABa	73.54	-5.12	45.88	0.0
LAB*LABb	50.0	46.16	96.38	0.0

relative CIELAB lab*

lab*lab	0.717	-0.055	0.497	0.0
lab*tch	0.75	0.5	0.268	0.0
lab*nch	0.0	0.5	0.268	0.0

relative Natural Colour (NC)

lab*trj	0.717	-0.048	0.498	0.0
lab*tce	0.75	0.5	0.266	0.0
lab*nce	0.0	0.5	0.266	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	54.19	-3.42	47.84	0.0
LAB*LABa	54.19	-5.12	45.87	0.0
LAB*LABb	25.01	46.15	96.38	0.0

relative CIELAB lab*

lab*lab	0.467	-0.055	0.497	0.0
lab*tch	0.25	0.5	0.268	0.0
lab*nch	0.0	0.5	0.268	0.0

relative Natural Colour (NC)

lab*trj	0.467	-0.048	0.497	0.0
lab*tce	0.25	0.5	0.266	0.0
lab*nce	0.0	0.5	0.266	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	36.1	2.4	23.68	0.0
LAB*LABa	36.1	-2.56	22.93	0.0
LAB*LABb	12.5	23.07	96.38	0.0

relative CIELAB lab*

lab*lab	0.234	-0.027	0.248	0.0
lab*tch	0.25	0.5	0.268	0.0
lab*nch	0.0	0.5	0.268	0.0

relative Natural Colour (NC)

lab*trj	0.234	-0.024	0.249	0.0
lab*tce	0.25	0.5	0.266	0.0
lab*nce	0.0	0.5	0.266	0.0

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

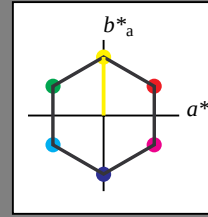
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0	4.75
LAB*LABa	95.41	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0
LAB*LABb	0.01	0.01	-	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

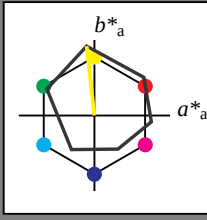
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	4.75
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.98	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	83.0	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	0.0	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.75	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	0.75	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	94.14	-3.52	27.6	0.0
LAB*LABa	94.14	-2.56	22.93	0.0
LAB*TCRa	87.5	23.07	96.38	0.0
relative CIELAB lab*				
lab*lab	0.984	-0.027	0.248	0.0
lab*tch	0.875	0.25	0.268	0.0
lab*nch	0.0	0.5	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.984	-0.024	0.249	0.0
lab*tce	0.875	0.25	0.266	0.0
lab*nce	0.0	0.25	0.068	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	74.8	-3.15	26.3	0.0
LAB*LABa	74.8	-2.56	22.94	0.0
LAB*TCRa	62.5	23.07	96.38	0.0
relative CIELAB lab*				
lab*lab	0.734	-0.027	0.248	0.0
lab*tch	0.625	0.25	0.268	0.0
lab*nch	0.0	0.25	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.734	-0.024	0.249	0.0
lab*tce	0.625	0.25	0.266	0.0
lab*nce	0.25	0.25	0.068	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	55.45	-2.78	25.0	0.0
LAB*LABa	55.45	-2.56	22.94	0.0
LAB*TCRa	37.5	23.07	96.38	0.0
relative CIELAB lab*				
lab*lab	0.484	-0.027	0.248	0.0
lab*tch	0.375	0.25	0.268	0.0
lab*nch	0.0	0.25	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.484	-0.024	0.249	0.0
lab*tce	0.375	0.25	0.266	0.0
lab*nce	0.5	0.25	0.068	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	36.1	24	23.68	0.0
LAB*LABa	36.1	-2.56	22.93	0.0
LAB*TCRa	12.5	23.07	96.38	0.0
relative CIELAB lab*				
lab*lab	0.234	-0.027	0.248	0.0
lab*tch	0.125	0.25	0.268	0.0
lab*nch	0.0	0.25	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.234	-0.024	0.249	0.0
lab*tce	0.125	0.25	0.266	0.0
lab*nce	0.75	0.25	0.068	0.0

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.88	-5.12	45.87	0.0
LAB*LABa	92.88	-5.12	45.87	0.0
LAB*TCRa	75.0	46.15	96.38	0.0
relative CIELAB lab*				
lab*lab	0.967	-0.055	0.497	0.0
lab*tch	0.75	0.5	0.268	0.0
lab*nch	0.0	0.5	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.967	-0.048	0.497	0.0
lab*tce	0.75	0.5	0.266	0.0
lab*nce	0.0	0.5	0.068	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.25	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	73.54	-3.69	49.16	0.0
LAB*LABa	73.54	-5.12	45.88	0.0
LAB*TCRa	50.0	46.15	96.38	0.0
relative CIELAB lab*				
lab*lab	0.717	-0.055	0.497	0.0
lab*tch	0.625	0.5	0.268	0.0
lab*nch	0.0	0.5	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.717	-0.048	0.498	0.0
lab*tce	0.625	0.5	0.266	0.0
lab*nce	0.25	0.5	0.068	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	54.19	-5.32	47.84	0.0
LAB*LABa	54.19	-5.12	45.87	0.0
LAB*TCRa	25.01	46.15	96.38	0.0
relative CIELAB lab*				
lab*lab	0.467	-0.055	0.497	0.0
lab*tch	0.5	0.5	0.268	0.0
lab*nch	0.0	0.5	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.467	-0.048	0.497	0.0
lab*tce	0.5	0.5	0.266	0.0
lab*nce	0.5	0.5	0.068	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	36.1	24	23.68	0.0
LAB*LABa	36.1	-2.56	22.93	0.0
LAB*TCRa	12.5	23.07	96.38	0.0
relative CIELAB lab*				
lab*lab	0.234	-0.027	0.248	0.0
lab*tch	0.125	0.25	0.268	0.0
lab*nch	0.0	0.25	0.268	0.0
relative Natural Colour (NC)				
lab*trj	0.234	-0.024	0.249	0.0
lab*tce	0.125	0.25	0.266	0.0
lab*nce	0.75	0.25	0.068	0.0

$n^* = 0,25$

		%Regu
	$g^*_{H,rel}$	
	$g^*_{C,rel}$	

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

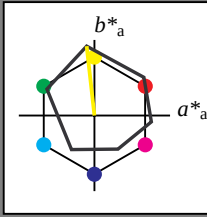
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.98	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	8.33
LAB*LABa	37.36	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	92.88	-0.06	50.46
LAB*LABa	92.88	-5.12	45.87
LAB*TCHa	75.0	46.15	96.38

relative CIELAB lab*

lab*lab	0.967	-0.055	0.497
lab*tch	0.75	0.5	0.268
lab*nch	0.0	0.5	0.268

relative Natural Colour (NC)

lab*trj	0.967	-0.048	0.497
lab*tce	0.75	0.5	0.266
lab*nce	0.0	0.5	0.266

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	73.54	-0.69	49.16
LAB*LABa	73.54	-5.12	45.88
LAB*TCHa	50.0	46.16	96.38

relative CIELAB lab*

lab*lab	0.717	-0.055	0.497
lab*tch	0.75	0.5	0.268
lab*nch	0.0	0.5	0.268

relative Natural Colour (NC)

lab*trj	0.717	-0.048	0.498
lab*tce	0.75	0.5	0.266
lab*nce	0.0	0.5	0.266

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	54.19	-5.32	47.84
LAB*LABa	54.19	-5.12	45.87
LAB*TCHa	25.01	46.15	96.38

relative CIELAB lab*

lab*lab	0.467	-0.055	0.497
lab*tch	0.25	0.5	0.268
lab*nch	0.0	0.5	0.268

relative Natural Colour (NC)

lab*trj	0.467	-0.048	0.497
lab*tce	0.25	0.5	0.266
lab*nce	0.0	0.5	0.266

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	36.1	2.4	23.68
LAB*LABa	36.1	-2.56	22.93
LAB*TCHa	12.5	23.07	96.38

relative CIELAB lab*

lab*lab	0.234	-0.027	0.248
lab*tch	0.125	0.25	0.268
lab*nch	0.0	0.25	0.268

relative Natural Colour (NC)

lab*trj	0.234	-0.024	0.249
lab*tce	0.125	0.25	0.266
lab*nce	0.0	0.25	0.266

$n^* = 0,50$

chromaticness c^*

1,00

0,75

0,25

0,00

blackness n^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

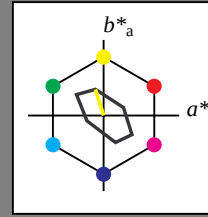
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*TCHa	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	80.36	-11.15	96.15
LAB*LABa	80.36	-10.25	91.73
LAB*TCHa	50.0	92.3	96.38

relative CIELAB lab*

lab*lab	0.935	-0.11	0.994
lab*tch	0.5	1.0	0.268
lab*nch	0.0	1.0	0.268

relative Natural Colour (NC)

lab*trj	0.935	-0.097	0.995
lab*tce	0.5	1.0	0.266
lab*nce	0.0	1.0	0.266

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*TCHa	25.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	94.67	-5.37	17.31
LAB*LABa	94.67	-5.37	17.31
LAB*TCHa	75.0	18.13	107.28

relative CIELAB lab*

lab*lab	0.971	-0.147	0.477
lab*tch	0.75	0.5	0.298
lab*nch	0.0	0.5	0.298

relative Natural Colour (NC)

lab*tr

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

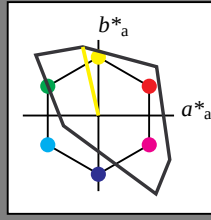
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0.75

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

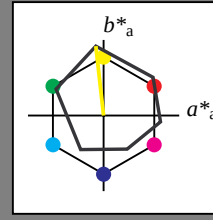
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0		
LAB*LABa	95.41	0.0	0.0		
LAB*TCRa	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	71.57	0.0	0.0		
LAB*LABa	71.57	0.0	0.0		
LAB*TCRa	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	47.72	0.0	0.0		
LAB*LABa	47.72	0.0	0.0		
LAB*TCRa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	-		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	23.87	0.0	0.0		
LAB*LABa	23.87	0.0	0.0		
LAB*TCRa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	0.03	0.0	0.0		
LAB*LABa	0.03	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	0.75	(1.0)	
cmyn3*	0.0	0.0	0.25	(0.0)	
olvi4*	1.0	1.0	0.75	(1.0)	
cmyn4*	0.0	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	94.71	5.16	22.68		
LAB*LABa	94.71	5.16	22.68		
LAB*TCRa	87.5	23.26	102.85		
relative CIELAB lab*					
lab*lab	0.993	-0.055	0.244		
lab*tch	0.875	0.25	0.286		
lab*nch	0.0	0.25	0.286		
relative Natural Colour (NC)					
lab*trj	0.993	-0.058	0.243		
lab*tce	0.875	0.25	0.286		
lab*nce	0.0	0.25	0.286		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.5	(1.0)	
cmyn3*	0.25	0.25	0.5	(0.0)	
olvi4*	1.0	1.0	0.5	(1.0)	
cmyn4*	0.0	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	70.91	5.17	22.69		
LAB*LABa	70.91	5.17	22.69		
LAB*TCRa	70.87	-5.17	22.69		
relative CIELAB lab*					
lab*lab	0.743	-0.058	0.243		
lab*tch	0.625	0.25	0.286		
lab*nch	0.25	0.25	0.286		
relative Natural Colour (NC)					
lab*trj	0.743	-0.058	0.243		
lab*tce	0.625	0.25	0.286		
lab*nce	0.25	0.25	0.286		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.25	(1.0)	
cmyn3*	0.5	0.5	0.25	(0.0)	
olvi4*	1.0	1.0	0.25	(1.0)	
cmyn4*	0.0	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	47.02	-5.17	22.69		
LAB*LABa	47.02	-5.17	22.69		
LAB*TCRa	47.02	-5.17	22.69		
relative CIELAB lab*					
lab*lab	0.493	-0.055	0.244		
lab*tch	0.375	0.25	0.286		
lab*nch	0.25	0.25	0.286		
relative Natural Colour (NC)					
lab*trj	0.493	-0.058	0.243		
lab*tce	0.375	0.25	0.286		
lab*nce	0.25	0.25	0.286		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.0	(1.0)	
cmyn3*	0.75	0.75	1.0	(0.0)	
olvi4*	1.0	1.0	0.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	23.17	-5.16	22.68		
LAB*LABa	23.17	-5.16	22.68		
LAB*TCRa	23.17	-5.16	22.68		
relative CIELAB lab*					
lab*lab	0.243	-0.055	0.244		
lab*tch	0.125	0.25	0.286		
lab*nch	0.75	0.25	0.286		
relative Natural Colour (NC)					
lab*trj	0.243	-0.058	0.243		
lab*tce	0.125	0.25	0.286		
lab*nce	0.75	0.25	0.286		

	0,25
--	------

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

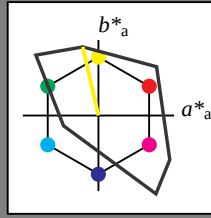
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	0.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	0.0	
lab*nce	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	0.0	
lab*nce	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	
LAB*LABa	23.87	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	0.0	
lab*nce	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	1.0	0.0	0.0	

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	94.03	10.34	45.37	
LAB*LABa	94.03	10.34	45.37	
LAB*TCRa	75.0	46.53	102.85	
relative CIELAB lab*				
lab*lab	0.993	-0.055	0.244	
lab*tch	0.875	0.25	0.286	
lab*nch	0.0	0.25	0.286	
relative Natural Colour (NC)				
lab*trj	0.993	-0.058	0.243	
lab*tce	0.875	0.25	0.288	
lab*nce	0.0	0.25	0.288	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	70.19	10.34	45.38	
LAB*LABa	70.19	10.34	45.38	
LAB*TCRa	50.0	46.54	102.85	
relative CIELAB lab*				
lab*lab	0.736	-0.11	0.487	
lab*tch	0.625	0.25	0.286	
lab*nch	0.0	0.25	0.286	
relative Natural Colour (NC)				
lab*trj	0.736	-0.116	0.486	
lab*tce	0.625	0.25	0.288	
lab*nce	0.0	0.25	0.288	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	46.34	10.34	45.37	
LAB*LABa	46.34	10.34	45.37	
LAB*TCRa	25.01	46.53	102.85	
relative CIELAB lab*				
lab*lab	0.486	-0.11	0.487	
lab*tch	0.25	0.5	0.286	
lab*nch	0.0	0.5	0.286	
relative Natural Colour (NC)				
lab*trj	0.486	-0.116	0.486	
lab*tce	0.25	0.5	0.288	
lab*nce	0.0	0.5	0.288	

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.5	(1.0)
cmyn3*	0.75	0.75	1.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	23.17	10.34	45.37	
LAB*LABa	23.17	10.34	45.37	
LAB*TCRa	12.5	46.53	102.85	
relative CIELAB lab*				
lab*lab	0.243	-0.055	0.244	
lab*tch	0.125	0.25	0.286	
lab*nch	0.0	0.25	0.286	
relative Natural Colour (NC)				
lab*trj	0.243	-0.058	0.243	
lab*tce	0.125	0.25	0.288	
lab*nce	0.0	0.25	0.288	

$n^* = 0,25$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	1.0	0.0	0.0	

$n^* = 0,00$

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

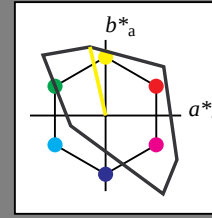
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	0.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lrj	0.75	0.0	0.0	
lab*lcw	0.75	0.0	0.0	
lab*nce	0.25	0.0	-	

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

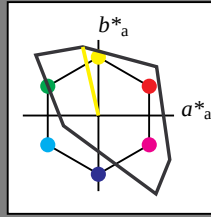
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	0.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	0.0	
lab*nce	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	0.0	
lab*nce	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	
LAB*LABa	23.87	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	0.0	
lab*nce	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	0.0	
lab*nce	1.0	0.0	0.0	

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.75	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	0.75	1.0
cmyn4*	0.0	0.0	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	94.71	5.16	22.68	
LAB*LABa	94.71	5.16	22.68	
LAB*TCRa	97.5	23.27	102.85	
relative CIELAB lab*				
lab*lab	0.993	-0.055	0.244	
lab*tch	0.875	0.25	0.286	
lab*nch	0.0	0.25	0.286	
relative Natural Colour (NC)				
lab*trj	0.993	-0.058	0.243	
lab*tce	0.875	0.25	0.288	
lab*nce	0.0	0.25	0.288	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	0.75
cmyn4*	0.0	0.0	0.25	0.25
standard and adapted CIELAB				
LAB*LAB	70.91	5.17	22.69	
LAB*LABa	70.91	5.17	22.69	
LAB*TCRa	70.87	-5.17	22.69	
relative CIELAB lab*				
lab*lab	0.743	-0.058	0.243	
lab*tch	0.625	0.25	0.286	
lab*nch	0.25	0.25	0.286	
relative Natural Colour (NC)				
lab*trj	0.743	-0.058	0.243	
lab*tce	0.625	0.25	0.288	
lab*nce	0.25	0.25	0.288	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	1.0	1.0	0.25	0.5
cmyn4*	0.0	0.0	0.25	0.5
standard and adapted CIELAB				
LAB*LAB	47.02	-5.17	22.69	
LAB*LABa	47.02	-5.17	22.69	
LAB*TCRa	47.02	-5.17	22.69	
relative CIELAB lab*				
lab*lab	0.493	-0.055	0.244	
lab*tch	0.375	0.25	0.286	
lab*nch	0.25	0.25	0.286	
relative Natural Colour (NC)				
lab*trj	0.493	-0.058	0.243	
lab*tce	0.375	0.25	0.288	
lab*nce	0.25	0.25	0.288	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	
LAB*LABa	23.87	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	0.0	
lab*nce	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	0.0	
lab*nce	1.0	0.0	0.0	

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	1.0
cmyn4*	0.0	0.0	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	94.03	10.34	45.37	
LAB*LABa	94.03	10.34	45.37	
LAB*TCRa	75.0	46.53	102.85	
relative CIELAB lab*				
lab*lab	0.985	-0.11	0.487	
lab*tch	0.75	0.5	0.286	
lab*nch	0.0	0.5	0.286	
relative Natural Colour (NC)				
lab*trj	0.985	-0.116	0.486	
lab*tce	0.75	0.5	0.288	
lab*nce	0.0	0.5	0.288	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.25	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	0.25	0.75
cmyn4*	0.0	0.0	0.25	0.25
standard and adapted CIELAB				
LAB*LAB	70.19	-10.34	45.38	
LAB*LABa	70.19	-10.34	45.38	
LAB*TCRa	70.19	-10.34	45.38	
relative CIELAB lab*				
lab*lab	0.736	-0.11	0.487	
lab*tch	0.625	0.25	0.286	
lab*nch	0.25	0.25	0.286	
relative Natural Colour (NC)				
lab*trj	0.736	-0.116	0.486	
lab*tce	0.625	0.25	0.288	
lab*nce	0.25	0.25	0.288	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.5	0.5
cmyn4*	0.0	0.0	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	46.34	-10.34	45.37	
LAB*LABa	46.34	-10.34	45.37	
LAB*TCb	25.01	46.53	102.85	
relative CIELAB lab*				
lab*lab	0.486	-0.11	0.487	
lab*tcch	0.25	0.5	0.286	
lab*ncch	0.5	0.5	0.286	
relative Natural Colour (NC)				
lab*ncE	0.486	-0.11	0.486	
lab*nce	0.25	0.5	0.288	
lab*nceE	0.5	0.5	0.15g	

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

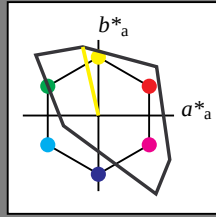
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 0.75 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.25 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 94.71 \ 5.16 \ 22.68$
 $LAB^*TCha \ 87.5 \ 23.26 \ 102.85$
 relative CIELAB lab*
 $lab^*lab \ 0.993 \ -0.055 \ 0.244$
 $lab^*tch \ 0.875 \ 0.25 \ 0.286$
 $lab^*nch \ 0.0 \ 0.25 \ 0.286$
 relative Natural Colour (NC)
 $lab^*trj \ 0.993 \ -0.058 \ 0.243$
 $lab^*tce \ 0.875 \ 0.25 \ 0.288$
 $lab^*nce \ 0.0 \ 0.25 \ 1158$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 0.5 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.25 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 70.91 \ 5.17 \ 22.69$
 $LAB^*TCha \ 70.87 \ -5.17 \ 22.69$
 relative CIELAB lab*
 $lab^*lab \ 0.743 \ -0.058 \ 0.243$
 $lab^*tch \ 0.625 \ 0.25 \ 0.286$
 $lab^*nch \ 0.25 \ 0.25 \ 0.286$
 relative Natural Colour (NC)
 $lab^*trj \ 0.743 \ -0.058 \ 0.243$
 $lab^*tce \ 0.625 \ 0.25 \ 0.288$
 $lab^*nce \ 0.25 \ 0.25 \ 1158$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 0.25 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.25 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.02 \ -5.17 \ 22.69$
 $LAB^*TCha \ 47.02 \ -5.17 \ 22.69$
 relative CIELAB lab*
 $lab^*lab \ 0.493 \ -0.055 \ 0.244$
 $lab^*tch \ 0.375 \ 0.25 \ 0.286$
 $lab^*nch \ 0.25 \ 0.25 \ 0.286$
 relative Natural Colour (NC)
 $lab^*trj \ 0.493 \ -0.058 \ 0.243$
 $lab^*tce \ 0.375 \ 0.25 \ 0.288$
 $lab^*nce \ 0.25 \ 0.25 \ 1158$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 0.75 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.25 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.17 \ -5.16 \ 22.68$
 $LAB^*TCha \ 23.17 \ -5.16 \ 22.68$
 relative CIELAB lab*
 $lab^*lab \ 0.243 \ -0.055 \ 0.244$
 $lab^*tch \ 0.125 \ 0.25 \ 0.286$
 $lab^*nch \ 0.75 \ 0.25 \ 0.286$
 relative Natural Colour (NC)
 $lab^*trj \ 0.243 \ -0.058 \ 0.243$
 $lab^*tce \ 0.125 \ 0.25 \ 0.288$
 $lab^*nce \ 0.75 \ 0.25 \ 1158$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 0.5 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.5 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 94.03 \ 10.34 \ 45.37$
 $LAB^*TCha \ 75.0 \ 46.53 \ 102.85$
 relative CIELAB lab*
 $lab^*lab \ 0.985 \ -0.11 \ 0.487$
 $lab^*tch \ 0.75 \ 0.5 \ 0.286$
 $lab^*nch \ 0.0 \ 0.5 \ 0.286$
 relative Natural Colour (NC)
 $lab^*trj \ 0.985 \ -0.116 \ 0.486$
 $lab^*tce \ 0.75 \ 0.5 \ 0.288$
 $lab^*nce \ 0.0 \ 0.5 \ 1158$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 0.25 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.25 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 70.19 \ 10.34 \ 45.38$
 $LAB^*TCha \ 70.19 \ 10.34 \ 45.38$
 relative CIELAB lab*
 $lab^*lab \ 0.736 \ -0.11 \ 0.487$
 $lab^*tch \ 0.625 \ 0.5 \ 0.286$
 $lab^*nch \ 0.25 \ 0.5 \ 0.286$
 relative Natural Colour (NC)
 $lab^*trj \ 0.736 \ -0.116 \ 0.486$
 $lab^*tce \ 0.625 \ 0.5 \ 0.288$
 $lab^*nce \ 0.25 \ 0.5 \ 1158$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 0.5 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.5 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 46.34 \ 10.34 \ 45.37$
 $LAB^*TCha \ 46.34 \ 10.34 \ 45.37$
 relative CIELAB lab*
 $lab^*lab \ 0.486 \ -0.11 \ 0.487$
 $lab^*tch \ 0.375 \ 0.5 \ 0.286$
 $lab^*nch \ 0.25 \ 0.5 \ 0.286$
 relative Natural Colour (NC)
 $lab^*trj \ 0.486 \ -0.116 \ 0.486$
 $lab^*tce \ 0.375 \ 0.5 \ 0.288$
 $lab^*nce \ 0.25 \ 0.5 \ 1158$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 0.25 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.25 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.17 \ -5.16 \ 22.68$
 $LAB^*TCha \ 23.17 \ -5.16 \ 22.68$
 relative CIELAB lab*
 $lab^*lab \ 0.243 \ -0.055 \ 0.244$
 $lab^*tch \ 0.125 \ 0.25 \ 0.286$
 $lab^*nch \ 0.75 \ 0.25 \ 0.286$
 relative Natural Colour (NC)
 $lab^*trj \ 0.243 \ -0.058 \ 0.243$
 $lab^*tce \ 0.125 \ 0.25 \ 0.288$
 $lab^*nce \ 0.75 \ 0.25 \ 1158$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

blackness n^*

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

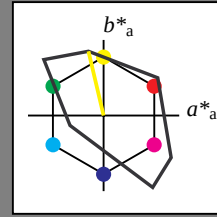
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 0.75 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.25 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 0.5 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.5 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 46.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 93.06 \ 102.85$
 relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 0.25 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.25 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

$n^* = 1,0$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 0.75 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.25 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 94.74 \ -5.0 \ 21.23$
 $LAB^*TCha \ 87.5 \ 21.82 \ 103.26$
 relative CIELAB lab*
 $lab^*lab \ 0.991 \ -0.056 \ 0.243$
 $lab^*tch \ 0.875 \ 0.25 \ 0.287$
 $lab^*nch \ 0.0 \ 0.25 \ 0.287$
 relative Natural Colour (NC)
 $lab^*trj \ 0.991 \ -0.06 \ 0.242$
 $lab^*tce \ 0.875 \ 0.25 \ 0.289$
 $lab^*nce \ 0.0 \ 0.25 \ 1158$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 0.5 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.25 \ 0.25$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

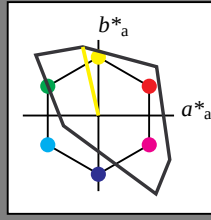
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	94.03	10.34	45.37
LAB*LABa	94.03	10.34	45.37
LAB*TCRa	75.0	46.53	102.85

relative CIELAB lab*

lab*lab	0.993	-0.055	0.244
lab*tch	0.875	0.25	0.286
lab*nch	0.0	0.5	0.286

relative Natural Colour (NC)

lab*trj	0.993	-0.058	0.243
lab*tce	0.875	0.25	0.288
lab*nce	0.0	0.25	0.158

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	70.19	-10.34	45.38
LAB*LABa	70.19	-10.34	45.38
LAB*TCRa	50.0	46.54	102.85

relative CIELAB lab*

lab*lab	0.743	-0.055	0.244
lab*tch	0.625	0.25	0.286
lab*nch	0.25	0.25	0.286

relative Natural Colour (NC)

lab*trj	0.743	-0.058	0.243
lab*tce	0.625	0.25	0.288
lab*nce	0.25	0.25	0.158

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	47.02	-5.17	22.69
LAB*LABa	47.02	-5.17	22.69
LAB*TCRa	37.5	23.27	102.85

relative CIELAB lab*

lab*lab	0.493	-0.055	0.244
lab*tch	0.375	0.25	0.286
lab*nch	0.25	0.25	0.286

relative Natural Colour (NC)

lab*trj	0.493	-0.058	0.243
lab*tce	0.375	0.25	0.288
lab*nce	0.25	0.25	0.158

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.17	-5.16	22.68
LAB*LABa	23.17	-5.16	22.68
LAB*TCRa	12.5	23.26	102.85

relative CIELAB lab*

lab*lab	0.243	-0.055	0.244
lab*tch	0.125	0.25	0.286
lab*nch	0.75	0.25	0.286

relative Natural Colour (NC)

lab*trj	0.243	-0.058	0.243
lab*tce	0.125	0.25	0.288
lab*nce	0.75	0.25	0.158

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

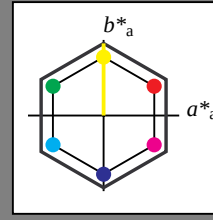
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCRa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCRa	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCRa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCRa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

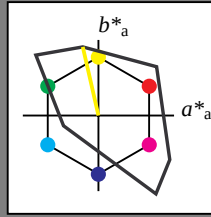
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	94.03	10.34	45.37
LAB*LABa	94.03	10.34	45.37
LAB*LABb	75.0	46.53	102.85

relative CIELAB lab*

lab*lab	0.993	-0.055	0.244
lab*tch	0.875	0.25	0.286
lab*nch	0.0	0.5	0.286

relative Natural Colour (NC)

lab*trj	0.993	-0.058	0.243
lab*tce	0.875	0.25	0.288
lab*nce	0.0	0.25	0.158

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	70.19	-10.34	45.38
LAB*LABa	70.19	-10.34	45.38
LAB*LABb	50.0	46.54	102.85

relative CIELAB lab*

lab*lab	0.743	-0.055	0.244
lab*tch	0.625	0.25	0.286
lab*nch	0.25	0.25	0.286

relative Natural Colour (NC)

lab*trj	0.743	-0.058	0.243
lab*tce	0.625	0.25	0.288
lab*nce	0.25	0.25	0.158

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	47.02	-5.17	22.69
LAB*LABa	47.02	-5.17	22.69
LAB*LABb	37.5	23.27	102.85

relative CIELAB lab*

lab*lab	0.493	-0.055	0.244
lab*tch	0.375	0.25	0.286
lab*nch	0.25	0.25	0.286

relative Natural Colour (NC)

lab*trj	0.493	-0.058	0.243
lab*tce	0.375	0.25	0.288
lab*nce	0.25	0.25	0.158

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.17	-5.16	22.68
LAB*LABa	23.17	-5.16	22.68
LAB*LABb	12.5	23.26	102.85

relative CIELAB lab*

lab*lab	0.243	-0.055	0.244
lab*tch	0.125	0.25	0.286
lab*nch	0.75	0.25	0.286

relative Natural Colour (NC)

lab*trj	0.243	-0.058	0.243
lab*tce	0.125	0.25	0.288
lab*nce	0.75	0.25	0.158

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

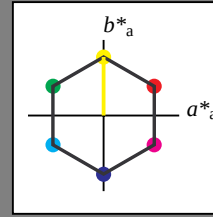
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	93.06	102.85

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	1.0
cmyn4*	0.0	0.0	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	82.5	0.0	38.69	
LAB*Lab _a	82.5	0.0	38.69	
LAB*TC _h A	75.0	38.69	90.0	
relative CIELAB lab*				
lab*lab	0.8333	0.0	0.5	
lab*ch	0.75	0.5	0.25	
lab*cnch	0.0	0.5	0.25	
relative Natural Colour (NC)				
lab*lrj	0.8333	0.027	0.499	
lab*tc _e	0.75	0.5	0.241	
lab*ncE	0.0	0.5	r96j	

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

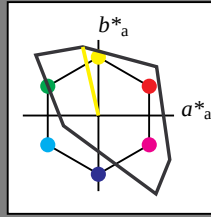
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)	olvi3*	1.0	1.0	1.0	(1.0)
	cmyn3*	0.0	0.0	0.0	(0.0)
	olvi4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	95.41	0.0	0.0	
	LAB*LABa	95.41	0.0	0.0	
	LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*	lab*lab	1.0	0.0	0.0	
	lab*tch	1.0	0.0	-	
	lab*nch	0.0	0.0	-	
relative Natural Colour (NC)	lab*trj	1.0	0.0	0.0	
	lab*tce	0.0	0.0	-	
	lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)	olvi3*	0.75	0.75	0.75	(1.0)
	cmyn3*	0.25	0.25	0.25	(0.0)
	olvi4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	71.57	0.0	0.0	
	LAB*LABa	71.57	0.0	0.0	
	LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*	lab*lab	0.75	0.0	0.0	
	lab*tch	0.75	0.0	-	
	lab*nch	0.0	0.0	-	
relative Natural Colour (NC)	lab*trj	0.75	0.0	0.0	
	lab*tce	0.25	0.0	-	
	lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)	olvi3*	0.5	0.5	0.5	(1.0)
	cmyn3*	0.5	0.5	0.5	(0.0)
	olvi4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	47.72	0.0	0.0	
	LAB*LABa	47.72	0.0	0.0	
	LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*	lab*lab	0.5	0.0	0.0	
	lab*tch	0.5	0.0	-	
	lab*nch	0.0	0.0	-	
relative Natural Colour (NC)	lab*trj	0.5	0.0	0.0	
	lab*tce	0.5	0.0	-	
	lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)	olvi3*	0.25	0.25	0.25	(1.0)
	cmyn3*	0.75	0.75	0.75	(0.0)
	olvi4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	23.87	0.0	0.0	
	LAB*LABa	23.87	0.0	0.0	
	LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*	lab*lab	0.25	0.0	0.0	
	lab*tch	0.25	0.0	-	
	lab*nch	0.0	0.0	-	
relative Natural Colour (NC)	lab*trj	0.25	0.0	0.0	
	lab*tce	0.25	0.0	-	
	lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)	olvi3*	0.0	0.0	0.0	(1.0)
	cmyn3*	1.0	1.0	1.0	(0.0)
	olvi4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	0.03	0.0	0.0	
	LAB*LABa	0.03	0.0	0.0	
	LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*	lab*lab	0.0	0.0	0.0	
	lab*tch	0.0	0.0	-	
	lab*nch	0.0	0.0	-	
relative Natural Colour (NC)	lab*trj	0.0	0.0	0.0	
	lab*tce	0.0	0.0	-	
	lab*nce	0.0	0.0	-	

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)	olvi3*	1.0	1.0	0.5	(1.0)
	cmyn3*	0.0	0.0	0.5	(0.0)
	olvi4*	1.0	1.0	0.5	(1.0)
	cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB	LAB*LAB	94.03	10.34	45.37	
	LAB*LABa	94.03	10.34	45.37	
	LAB*TCRa	75.0	46.53	102.85	
relative CIELAB lab*	lab*lab	0.993	-0.055	0.244	
	lab*tch	0.875	0.25	0.286	
	lab*nch	0.0	0.5	0.286	
relative Natural Colour (NC)	lab*trj	0.993	-0.058	0.243	
	lab*tce	0.875	0.25	0.288	
	lab*nce	0.0	0.25	0.158	

relative Inform. Technology (IT)	olvi3*	0.75	0.75	0.5	(1.0)
	cmyn3*	0.25	0.25	0.5	(0.0)
	olvi4*	1.0	1.0	0.5	(1.0)
	cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB	LAB*LAB	70.9	10.34	45.38	
	LAB*LABa	70.9	10.34	45.38	
	LAB*TCRa	70.9	10.34	45.38	
relative CIELAB lab*	lab*lab	0.736	-0.11	0.487	
	lab*tch	0.625	0.25	0.286	
	lab*nch	0.0	0.5	0.286	
relative Natural Colour (NC)	lab*trj	0.736	-0.116	0.486	
	lab*tce	0.625	0.25	0.288	
	lab*nce	0.0	0.25	0.158	

relative Inform. Technology (IT)	olvi3*	0.5	0.5	0.5	(1.0)
	cmyn3*	0.5	0.5	0.5	(0.0)
	olvi4*	1.0	1.0	0.5	(1.0)
	cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB	LAB*LAB	46.34	10.34	45.37	
	LAB*LABa	46.34	10.34	45.37	
	LAB*TCRa	50.0	46.53	102.85	
relative CIELAB lab*	lab*lab	0.486	-0.11	0.487	
	lab*tch	0.25	0.5	0.286	
	lab*nch	0.0	0.5	0.286	
relative Natural Colour (NC)	lab*trj	0.486	-0.116	0.486	
	lab*tce	0.25	0.5	0.288	
	lab*nce	0.0	0.25	0.158	

relative Inform. Technology (IT)	olvi3*	0.25	0.25	0.5	(1.0)
	cmyn3*	0.75	0.75	0.5	(0.0)
	olvi4*	1.0	1.0	0.5	(1.0)
	cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB	LAB*LAB	23.17	10.34	45.37	
	LAB*LABa	23.17	10.34	45.37	
	LAB*TCRa	25.0	46.53	102.85	
relative CIELAB lab*	lab*lab	0.243	-0.055	0.244	
	lab*tch	0.243	0.25	0.286	
	lab*nch	0.0	0.25	0.286	
relative Natural Colour (NC)	lab*trj	0.243	-0.058	0.243	
	lab*tce	0.243	0.25	0.288	
	lab*nce	0.0	0.25	0.158	

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

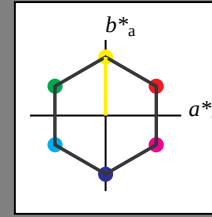
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)	olvi3*	1.0	1.0	1.0	(1.0)
	cmyn3*	0.0	0.0	0.0	(0.0)
	olvi4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	95.41	0.0	0.0	
	LAB*LABa	95.41	0.0	0.0	
	LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*	lab*lab	1.0	0.0	0.0	
	lab*tch	1.0	0.0	-	
	lab*nch	0.0	0.0	-	
relative Natural Colour (NC)	lab*trj	1.0	0.0	0.0	
	lab*tce	0.0	0.0	-	
	lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)	olvi3*	0.75	0.75	0.75	(1.0)
	cmyn3*	0.25	0.25	0.25	(0.0)
	olvi4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	76.07	0.0	0.0	
	LAB*LABa	76.07	0.0	0.0	
	LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*	lab*lab	0.75	0.0	0.0	
	lab*tch	0.75	0.0	-	
	lab*nch	0.0	0.0	-	
relative Natural Colour (NC)	lab*trj	0.75	0.0	0.0	
	lab*tce	0.25	0.0	-	
	lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)	olvi3*	0.5	0.5	0.5	(1.0)
	cmyn3*	0.5	0.5	0.5	(0.0)
	olvi4*	1.0	1.0	0.5	(1.0)
	cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB	LAB*LAB	46.72	0.0	0.0	
	LAB*LABa	46.72	0.0	0.0	
	LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*	lab*lab	0.5	0.0	0.0	
	lab*tch	0.5	0.0	-	
	lab*nch	0.0	0.0	-	
relative Natural Colour (NC)	lab*trj	0.5	0.0	0.0	
	lab*tce	0.5	0.0	-	
	lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)	olvi3*	0.25	0.25	0.25	(1.0)
	cmyn3*	0.75	0.75	0.75	(0.0)
	olvi4*	1.0	1.0	0.5	(1.0)
	cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB	LAB*LAB	23.37	0.0	0.0	
	LAB*LABa	23.37	0.0	0.0	
	LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*	lab*lab	0.25	0.0	0.0	
	lab*tch	0.25	0.0	-	
	lab*nch	0.0	0.0	-	
relative Natural Colour (NC)	lab*trj	0.25	0.0	0.0	
	lab*tce	0.25	0.0	-	
	lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)	olvi3*	0.0	0.0	0.0	(1.0)
	cmyn3*	1.0	1.0	1.0	(0.0)
	olvi4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	18.03	0.0	0.0	
	LAB*LABa	18.03	0.0	0.0	
	LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*	lab*lab	0.0	0.0	0.0	
	lab*tch	0.0	0.0	-	
	lab*nch	0.0	0.0	-	
relative Natural Colour (NC)	lab*trj	0.0	0.0	0.0	
	lab*tce	0.0	0.0	-	
	lab*nce	0.0	0.0	-	

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

Technology (IT)	1.0	0.5	1.0
	0.0	0.5	(0.0)
	1.0	0.5	1.0
	0.0	0.5	0.0
apted CIELAB	06	0.0	38.69
	06	0.0	38.69
	00	38.69	90.0
B lab*	5	0.0	0.5
	5	0.5	0.25
	5	0.5	0.25
Colour (NC)	5	0.027	0.499
	5	0.5	0.241
	5	0.5	0.241
relative Inform	olvi3*	1.0	1.0
	cmyn3*	0.0	0.0
	olvi4*	1.0	1.0
	cmyn4*	0.0	0.0
standard and a	LAB*LAB	66	66

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

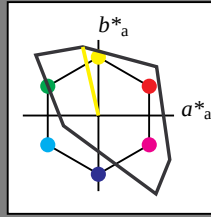
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCh	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCh	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCh	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCh	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCh	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	94.03	10.34	45.37
LAB*LABa	94.03	10.34	45.37
LAB*TCh	75.0	46.53	102.85

relative CIELAB lab*

lab*lab	0.993	-0.055	0.244
lab*tch	0.875	0.25	0.286
lab*nch	0.0	0.25	0.286

relative Natural Colour (NC)

lab*trj	0.993	-0.058	0.243
lab*tce	0.875	0.25	0.288
lab*nce	0.0	0.25	0.158

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	70.19	10.34	45.38
LAB*LABa	70.19	10.34	45.38
LAB*TCh	50.0	46.54	102.85

relative CIELAB lab*

lab*lab	0.743	-0.058	0.243
lab*tch	0.625	0.25	0.286
lab*nch	0.25	0.25	0.286

relative Natural Colour (NC)

lab*trj	0.743	-0.058	0.243
lab*tce	0.625	0.25	0.288
lab*nce	0.25	0.25	0.158

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	47.02	10.34	45.38
LAB*LABa	47.02	10.34	45.38
LAB*TCh	37.5	46.54	102.85

relative CIELAB lab*

lab*lab	0.493	-0.055	0.244
lab*tch	0.375	0.25	0.286
lab*nch	0.25	0.25	0.286

relative Natural Colour (NC)

lab*trj	0.493	-0.058	0.243
lab*tce	0.375	0.25	0.288
lab*nce	0.25	0.25	0.158

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.17	10.34	45.38
LAB*LABa	23.17	10.34	45.38
LAB*TCh	12.5	46.54	102.85

relative CIELAB lab*

lab*lab	0.243	-0.055	0.244
lab*tch	0.125	0.25	0.286
lab*nch	0.25	0.25	0.286

relative Natural Colour (NC)

lab*trj	0.243	-0.058	0.243
lab*tce	0.125	0.25	0.288
lab*nce	0.25	0.25	0.158

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

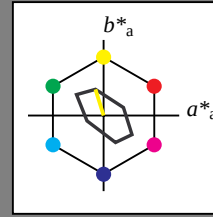
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCh	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*TCh	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*TCh	50.0	93.06	102.85

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*TCh	25.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*TCh	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

Input: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 99/360 = 0.275$

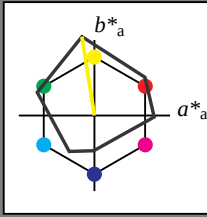
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	96.31	0.0	0.0	2.58
LAB*LABa	96.31	0.0	0.0	2.58
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	-
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	-
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	-
LAB*LABa	76.38	0.0	0.0	-
LAB*LABb	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	-
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	-
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	-
LAB*LABa	56.44	0.0	0.0	-
LAB*LABb	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	-
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	-
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	36.5	-1.09	2.19	-
LAB*LABa	36.5	0.0	0.0	-
LAB*LABb	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	-
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	-
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	-
LAB*LABa	16.57	0.0	0.0	-
LAB*LABb	0.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	-
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	-
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	94.81	-4.26	28.65	-
LAB*LABa	94.81	-4.12	26.07	-
LAB*LABb	94.81	26.4	99.0	-
relative CIELAB lab*				
lab*lab	0.981	-0.038	0.247	-
lab*tch	0.981	0.25	0.275	-
lab*nch	0.0	0.25	0.275	-
relative Natural Colour (NC)				
lab*trj	0.981	-0.038	0.247	-
lab*tce	0.25	0.25	0.274	-
lab*nce	0.0	0.25	0.274	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	74.9	-4.39	28.53	-
LAB*LABa	74.9	-4.12	26.08	-
LAB*LABb	74.9	26.41	99.0	-
relative CIELAB lab*				
lab*lab	0.731	-0.036	0.247	-
lab*tch	0.731	0.25	0.275	-
lab*nch	0.0	0.25	0.275	-
relative Natural Colour (NC)				
lab*trj	0.731	-0.036	0.247	-
lab*tce	0.25	0.25	0.274	-
lab*nce	0.0	0.25	0.274	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	-
LAB*LABa	56.44	0.0	0.0	-
LAB*LABb	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	-
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	-
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	36.5	-1.09	2.19	-
LAB*LABa	36.5	0.0	0.0	-
LAB*LABb	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	-
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	-
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	-
LAB*LABa	16.57	0.0	0.0	-
LAB*LABb	0.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	-
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	-
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.75	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	35.0	-5.24	28.26	-
LAB*LABa	35.0	-4.12	26.07	-
LAB*LABb	35.0	26.4	99.0	-
relative CIELAB lab*				
lab*lab	0.231	-0.038	0.247	-
lab*tch	0.231	0.25	0.275	-
lab*nch	0.0	0.25	0.275	-
relative Natural Colour (NC)				
lab*trj	0.231	-0.038	0.247	-
lab*tce	0.25	0.25	0.274	-
lab*nce	0.0	0.25	0.274	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	-
LAB*LABa	16.57	0.0	0.0	-
LAB*LABb	0.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	-
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	-
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	-
LAB*LABa	16.57	0.0	0.0	-
LAB*LABb	0.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	-
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	-
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

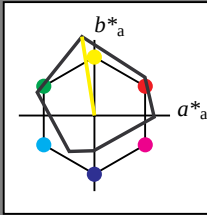
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	96.31	11.25	58.65		
LAB*LABa	96.31	0.0	0.0		
LAB*TCRa	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.38	-0.44	2.45		
LAB*LABa	76.38	0.0	0.0		
LAB*TCRa	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.44	-0.76	2.32		
LAB*LABa	56.44	0.0	0.0		
LAB*TCRa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	-		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	36.5	-1.09	2.19		
LAB*LABa	36.5	0.0	0.0		
LAB*TCRa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	16.57	-1.41	2.06		
LAB*LABa	16.57	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	0.75	(1.0)	
cmyn3*	0.0	0.0	0.25	(0.0)	
olvi4*	1.0	1.0	0.75	(1.0)	
cmyn4*	0.0	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	94.81	-4.26	28.65		
LAB*LABa	94.81	0.0	0.0		
LAB*TCRa	97.5	-4.12	26.07		
relative CIELAB lab*					
lab*lab	0.981	-0.038	0.247		
lab*tch	0.875	0.25	0.275		
lab*nch	0.0	0.25	0.275		
relative Natural Colour (NC)					
lab*trj	0.981	-0.038	0.247		
lab*tce	0.875	0.25	0.274		
lab*nce	0.0	0.25	0.274		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.5	(1.0)	
cmyn3*	0.25	0.25	0.5	(0.0)	
olvi4*	1.0	1.0	0.5	(1.0)	
cmyn4*	0.0	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.93	-4.29	28.53		
LAB*LABa	74.93	0.0	0.0		
LAB*TCRa	74.87	-4.12	26.08		
relative CIELAB lab*					
lab*lab	0.731	-0.038	0.247		
lab*tch	0.625	0.25	0.275		
lab*nch	0.0	0.25	0.275		
relative Natural Colour (NC)					
lab*trj	0.731	-0.038	0.247		
lab*tce	0.625	0.25	0.274		
lab*nce	0.0	0.25	0.274		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.25	(1.0)	
cmyn3*	0.5	0.5	0.25	(0.0)	
olvi4*	1.0	1.0	0.25	(1.0)	
cmyn4*	0.0	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	54.94	-4.92	28.4		
LAB*LABa	54.94	-4.12	26.08		
LAB*TCRa	37.5	-26.41	99.0		
relative CIELAB lab*					
lab*lab	0.481	-0.038	0.247		
lab*tch	0.375	0.25	0.275		
lab*nch	0.0	0.25	0.275		
relative Natural Colour (NC)					
lab*trj	0.481	-0.038	0.247		
lab*tce	0.375	0.25	0.274		
lab*nce	0.0	0.25	0.274		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.0	(1.0)	
cmyn3*	0.75	0.75	0.0	(0.0)	
olvi4*	1.0	1.0	0.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	35.0	-5.24	28.26		
LAB*LABa	35.0	-4.12	26.07		
LAB*TCRa	12.5	-26.4	99.0		
relative CIELAB lab*					
lab*lab	0.231	-0.038	0.247		
lab*tch	0.125	0.25	0.275		
lab*nch	0.0	0.25	0.275		
relative Natural Colour (NC)					
lab*trj	0.231	-0.038	0.247		
lab*tce	0.125	0.25	0.274		
lab*nce	0.0	0.25	0.274		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	0.0	(0.0)	
olvi4*	1.0	1.0	0.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	16.57	-1.41	2.06		
LAB*LABa	16.57	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	0.5	(1.0)	
cmyn3*	0.0	0.0	0.5	(0.0)	
olvi4*	1.0	1.0	0.5	(1.0)	
cmyn4*	0.0	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	93.1	-8.42	54.72		
LAB*LABa	93.1	-8.25	52.15		
LAB*TCRa	75.0	52.8	99.0		
relative CIELAB lab*					
lab*lab	0.962	-0.077	0.494		
lab*tch	0.75	0.5	0.275		
lab*nch	0.0	0.5	0.275		
relative Natural Colour (NC)					
lab*trj	0.962	-0.077	0.494		
lab*tce	0.75	0.5	0.274		
lab*nce	0.0	0.5	0.274		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.25	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	0.25	(1.0)	
cmyn4*	0.0	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	73.38	-8.75	54.61		

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

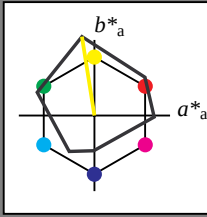
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	96.31	0.0	0.0	2.58
LAB*LABa	96.31	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	11
LAB*LABa	76.38	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	11
LAB*LABa	56.44	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	36.5	-1.09	2.19	11
LAB*LABa	36.5	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	11
LAB*LABa	16.57	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.75	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	0.75	1.0
cmyn4*	0.0	0.0	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	94.81	-4.26	28.65	11
LAB*LABa	94.81	0.0	0.0	0.0
LAB*TCRa	97.5	-4.12	26.07	11
relative CIELAB lab*				
lab*lab	0.981	-0.038	0.247	11
lab*tch	0.875	0.25	0.275	11
lab*nch	0.0	0.25	0.275	11
relative Natural Colour (NC)				
lab*trj	0.981	-0.038	0.247	11
lab*tce	0.875	0.25	0.274	11
lab*nce	0.0	0.25	0.274	11

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	1.0
cmyn4*	0.0	0.0	0.25	0.25
standard and adapted CIELAB				
LAB*LAB	74.93	-4.39	28.53	11
LAB*LABa	74.93	0.0	0.0	0.0
LAB*TCRa	74.87	-4.12	26.08	11
relative CIELAB lab*				
lab*lab	0.731	-0.036	0.247	11
lab*tch	0.625	0.25	0.275	11
lab*nch	0.25	0.25	0.275	11
relative Natural Colour (NC)				
lab*trj	0.731	-0.036	0.247	11
lab*tce	0.625	0.25	0.274	11
lab*nce	0.25	0.25	0.274	11

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	1.0	1.0	0.25	1.0
cmyn4*	0.0	0.0	0.5	0.25
standard and adapted CIELAB				
LAB*LAB	54.94	-4.92	28.4	11
LAB*LABa	54.94	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.1	(1.0)
cmyn3*	0.75	0.75	0.1	(0.0)
olvi4*	1.0	1.0	0.1	1.0
cmyn4*	0.0	0.0	0.5	0.1
standard and adapted CIELAB				
LAB*LAB	37.5	-5.24	28.26	11
LAB*LABa	37.5	0.0	0.0	0.0
LAB*TCRa	37.5	-5.24	26.07	11
relative CIELAB lab*				
lab*lab	0.481	-0.038	0.247	11
lab*tch	0.375	0.25	0.275	11
lab*nch	0.25	0.25	0.275	11
relative Natural Colour (NC)				
lab*trj	0.481	-0.038	0.247	11
lab*tce	0.375	0.25	0.274	11
lab*nce	0.25	0.25	0.274	11

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	11
LAB*LABa	16.57	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.5	1.0
cmyn4*	0.0	0.0	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	53.44	-3.07	54.46	11
LAB*LABa	53.44	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.462	-0.077	0.494	11
lab*tch	0.25	0.5	0.275	11
lab*nch	0.0	0.5	0.275	11
relative Natural Colour (NC)				
lab*trj	0.462	-0.077	0.494	11
lab*tce	0.25	0.5	0.274	11
lab*nce	0.0	0.5	0.274	11

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.25	1.0
cmyn4*	0.0	0.0	0.25	0.25
standard and adapted CIELAB				
LAB*LAB	35.0	-5.24	28.26	11
LAB*LABa	35.0	0.0	0.0	0.0
LAB*TCRa	35.0	-5.24	26.07	11
relative CIELAB lab*				
lab*lab	0.231	-0.038	0.247	11
lab*tch	0.125	0.25	0.275	11
lab*nch	0.25	0.25	0.275	11
relative Natural Colour (NC)				
lab*trj	0.231	-0.038	0.247	11
lab*tce	0.125	0.25	0.274	11
lab*nce	0.25	0.25	0.274	11

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	11
LAB*LABa	16.57	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

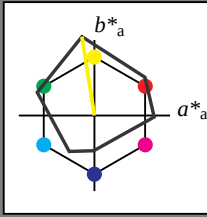
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.4	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	93.1	-0.42	54.72
LAB*LABa	93.31	-8.25	52.15
LAB*LABb	75.0	52.8	99.0

relative CIELAB lab*

lab*lab	0.981	-0.038	0.247
lab*tch	0.875	0.25	0.275
lab*nch	0.0	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.981	-0.036	0.247
lab*tce	0.875	0.25	0.274
lab*nce	0.0	0.25	0.274

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	73.38	-0.75	54.61
LAB*LABa	73.38	-8.25	52.16
LAB*LABb	50.0	52.81	99.0

relative CIELAB lab*

lab*lab	0.731	-0.036	0.247
lab*tch	0.625	0.25	0.275
lab*nch	0.25	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.731	-0.036	0.247
lab*tce	0.625	0.25	0.274
lab*nce	0.25	0.25	0.274

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	54.94	-0.92	28.4
LAB*LABa	54.94	-4.12	26.08
LAB*LABb	37.5	26.41	99.0

relative CIELAB lab*

lab*lab	0.481	-0.038	0.247
lab*tch	0.375	0.25	0.275
lab*nch	0.25	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.481	-0.036	0.247
lab*tce	0.375	0.25	0.274
lab*nce	0.25	0.25	0.274

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	35.0	-1.41	2.06
LAB*LABa	35.0	-4.12	26.07
LAB*LABb	12.5	26.4	99.0

relative CIELAB lab*

lab*lab	0.231	-0.038	0.247
lab*tch	0.125	0.25	0.275
lab*nch	0.0	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.231	-0.036	0.247
lab*tce	0.125	0.25	0.274
lab*nce	0.0	0.25	0.274

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

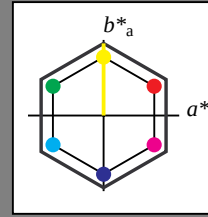
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.41	0.0	0.0
LAB*LABa	96.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	79.5	0.0	47.69
LAB*LABa	79.5	0.0	47.69
LAB*LABb	75.0	47.69	99.0

relative CIELAB lab*

lab*lab	0.833	0.0	0.5
lab*tch	0.75	0.25	0.275
lab*nch	0.0	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.833	0.027	0.499
lab*tce	0.75	0.25	0.241
lab*nce	0.0	0.25	0.241

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	55.66	0.0	47.7
LAB*LABa	55.66	0.0	47.7
LAB*LABb	50.0	47.7	99.0

relative CIELAB lab*

lab*lab	0.667	0.0	0.25
lab*tch	0.625	0.25	0.275
lab*nch	0.25	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.667	0.014	0.25
lab*tce	0.625	0.25	0.241
lab*nce	0.25	0.25	0.241

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	1.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.5)
standard and adapted CIELAB				
LAB*LAB	31.81	0.0	47.69	
LAB*LABa	31.81	0.0	47.69	
LAB*LABb	25.01	47.69	90.0	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.5	
lab*tch	0.375	0.5	0.25	
lab*mcn	0.5	0.5	0.25	
relative Natural Colour (NC)				
lab*lr	0.333	0.027	0.499	
lab*tc	0.25	0.5	0.241	
lab*mcE	1.0	0.5	0.961	

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

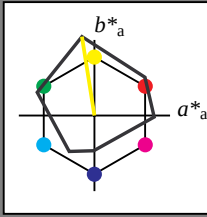
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.0 0.0
LAB*LABa 96.31 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 -0.44 2.45
LAB*LABa 76.38 0.0 0.0
LAB*TCRa 75.01 -0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 -0.76 2.32
LAB*LABa 56.44 0.0 0.0
LAB*TCRa 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 -1.09 2.19
LAB*LABa 36.5 0.0 0.0
LAB*TCRa 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 93.1 -0.42 54.72
LAB*LABa 93.1 -8.25 52.15
LAB*TCRa 75.01 52.8 99.0

relative CIELAB lab*
lab*lab 0.962 -0.077 0.494
lab*tch 0.75 0.5 0.275
lab*nch 0.0 0.5 0.275
relative Natural Colour (NC)
lab*trj 0.962 -0.073 0.494
lab*tce 0.75 0.5 0.274
lab*nce 0.0 0.5 0.274

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.38 -0.75 54.61
LAB*LABa 73.38 -8.25 52.16
LAB*TCRa 50.01 52.81 99.0

relative CIELAB lab*
lab*lab 0.712 -0.077 0.494
lab*tch 0.625 0.25 0.275
lab*nch 0.0 0.25 0.275
relative Natural Colour (NC)
lab*trj 0.712 -0.073 0.494
lab*tce 0.625 0.25 0.274
lab*nce 0.0 0.25 0.274

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.94 -0.92 28.4
LAB*LABa 54.94 -8.25 52.16
LAB*TCRa 37.5 26.41 99.0

relative CIELAB lab*
lab*lab 0.481 -0.038 0.247
lab*tch 0.375 0.25 0.275
lab*nch 0.0 0.25 0.275
relative Natural Colour (NC)
lab*trj 0.481 -0.036 0.247
lab*tce 0.375 0.25 0.274
lab*nce 0.0 0.25 0.274

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 -1.09 2.19
LAB*LABa 36.5 0.0 0.0
LAB*TCRa 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.231 -0.038 0.247
lab*tch 0.125 0.25 0.275
lab*nch 0.0 0.25 0.275
relative Natural Colour (NC)
lab*trj 0.231 -0.036 0.247
lab*tce 0.125 0.25 0.274
lab*nce 0.0 0.25 0.274

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

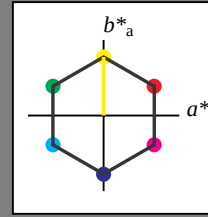
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.41 0.0 0.0
LAB*LABa 96.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.01 -0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 82.5 0.0 38.69
LAB*LABa 82.5 0.0 38.69
LAB*TCRa 75.01 38.69 99.0

relative CIELAB lab*
lab*lab 0.833 0.0 0.5
lab*tch 0.75 0.5 0.25
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*trj 0.833 0.027 0.499
lab*tce 0.75 0.5 0.241
lab*nce 0.0 0.5 0.241

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 63.16 0.0 38.7
LAB*LABa 63.16 0.0 38.7
LAB*TCRa 50.01 38.7 99.0

relative CIELAB lab*
lab*lab 0.583 0.0 0.5
lab*tch 0.5 0.5 0.25
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*trj 0.583 0.027 0.499
lab*tce 0.5 0.5 0.241
lab*nce 0.0 0.5 0.241

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 38.7
LAB*LABa 56.71 0.0 38.7
LAB*TCRa 50.01 38.7 99.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.5
lab*tch 0.5 0.0 0.5
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.5
lab*tce 0.5 0.0 0.5
lab*nce 0.0 0.5 0.25

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 99/360 = 0.275 (left)

5 step scales for constant CIELAB hue 90/360 = 0.25 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

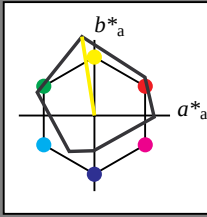
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.4	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	93.1	-0.42	54.72
LAB*LABa	93.31	-8.25	52.15
LAB*LABb	75.0	52.8	99.0

relative CIELAB lab*

lab*lab	0.981	-0.038	0.247
lab*tch	0.875	0.25	0.275
lab*nch	0.0	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.981	-0.038	0.247
lab*tce	0.875	0.25	0.274
lab*nce	0.0	0.25	0.274

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	73.38	-0.75	54.61
LAB*LABa	73.38	-8.25	52.16
LAB*LABb	50.0	52.8	99.0

relative CIELAB lab*

lab*lab	0.712	-0.077	0.494
lab*tch	0.625	0.25	0.275
lab*nch	0.0	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.712	-0.077	0.494
lab*tce	0.625	0.25	0.274
lab*nce	0.0	0.25	0.274

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	54.94	-4.92	28.4
LAB*LABa	54.94	-4.12	26.07
LAB*LABb	37.5	26.41	99.0

relative CIELAB lab*

lab*lab	0.481	-0.038	0.247
lab*tch	0.375	0.25	0.275
lab*nch	0.0	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.481	-0.038	0.247
lab*tce	0.375	0.25	0.274
lab*nce	0.0	0.25	0.274

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	35.0	5.24	28.26
LAB*LABa	35.0	-4.12	26.07
LAB*LABb	12.5	26.4	99.0

relative CIELAB lab*

lab*lab	0.231	-0.038	0.247
lab*tch	0.125	0.25	0.275
lab*nch	0.0	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.231	-0.038	0.247
lab*tce	0.125	0.25	0.274
lab*nce	0.0	0.25	0.274

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.25	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	91.81	-12.57	80.84
LAB*LABa	91.81	-12.38	78.24
LAB*LABb	62.5	79.21	99.0

relative CIELAB lab*

lab*lab	0.944	-0.116	0.741
lab*tch	0.625	0.25	0.275
lab*nch	0.0	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.944	-0.116	0.741
lab*tce	0.625	0.25	0.274
lab*nce	0.0	0.25	0.274

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.0	(1.0)
cmyn3*	0.25	0.25	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	73.38	-0.75	54.61
LAB*LABa	73.38	-8.25	52.16
LAB*LABb	50.0	52.8	99.0

relative CIELAB lab*

lab*lab	0.712	-0.077	0.494
lab*tch	0.625	0.25	0.275
lab*nch	0.0	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.712	-0.077	0.494
lab*tce	0.625	0.25	0.274
lab*nce	0.0	0.25	0.274

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	54.94	-4.92	28.4
LAB*LABa	54.94	-4.12	26.07
LAB*LABb	37.5	26.41	99.0

relative CIELAB lab*

lab*lab	0.481	-0.038	0.247
lab*tch	0.375	0.25	0.275
lab*nch	0.0	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.481	-0.038	0.247
lab*tce	0.375	0.25	0.274
lab*nce	0.0	0.25	0.274

$n^* = 0,25$

blackness n^*

chromaticness c^*

$n^* = 0,00$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*LABb	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*ch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 99/360 = 0.275$

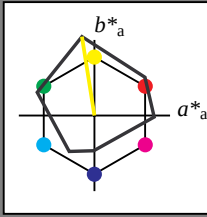
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	11.25	5.68
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.01	-	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.01	-	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.01	-	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.01	-	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	93.1	-0.42	54.72
LAB*LABa	93.1	-8.25	52.15
LAB*LABb	75.01	52.8	99.0

relative CIELAB lab*

lab*lab	0.981	-0.038	0.247
lab*tch	0.875	0.25	0.298
lab*nch	0.0	0.25	0.298

relative Natural Colour (NC)

lab*trj	0.981	-0.038	0.247
lab*tce	0.875	0.25	0.298
lab*nce	0.0	0.25	0.298

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	73.38	-0.75	54.61
LAB*LABa	73.38	-8.25	52.16
LAB*LABb	50.01	52.81	99.0

relative CIELAB lab*

lab*lab	0.731	-0.036	0.247
lab*tch	0.625	0.25	0.275
lab*nch	0.0	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.731	-0.036	0.247
lab*tce	0.625	0.25	0.274
lab*nce	0.0	0.25	0.274

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	54.94	-0.92	28.4
LAB*LABa	54.94	-4.12	26.08
LAB*LABb	37.5	26.41	99.0

relative CIELAB lab*

lab*lab	0.481	-0.038	0.247
lab*tch	0.375	0.25	0.275
lab*nch	0.0	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.481	-0.038	0.247
lab*tce	0.375	0.25	0.274
lab*nce	0.0	0.25	0.274

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.5	(1.0)
cmyn3*	0.75	0.75	1.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	35.0	-1.09	2.19
LAB*LABa	35.0	-4.12	26.07
LAB*LABb	25.01	52.8	99.0

relative CIELAB lab*

lab*lab	0.231	-0.038	0.247
lab*tch	0.125	0.25	0.275
lab*nch	0.0	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.231	-0.038	0.247
lab*tce	0.125	0.25	0.274
lab*nce	0.0	0.25	0.274

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.25	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	91.81	-12.57	80.8
LAB*LABa	91.81	-12.38	78.24
LAB*LABb	62.5	79.21	99.0

relative CIELAB lab*

lab*lab	0.944	-0.116	0.241
lab*tch	0.825	0.25	0.275
lab*nch	0.0	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.944	-0.116	0.241
lab*tce	0.825	0.25	0.274
lab*nce	0.0	0.25	0.274

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.0	(1.0)
cmyn3*	0.25	0.25	1.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.88	-12.9	80.67
LAB*LABa	71.88	-12.38	78.24
LAB*LABb	37.51	79.21	99.0

relative CIELAB lab*

lab*lab	0.712	-0.077	0.494
lab*tch	0.625	0.25	0.275
lab*nch	0.0	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.712	-0.077	0.494
lab*tce	0.625	0.25	0.274
lab*nce	0.0	0.25	0.274

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	1.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	53.44	-0.97	54.66
LAB*LABa	53.44	-8.25	52.15
LAB*LABb	25.01	52.8	99.0

relative CIELAB lab*

lab*lab	0.462	-0.077	0.494
lab*tch	0.375	0.25	0.275
lab*nch	0.0	0.25	0.275

relative Natural Colour (NC)

lab*trj	0.462	-0.077	0.494
lab*tce	0.375	0.25	0.274
lab*nce	0.0	0.25	0.274

$n^* = 0,25$

blackness n^*

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

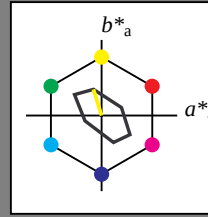
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.04	-2.68	8.65
LAB*LABa	95.04	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.01	-	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	85.56	0.0	0.0
LAB*LABa	85.56	0.0	0.0
LAB*LABb	50.01	-	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	25.01	-	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.01	-	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0
---------	-----	---

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

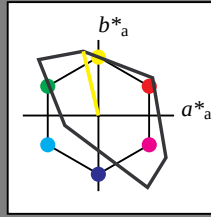
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*tch \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $lab^*nch \ 0.0 \ 0.0 \ 0.25 \ 0.25$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*tce \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $lab^*nce \ 0.25 \ 0.25 \ 0.25 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tch \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $lab^*nch \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $lab^*nce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tch \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $lab^*nch \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $lab^*nce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ 0.0$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ 0.0$

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 94.74 \ -5.0 \ 21.23$
 $LAB^*TCha \ 94.74 \ -5.0 \ 21.23$
 $LAB^*TCha \ 87.5 \ 21.82 \ 103.26$

relative CIELAB lab*
 $lab^*lab \ 0.991 \ -0.056 \ 0.243$
 $lab^*tch \ 0.875 \ 0.25 \ 0.287$
 $lab^*nch \ 0.0 \ 0.25 \ 0.287$
 relative Natural Colour (NC)
 $lab^*trj \ 0.991 \ -0.056 \ 0.243$
 $lab^*tce \ 0.875 \ 0.25 \ 0.287$
 $lab^*nce \ 0.0 \ 0.25 \ 0.287$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 75.39 \ -5.0 \ 21.24$
 $LAB^*TCha \ 75.39 \ -5.0 \ 21.24$
 $LAB^*TCha \ 62.5 \ 21.82 \ 103.26$

relative CIELAB lab*
 $lab^*lab \ 0.741 \ -0.056 \ 0.243$
 $lab^*tch \ 0.625 \ 0.25 \ 0.287$
 $lab^*nch \ 0.25 \ 0.25 \ 0.287$
 relative Natural Colour (NC)
 $lab^*trj \ 0.741 \ -0.056 \ 0.243$
 $lab^*tce \ 0.625 \ 0.25 \ 0.287$
 $lab^*nce \ 0.25 \ 0.25 \ 0.287$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ -5.0 \ 21.24$
 $LAB^*TCha \ 56.72 \ -5.0 \ 21.24$
 $LAB^*TCha \ 50.0 \ 43.65 \ 103.26$

relative CIELAB lab*
 $lab^*lab \ 0.733 \ -0.114 \ 0.487$
 $lab^*tch \ 0.375 \ 0.25 \ 0.287$
 $lab^*nch \ 0.25 \ 0.5 \ 0.287$
 relative Natural Colour (NC)
 $lab^*trj \ 0.733 \ -0.114 \ 0.487$
 $lab^*tce \ 0.375 \ 0.25 \ 0.287$
 $lab^*nce \ 0.25 \ 0.5 \ 0.287$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ -5.0 \ 21.23$
 $LAB^*TCha \ 37.37 \ -5.0 \ 21.23$
 $LAB^*TCha \ 12.5 \ 21.82 \ 103.26$

relative CIELAB lab*
 $lab^*lab \ 0.491 \ -0.056 \ 0.243$
 $lab^*tch \ 0.375 \ 0.25 \ 0.287$
 $lab^*nch \ 0.75 \ 0.25 \ 0.287$
 relative Natural Colour (NC)
 $lab^*trj \ 0.491 \ -0.056 \ 0.243$
 $lab^*tce \ 0.375 \ 0.25 \ 0.287$
 $lab^*nce \ 0.75 \ 0.25 \ 0.287$

$n^* = 0,50$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ -5.0 \ 21.23$
 $LAB^*TCha \ 18.03 \ -5.0 \ 21.23$
 $LAB^*TCha \ 0.01 \ 0.01 \ 0.01$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ 0.0$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ -5.0 \ 21.23$
 $LAB^*TCha \ 18.03 \ -5.0 \ 21.23$
 $LAB^*TCha \ 0.01 \ 0.01 \ 0.01$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ 0.0$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ -5.0 \ 21.23$
 $LAB^*TCha \ 18.03 \ -5.0 \ 21.23$
 $LAB^*TCha \ 0.01 \ 0.01 \ 0.01$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ 0.0$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ -5.0 \ 21.23$
 $LAB^*TCha \ 18.03 \ -5.0 \ 21.23$
 $LAB^*TCha \ 0.01 \ 0.01 \ 0.01$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ 0.0$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ 0.0$

$n^* = 0,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

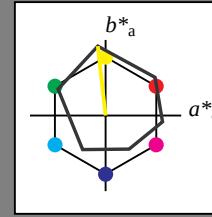
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ -0.88 \ 4.75$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.06 \ -0.61 \ 3.44$
 $LAB^*TCha \ 76.06 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*tch \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $lab^*nch \ 0.0 \ 0.0 \ 0.25 \ 0.25$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*tce \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $lab^*nce \ 0.25 \ 0.25 \ 0.25 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.71 \ -0.24 \ 2.14$
 $LAB^*TCha \ 56.71 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 87.28 \ 103.26$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tch \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $lab^*nch \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $lab^*nce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.36 \ 0.13 \ 0.83$
 $LAB^*TCha \ 37.36 \ 0.13 \ 0.83$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tch \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $lab^*nch \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $lab^*nce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.02 \ 0.5 \ -0.47$
 $LAB^*TCha \ 18.02 \ 0.5 \ -0.47$
 $LAB^*TCha \ 0.01 \ 0.01 \ 0.01$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ 0.0$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ 0.0$

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

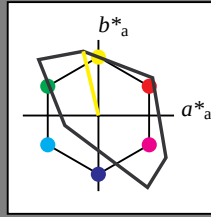
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ 0.0$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*tch \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*nch \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*tce \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $lab^*nce \ 0.25 \ 0.25 \ 0.25 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tch \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*nch \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $lab^*nce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tch \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*nch \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $lab^*nce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ 0.0$
 $lab^*nch \ 1.0 \ 1.0 \ 1.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 1.0 \ 1.0$
 $lab^*nce \ 1.0 \ 1.0 \ 1.0$

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 94.74 \ -5.0 \ 21.23$
 $LAB^*TCha \ 94.74 \ -5.0 \ 21.23$
 $LAB^*TCha \ 87.5 \ 21.82 \ 103.26$

relative CIELAB lab*
 $lab^*lab \ 0.991 \ -0.056 \ 0.243$
 $lab^*tch \ 0.875 \ 0.25 \ 0.287$
 $lab^*nch \ 0.0 \ 0.25 \ 0.287$
 relative Natural Colour (NC)
 $lab^*trj \ 0.991 \ -0.056 \ 0.243$
 $lab^*tce \ 0.875 \ 0.25 \ 0.287$
 $lab^*nce \ 0.0 \ 0.25 \ 0.287$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 75.39 \ -5.0 \ 21.24$
 $LAB^*TCha \ 75.39 \ -5.0 \ 21.24$
 $LAB^*TCha \ 62.5 \ 21.82 \ 103.26$

relative CIELAB lab*
 $lab^*lab \ 0.741 \ -0.056 \ 0.243$
 $lab^*tch \ 0.625 \ 0.25 \ 0.287$
 $lab^*nch \ 0.25 \ 0.25 \ 0.287$
 relative Natural Colour (NC)
 $lab^*trj \ 0.741 \ -0.056 \ 0.243$
 $lab^*tce \ 0.625 \ 0.25 \ 0.287$
 $lab^*nce \ 0.25 \ 0.25 \ 0.287$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tch \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*nch \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $lab^*nce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tch \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*nch \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $lab^*nce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

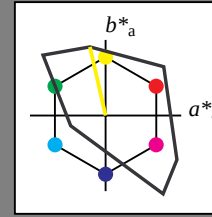
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ 0.0$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*tch \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*nch \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*tce \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $lab^*nce \ 0.25 \ 0.25 \ 0.25 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tch \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*nch \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $lab^*nce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tch \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*nch \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $lab^*nce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ 0.0$
 $lab^*nch \ 1.0 \ 1.0 \ 1.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 1.0 \ 1.0$
 $lab^*nce \ 1.0 \ 1.0 \ 1.0$

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	50.5	76.92	64.55	100.42	40
YMa	92.66	-20.69	90.75	93.08	103
LMa	83.63	-82.75	79.9	115.04	136
CMa	86.88	-46.16	-13.55	48.12	196
VMa	30.39	76.06	-103.59	128.52	306
MMa	57.3	94.35	-58.41	110.97	328
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 94.74 \ -5.16 \ 22.68$
 $LAB^*TCha \ 94.74 \ -5.16 \ 22.68$
 $LAB^*TCha \ 87.5 \ 23.26 \ 102.85$

relative CIELAB lab*
 $lab^*lab \ 0.993 \ -0.055 \ 0.244$
 $lab^*tch \ 0.875 \ 0.25 \ 0.286$
 $lab^*nch \ 0.0 \ 0.25 \ 0.286$
 relative Natural Colour (NC)
 $lab^*trj \ 0.993 \ -0.055 \ 0.244$
 $lab^*tce \ 0.875 \ 0.25 \ 0.286$
 $lab^*nce \ 0.0 \ 0.25 \ 0.286$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.741 \ -0.11 \ 0.487$
 $lab^*tch \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*nch \ 0.0 \ 0.5 \ 0.286$
 relative Natural Colour (NC)
 $lab^*trj \ 0.741 \ -0.11 \ 0.487$
 $lab^*tce \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*nce \ 0.0 \ 0.5 \ 0.286$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tch \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*nch \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $lab^*nce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3$

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

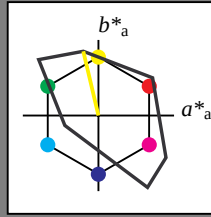
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	0.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	0.0	
lab*nce	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	0.0	
lab*nce	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	0.0	
lab*nce	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	0.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.75	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	0.75	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	94.74	-5.0	21.23	
LAB*LABa	94.74	-5.0	21.23	
LAB*TCRa	87.5	21.82	103.26	
relative CIELAB lab*				
lab*lab	0.991	-0.056	0.243	
lab*tch	0.875	0.25	0.287	
lab*nch	0.0	0.25	0.287	
relative Natural Colour (NC)				
lab*trj	0.991	-0.056	0.243	
lab*tce	0.875	0.25	0.289	
lab*nce	0.0	0.25	0.289	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	75.39	-5.0	21.24	
LAB*LABa	75.39	-5.0	21.24	
LAB*TCRa	62.5	21.82	103.26	
relative CIELAB lab*				
lab*lab	0.741	-0.056	0.243	
lab*tch	0.625	0.25	0.287	
lab*nch	0.25	0.25	0.287	
relative Natural Colour (NC)				
lab*trj	0.741	-0.056	0.242	
lab*tce	0.625	0.25	0.289	
lab*nce	0.25	0.25	0.289	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	0.0	
lab*nce	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	0.0	
lab*nce	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	0.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	94.74	-5.0	21.23	
LAB*LABa	94.74	-5.0	21.23	
LAB*TCRa	87.5	21.82	103.26	
relative CIELAB lab*				
lab*lab	0.983	-0.114	0.487	
lab*tch	0.75	0.5	0.287	
lab*nch	0.0	0.5	0.287	
relative Natural Colour (NC)				
lab*trj	0.983	-0.114	0.485	
lab*tce	0.75	0.5	0.289	
lab*nce	0.0	0.5	0.289	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.25	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	74.72	-10.01	42.49	
LAB*LABa	74.72	-10.01	42.49	
LAB*TCRa	50.0	43.65	103.26	
relative CIELAB lab*				
lab*lab	0.741	-0.171	0.73	
lab*tch	0.625	0.75	0.287	
lab*nch	0.0	0.75	0.287	
relative Natural Colour (NC)				
lab*trj	0.741	-0.171	0.727	
lab*tce	0.625	0.75	0.289	
lab*nce	0.0	0.75	0.289	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	0.0	
lab*nce	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	1.0	(0.0)
olvi4*	1.0	1.0	0.5	0.5
cmyn4*	0.0	0.0	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	55.38	-10.0	42.48	
LAB*TCRa	25.01	43.64	103.26	
relative CIELAB lab*				
lab*lab	0.483	-0.114	0.487	
lab*tch	0.25	0.5	0.287	
lab*nch	0.5	-0.5	0.287	
relative Natural Colour (NC)				
lab*lrj	0.483	-0.121	0.485	
lab*tce	0.25	0.5	0.289	
lab*nce	0.5	0.5	0.158	

n* = 0.50

5 step scales for constant CIELAB hue $103/360 = 0.287$ (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

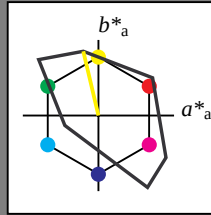
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	0.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	0.0	
lab*nce	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	0.0	
lab*nce	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	0.0	
lab*nce	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	0.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	94.74	-5.0	21.23	
LAB*LABa	94.74	-5.0	21.23	
LAB*TCRa	87.5	21.82	103.26	
relative CIELAB lab*				
lab*lab	0.991	-0.056	0.243	
lab*tch	0.875	0.25	0.287	
lab*nch	0.0	0.25	0.287	
relative Natural Colour (NC)				
lab*trj	0.991	-0.056	0.242	
lab*tce	0.875	0.25	0.289	
lab*nce	0.0	0.25	0.158	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	75.39	-5.0	21.24	
LAB*LABa	75.39	-5.0	21.24	
LAB*TCRa	62.5	21.82	103.26	
relative CIELAB lab*				
lab*lab	0.741	-0.056	0.243	
lab*tch	0.625	0.25	0.287	
lab*nch	0.25	0.25	0.287	
relative Natural Colour (NC)				
lab*trj	0.741	-0.056	0.242	
lab*tce	0.625	0.25	0.289	
lab*nce	0.25	0.25	0.158	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.04	-5.0	21.24	
LAB*LABa	56.04	-5.0	21.24	
LAB*TCRa	37.5	21.82	103.26	
relative CIELAB lab*				
lab*lab	0.491	-0.056	0.243	
lab*tch	0.375	0.25	0.287	
lab*nch	0.25	0.25	0.287	
relative Natural Colour (NC)				
lab*trj	0.491	-0.056	0.242	
lab*tce	0.375	0.25	0.289	
lab*nce	0.25	0.25	0.158	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	0.0	
lab*nce	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	0.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	94.07	-10.0	42.48	
LAB*LABa	94.07	-10.0	42.48	
LAB*TCRa	75.0	43.64	103.26	
relative CIELAB lab*				
lab*lab	0.983	-0.114	0.487	
lab*tch	0.75	0.5	0.287	
lab*nch	0.0	0.5	0.287	
relative Natural Colour (NC)				
lab*trj	0.983	-0.121	0.485	
lab*tce	0.75	0.5	0.289	
lab*nce	0.0	0.5	0.158	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.25	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	74.72	-10.01	42.49	
LAB*LABa	74.72	-10.01	42.49	
LAB*TCRa	50.0	43.65	103.26	
relative CIELAB lab*				
lab*lab	0.733	-0.114	0.487	
lab*tch	0.625	0.25	0.287	
lab*nch	0.25	0.25	0.287	
relative Natural Colour (NC)				
lab*trj	0.733	-0.121	0.485	
lab*tce	0.625	0.25	0.289	
lab*nce	0.25	0.25	0.158	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.04	-10.01	42.49	
LAB*LABa	56.04	-10.01	42.49	
LAB*TCRa	37.5	43.65	103.26	
relative CIELAB lab*				
lab*lab	0.491	-0.114	0.487	
lab*tch	0.375	0.25	0.287	
lab*nch	0.25	0.25	0.287	
relative Natural Colour (NC)				
lab*trj	0.491	-0.121	0.485	
lab*tce	0.375	0.25	0.289	
lab*nce	0.25	0.25	0.158	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	1.0	(0.0)
olvi4*	1.0	1.0	0.5	0.5
cmyn4*	0.0	0.0	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	55.38	-10.0	42.48	
LAB*LABa	55.38	-10.0	42.48	
LAB*TCRa	25.01	43.64	103.26	
relative CIELAB lab*				
lab*lab	0.483	-0.114	0.487	
lab*tch	0.25	0.5	0.287	
lab*nch	0.5	0.5	0.287	
relative Natural Colour (NC)				
lab*trj	0.483	1.121	0.489	
lab*trc	0.25	0.5	0.289	
lab*ncE	0.5	0.5	115g	

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

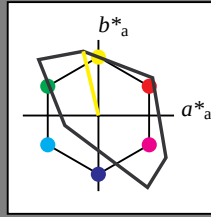
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	(0.0)
cmyn3*	0.0	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.0	0.25
standard and adapted CIELAB					
LAB*LAB	76.07	0.0	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.0	0.5
standard and adapted CIELAB					
LAB*LAB	56.72	0.0	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.0	0.75
standard and adapted CIELAB					
LAB*LAB	37.37	0.0	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.0	1.0
standard and adapted CIELAB					
LAB*LAB	18.03	0.0	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0	0.0
LAB*LABb	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

%Gamut

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

%Gamut

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

%Gamut

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

$u^*_{rel} = 118$

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

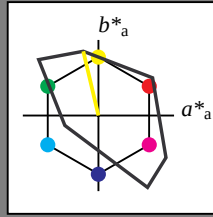
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	94.74	-5.0	21.23
LAB*LABa	94.74	-5.0	21.23
LAB*LABb	87.5	21.82	103.26

relative CIELAB lab*

lab*lab	0.991	-0.056	0.243
lab*tch	0.875	0.25	0.287
lab*nch	0.0	0.25	0.287

relative Natural Colour (NC)

lab*trj	0.991	-0.056	0.242
lab*tce	0.875	0.25	0.289
lab*nce	0.0	0.25	0.289

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	75.39	-5.0	21.24
LAB*LABa	75.39	-5.0	21.24
LAB*LABb	62.5	21.82	103.26

relative CIELAB lab*

lab*lab	0.741	-0.056	0.243
lab*tch	0.625	0.25	0.287
lab*nch	0.25	0.25	0.287

relative Natural Colour (NC)

lab*trj	0.741	-0.056	0.242
lab*tce	0.625	0.25	0.289
lab*nce	0.25	0.25	0.289

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	-10.01	42.49
LAB*LABa	56.72	-10.01	42.49
LAB*LABb	50.0	43.65	103.26

relative CIELAB lab*

lab*lab	0.733	-0.114	0.487
lab*tch	0.625	0.25	0.287
lab*nch	0.25	0.25	0.287

relative Natural Colour (NC)

lab*trj	0.733	-0.114	0.485
lab*tce	0.625	0.25	0.289
lab*nce	0.25	0.25	0.289

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	-10.01	42.49
LAB*LABa	37.37	-10.01	42.49
LAB*LABb	25.0	43.65	103.26

relative CIELAB lab*

lab*lab	0.733	-0.114	0.487
lab*tch	0.625	0.25	0.287
lab*nch	0.25	0.25	0.287

relative Natural Colour (NC)

lab*trj	0.733	-0.114	0.485
lab*tce	0.625	0.25	0.289
lab*nce	0.25	0.25	0.289

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	-10.01	42.49
LAB*LABa	18.03	-10.01	42.49
LAB*LABb	0.01	43.65	103.26

relative CIELAB lab*

lab*lab	0.483	-0.114	0.487
lab*tch	0.25	0.25	0.287
lab*nch	0.25	0.25	0.287

relative Natural Colour (NC)

lab*trj	0.483	-0.114	0.485
lab*tce	0.25	0.25	0.289
lab*nce	0.25	0.25	0.289

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

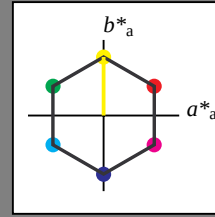
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	0.0	38.69
LAB*LABa	76.06	0.0	38.69
LAB*LABb	75.0	38.69	90.0

relative CIELAB lab*

lab*lab	0.875	0.0	0.25
lab*tch	0.875	0.25	0.25
lab*nch	0.0	0.2	

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

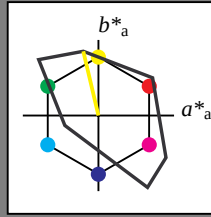
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*tch \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*nch \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*tce \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $lab^*nce \ 0.25 \ 0.25 \ 0.25 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tch \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*nch \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $lab^*nce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tch \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*nch \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $lab^*nce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $lab^*tch \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $lab^*nch \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $lab^*tce \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $lab^*nce \ 1.0 \ 1.0 \ 1.0 \ (0.0)$

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

$olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 94.74 \ -5.0 \ 21.23$
 $LAB^*TCha \ 94.74 \ -5.0 \ 21.23$
 $LAB^*TCha \ 87.5 \ 21.82 \ 103.26$

relative CIELAB lab*
 $lab^*lab \ 0.991 \ -0.056 \ 0.243$
 $lab^*tch \ 0.875 \ 0.25 \ 0.287$
 $lab^*nch \ 0.0 \ 0.25 \ 0.287$
 relative Natural Colour (NC)
 $lab^*trj \ 0.991 \ -0.056 \ 0.243$
 $lab^*tce \ 0.875 \ 0.25 \ 0.287$
 $lab^*nce \ 0.0 \ 0.25 \ 0.287$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 75.39 \ -5.0 \ 21.24$
 $LAB^*TCha \ 75.39 \ -5.0 \ 21.24$
 $LAB^*TCha \ 62.5 \ 21.82 \ 103.26$

relative CIELAB lab*
 $lab^*lab \ 0.741 \ -0.056 \ 0.243$
 $lab^*tch \ 0.625 \ 0.25 \ 0.287$
 $lab^*nch \ 0.25 \ 0.25 \ 0.287$
 relative Natural Colour (NC)
 $lab^*trj \ 0.741 \ -0.056 \ 0.243$
 $lab^*tce \ 0.625 \ 0.25 \ 0.287$
 $lab^*nce \ 0.25 \ 0.25 \ 0.287$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tch \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*nch \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $lab^*nce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tch \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*nch \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $lab^*nce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$

$n^* = 0,50$

relative Inform. Technology (IT)

$olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 94.74 \ -5.0 \ 21.23$
 $LAB^*TCha \ 94.74 \ -5.0 \ 21.23$
 $LAB^*TCha \ 87.5 \ 21.82 \ 103.26$

relative CIELAB lab*
 $lab^*lab \ 0.983 \ -0.114 \ 0.487$
 $lab^*tch \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*nch \ 0.0 \ 0.5 \ 0.287$
 relative Natural Colour (NC)
 $lab^*trj \ 0.983 \ -0.114 \ 0.487$
 $lab^*tce \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*nce \ 0.0 \ 0.5 \ 0.287$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 74.72 \ -10.01 \ 42.49$
 $LAB^*TCha \ 74.72 \ -10.01 \ 42.49$
 $LAB^*TCha \ 50.0 \ 43.65 \ 103.26$

relative CIELAB lab*
 $lab^*lab \ 0.733 \ -0.114 \ 0.487$
 $lab^*tch \ 0.625 \ 0.25 \ 0.287$
 $lab^*nch \ 0.25 \ 0.25 \ 0.287$
 relative Natural Colour (NC)
 $lab^*trj \ 0.733 \ -0.114 \ 0.487$
 $lab^*tce \ 0.625 \ 0.25 \ 0.287$
 $lab^*nce \ 0.25 \ 0.25 \ 0.287$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tch \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*nch \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $lab^*nce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tch \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*nch \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $lab^*nce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$

$n^* = 0,25$

relative Inform. Technology (IT)

$olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 94.74 \ -5.0 \ 21.23$
 $LAB^*TCha \ 94.74 \ -5.0 \ 21.23$
 $LAB^*TCha \ 87.5 \ 21.82 \ 103.26$

relative CIELAB lab*
 $lab^*lab \ 0.974 \ -0.171 \ 0.73$
 $lab^*tch \ 0.625 \ 0.25 \ 0.287$
 $lab^*nch \ 0.0 \ 0.75 \ 0.287$
 relative Natural Colour (NC)
 $lab^*trj \ 0.974 \ -0.171 \ 0.73$
 $lab^*tce \ 0.625 \ 0.25 \ 0.287$
 $lab^*nce \ 0.0 \ 0.75 \ 0.287$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 74.72 \ -10.01 \ 42.49$
 $LAB^*TCha \ 74.72 \ -10.01 \ 42.49$
 $LAB^*TCha \ 50.0 \ 43.65 \ 103.26$

relative CIELAB lab*
 $lab^*lab \ 0.733 \ -0.114 \ 0.487$
 $lab^*tch \ 0.625 \ 0.25 \ 0.287$
 $lab^*nch \ 0.25 \ 0.25 \ 0.287$
 relative Natural Colour (NC)
 $lab^*trj \ 0.733 \ -0.114 \ 0.487$
 $lab^*tce \ 0.625 \ 0.25 \ 0.287$
 $lab^*nce \ 0.25 \ 0.25 \ 0.287$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tch \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*nch \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $lab^*nce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tch \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*nch \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $lab^*nce \ 0.75 \ 0.75 \ 0.75 \ (0.0)$

$n^* = 0,00$

relative Inform. Technology (IT)

$olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 94.74 \ -5.0 \ 21.23$
 $LAB^*TCha \ 94.74 \ -5.0 \ 21.23$
 $LAB^*TCha \ 87.5 \ 21.82 \ 103.26$

relative CIELAB lab*
 $lab^*lab \ 0.965 \ -0.228 \ 0.973$
 $lab^*tch \ 0.5 \ 1.0 \ 0.287$
 $lab^*nch \ 0.0 \ 1.0 \ 0.287$
 relative Natural Colour (NC)
 $lab^*trj \ 0.965 \ -0.228 \ 0.973$
 $lab^*tce \ 0.5 \ 1.0 \ 0.287$
 $lab^*nce \ 0.0 \ 1.0 \ 0.287$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 74.72 \ -10.01 \ 42.49$
 $LAB^*TCha \ 74.72 \ -10.01 \ 42.49$
 $LAB^*TCha \ 50.0 \ 43.65 \ 103.26$

relative CIELAB lab*
 $lab^*lab \ 0.733 \ -0.114 \ 0.487$
 $lab^*tch \ 0.625 \ 0.25 \ 0.287$
 $lab^*nch \ 0.25 \ 0.25 \ 0.287$
 relative Natural Colour (NC)
 $lab^*trj \ 0.733 \ -0.114 \ 0.487$
 $lab^*tce \ 0.625 \ 0.25 \ 0.287$
 $lab^*nce \ 0.25 \ 0.25 \ 0.287$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tch \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*nch \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $lab^$

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

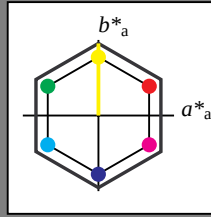
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 79.0 0.0 47.69
LAB*LABa 79.0 0.0 47.69
LAB*TCHa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.833 0.0 0.5
lab*tch 0.75 0.0 0.5
lab*nch 0.0 0.5 0.5
relative Natural Colour (NC)
lab*trj 0.833 0.0 0.5
lab*tce 0.0 0.5 0.5
lab*nce 0.0 0.5 0.5

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 55.66 0.0 47.7
LAB*LABa 55.66 0.0 47.7
LAB*TCHa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.583 0.0 0.5
lab*tch 0.5 0.0 0.5
lab*nch 0.0 0.5 0.5
relative Natural Colour (NC)
lab*trj 0.583 0.0 0.5
lab*tce 0.0 0.5 0.5
lab*nce 0.0 0.5 0.5

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 31.81 0.0 47.69
LAB*LABa 31.81 0.0 47.69
LAB*TCHa 25.01 47.69 90.0

relative CIELAB lab*
lab*lab 0.333 0.0 0.5
lab*tch 0.25 0.0 0.5
lab*nch 0.0 0.5 0.5
relative Natural Colour (NC)
lab*trj 0.333 0.0 0.5
lab*tce 0.0 0.5 0.5
lab*nce 0.0 0.5 0.5

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 15.91 0.0 23.84
LAB*LABa 15.91 0.0 23.84
LAB*TCHa 12.5 23.84 90.0

relative CIELAB lab*
lab*lab 0.167 0.0 0.25
lab*tch 0.125 0.0 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.167 0.0 0.25
lab*tce 0.0 0.25 0.25
lab*nce 0.0 0.25 0.25

$n^* = 0,50$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

1,00

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

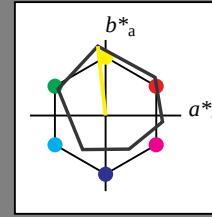
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.88 4.75
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.75 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 46.61 0.0 95.38
LAB*LABa 46.61 0.0 95.38
LAB*TCHa 50.0 95.38 0.01

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 0.25 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 92.88 -0.06 50.46
LAB*LABa 92.88 -5.12 45.87
LAB*TCHa 75.0 46.15 96.38

relative CIELAB lab*
lab*lab 0.967 -0.055 0.497
lab*tch 0.75 0.5 0.268
lab*nch 0.0 0.5 0.268
relative Natural Colour (NC)
lab*trj 0.967 -0.048 0.497
lab*tce 0.0 0.5 0.266
lab*nce 0.0 0.5 0.266

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.54 -5.69 49.16
LAB*LABa 73.54 -5.12 45.88
LAB*TCHa 50.0 46.16 96.38

relative CIELAB lab*
lab*lab 0.734 -0.027 0.248
lab*tch 0.625 0.25 0.268
lab*nch 0.25 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.734 -0.024 0.249
lab*tce 0.625 0.25 0.266
lab*nce 0.25 0.25 0.266

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 55.45 -2.78 25.5
LAB*LABa 55.45 -2.56 22.94
LAB*TCHa 37.5 23.08 96.38

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 0.25 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 0,50$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

1,00

OE500-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

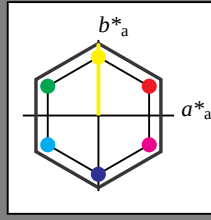
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

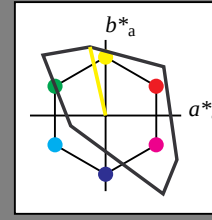
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

5 step scales for constant CIELAB hue 103/360 = 0.286 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

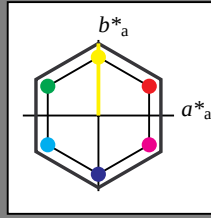
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.02 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 71.57 0.0 0.0
 LAB^*LABa 71.57 0.0 0.0
 LAB^*TCha 75.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 47.72 0.0 0.0
 LAB^*LABa 47.72 0.0 0.0
 LAB^*TCha 50.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 23.87 0.0 0.0
 LAB^*LABa 23.87 0.0 0.0
 LAB^*TCha 25.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.75 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.03 0.0 0.0
 LAB^*LABa 0.03 0.0 0.0
 LAB^*TCha 0.01 0.02 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 1.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 0.5 (1.0)
 $cmyn3^*$ 0.0 0.0 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 79.0 0.0 47.69
 LAB^*LABa 79.0 0.0 47.69
 LAB^*TCha 75.0 0.0 47.69

relative CIELAB lab*
 lab^*lab 0.833 0.0 0.5
 lab^*tch 0.75 0.5 0.25
 lab^*nch 0.0 0.5 0.25
 relative Natural Colour (NC)
 lab^*trj 0.75 0.941 0.749
 lab^*tce 0.5 0.2 0.241
 lab^*nce 0.0 0.5 0.96

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.5 (1.0)
 $cmyn3^*$ 0.25 0.25 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 55.66 0.0 47.7
 LAB^*LABa 55.66 0.0 47.7
 LAB^*TCha 50.0 0.0 47.7

relative CIELAB lab*
 lab^*lab 0.583 0.0 0.5
 lab^*tch 0.5 0.5 0.25
 lab^*nch 0.0 0.5 0.25
 relative Natural Colour (NC)
 lab^*trj 0.583 0.927 0.499
 lab^*tce 0.5 0.2 0.241
 lab^*nce 0.25 0.5 0.96

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.25 (1.0)
 $cmyn3^*$ 0.5 0.5 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 0.25 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 31.81 0.0 47.69
 LAB^*LABa 31.81 0.0 47.69
 LAB^*TCha 25.01 0.0 47.69

relative CIELAB lab*
 lab^*lab 0.333 0.0 0.5
 lab^*tch 0.25 0.5 0.25
 lab^*nch 0.0 0.5 0.25
 relative Natural Colour (NC)
 lab^*trj 0.333 0.927 0.499
 lab^*tce 0.25 0.2 0.241
 lab^*nce 0.5 0.5 0.96

$n^* = 0,50$

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 0.25 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 15.91 0.0 23.84
 LAB^*LABa 15.91 0.0 23.84
 LAB^*TCha 12.5 0.0 23.84

relative CIELAB lab*
 lab^*lab 0.167 0.0 0.25
 lab^*tch 0.125 0.25 0.25
 lab^*nch 0.0 0.25 0.25
 relative Natural Colour (NC)
 lab^*trj 0.167 0.914 0.241
 lab^*tce 0.125 0.25 0.241
 lab^*nce 0.75 0.25 0.96

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.03 0.0 0.0
 LAB^*LABa 0.03 0.0 0.0
 LAB^*TCha 0.01 0.02 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 1.0 0.0 -

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 99/360 = 0.275$

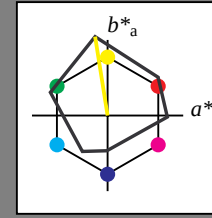
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 96.31 0.11 2.58
 LAB^*LABa 96.31 0.11 2.58
 LAB^*TCha 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.38 0.44 2.45
 LAB^*LABa 76.38 0.44 2.45
 LAB^*TCha 75.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 46.44 0.76 2.32
 LAB^*LABa 46.44 0.76 2.32
 LAB^*TCha 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 0.25 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 36.5 1.09 2.19
 LAB^*LABa 36.5 1.09 2.19
 LAB^*TCha 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.75 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 16.57 -1.41 2.06
 LAB^*LABa 16.57 -1.41 2.06
 LAB^*TCha 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 1.0 0.0 -

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 0.5 (1.0)
 $cmyn3^*$ 0.0 0.0 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 93.31 -0.42 54.72
 LAB^*LABa 93.31 -0.42 54.72
 LAB^*TCha 99.0 0.0 54.72

relative CIELAB lab*
 lab^*lab 0.962 -0.077 0.494
 lab^*tch 0.75 0.5 0.25
 lab^*nch 0.0 0.5 0.25
 relative Natural Colour (NC)
 lab^*trj 0.962 -0.077 0.494
 lab^*tce 0.5 0.2 0.274
 lab^*nce 0.0 0.5 0.98

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.5 (1.0)
 $cmyn3^*$ 0.25 0.25 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 73.38 -0.75 54.61
 LAB^*LABa 73.38 -0.75 54.61
 LAB^*TCha 50.0 0.0 54.61

relative CIELAB lab*
 lab^*lab 0.712 -0.077 0.494
 lab^*tch 0.5 0.5 0.25
 lab^*nch 0.0 0.5 0.25
 relative Natural Colour (NC)
 lab^*trj 0.712 -0.077 0.494
 lab^*tce 0.5 0.2 0.274
 lab^*nce 0.25 0.5 0.98

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.25 (1.0)
 $cmyn3^*$ 0.5 0.5 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 0.25 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 54.94 -0.92 28.4
 LAB^*LABa 54.94 -0.92 28.4
 LAB^*TCha 37.5 0.0 28.4

relative CIELAB lab*
 lab^*lab 0.481 -0.038 0.247
 lab^*tch 0.375 0.25 0.275
 lab^*nch 0.0 0.25 0.275
 relative Natural Colour (NC)
 lab^*trj 0.481 -0.038 0.247
 lab^*tce 0.375 0.25 0.274
 lab^*nce 0.5 0.25 0.98

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 0.25 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 35.0 -5.24 28.26
 LAB^*LABa 35.0 -5.24 28.26
 LAB^*TCha 25.0 0.0 28.26

relative CIELAB lab*
 lab^*lab 0.462 -0.077 0.494
 lab^*tch 0.25 0.5 0.25
 lab^*nch 0.0 0.5 0.25
 relative Natural Colour (NC)
 lab^*trj 0.462 -0.077 0.494
 lab^*tce 0.25 0.5 0.274
 lab^*nce 0.5 0.5

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

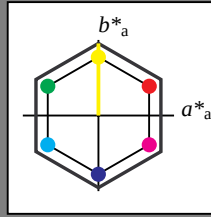
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

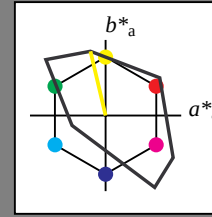
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0		
LAB*LABa	95.41	0.0	0.0		
LAB*TCHa	99.99	0.02	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	71.57	0.0	0.0		
LAB*LABa	71.57	0.0	0.0		
LAB*TCHa	75.0	0.02	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	47.72	0.0	0.0		
LAB*LABa	47.72	0.0	0.0		
LAB*TCHa	50.0	0.02	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	23.87	0.0	0.0		
LAB*LABa	23.87	0.0	0.0		
LAB*TCHa	25.0	0.02	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	0.03	0.0	0.0		
LAB*LABa	0.03	0.0	0.0		
LAB*TCHa	0.01	0.02	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

$n^* = 1,0$

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.5	(1.0)	
cmyn3*	0.25	0.25	0.5	(0.0)	
olvi4*	1.0	1.0	0.5	(1.0)	
cmyn4*	0.0	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	63.61	0.0	23.85		
LAB*LABa	63.61	0.0	23.85		
LAB*TCHa	62.5	2.62	0.241		
relative CIELAB lab*					
lab*lab	0.667	0.0	0.25		
lab*tch	0.625	0.25	0.25		
lab*nch	0.25	0.25	0.25		
relative Natural Colour (NC)					
lab*trj	0.667	0.014	0.25		
lab*tce	0.625	0.25	0.241		
lab*nce	0.25	0.25	0.96		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.25	(1.0)	
cmyn3*	0.5	0.5	0.25	(0.0)	
olvi4*	1.0	1.0	0.5	(1.0)	
cmyn4*	0.0	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	55.66	0.0	47.7		
LAB*LABa	55.66	0.0	47.7		
LAB*TCHa	50.0	47.7	90.0		
relative CIELAB lab*					
lab*lab	0.583	0.0	0.5		
lab*tch	0.5	0.5	0.25		
lab*nch	0.25	0.5	0.25		
relative Natural Colour (NC)					
lab*trj	0.583	0.027	0.499		
lab*tce	0.5	0.5	0.241		
lab*nce	0.25	0.5	0.96		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.0	(1.0)	
cmyn3*	0.5	0.5	1.0	(0.0)	
olvi4*	1.0	1.0	0.5	(1.0)	
cmyn4*	0.0	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	31.81	0.0	47.69		
LAB*LABa	31.81	0.0	47.69		
LAB*TCHa	25.01	47.69	90.0		
relative CIELAB lab*					
lab*lab	0.333	0.0	0.5		
lab*tch	0.25	0.5	0.25		
lab*nch	0.5	0.5	0.25		
relative Natural Colour (NC)					
lab*trj	0.333	0.027	0.499		
lab*tce	0.25	0.5	0.241		
lab*nce	0.5	0.5	0.96		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.0	(1.0)	
cmyn3*	0.75	0.75	1.0	(0.0)	
olvi4*	1.0	1.0	0.75	(1.0)	
cmyn4*	0.0	0.0	0.75	(0.0)	
standard and adapted CIELAB					
LAB*LAB	15.91	0.0	23.84		
LAB*LABa	15.91	0.0	23.84		
LAB*TCHa	12.5	23.84	90.0		
relative CIELAB lab*					
lab*lab	0.167	0.0	0.25		
lab*tch	0.125	0.25	0.25		
lab*nch	0.75	0.25	0.25		
relative Natural Colour (NC)					
lab*trj	0.167	0.014	0.25		
lab*tce	0.125	0.25	0.241		
lab*nce	0.75	0.25	0.96		

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	0.5	(1.0)	
cmyn3*	0.0	0.0	0.5	(0.0)	
olvi4*	1.0	1.0	0.5	(1.0)	
cmyn4*	0.0	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	79.5	0.0	47.69		
LAB*LABa	79.5	0.0	47.69		
LAB*TCha	75.0	47.69	90.0		
relative CIELAB lab*					
lab*lab	0.833	0.0	0.5		
lab*tch	0.75	0.5	0.25		
lab*nch	0.0	0.5	0.25		
relative Natural Colour (NC)					
nc*nc	0.833	0.027	0.499		
nc*tr	0.75	0.5	0.241		
tr*tr	0.0	0.5	0.96		

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

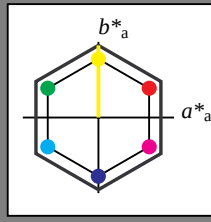
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

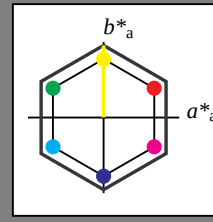
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

5 step scales for constant CIELAB hue 90/360 = 0.25 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

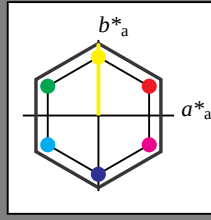
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	79.0	0.0	47.69
LAB*LABa	79.5	0.0	47.69
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.833	0.0	0.5
lab*tch	0.75	0.0	0.5
lab*nch	0.0	0.5	0.5

relative Natural Colour (NC)

lab*trj	0.75	0.014	0.25
lab*tce	0.25	0.0	0.25
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	55.66	0.0	47.7
LAB*LABa	55.66	0.0	47.7
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.583	0.0	0.5
lab*tch	0.5	0.0	0.5
lab*nch	0.0	0.5	0.5

relative Natural Colour (NC)

lab*trj	0.583	0.027	0.499
lab*tce	0.5	0.0	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	31.81	0.0	47.69
LAB*LABa	31.81	0.0	47.69
LAB*LABb	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.333	0.0	0.5
lab*tch	0.25	0.0	0.5
lab*nch	0.0	0.5	0.5

relative Natural Colour (NC)

lab*trj	0.333	0.027	0.499
lab*tce	0.25	0.0	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	15.91	0.0	23.84
LAB*LABa	15.91	0.0	23.84
LAB*LABb	12.5	0.01	-

relative CIELAB lab*

lab*lab	0.167	0.0	0.25
lab*tch	0.125	0.0	0.25
lab*nch	0.0	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.167	0.014	0.25
lab*tce	0.125	0.0	0.241
lab*nce	0.0	0.25	0.96

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

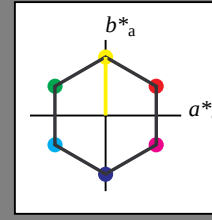
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	46.61	0.0	47.7
LAB*LABa	46.61	0.0	47.7
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.014	0.25
lab*tce	0.5	0.0	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.37	0.0	0.0
LAB*LABa	23.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1
--------	-----	-----	-----	----

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

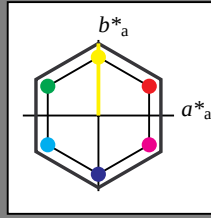
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	79.0	0.0	47.69
LAB*LABa	79.0	0.0	47.69
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.833	0.0	0.5
lab*tch	0.75	0.0	-
lab*nch	0.0	0.5	0.5

relative Natural Colour (NC)

lab*trj	0.75	0.014	0.25
lab*tce	0.0	0.25	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	55.66	0.0	47.7
LAB*LABa	55.66	0.0	47.7
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.583	0.0	0.5
lab*tch	0.5	0.0	-
lab*nch	0.0	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.583	0.027	0.499
lab*tce	0.5	0.2	0.241
lab*nce	0.25	0.5	0.96

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	1.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	31.81	0.0	47.69
LAB*LABa	31.81	0.0	47.69
LAB*LABb	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.333	0.0	0.5
lab*tch	0.25	0.0	-
lab*nch	0.0	0.5	0.25

relative Natural Colour (NC)

lab*trj	0.333	0.027	0.499
lab*tce	0.25	0.5	0.241
lab*nce	0.5	0.5	0.96

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	1.0	(0.0)
olvi4*	1.0	1.0	0.75	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	15.91	0.0	23.84
LAB*LABa	15.91	0.0	23.84
LAB*LABb	12.5	0.01	-

relative CIELAB lab*

lab*lab	0.167	0.0	0.25
lab*tch	0.125	0.0	-
lab*nch	0.0	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.167	0.014	0.25
lab*tce	0.125	0.25	0.241
lab*nce	0.25	0.25	0.96

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

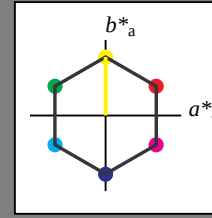
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	-
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	46.39	0.0	19.35
LAB*LABa	46.39	0.0	19.35
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.625	0.0	0.25
lab*tch	0.625	0.0	-
lab*nch	0.0	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.625	0.014	0.25
lab*tce	0.625	0.25	0.241
lab*nce	0.25	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.37	0.0	0.0
LAB*LABa	23.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

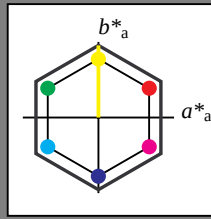
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

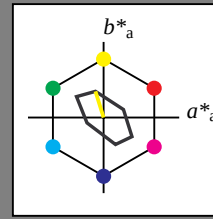
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

5 step scales for constant CIELAB hue 107/360 = 0.298 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

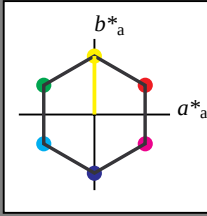
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 82.0 0.0 38.69
LAB*LABa 82.0 0.0 38.69
LAB*TCHa 75.0 38.69 90.0

relative CIELAB lab*
lab*lab 0.833 0.0 0.5
lab*tch 0.75 0.5 0.25
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*trj 0.833 0.0 0.25
lab*tce 0.0 0.5 0.25
lab*nce 0.0 0.5 0.25

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 63.16 0.0 38.7
LAB*LABa 63.16 0.0 38.7
LAB*TCHa 50.0 38.7 90.0

relative CIELAB lab*
lab*lab 0.583 0.0 0.5
lab*tch 0.5 0.5 0.25
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*trj 0.583 0.0 0.25
lab*tce 0.0 0.5 0.25
lab*nce 0.0 0.5 0.25

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 58.04
LAB*LABa 56.71 0.0 58.04
LAB*TCHa 37.51 58.04 90.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.5
lab*tch 0.5 0.5 0.25
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.25
lab*tce 0.0 0.5 0.25
lab*nce 0.0 0.5 0.25

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.13 0.83
LAB*TCHa 25.0 0.01 0.01

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

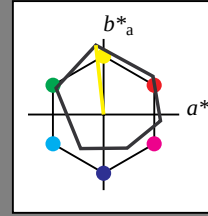
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.88 4.75
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.75 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.24 2.14
LAB*LABa 56.71 0.0 77.38
LAB*TCHa 50.0 77.38 90.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 0.25 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.13 0.83
LAB*TCHa 25.0 0.01 0.01

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 92.88 -0.06 50.46
LAB*LABa 92.88 -5.12 45.87
LAB*TCHa 75.0 46.15 96.38

relative CIELAB lab*
lab*lab 0.967 -0.055 0.497
lab*tch 0.75 0.5 0.268
lab*nch 0.0 0.5 0.268
relative Natural Colour (NC)
lab*trj 0.967 -0.048 0.497
lab*tce 0.0 0.5 0.266
lab*nce 0.0 0.5 0.266

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.54 -5.69 49.16
LAB*LABa 73.54 -5.12 45.88
LAB*TCHa 50.0 46.16 96.38

relative CIELAB lab*
lab*lab 0.734 -0.027 0.248
lab*tch 0.625 0.25 0.268
lab*nch 0.25 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.734 -0.024 0.249
lab*tce 0.625 0.25 0.266
lab*nce 0.25 0.25 0.266

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.24 2.14
LAB*LABa 56.71 0.0 77.38
LAB*TCHa 50.0 77.38 90.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 0.25 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.13 0.83
LAB*TCHa 25.0 0.01 0.01

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

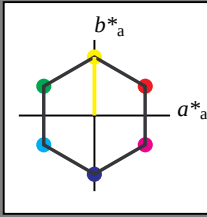
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olv3^* = 1.0, 1.0, 1.0$
 $cmyn3^* = 0.0, 0.0, 0.0$
 $olv4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41, 0.0, 0.0$
 $LAB^*TCh = 99.99, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 1.0, 0.0, 0.0$
 $lab^*tch = 1.0, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 1.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.0, 0.0, -$

relative Inform. Technology (IT)
 $olv3^* = 0.75, 0.75, 0.75$
 $cmyn3^* = 0.25, 0.25, 0.25$
 $olv4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 76.07, 0.0, 0.0$
 $LAB^*TCh = 75.0, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.75, 0.0, 0.0$
 $lab^*tch = 0.75, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.75, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.25, 0.0, -$

relative Inform. Technology (IT)
 $olv3^* = 0.5, 0.5, 0.5$
 $cmyn3^* = 0.5, 0.5, 0.5$
 $olv4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 56.24, 0.0, 0.0$
 $LAB^*TCh = 50.0, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.5, 0.0, 0.0$
 $lab^*tch = 0.5, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.5, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.5, 0.0, -$

relative Inform. Technology (IT)
 $olv3^* = 0.25, 0.25, 0.25$
 $cmyn3^* = 0.75, 0.75, 0.75$
 $olv4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 37.37, 0.0, 0.0$
 $LAB^*TCh = 25.0, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.25, 0.0, 0.0$
 $lab^*tch = 0.25, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.25, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.75, 0.0, -$

relative Inform. Technology (IT)
 $olv3^* = 0.0, 0.0, 0.0$
 $cmyn3^* = 1.0, 1.0, 1.0$
 $olv4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.03, 0.0, 0.0$
 $LAB^*TCh = 0.01, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.0, 0.0, 0.0$
 $lab^*tch = 0.0, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 1.0, 0.0, -$

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	43.81	67.03	38.7	77.4	30
YMa	69.61	0.0	77.4	77.4	90
LMa	43.81	-67.02	38.7	77.4	150
CMa	69.61	-67.02	-38.69	77.4	210
VMa	43.81	0.0	-77.39	77.4	270
MMa	69.61	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olv3^* = 1.0, 1.0, 0.5$
 $cmyn3^* = 0.0, 0.0, 0.5$
 $olv4^* = 1.0, 1.0, 0.5$
 $cmyn4^* = 0.0, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 82.0, 0.0, 0.0$
 $LAB^*TCh = 75.0, 38.69, 90.0$

relative CIELAB lab*
 $lab^*lab = 0.833, 0.0, 0.5$
 $lab^*tch = 0.75, 0.5, 0.25$
 $lab^*nch = 0.0, 0.5, 0.25$
 relative Natural Colour (NC)
 $lab^*trj = 0.833, 0.027, 0.499$
 $lab^*tce = 0.5, 0.2, 0.241$
 $lab^*nce = 0.0, 0.5, 0.96$

relative Inform. Technology (IT)
 $olv3^* = 0.75, 0.75, 0.5$
 $cmyn3^* = 0.25, 0.25, 0.5$
 $olv4^* = 1.0, 1.0, 0.5$
 $cmyn4^* = 0.0, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 63.16, 0.0, 38.7$
 $LAB^*TCh = 50.0, 38.7, 90.0$

relative CIELAB lab*
 $lab^*lab = 0.583, 0.0, 0.5$
 $lab^*tch = 0.5, 0.5, 0.25$
 $lab^*nch = 0.0, 0.5, 0.25$
 relative Natural Colour (NC)
 $lab^*trj = 0.583, 0.027, 0.499$
 $lab^*tce = 0.5, 0.2, 0.241$
 $lab^*nce = 0.25, 0.5, 0.96$

relative Inform. Technology (IT)
 $olv3^* = 0.5, 0.5, 0.25$
 $cmyn3^* = 0.5, 0.5, 0.25$
 $olv4^* = 1.0, 1.0, 0.25$
 $cmyn4^* = 0.0, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 43.81, 0.0, 38.69$
 $LAB^*TCh = 25.01, 38.69, 90.0$

relative CIELAB lab*
 $lab^*lab = 0.333, 0.0, 0.5$
 $lab^*tch = 0.25, 0.5, 0.25$
 $lab^*nch = 0.0, 0.5, 0.25$
 relative Natural Colour (NC)
 $lab^*trj = 0.333, 0.027, 0.499$
 $lab^*tce = 0.25, 0.2, 0.241$
 $lab^*nce = 0.5, 0.5, 0.96$

$n^* = 0,50$

relative Inform. Technology (IT)
 $olv3^* = 0.25, 0.25, 0.25$
 $cmyn3^* = 0.75, 0.75, 1.0$
 $olv4^* = 1.0, 1.0, 0.25$
 $cmyn4^* = 0.0, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 30.91, 0.0, 19.34$
 $LAB^*TCh = 12.5, 19.34, 90.0$

relative CIELAB lab*
 $lab^*lab = 0.167, 0.0, 0.25$
 $lab^*tch = 0.125, 0.25, 0.25$
 $lab^*nch = 0.0, 0.25, 0.25$
 relative Natural Colour (NC)
 $lab^*trj = 0.167, 0.014, 0.25$
 $lab^*tce = 0.125, 0.25, 0.241$
 $lab^*nce = 0.75, 0.25, 0.96$

relative Inform. Technology (IT)
 $olv3^* = 0.0, 0.0, 0.0$
 $cmyn3^* = 1.0, 1.0, 1.0$
 $olv4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.03, 0.0, 0.0$
 $LAB^*TCh = 0.01, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.0, 0.0, 0.0$
 $lab^*tch = 0.0, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 1.0, 0.0, -$

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

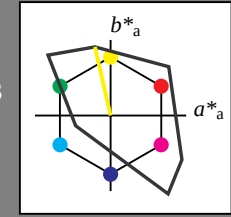
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)
 $olv3^* = 1.0, 1.0, 1.0$
 $cmyn3^* = 0.0, 0.0, 0.0$
 $olv4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41, 0.0, 0.0$
 $LAB^*TCh = 99.99, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 1.0, 0.0, 0.0$
 $lab^*tch = 1.0, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 1.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.0, 0.0, -$

relative Inform. Technology (IT)
 $olv3^* = 0.75, 0.75, 0.75$
 $cmyn3^* = 0.25, 0.25, 0.25$
 $olv4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 71.57, 0.0, 0.0$
 $LAB^*TCh = 75.0, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.75, 0.0, 0.0$
 $lab^*tch = 0.75, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.75, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.25, 0.0, -$

relative Inform. Technology (IT)
 $olv3^* = 0.5, 0.5, 0.5$
 $cmyn3^* = 0.5, 0.5, 0.5$
 $olv4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 47.72, 0.0, 0.0$
 $LAB^*TCh = 50.0, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.5, 0.0, 0.0$
 $lab^*tch = 0.5, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.5, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.5, 0.0, -$

relative Inform. Technology (IT)
 $olv3^* = 0.25, 0.25, 0.25$
 $cmyn3^* = 0.75, 0.75, 0.75$
 $olv4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 23.87, 0.0, 0.0$
 $LAB^*TCh = 25.0, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.25, 0.0, 0.0$
 $lab^*tch = 0.25, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.25, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.75, 0.0, -$

relative Inform. Technology (IT)
 $olv3^* = 0.0, 0.0, 0.0$
 $cmyn3^* = 1.0, 1.0, 1.0$
 $olv4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 0.03, 0.0, 0.0$
 $LAB^*TCh = 0.01, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.0, 0.0, 0.0$
 $lab^*tch = 0.0, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 1.0, 0.0, -$

$n^* = 1,0$

relative Inform. Technology (IT)
 $olv3^* = 1.0, 1.0, 0.75$
 $cmyn3^* = 0.0, 0.0, 0.25$
 $olv4^* = 1.0, 1.0, 0.75$
 $cmyn4^* = 0.0, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 94.71, -5.16, 22.68$
 $LAB^*TCh = 94.71, -5.16, 22.68$

relative CIELAB lab*
 $lab^*lab = 0.993, -0.055, 0.244$
 $lab^*tch = 0.875, 0.25, 0.286$
 $lab^*nch = 0.0, 0.25, 0.286$
 relative Natural Colour (NC)
 $lab^*trj = 0.993, -0.058, 0.243$
 $lab^*tce = 0.75, 0.25, 0.288$
 $lab^*nce = 0.0, 0.25, 0.158$

relative Inform. Technology (IT)
 $olv3^* = 0.75, 0.75, 0.5$
 $cmyn3^* = 0.25, 0.25, 0.5$
 $olv4^* = 1.0, 1.0, 0.5$
 $cmyn4^* = 0.0, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 70.87, -5.17, 22.69$
 $LAB^*TCh = 70.87, -5.17, 22.69$

relative CIELAB lab*
 $lab^*lab = 0.743, -0.055, 0.244$
 $lab^*tch = 0.625, 0.25, 0.286$
 $lab^*nch = 0.0, 0.25, 0.286$
 relative Natural Colour (NC)
 $lab^*trj = 0.743, -0.058, 0.243$
 $lab^*tce = 0.625, 0.25, 0.288$
 $lab^*nce = 0.25, 0.25, 0.158$

relative Inform. Technology (IT)
 $olv3^* = 0.5, 0.5, 0.25$
 $cmyn3^* = 0.5, 0.5, 0.25$
 $olv4^* = 1.0, 1.0, 0.25$
 $cmyn4^* = 0.0, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 47.72, 0.0, 0.0$
 $LAB^*TCh = 50.0, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.5, 0.0, 0.0$
 $lab^*tch = 0.5, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.5, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.5, 0.0, -$

relative Inform. Technology (IT)
 $olv3^* = 0.25, 0.25, 0.25$
 $cmyn3^* = 0.75, 0.75, 0.75$
 $olv4^* = 1.0, 1.0, 0.25$
 $cmyn4^* = 0.0, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 23.87, 0.0, 0.0$
 $LAB^*TCh = 25.0, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.25, 0.0, 0.0$
 $lab^*tch = 0.25, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.25, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.75, 0.0, -$

relative Inform. Technology (IT)
 $olv3^* = 0.0, 0.0, 0.0$
 $cmyn3^* = 1.0, 1.0, 1.0$
 $olv4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 0.03, 0.0, 0.0$
 $LAB^*TCh = 0.01, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.0, 0.0, 0.0$
 $lab^*tch = 0.0, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 1.0, 0.0, -$

$n^* = 0,50$

relative Inform. Technology (IT)
 $olv3^* = 0.25, 0.25, 0.0$
 $cmyn3^* = 0.75, 0.75, 0.0$
 $olv4^* = 1.0, 1.0, 0.75$
 $cmyn4^* = 0.0, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 23.17, -5.16, 22.68$
 $LAB^*TCh = 23.17, -5.16, 22.68$

relative CIELAB lab*
 $lab^*lab = 0.486, -0.11, 0.487$
 $lab^*tch = 0.25, 0.25, 0.286$
 $lab^*nch = 0.0, 0.25, 0.286$
 relative Natural Colour (NC)
 $lab^*trj = 0.486, -0.116, 0.486$
 $lab^*tce = 0.25, 0.25, 0.288$
 $lab^*nce = 0.5, 0.5, 0.158$

relative Inform. Technology (IT)
 $olv3^* = 0.0, 0.0, 0.0$
 $cmyn3^* = 1.0, 1.0, 1.0$
 $olv4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.03, 0.0, 0.0$
 $LAB^*TCh = 0.01, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.0$

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

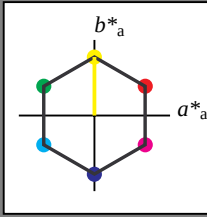
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 82.0 0.0 38.69
LAB*LABa 82.0 0.0 38.69
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.833 0.0 0.5
lab*tch 0.75 0.5 0.25
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*trj 0.75 0.5 0.25
lab*tce 0.0 0.5 0.25
lab*nce 0.0 0.5 0.25

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 63.16 0.0 38.7
LAB*LABa 63.16 0.0 38.7
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.583 0.0 0.5
lab*tch 0.5 0.5 0.25
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*trj 0.583 0.0 0.5
lab*tce 0.0 0.5 0.25
lab*nce 0.0 0.5 0.25

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 38.7
LAB*LABa 56.71 0.0 38.7
LAB*LABb 37.5 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.5
lab*tch 0.5 0.5 0.25
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.5
lab*tce 0.0 0.5 0.25
lab*nce 0.0 0.5 0.25

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 38.69
LAB*LABa 37.37 0.0 38.69
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.5
lab*tch 0.25 0.5 0.25
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.5
lab*tce 0.0 0.5 0.25
lab*nce 0.0 0.5 0.25

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

$n^* = 5,25$

$n^* = 5,50$

$n^* = 5,75$

$n^* = 6,00$

$n^* = 6,25$

$n^* = 6,50$

$n^* = 6,75$

$n^* = 7,00$

$n^* = 7,25$

$n^* = 7,50$

$n^* = 7,75$

$n^* = 8,00$

$n^* = 8,25$

$n^* = 8,50$

$n^* = 8,75$

$n^* = 9,00$

$n^* = 9,25$

$n^* = 9,50$

$n^* = 9,75$

$n^* = 10,00$

$n^* = 10,25$

$n^* = 10,50$

$n^* = 10,75$

$n^* = 11,00$

$n^* = 11,25$

$n^* = 11,50$

$n^* = 11,75$

$n^* = 12,00$

$n^* = 12,25$

$n^* = 12,50$

$n^* = 12,75$

$n^* = 13,00$

$n^* = 13,25$

$n^* = 13,50$

$n^* = 13,75$

$n^* = 14,00$

$n^* = 14,25$

$n^* = 14,50$

$n^* = 14,75$

$n^* = 15,00$

$n^* = 15,25$

$n^* = 15,50$

$n^* = 15,75$

$n^* = 16,00$

$n^* = 16,25$

$n^* = 16,50$

$n^* = 16,75$

$n^* = 17,00$

$n^* = 17,25$

$n^* = 17,50$

$n^* = 17,75$

$n^* = 18,00$

$n^* = 18,25$

$n^* = 18,50$

$n^* = 18,75$

$n^* = 19,00$

$n^* = 19,25$

$n^* = 19,50$

$n^* = 19,75$

$n^* = 20,00$

$n^* = 20,25$

$n^* = 20,50$

$n^* = 20,75$

$n^* = 21,00$

$n^* = 21,25$

$n^* = 21,50$

$n^* = 21,75$

$n^* = 22,00$

$n^* = 22,25$

$n^* = 22,50$

$n^* = 22,75$

$n^* = 23,00$

$n^* = 23,25$

$n^* = 23,50$

$n^* = 23,75$

$n^* = 24,00$

$n^* = 24,25$

$n^* = 24,50$

$n^* = 24,75$

$n^* = 25,00$

$n^* = 25,25$

$n^* = 25,50$

$n^* = 25,75$

$n^* = 26,00$

$n^* = 26,25$

$n^* = 26,50$

$n^* = 26,75$

$n^* = 27,00$

$n^* = 27,25$

$n^* = 27,50$

$n^* = 27,75$

$n^* = 28,00$

$n^* = 28,25$

$n^* = 28,50$

$n^* = 28,75$

$n^* = 29,00$

$n^* = 29,25$

$n^* = 29,50$

$n^* = 29,75$

$n^* = 30,00$

$n^* = 30,25$

$n^* = 30,50$

$n^* = 30,75$

$n^* = 31,00$

$n^* = 31,25$

$n^* = 31,50$

$n^* = 31,75$

$n^* = 32,00$

$n^* = 32,25$

$n^* = 32,50$

$n^* = 32,75$

$n^* = 33,00$

$n^* = 33,25$

$n^* = 33,50$

$n^* = 33,75$

$n^* = 34,00$

$n^* = 34,25$

$n^* = 34,50$

$n^* = 34,75$

$n^* = 35,00$

$n^* = 35,25$

$n^* = 35,50$

$n^* = 35,75$

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

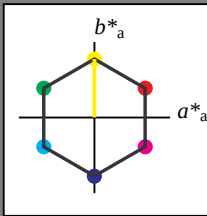
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

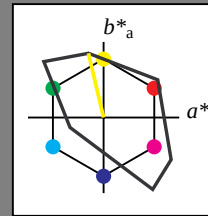
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.75 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.75 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 94.74 -5.0 21.23
LAB*LABa 94.74 -5.0 21.23
LAB*LABb 87.5 -21.82 103.26

relative CIELAB lab*
lab*lab 0.991 -0.056 0.243
lab*tch 0.875 0.25 0.287
lab*nch 1.0 0.0 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.991 -0.056 0.243
lab*tce 0.875 0.25 0.287
lab*nce 1.0 0.0 0.5 (0.0)

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 75.39 -5.0 21.24
LAB*LABa 75.39 -5.0 21.24
LAB*LABb 62.5 -21.82 103.26

relative CIELAB lab*
lab*lab 0.741 -0.056 0.243
lab*tch 0.625 0.25 0.287
lab*nch 0.25 0.25 0.75 (0.0)
relative Natural Colour (NC)
lab*trj 0.741 -0.056 0.243
lab*tce 0.625 0.25 0.287
lab*nce 0.25 0.25 0.75 (0.0)

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.25 (1.0)
cmyn3* 0.5 0.5 0.25 (0.0)
olvi4* 1.0 1.0 0.25 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.25 (0.0)
olvi4* 1.0 1.0 0.25 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

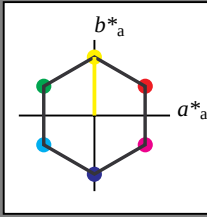
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 90/360 = 0.25$

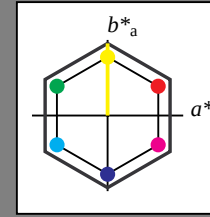
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 82.0 0.0 38.69
LAB*LABa 82.0 0.0 38.69
LAB*TCHa 75.0 38.69 90.0

relative CIELAB lab*
lab*lab 0.833 0.0 0.5
lab*tch 0.75 0.5 0.25
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*trj 0.75 0.5 0.25
lab*tce 0.0 0.5 0.25
lab*nce 0.0 0.5 0.25

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 63.16 0.0 38.7
LAB*LABa 63.16 0.0 38.7
LAB*TCHa 50.0 38.7 90.0

relative CIELAB lab*
lab*lab 0.667 0.0 0.25
lab*tch 0.625 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.667 0.04 0.25
lab*tce 0.625 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 43.81 0.0 38.7
LAB*LABa 43.81 0.0 38.7
LAB*TCHa 37.5 38.7 90.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 0.25 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.75 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 0.25 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.75 (1.0)
cmyn3* 0.0 0.0 0.75 (0.0)
olvi4* 1.0 1.0 0.75 (1.0)
cmyn4* 0.0 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 87.45 0.0 23.84
LAB*LABa 87.45 0.0 23.84
LAB*TCHa 87.5 23.84 90.0

relative CIELAB lab*
lab*lab 0.917 0.0 0.25
lab*tch 0.875 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.917 0.04 0.25
lab*tce 0.875 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 63.61 0.0 23.85
LAB*LABa 63.61 0.0 23.85
LAB*TCHa 62.5 23.85 90.0

relative CIELAB lab*
lab*lab 0.667 0.0 0.25
lab*tch 0.625 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.667 0.04 0.25
lab*tce 0.625 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 43.81 0.0 23.85
LAB*LABa 43.81 0.0 23.85
LAB*TCHa 37.5 23.85 90.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 0.25 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

5 step scales for constant CIELAB hue 90/360 = 0.25 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

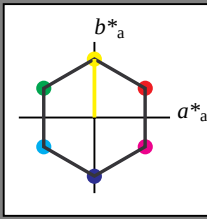
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	82.0	0.0	38.69
LAB*LABa	82.0	0.0	38.69
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.833	0.0	0.5
lab*tch	0.833	0.0	0.5
lab*nch	0.0	0.5	0.5

relative Natural Colour (NC)

lab*trj	0.833	0.027	0.499
lab*tce	0.0	0.5	0.241
lab*nce	0.0	0.5	0.96

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	63.16	0.0	38.7
LAB*LABa	63.16	0.0	38.7
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.583	0.0	0.5
lab*tch	0.583	0.0	0.5
lab*nch	0.0	0.5	0.5

relative Natural Colour (NC)

lab*trj	0.583	0.027	0.499
lab*tce	0.0	0.5	0.241
lab*nce	0.0	0.5	0.96

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	43.81	0.0	38.69
LAB*LABa	43.81	0.0	38.69
LAB*LABb	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.333	0.0	0.5
lab*tch	0.333	0.0	0.5
lab*nch	0.0	0.5	0.5

relative Natural Colour (NC)

lab*trj	0.333	0.027	0.499
lab*tce	0.0	0.5	0.241
lab*nce	0.0	0.5	0.96

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	30.91	0.0	38.69
LAB*LABa	30.91	0.0	38.69
LAB*LABb	12.5	0.01	-

relative CIELAB lab*

lab*lab	0.167	0.0	0.5
lab*tch	0.167	0.0	0.5
lab*nch	0.0	0.5	0.5

relative Natural Colour (NC)

lab*trj	0.167	0.014	0.499
lab*tce	0.0	0.5	0.241
lab*nce	0.0	0.5	0.96

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

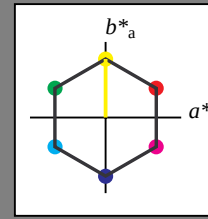
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.5	0.0	38.69	
LAB*Lab _a	82.5	0.0	38.69	
LAB*TCiHa	75.0	38.69	90.0	
relative CIELab lab*				
lab*lab	0.833	0.0	0.5	
lab*tch	0.75	0.5	0.25	
lab*nch	0.0	0.5	0.25	
relative Natural Colour (NC)				
lab*trj	0.833	0.027	0.499	
lab*trc	0.75	0.5	0.241	
lab*nCe	0.0	0.5	0.261	

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

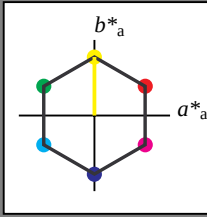
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.75	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	0.75	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	88.95	0.0	19.34
LAB*LABa	88.95	0.0	19.34
LAB*LABb	87.5	19.34	90.0

relative CIELAB lab*

lab*lab	0.917	0.0	0.25
lab*tch	0.875	0.25	0.25
lab*nch	0.0	0.25	0.0

relative Natural Colour (NC)

lab*trj	0.917	0.014	0.25
lab*tce	0.875	0.25	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	69.61	0.0	19.35
LAB*LABa	69.61	0.0	19.35
LAB*LABb	62.5	19.35	90.0

relative CIELAB lab*

lab*lab	0.667	0.0	0.25
lab*tch	0.625	0.25	0.25
lab*nch	0.0	0.25	0.0

relative Natural Colour (NC)

lab*trj	0.667	0.014	0.25
lab*tce	0.625	0.25	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	50.0	0.0	38.7
LAB*LABa	50.0	0.0	38.7
LAB*LABb	37.5	38.7	90.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.027	0.499
lab*tce	0.5	0.2	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	30.91	0.0	19.34
LAB*LABa	30.91	0.0	19.34
LAB*LABb	12.5	19.34	90.0

relative CIELAB lab*

lab*lab	0.167	0.0	0.0
lab*tch	0.125	0.25	0.0
lab*nch	0.0	0.25	0.0

relative Natural Colour (NC)

lab*trj	0.167	0.014	0.25
lab*tce	0.125	0.25	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	82.0	0.0	38.69
LAB*LABa	82.0	0.0	38.69
LAB*LABb	75.0	38.69	90.0

relative CIELAB lab*

lab*lab	0.833	0.0	0.5
lab*tch	0.75	0.5	0.5
lab*nch	0.0	0.5	0.0

relative Natural Colour (NC)

lab*trj	0.833	0.027	0.499
lab*tce	0.75	0.5	0.241
lab*nce	0.0	0.5	0.96

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.25	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	63.16	0.0	38.7
LAB*LABa	63.16	0.0	38.7
LAB*LABb	50.0	38.7	90.0

relative CIELAB lab*

lab*lab	0.583	0.0	0.5
lab*tch	0.5	0.25	0.5
lab*nch	0.0	0.25	0.0

relative Natural Colour (NC)

lab*trj	0.583	0.027	0.499
lab*tce	0.5	0.2	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	50.0	0.0	38.7
LAB*LABa	50.0	0.0	38.7
LAB*LABb	37.5	38.7	90.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.027	0.499
lab*tce	0.5	0.2	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	30.91	0.0	19.34
LAB*LABa	30.91	0.0	19.34
LAB*LABb	12.5	19.34	90.0

relative CIELAB lab*

lab*lab	0.167	0.0	0.0
lab*tch	0.125	0.25	0.0
lab*nch	0.0	0.25	0.0

relative Natural Colour (NC)

lab*trj	0.167	0.014	0.25
lab*tce	0.125	0.25	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

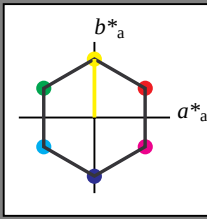
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)									
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	76.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	75.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	56.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	50.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	37.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	25.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	18.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	0.01	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$0,75$

$0,25$

$0,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

$0,25$

$0,50$

$0,75$

$1,00$

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

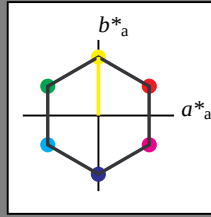
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

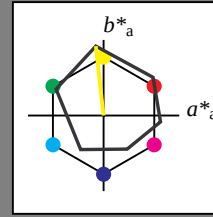
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

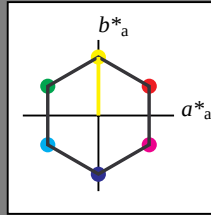
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 0.75 (1.0)
 $cmyn3^*$ 0.0 0.0 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 0.75 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 85.73 0.0 19.34
 LAB^*LABa 85.73 0.0 19.34
 LAB^*TCha 87.5 19.34 90.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 0.75 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.07 0.0 0.0
 LAB^*TCha 75.0 0.01 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.5 (1.0)
 $cmyn3^*$ 0.25 0.25 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 66.38 0.0 19.35
 LAB^*LABa 66.38 0.0 19.35
 LAB^*TCha 62.5 19.35 90.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*LABa 56.72 0.0 0.0
 LAB^*TCha 50.0 0.01 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.25 (1.0)
 $cmyn3^*$ 0.5 0.5 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 0.75 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 47.04 0.0 19.35
 LAB^*LABa 47.04 0.0 19.35
 LAB^*TCha 37.5 19.35 90.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.75 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TCha 25.0 0.01 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.0 (1.0)
 $cmyn3^*$ 0.75 0.75 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 0.75 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 27.69 0.0 19.34
 LAB^*LABa 27.69 0.0 19.34
 LAB^*TCha 12.5 19.34 90.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 1.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 0.01 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 0.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.0 0.0 0.0
 LAB^*LABa 0.0 0.0 0.0
 LAB^*TCha 0.0 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 0.0 0.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.0 0.0 0.0
 LAB^*LABa 0.0 0.0 0.0
 LAB^*TCha 0.0 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 0.0 0.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.0 0.0 0.0
 LAB^*LABa 0.0 0.0 0.0
 LAB^*TCha 0.0 0.0 0.0

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

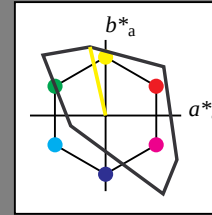
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 0.75 (1.0)
 $cmyn3^*$ 0.0 0.0 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 0.75 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 85.73 0.0 19.34
 LAB^*LABa 85.73 0.0 19.34
 LAB^*TCha 87.5 19.34 90.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 0.75 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.07 0.0 0.0
 LAB^*TCha 75.0 0.01 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.5 (1.0)
 $cmyn3^*$ 0.25 0.25 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 66.38 0.0 19.35
 LAB^*LABa 66.38 0.0 19.35
 LAB^*TCha 62.5 19.35 90.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*LABa 56.72 0.0 0.0
 LAB^*TCha 50.0 0.01 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.25 (1.0)
 $cmyn3^*$ 0.5 0.5 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 0.75 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 47.04 0.0 19.35
 LAB^*LABa 47.04 0.0 19.35
 LAB^*TCha 37.5 19.35 90.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.75 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TCha 25.0 0.01 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.0 (1.0)
 $cmyn3^*$ 0.75 0.75 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 0.75 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 27.69 0.0 19.34
 LAB^*LABa 27.69 0.0 19.34
 LAB^*TCha 12.5 19.34 90.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 1.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 0.01 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 0.0 0.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.0 0.0 0.0
 LAB^*LABa 0.0 0.0 0.0
 LAB^*TCha 0.0 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 0.0 0.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.0 0.0 0.0
 LAB^*LABa 0.0 0.0 0.0
 LAB^*TCha 0.0 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 0.5 (1.0)
 $cmyn3^*$ 0.0 0.0 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 94.03 -10.34 45.37
 LAB^*LABa 94.03 -10.34 45.37
 LAB^*TCha 75.0 45.37 102.85

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 0.25 (1.0)
 $cmyn3^*$ 0.0 0.0 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 0.25 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 94.03 -10.34 45.37
 LAB^*LABa 94.03 -10.34 45.37
 LAB^*TCha 75.0 45.37 102.85

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 0.75 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 85.73 0.0 19.34
 LAB^*LABa 85.73 0.0 19.34
 LAB^*TCha 87.5 19.34 90.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.5 (1.0)
 $cmyn3^*$ 0.25 0.25 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.07 0.0 0.0
 LAB^*TCha 75.0 0.01 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 66.38 0.0 19.35
 LAB^*LABa 66.38 0.0 19.35
 LAB^*TCha 62.5 19.35 90.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.25 (1.0)
 $cmyn3^*$ 0.5 0.5 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 0.75 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*LABa 56.72 0.0 0.0
 LAB^*TCha 50.0 0.01 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.75 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TCha 25.0 0.01 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.0 (1.0)
 $cmyn3^*$ 0.75 0.75 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 0.75 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 27.69 0.0 19.34
 LAB^*LABa 27.69 0.0 19.34
 LAB^*TCha 12.5 19.34 90.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 1.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 0.01 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 0.0 0.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.0 0.0 0.0
 LAB^*LABa 0.0 0.0 0.0
 LAB^*TCha 0.0 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.0 (1.0)
 $cmyn3^*$ 0.75 0.75 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 0.75 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 27.69 0.0 19.34
 LAB^*LABa 27.69 0.0 19.34
 LAB^*TCha 12.5 19.34 90.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.0 (1.0)
 $cmyn3^*$ 0.75 0.75 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 0.75 (1.0)
 $cmyn4^*$ 0.0 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 27.69 0.0 19.34
 LAB^*LABa 27.69 0.0 19.34
 LAB^*TCha 12.5 19.34 90.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 0.0 0.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.0 0.0 0.0
 LAB^*LABa 0.0 0.0 0.0
 LAB^*TCha 0.0 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 0.0 0.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.0 0.0 0.0
 LAB^*LABa 0.0 0.0 0.0
 LAB^*TCha 0.0 0.0 0.0

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

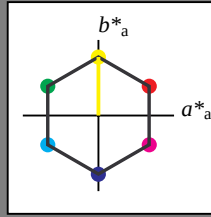
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.5
lab*tch 0.75 0.0 -
lab*nch 0.0 0.5 0.5
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.5
lab*tce 0.25 0.5 0.5
lab*nce 0.0 0.5 0.5

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.5
lab*tch 0.5 0.0 -
lab*nch 0.0 0.5 0.5
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.5
lab*tce 0.5 0.5 0.5
lab*nce 0.0 0.5 0.5

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.5
lab*tch 0.25 0.0 -
lab*nch 0.0 0.5 0.5
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.5
lab*tce 0.25 0.5 0.5
lab*nce 0.0 0.5 0.5

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.5
lab*tch 0.0 0.0 -
lab*nch 0.0 0.5 0.5
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.5
lab*tce 0.0 0.5 0.5
lab*nce 0.0 0.5 0.5

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 99/360 = 0.275$

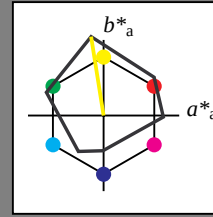
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 106 99

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 93.31 0.0 0.0
LAB*LABa 93.31 0.0 0.0
LAB*LABb 92.8 0.01 -

relative CIELAB lab*
lab*lab 0.981 -0.038 0.247
lab*tch 0.875 0.25 0.275
lab*nch 0.0 0.25 0.275
relative Natural Colour (NC)
lab*trj 0.981 -0.038 0.247
lab*tce 0.875 0.25 0.275
lab*nce 0.0 0.25 0.275

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 74.87 0.0 0.0
LAB*LABa 74.87 0.0 0.0
LAB*LABb 74.87 0.0 0.0

relative CIELAB lab*
lab*lab 0.731 -0.038 0.247
lab*tch 0.625 0.25 0.275
lab*nch 0.0 0.25 0.275
relative Natural Colour (NC)
lab*trj 0.731 -0.038 0.247
lab*tce 0.625 0.25 0.275
lab*nce 0.0 0.25 0.275

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 0.0 0.0
LAB*LABa 56.44 0.0 0.0
LAB*LABb 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.5
lab*tch 0.5 0.0 -
lab*nch 0.0 0.5 0.5
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.5
lab*tce 0.5 0.5 0.5
lab*nce 0.0 0.5 0.5

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.5
lab*tch 0.25 0.0 -
lab*nch 0.0 0.5 0.5
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.5
lab*tce 0.25 0.5 0.5
lab*nce 0.0 0.5 0.5

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

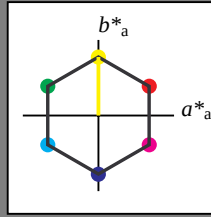
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.06 0.0 38.69
LAB*TCHa 75.0 38.69 90.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.5
lab*tch 0.75 0.0 0.5
lab*nch 0.0 0.5 0.5
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.5
lab*tce 0.25 0.5 0.5
lab*nce 0.0 0.5 0.5

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 38.7
LAB*LABa 56.71 0.0 77.38
LAB*TCHa 50.0 77.38 90.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.5
lab*tch 0.5 0.0 0.5
lab*nch 0.0 0.5 0.5
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.5
lab*tce 0.5 0.5 0.5
lab*nce 0.0 0.5 0.5

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.36 0.0 38.69
LAB*TCHa 25.0 38.69 90.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.5
lab*tch 0.25 0.0 0.5
lab*nch 0.0 0.5 0.5
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.5
lab*tce 0.25 0.5 0.5
lab*nce 0.0 0.5 0.5

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0.50$

$n^* = 0.25$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 103/360 = 0.287$

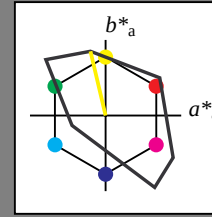
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 94.07 -10.0 42.48
LAB*LABa 94.07 -10.0 42.48
LAB*TCHa 94.07 -10.0 42.48

relative CIELAB lab*
lab*lab 0.991 -0.056 0.243
lab*tch 0.875 0.25 0.287
lab*nch 0.0 0.25 0.287
relative Natural Colour (NC)
lab*trj 0.991 -0.056 0.243
lab*tce 0.875 0.25 0.287
lab*nce 0.0 0.25 0.287

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 75.39 -5.0 21.24
LAB*LABa 75.39 -5.0 21.24
LAB*TCHa 62.5 -5.0 21.24

relative CIELAB lab*
lab*lab 0.741 -0.056 0.243
lab*tch 0.625 0.25 0.287
lab*nch 0.0 0.25 0.287
relative Natural Colour (NC)
lab*trj 0.741 -0.056 0.243
lab*tce 0.625 0.25 0.287
lab*nce 0.0 0.25 0.287

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 -10.01 42.49
LAB*LABa 56.72 -10.01 42.49
LAB*TCHa 50.0 43.64 103.26

relative CIELAB lab*
lab*lab 0.733 -0.114 0.487
lab*tch 0.625 0.25 0.287
lab*nch 0.0 0.25 0.287
relative Natural Colour (NC)
lab*trj 0.733 -0.114 0.487
lab*tce 0.625 0.25 0.287
lab*nce 0.0 0.25 0.287

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 -10.0 42.48
LAB*LABa 37.37 -10.0 42.48
LAB*TCHa 25.0 43.64 103.26

relative CIELAB lab*
lab*lab 0.491 -0.056 0.243
lab*tch 0.375 0.25 0.287
lab*nch 0.0 0.25 0.287
relative Natural Colour (NC)
lab*trj 0.491 -0.056 0.243
lab*tce 0.375 0.25 0.287
lab*nce 0.0 0.25 0.287

$n^* = 0.50$

$n^* = 0.25$

blackness n^*

chromaticness c^*

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = \text{lab}^*h = 90/360 = 0.25$

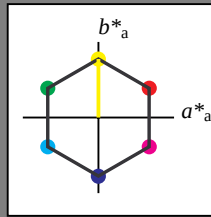
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{\text{rel}} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,\text{rel}} = 100$

$g^*_{C,\text{rel}} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = \text{lab}^*h = 90/360 = 0.25$

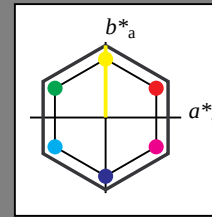
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 64 95 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{\text{rel}} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.01 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.00 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.00 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,\text{rel}} = 100$

$g^*_{C,\text{rel}} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 79.5 0.0 0.0
LAB*LABa 79.5 0.0 0.0
LAB*LABb 47.69 90.0

relative CIELAB lab*
lab*lab 0.833 0.0 0.5
lab*tch 0.75 0.0 0.5
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*trj 0.833 0.027 0.499
lab*tce 0.75 0.0 0.241
lab*nce 0.0 0.5 0.96

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.66 0.0 0.0
LAB*LABa 55.66 0.0 0.0
LAB*LABb 47.7 90.0

relative CIELAB lab*
lab*lab 0.667 0.0 0.25
lab*tch 0.625 0.0 0.25
lab*nch 0.25 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.667 0.014 0.25
lab*tce 0.625 0.25 0.241
lab*nce 0.25 0.25 0.96

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 39.76 0.0 0.0
LAB*LABa 39.76 0.0 0.0
LAB*LABb 23.85 90.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 12.5 90.0

relative CIELAB lab*
lab*lab 0.417 0.0 0.25
lab*tch 0.375 0.0 0.25
lab*nch 0.5 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.417 0.014 0.25
lab*tce 0.375 0.25 0.241
lab*nce 0.5 0.25 0.96

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 15.91 0.0 0.0
LAB*LABa 15.91 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.167 0.0 0.25
lab*tch 0.167 0.0 0.25
lab*nch 0.75 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.167 0.014 0.25
lab*tce 0.167 0.25 0.241
lab*nce 0.75 0.25 0.96

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

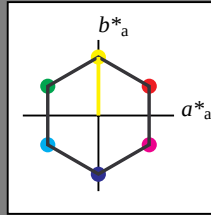
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.07 0.0 0.0
 LAB^*TCha 75.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*LABa 56.72 0.0 0.0
 LAB^*TCha 50.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 0.0
 lab^*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TCha 25.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 0.5 (1.0)
 $cmyn3^*$ 0.0 0.0 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.06 0.0 0.0
 LAB^*TCha 75.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.5
 lab^*tch 0.75 0.0 0.5
 lab^*nch 0.0 0.5 0.0
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.5
 lab^*tce 0.25 0.5 0.0
 lab^*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.5 (1.0)
 $cmyn3^*$ 0.25 0.25 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.71 0.0 0.0
 LAB^*LABa 56.71 0.0 0.0
 LAB^*TCha 50.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.5
 lab^*tch 0.75 0.0 0.5
 lab^*nch 0.0 0.5 0.0
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.5
 lab^*tce 0.25 0.5 0.0
 lab^*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TCha 25.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.5
 lab^*tch 0.5 0.0 0.5
 lab^*nch 0.0 0.5 0.0
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.5
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.25
 lab^*tch 0.25 0.0 0.25
 lab^*nch 0.0 0.25 0.0
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.25
 lab^*tce 0.25 0.25 0.0
 lab^*nce 0.0 0.25 0.0

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

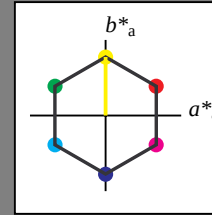
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 70 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.07 0.0 0.0
 LAB^*TCha 75.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*LABa 56.72 0.0 0.0
 LAB^*TCha 50.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 0.0
 lab^*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TCha 25.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 0.5 (1.0)
 $cmyn3^*$ 0.0 0.0 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.05 0.0 0.0
 LAB^*TCha 75.01 -

relative CIELAB lab*
 lab^*lab 0.833 0.0 0.5
 lab^*tch 0.75 0.0 0.5
 lab^*nch 0.0 0.5 0.0
 relative Natural Colour (NC)
 lab^*trj 0.833 0.0 0.5
 lab^*tce 0.25 0.5 0.0
 lab^*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.5 (1.0)
 $cmyn3^*$ 0.25 0.25 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.71 0.0 0.0
 LAB^*LABa 56.71 0.0 0.0
 LAB^*TCha 50.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.5
 lab^*tch 0.75 0.0 0.5
 lab^*nch 0.0 0.5 0.0
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.5
 lab^*tce 0.25 0.5 0.0
 lab^*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TCha 25.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.5
 lab^*tch 0.5 0.0 0.5
 lab^*nch 0.0 0.5 0.0
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.5
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.25
 lab^*tch 0.25 0.0 0.25
 lab^*nch 0.0 0.25 0.0
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.25
 lab^*tce 0.25 0.25 0.0
 lab^*nce 0.0 0.25 0.0

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

5 step scales for constant CIELAB hue 90/360 = 0.25 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

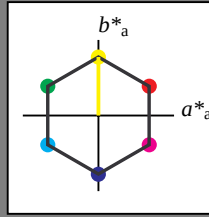
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.07 0.0 0.0
 LAB^*TCha 75.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*LABa 56.72 0.0 0.0
 LAB^*TCha 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 0.0
 lab^*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TCha 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 0.5 (1.0)
 $cmyn3^*$ 0.0 0.0 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.06 0.0 38.69
 LAB^*TCha 75.0 38.69 90.0

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.5
 lab^*tch 0.75 0.0 0.5
 lab^*nch 0.0 0.5 0.5
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.5
 lab^*tce 0.25 0.5 0.5
 lab^*nce 0.0 0.5 0.5

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.5 (1.0)
 $cmyn3^*$ 0.25 0.25 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.71 0.0 38.7
 LAB^*LABa 56.71 0.0 38.7
 LAB^*TCha 50.0 38.7 90.0

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.5
 lab^*tch 0.5 0.0 0.5
 lab^*nch 0.0 0.5 0.5
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.5
 lab^*tce 0.5 0.5 0.5
 lab^*nce 0.0 0.5 0.5

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.36 0.0 38.69
 LAB^*LABa 37.36 0.0 38.69
 LAB^*TCha 25.01 38.69 90.0

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.5
 lab^*tch 0.25 0.0 0.5
 lab^*nch 0.0 0.5 0.5
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.5
 lab^*tce 0.25 0.5 0.5
 lab^*nce 0.0 0.5 0.5

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

1,00

0,75

$n^* = 0,00$

0,25

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

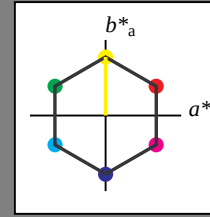
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.07 0.0 0.0
 LAB^*TCha 75.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*LABa 56.72 0.0 0.0
 LAB^*TCha 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 0.0
 lab^*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TCha 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 0.5 (1.0)
 $cmyn3^*$ 0.0 0.0 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.06 0.0 38.69
 LAB^*LABa 76.06 0.0 38.69
 LAB^*TCha 75.0 38.69 90.0

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.5
 lab^*tch 0.75 0.0 0.5
 lab^*nch 0.0 0.5 0.5
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.5
 lab^*tce 0.25 0.5 0.5
 lab^*nce 0.0 0.5 0.5

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.5 (1.0)
 $cmyn3^*$ 0.25 0.25 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.71 0.0 38.7
 LAB^*LABa 56.71 0.0 38.7
 LAB^*TCha 50.0 38.7 90.0

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.5
 lab^*tch 0.5 0.0 0.5
 lab^*nch 0.0 0.5 0.5
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.5
 lab^*tce 0.5 0.5 0.5
 lab^*nce 0.0 0.5 0.5

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.36 0.0 38.69
 LAB^*LABa 37.36 0.0 38.69
 LAB^*TCha 25.01 38.69 90.0

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.5
 lab^*tch 0.25 0.0 0.5
 lab^*nch 0.0 0.5 0.5
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.5
 lab^*tce 0.25 0.5 0.5
 lab^*nce 0.0 0.5 0.5

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 0.5 (1.0)
 $cmyn4^*$ 0.0 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

1,00

0,75

OE500-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

5 step scales for constant CIELAB hue 90/360 = 0.25 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$

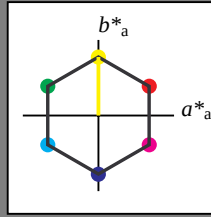
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.01	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.75	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	0.75	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	85.73	0.0	19.34
LAB*LABa	85.73	0.0	19.34
LAB*LABb	87.51	0.06	19.34

relative CIELAB lab*

lab*lab	0.875	0.0	0.25
lab*tch	0.875	0.25	0.25
lab*nch	0.0	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.875	0.014	0.25
lab*tce	0.0	0.25	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	66.33	0.0	19.35
LAB*LABa	66.33	0.0	19.35
LAB*LABb	66.39	0.06	19.35

relative CIELAB lab*

lab*lab	0.625	0.0	0.25
lab*tch	0.625	0.25	0.25
lab*nch	0.0	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.625	0.014	0.25
lab*tce	0.0	0.25	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.0	38.7
LAB*LABa	56.71	0.0	38.7
LAB*LABb	50.01	0.01	38.7

relative CIELAB lab*

lab*lab	0.5	0.0	0.5
lab*tch	0.5	0.25	0.25
lab*nch	0.0	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.5	0.027	0.499
lab*tce	0.0	0.25	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.0	38.69
LAB*LABa	37.36	0.0	38.69
LAB*LABb	25.01	0.01	38.69

relative CIELAB lab*

lab*lab	0.25	0.0	0.5
lab*tch	0.25	0.25	0.25
lab*nch	0.0	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.25	0.027	0.499
lab*tce	0.0	0.25	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	38.69
LAB*LABa	76.07	0.0	38.69
LAB*LABb	75.01	0.01	38.69

relative CIELAB lab*

lab*lab	0.75	0.0	0.5
lab*tch	0.75	0.25	0.25
lab*nch	0.0	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.75	0.014	0.499
lab*tce	0.0	0.25	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.25	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.0	38.7
LAB*LABa	56.71	0.0	38.7
LAB*LABb	50.01	0.01	38.7

relative CIELAB lab*

lab*lab	0.625	0.0	0.75
lab*tch	0.625	0.25	0.25
lab*nch	0.0	0.75	0.25

relative Natural Colour (NC)

lab*trj	0.625	0.014	0.749
lab*tce	0.0	0.75	0.241
lab*nce	0.0	0.75	0.96

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.0	38.69
LAB*LABa	37.36	0.0	38.69
LAB*LABb	25.01	0.01	38.69

relative CIELAB lab*

lab*lab	0.5	0.0	0.5
lab*tch	0.5	0.25	0.25
lab*nch	0.0	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.5	0.027	0.499
lab*tce	0.0	0.25	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.0	38.69
LAB*LABa	37.36	0.0	38.69
LAB*LABb	25.01	0.01	38.69

relative CIELAB lab*

lab*lab	0.25	0.0	0.5
lab*tch	0.25	0.25	0.25
lab*nch	0.0	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.25	0.027	0.499
lab*tce	0.0	0.25	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 0,50$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

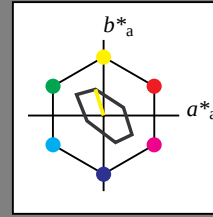
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.56	0.0	0.0
LAB*LABa	62.56	0.0	0.0
LAB*LABb	50.01	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.
--------	----

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

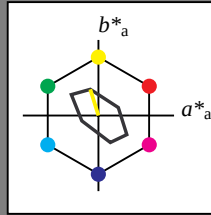
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.04	-2.68	8.65
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.59	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.75	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	0.75	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	95.04	-2.68	8.65
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	-

relative CIELAB lab*

lab*lab	0.986	-0.073	0.239
lab*tch	0.875	0.25	0.298
lab*nch	0.0	0.25	0.298

relative Natural Colour (NC)

lab*trj	0.986	-0.081	0.236
lab*tce	0.875	0.25	0.304
lab*nce	0.0	0.25	0.218

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	88.61	-2.68	8.66
LAB*LABa	88.61	-2.68	8.66
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.736	-0.073	0.239
lab*tch	0.625	0.25	0.298
lab*nch	0.25	0.25	0.298

relative Natural Colour (NC)

lab*trj	0.736	-0.081	0.236
lab*tce	0.625	0.25	0.304
lab*nce	0.25	0.25	0.218

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	82.59	-2.68	8.66
LAB*LABa	82.56	-2.68	8.66
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 0,25$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	94.65	-3.37	17.31
LAB*LABa	94.67	-3.37	17.31
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.957	-0.147	0.477
lab*tch	0.75	0.5	0.298
lab*nch	0.0	0.5	0.298

relative Natural Colour (NC)

lab*trj	0.957	-0.148	0.472
lab*tce	0.75	0.5	0.304
lab*nce	0.0	0.5	0.218

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.25	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	88.24	-3.38	17.32
LAB*LABa	88.24	-3.38	17.32
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.721	-0.147	0.477
lab*tch	0.5	0.5	0.298
lab*nch	0.25	0.5	0.298

relative Natural Colour (NC)

lab*trj	0.721	-0.148	0.472
lab*tce	0.5	0.5	0.304
lab*nce	0.25	0.5	0.218

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.24	-3.38	17.32
LAB*LABa	88.24	-3.38	17.32
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	81.82	-3.37	17.31
LAB*LABa	81.82	-3.37	17.31
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.471	-0.147	0.477
lab*tch	0.25	0.5	0.298
lab*nch	0.0	0.5	0.298

relative Natural Colour (NC)

lab*trj	0.471	-0.148	0.472
lab*tce	0.25	0.5	0.304
lab*nce	0.0	0.5	0.218

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.25	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.0	(1.0)
cmyn3*	0.25	0.25	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.71	-0.24	2.14
LAB*LABa	69.71	-0.24	2.14
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	73.36	0.13	
---------	-------	------	--

5 step scales for constant CIELAB hue 103/360 = 0.286 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

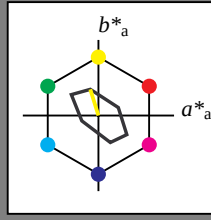
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.04	-2.68	8.65	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.0	0.0	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	
LAB*LABa	88.98	0.0	0.0	
LAB*LABb	75.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.59	0.0	0.0	
LAB*LABa	82.56	0.0	0.0	
LAB*LABb	50.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.13	0.0	0.0	
LAB*LABa	76.13	0.0	0.0	
LAB*LABb	25.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	
LAB*LABa	69.7	0.0	0.0	
LAB*LABb	0.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.75	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	0.75	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.04	-2.68	8.65	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.986	-0.073	0.239	
lab*lab	0.875	0.25	0.298	
lab*lab	0.0	0.25	0.298	
relative Natural Colour (NC)				
lab*lab	0.986	-0.081	0.236	
lab*lab	0.875	0.25	0.304	
lab*lab	0.0	0.25	0.218	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	88.61	-2.68	8.66	
LAB*LABa	88.61	-2.68	8.66	
LAB*LABb	75.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.736	-0.081	0.236	
lab*lab	0.625	0.25	0.304	
lab*lab	0.25	0.25	0.218	
relative Natural Colour (NC)				
lab*lab	0.736	-0.081	0.236	
lab*lab	0.625	0.25	0.304	
lab*lab	0.25	0.25	0.218	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.59	-2.68	8.66	
LAB*LABa	82.59	-2.68	8.66	
LAB*LABb	50.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.13	-2.68	8.66	
LAB*LABa	76.13	-2.68	8.66	
LAB*LABb	25.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.7	-2.68	8.66	
LAB*LABa	69.7	-2.68	8.66	
LAB*LABb	0.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	94.65	-3.37	17.31	
LAB*LABa	94.67	-3.37	17.31	
LAB*LABb	75.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.971	-0.147	0.477	
lab*lab	0.75	0.5	0.298	
lab*lab	0.0	0.5	0.298	
relative Natural Colour (NC)				
lab*lab	0.971	-0.147	0.477	
lab*lab	0.75	0.5	0.304	
lab*lab	0.0	0.5	0.218	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.25	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	88.24	-3.38	17.32	
LAB*LABa	88.24	-3.38	17.32	
LAB*LABb	50.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.721	-0.147	0.477	
lab*lab	0.5	0.5	0.298	
lab*lab	0.0	0.5	0.298	
relative Natural Colour (NC)				
lab*lab	0.721	-0.147	0.477	
lab*lab	0.5	0.5	0.304	
lab*lab	0.0	0.5	0.218	

*ive Inform. Technology (IT)				
3	0.5	0.5	0.0	(1.0)
3	0.5	0.5	1.0	(0.0)
4	1.0	1.0	0.5	0.5
4	0.0	0.0	0.5	0.5
standard and adapted CIELAB				
*LAB	81.82	-5.37	17.31	
*LABa	81.82	-5.37	17.31	
*TChA	25.01	18.13	107.28	
ive CIELAB lab*				
lab	0.471	-0.147	0.477	
inch	0.25	0.5	0.298	
inch	0.5	0.5	0.298	
ive Natural Colour (NC)				
lri	0.471	-0.164	0.472	
lce	0.25	0.5	0.304	
lncE	0.5	0.5	0.21g	

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

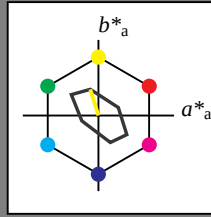
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.0	0.0	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	
LAB*LABa	88.98	0.0	0.0	
LAB*LABb	99.99	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.56	0.0	0.0	
LAB*LABa	82.56	0.0	0.0	
LAB*LABb	99.99	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.13	0.0	0.0	
LAB*LABa	76.13	0.0	0.0	
LAB*LABb	99.99	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	
LAB*LABa	69.7	0.0	0.0	
LAB*LABb	99.99	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	0.986	-0.073	0.239	
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	94.07	-10.0	42.48	
LAB*LABa	94.07	-10.0	42.48	
LAB*LABb	99.99	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.986	-0.073	0.239	
lab*lab	0.986	-0.073	0.239	
lab*lab	0.986	-0.073	0.239	
relative Natural Colour (NC)				
lab*lab	0.986	-0.073	0.239	
lab*lab	0.986	-0.073	0.239	
lab*lab	0.986	-0.073	0.239	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	88.61	-2.68	8.65	
LAB*LABa	88.61	-2.68	8.65	
LAB*LABb	99.99	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.18	-2.68	8.65	
LAB*LABa	82.18	-2.68	8.65	
LAB*LABb	99.99	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	75.76	-2.68	8.65	
LAB*LABa	75.76	-2.68	8.65	
LAB*LABb	99.99	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	
LAB*LABa	69.7	0.0	0.0	
LAB*LABb	99.99	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	0.986	-0.073	0.239	
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	94.07	-10.0	42.48	
LAB*LABa	94.07	-10.0	42.48	
LAB*LABb	99.99	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.986	-0.073	0.239	
lab*lab	0.986	-0.073	0.239	
lab*lab	0.986	-0.073	0.239	
relative Natural Colour (NC)				
lab*lab	0.986	-0.073	0.239	
lab*lab	0.986	-0.073	0.239	
lab*lab	0.986	-0.073	0.239	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	88.24	-5.38	17.32	
LAB*LABa	88.24	-5.38	17.32	
LAB*LABb	99.99	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.18	-5.38	17.32	
LAB*LABa	82.18	-5.38	17.32	
LAB*LABb	99.99	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	

relative CIE <i>LAB</i> <i>lab</i> *			
<i>lab</i> * <i>lab</i>	0.471	-0.147	0.477
<i>lab</i> * <i>tch</i>	0.25	0.5	0.298
<i>lab</i> * <i>nch</i>	0.5	0.5	0.298
relative Natural Colour (NC)			
<i>lab</i> * <i>lrj</i>	0.471	-0.164	0.472
<i>lab</i> * <i>tce</i>	0.25	0.5	0.304
<i>lab</i> * <i>nCe</i>	0.5	0.5	0.21g

$n^* = 0,50$

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

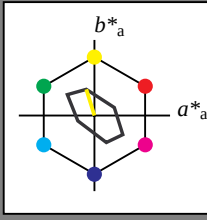
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0.75

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	99.99	0.0	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	88.98	0.0	0.0		
LAB*LABa	88.98	0.0	0.0		
LAB*LABb	75.0	0.0	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	82.56	0.0	0.0		
LAB*LABa	82.56	0.0	0.0		
LAB*LABb	50.0	0.0	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	-		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.13	0.0	0.0		
LAB*LABa	76.13	0.0	0.0		
LAB*LABb	25.0	0.0	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	69.7	0.0	0.0		
LAB*LABa	69.7	0.0	0.0		
LAB*LABb	0.0	0.0	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.04	-2.68	8.65		
LAB*LABa	95.04	-2.68	8.65		
LAB*LABb	87.5	9.06	107.28		
relative CIELAB lab*					
lab*lab	0.986	-0.073	0.239		
lab*tch	0.875	0.25	0.298		
lab*nch	0.0	0.25	0.298		
relative Natural Colour (NC)					
lab*trj	0.986	-0.081	0.236		
lab*tce	0.875	0.25	0.304		
lab*nce	0.0	0.25	0.218		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.5	(1.0)	
cmyn3*	0.25	0.25	0.5	(0.0)	
olvi4*	1.0	1.0	0.5	(1.0)	
cmyn4*	0.0	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	88.61	-2.68	8.66		
LAB*LABa	88.61	-2.68	8.66		
LAB*LABb	82.5	9.07	107.28		
relative CIELAB lab*					
lab*lab	0.736	-0.073	0.239		
lab*tch	0.625	0.25	0.298		
lab*nch	0.25	0.25	0.298		
relative Natural Colour (NC)					
lab*trj	0.736	-0.081	0.236		
lab*tce	0.625	0.25	0.304		
lab*nce	0.25	0.25	0.218		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.25	(1.0)	
cmyn3*	0.5	0.5	0.25	(0.0)	
olvi4*	1.0	1.0	0.25	(1.0)	
cmyn4*	0.0	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	82.18	-2.68	8.66		
LAB*LABa	82.18	-2.68	8.66		
LAB*LABb	37.5	9.07	107.28		
relative CIELAB lab*					
lab*lab	0.486	-0.073	0.239		
lab*tch	0.375	0.25	0.298		
lab*nch	0.25	0.25	0.298		
relative Natural Colour (NC)					
lab*trj	0.486	-0.081	0.236		
lab*tce	0.375	0.25	0.304		
lab*nce	0.25	0.25	0.218		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.0	(1.0)	
cmyn3*	0.75	0.75	0.0	(0.0)	
olvi4*	1.0	1.0	0.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.13	0.0	0.0		
LAB*LABa	76.13	0.0	0.0		
LAB*LABb	25.0	0.0	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	0.0	(0.0)	
olvi4*	1.0	1.0	0.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	69.7	0.0	0.0		
LAB*LABa	69.7	0.0	0.0		
LAB*LABb	0.0	0.0	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	0.5	(1.0)	
cmyn3*	0.0	0.0	0.5	(0.0)	
olvi4*	1.0	1.0	0.5	(1.0)	
cmyn4*	0.0	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	94.67	-5.37	17.31		
LAB*LABa	94.67	-5.37	17.31		
LAB*LABb	75.0	18.13	107.28		
relative CIELAB lab*					
lab*lab	0.971	-0.147	0.477		
lab*tch	0.75	0.5	0.298		
lab*nch	0.0	0.5	0.298		
relative Natural Colour (NC)					
lab*trj	0.971	-0.164	0.472		
lab*tce	0.75	0.5	0.304		
lab*nce	0.0	0.5	0.218		

relative CIELAB lab*			
lab*lab	0.971	-0.147	0.497
lab*ach	0.75	0.5	0.298
lab*nch	0.0	0.5	0.298
relative Natural Colour (NC)			
lab*irj	0.971	-0.164	0.472
lab*nce	0.75	0.5	0.304
lab*nce	0.0	0.5	j21g
relative Inform. Technology (IT)			
olvi3*	0.75	0.75	0.25 (1.0)
cmyn3*	0.25	0.25	0.75 (0.0)
olvi4*	1.0	1.0	0.25 (1.0)
cmyn4*	0.0	0.0	0.5 (0.0)
standard and adapted CIELAB			
LAB*LAB	88.24	-5.38	17.32
LAB*LABa	88.24	-5.38	17.32
LAB*LABb	50.0	18.13	107.28

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 107/360 = 0.298$

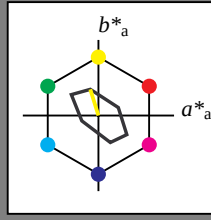
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)									
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	88.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	82.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	82.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	76.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.986	0.986	0.986	0.986	0.986	0.986	0.986	0.986	0.986
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.04	2.68	8.65	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.04	2.68	8.65	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	88.61	2.68	8.65	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	88.61	2.68	8.65	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	82.18	2.68	8.65	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	82.18	2.68	8.65	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	75.76	2.68	8.65	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	75.76	2.68	8.65	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TLS70; adapted (a) CIELAB data					
$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	1.0
cmyn4*	0.0	0.0	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	94.67	-5.37	17.31	
LAB*Lab _a	94.67	-5.37	17.31	
LAB*TC _{hA}	75.0	18.13	107.2f	
relative CIELAB lab*				
lab*lab	0.971	-0.147	0.477	
lab*tc _h	0.75	0.5	0.298	
lab*nch	0.0	0.5	0.298	
relative Natural Colour (NC)				
lab*lr _l	0.971	-0.164	0.472	
lab*lr _a	0.75	0.5	0.304	
lab*nC _E	0.0	0.5	0.21e	

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

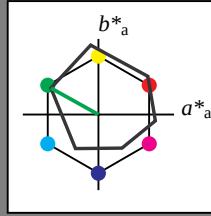
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	-36.47	4.75	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	
LAB*LABa	37.36	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.75	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	73.15	-31.96	20.73	
LAB*LABa	73.15	-31.4	17.48	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.856	-0.217	0.121	
lab*tch	0.875	0.25	0.419	
lab*nch	0.0	0.25	0.419	
relative Natural Colour (NC)				
lab*trj	0.856	-0.238	0.072	
lab*tce	0.875	0.25	0.453	
lab*nce	0.0	0.25	0.419	

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.25	0.5	(0.0)
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	53.81	-31.6	19.43	
LAB*LABa	53.81	-31.41	17.48	
LAB*TCRa	50.0	35.95	150.91	
relative CIELAB lab*				
lab*lab	0.462	-0.436	0.243	
lab*tch	0.462	0.25	0.419	
lab*nch	0.0	0.25	0.419	
relative Natural Colour (NC)				
lab*trj	0.462	-0.478	0.144	
lab*tce	0.462	0.25	0.453	
lab*nce	0.0	0.25	0.419	

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	34.46	-31.22	18.12	
LAB*LABa	34.46	-31.4	17.48	
LAB*TCRa	25.01	35.95	150.91	
relative CIELAB lab*				
lab*lab	0.213	-0.436	0.243	
lab*tch	0.213	0.25	0.419	
lab*nch	0.5	0.25	0.419	
relative Natural Colour (NC)				
lab*trj	0.213	-0.478	0.144	
lab*tce	0.213	0.25	0.453	
lab*nce	0.5	0.25	0.419	

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 1,0$

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

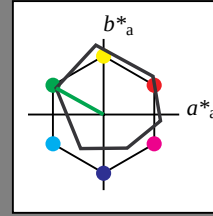
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	-36.47	4.75	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	
LAB*LABa	37.36	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	-	
lab*nch	0.75	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.25	0.0	0.0	
lab*rice	0.25	0.0	-	

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

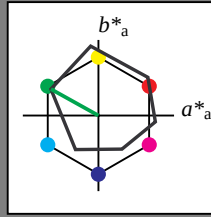
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)	
olvi3*	1.0 1.0 1.0 (1.0)
cmyn3*	0.0 0.0 0.0 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 -0.36 4.75
LAB*LABa	95.41 0.0 0.0
LAB*TCRa	99.99 0.01 -
relative CIELAB lab*	
lab*lab	1.0 0.0 0.0
lab*tch	1.0 0.0 -
lab*nch	0.0 0.0 -
relative Natural Colour (NC)	
lab*trj	1.0 0.0 0.0
lab*tce	0.0 0.0 -
lab*nce	0.0 0.0 -

relative Inform. Technology (IT)	
olvi3*	0.75 0.75 0.75 (1.0)
cmyn3*	0.25 0.25 0.25 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	76.98 -0.61 3.44
LAB*LABa	76.06 0.0 0.0
LAB*TCRa	75.0 0.01 -
relative CIELAB lab*	
lab*lab	0.75 0.0 0.0
lab*tch	0.75 0.0 -
lab*nch	0.0 0.0 -
relative Natural Colour (NC)	
lab*trj	0.75 0.0 0.0
lab*tce	0.25 0.0 -
lab*nce	0.25 0.0 -

relative Inform. Technology (IT)	
olvi3*	0.5 0.5 0.5 (1.0)
cmyn3*	0.5 0.5 0.5 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	56.71 -0.24 2.14
LAB*LABa	56.71 0.0 0.0
LAB*TCRa	50.0 0.01 -
relative CIELAB lab*	
lab*lab	0.5 0.0 0.0
lab*tch	0.5 0.0 -
lab*nch	0.0 0.0 -
relative Natural Colour (NC)	
lab*trj	0.5 0.0 0.0
lab*tce	0.5 0.0 -
lab*nce	0.5 0.0 -

relative Inform. Technology (IT)	
olvi3*	0.25 0.25 0.25 (1.0)
cmyn3*	0.75 0.75 0.75 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	37.36 0.13 8.83
LAB*LABa	37.36 0.0 0.0
LAB*TCRa	25.0 0.01 -
relative CIELAB lab*	
lab*lab	0.25 0.0 0.0
lab*tch	0.25 0.0 -
lab*nch	0.0 0.0 -
relative Natural Colour (NC)	
lab*trj	0.25 0.0 0.0
lab*tce	0.25 0.0 -
lab*nce	0.25 0.0 -

relative Inform. Technology (IT)	
olvi3*	0.0 0.0 0.0 (1.0)
cmyn3*	1.0 1.0 1.0 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	18.02 0.5 -0.47
LAB*LABa	18.02 0.0 0.0
LAB*TCRa	0.01 0.01 -
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*tch	0.0 0.0 -
lab*nch	0.0 0.0 -
relative Natural Colour (NC)	
lab*trj	0.0 0.0 0.0
lab*tce	0.0 0.0 -
lab*nce	0.0 0.0 -

relative Inform. Technology (IT)	
olvi3*	0.75 1.0 0.75 (1.0)
cmyn3*	0.25 0.0 0.25 (0.0)
olvi4*	0.75 1.0 0.75 (1.0)
cmyn4*	0.25 0.0 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	84.28 -16.47 12.74
LAB*LABa	84.28 -15.69 8.74
LAB*TCRa	87.5 17.97 150.91
relative CIELAB lab*	
lab*lab	0.856 -0.217 0.121
lab*tch	0.875 0.25 0.419
lab*nch	0.0 0.25 0.419
relative Natural Colour (NC)	
lab*trj	0.856 -0.238 0.072
lab*tce	0.25 0.25 0.453
lab*nce	0.0 0.25 0.818

relative Inform. Technology (IT)	
olvi3*	0.5 0.75 0.5 (1.0)
cmyn3*	0.5 0.25 0.5 (0.0)
olvi4*	0.75 1.0 0.75 (1.0)
cmyn4*	0.25 0.0 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	64.93 -16.1 11.44
LAB*LABa	64.93 -15.7 8.74
LAB*TCRa	62.5 17.98 150.91
relative CIELAB lab*	
lab*lab	0.606 -0.217 0.122
lab*tch	0.625 0.25 0.419
lab*nch	0.25 0.25 0.419
relative Natural Colour (NC)	
lab*trj	0.606 -0.238 0.072
lab*tce	0.625 0.25 0.453
lab*nce	0.25 0.25 0.818

relative Inform. Technology (IT)	
olvi3*	0.25 0.5 0.25 (1.0)
cmyn3*	0.75 0.25 0.75 (0.0)
olvi4*	0.75 1.0 0.75 (1.0)
cmyn4*	0.25 0.0 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	45.58 -15.73 10.13
LAB*LABa	45.58 -15.7 8.74
LAB*TCRa	37.5 17.98 150.91
relative CIELAB lab*	
lab*lab	0.356 -0.217 0.122
lab*tch	0.375 0.25 0.419
lab*nch	0.25 0.25 0.419
relative Natural Colour (NC)	
lab*trj	0.356 -0.238 0.072
lab*tce	0.375 0.25 0.453
lab*nce	0.25 0.25 0.818

relative Inform. Technology (IT)	
olvi3*	0.0 0.25 0.0 (1.0)
cmyn3*	1.0 0.75 1.0 (0.0)
olvi4*	0.75 1.0 0.75 (1.0)
cmyn4*	0.25 0.0 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	26.24 -15.35 8.82
LAB*LABa	26.24 -15.69 8.74
LAB*TCRa	12.5 17.97 150.91
relative CIELAB lab*	
lab*lab	0.106 -0.217 0.121
lab*tch	0.125 0.25 0.419
lab*nch	0.75 0.25 0.419
relative Natural Colour (NC)	
lab*trj	0.106 -0.238 0.072
lab*tce	0.125 0.25 0.453
lab*nce	0.75 0.25 0.818

relative Inform. Technology (IT)	
olvi3*	0.5 1.0 0.5 (1.0)
cmyn3*	0.5 0.0 0.5 (0.0)
olvi4*	0.5 1.0 0.5 (1.0)
cmyn4*	0.5 0.0 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	73.15 -11.96 20.73
LAB*LABa	73.15 -31.4 17.48
LAB*TCRa	75.0 35.95 150.91
relative CIELAB lab*	
lab*lab	0.712 -0.436 0.243
lab*tch	0.75 0.5 0.419
lab*nch	0.0 0.5 0.419
relative Natural Colour (NC)	
lab*trj	0.712 -0.478 0.144
lab*tce	0.75 0.5 0.453
lab*nce	0.0 0.5 0.818

relative Inform. Technology (IT)	
olvi3*	0.25 1.0 0.25 (1.0)
cmyn3*	0.75 0.25 0.75 (0.0)
olvi4*	0.5 1.0 0.5 (1.0)
cmyn4*	0.5 0.0 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	53.81 -31.6 19.43
LAB*LABa	53.81 -31.4 17.48
LAB*TCRa	50.0 35.95 150.91
relative CIELAB lab*	
lab*lab	0.462 -0.436 0.243
lab*tch	0.5 0.5 0.419
lab*nch	0.25 0.5 0.419
relative Natural Colour (NC)	
lab*trj	0.462 -0.478 0.144
lab*tce	0.5 0.5 0.453
lab*nce	0.25 0.5 0.818

relative Inform. Technology (IT)	
olvi3*	0.0 0.5 0.0 (1.0)
cmyn3*	1.0 0.5 1.0 (0.0)
olvi4*	0.5 1.0 0.5 (1.0)
cmyn4*	0.5 0.0 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	34.46 -31.22 18.12
LAB*LABa	34.46 -31.4 17.48
LAB*TCRa	25.01 35.95 150.91
relative CIELAB lab*	
lab*lab	0.213 -0.436 0.243
lab*tch	0.25 0.5 0.419
lab*nch	0.5 0.5 0.419
relative Natural Colour (NC)	
lab*trj	0.213 -0.478 0.144
lab*tce	0.25 0.5 0.453
lab*nce	0.5 0.5 0.818

relative Inform. Technology (IT)	
olvi3*	0.0 0.25 0.0 (1.0)
cmyn3*	1.0 0.75 1.0 (0.0)
olvi4*	0.75 1.0 0.75 (1.0)
cmyn4*	0.25 0.0 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	26.24 -15.35 8.82
LAB*LABa	26.24 -15.69 8.74
LAB*TCRa	12.5 17.97 150.91
relative CIELAB lab*	
lab*lab	0.106 -0.217 0.121
lab*tch	0.125 0.25 0.419
lab*nch	0.75 0.25 0.419
relative Natural Colour (NC)	
lab*trj	0.106 -0.238 0.072
lab*tce	0.125 0.25 0.453
lab*nce	0.75 0.25 0.818

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

blackness n^*

chromaticness c^*

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00</$

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

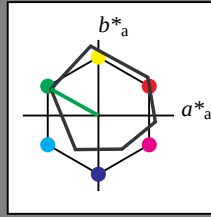
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.98	-0.61	3.44
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.98	-0.61	3.44
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	37.36	0.13	8.83
LAB*LABa	37.36	0.0	0.0
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	1.0	0.5	0.0
cmyn4*	0.5	0.5	0.5	0.0

standard and adapted CIELAB

LAB*LAB	73.15	-11.96	20.73
LAB*LABa	73.15	-31.4	17.48
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.856	-0.217	0.121
lab*tch	0.875	0.25	0.419
lab*nch	0.0	0.5	0.419

relative Natural Colour (NC)

lab*trj	0.856	-0.238	0.072
lab*tce	0.25	0.25	0.453
lab*nce	0.0	0.25	0.818

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	0.5	1.0	0.5	0.0
cmyn4*	0.5	0.25	0.5	0.0

standard and adapted CIELAB

LAB*LAB	53.81	-31.6	19.43
LAB*LABa	53.81	-31.41	17.48
LAB*LABb	50.0	35.95	150.91

relative CIELAB lab*

lab*lab	0.462	-0.436	0.243
lab*tch	0.462	0.5	0.419
lab*nch	0.0	0.5	0.419

relative Natural Colour (NC)

lab*trj	0.569	-0.478	0.144
lab*tce	0.5	0.5	0.453
lab*nce	0.0	0.5	0.818

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.25	1.0	0.25	0.0
cmyn4*	0.25	0.25	0.25	0.0

standard and adapted CIELAB

LAB*LAB	33.81	-31.6	19.43
LAB*LABa	33.81	-31.41	17.48
LAB*LABb	50.0	35.95	150.91

relative CIELAB lab*

lab*lab	0.462	-0.436	0.243
lab*tch	0.462	0.5	0.419
lab*nch	0.0	0.5	0.419

relative Natural Colour (NC)

lab*trj	0.462	-0.478	0.144
lab*tce	0.25	0.5	0.453
lab*nce	0.0	0.5	0.818

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	0.0
olvi4*	0.0	1.0	0.5	0.0
cmyn4*	0.5	0.0	0.5	0.0

standard and adapted CIELAB

LAB*LAB	34.46	-31.22	18.12
LAB*LABa	34.46	-31.4	17.48
LAB*LABb	25.01	35.95	150.91

relative CIELAB lab*

lab*lab	0.213	-0.436	0.243
lab*tch	0.213	0.5	0.419
lab*nch	0.0	0.5	0.419

relative Natural Colour (NC)

lab*trj	0.213	-0.478	0.144
lab*tce	0.25	0.5	0.453
lab*nce	0.0	0.5	0.818

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 158/360 = 0.439$

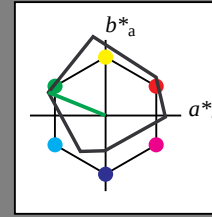
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	0.0	1.0	1.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.31	-0.11	2.58
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	36.5	1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

chromaticness c^*

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	1.0	0.5	0.0
cmyn4*	0.5	0.5	0.5	0.0

standard and adapted CIELAB

LAB*LAB	72.26	-30.31	17.76
LAB*LABa	72.26	-37.8	15.32
LAB*LABb	75.0	40.8	157.94

relative CIELAB lab*

lab*lab	0.698	-0.462	0.188
lab*tch	0.75	0.5	0.439
lab*nch	0.0	0.5	0.439

relative Natural Colour (NC)

lab*trj	0.698	-0.494	0.074
lab*tce	0.5	0.5	0.476
lab*nce	0.0	0.5	0.908

Technology (IT)				
0.75	0.25	(1.0)		
0.25	0.75	(0.0)		
1.0	0.5	0.75		
0.0	0.5	0.25		
adapted CIELAB				
32	-38.64	17.63		
32	-37.81	15.33		
0	40.81	157.94		
Lab*				
48	-0.462	0.188		
5	0.5	0.439		
25	0.5	0.439		
Colour (NC)				
48	-0.494	0.074		
5	0.5	0.476		
25	0.5	190g		

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

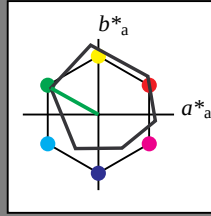
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	76.96	-0.61	3.44	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.96	-0.61	3.44	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.71	0.24	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.71	0.24	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	
LAB*LABa	37.36	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.75	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	
LAB*LABa	37.36	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.75	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	0.0
cmyn4*	0.5	0.0	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	73.15	-11.96	20.73	
LAB*LABa	73.15	-31.4	17.48	
LAB*TCRa	75.0	35.95	150.91	
relative CIELAB lab*				
lab*lab	0.856	-0.217	0.121	
lab*tch	0.875	0.25	0.419	
lab*nch	0.0	0.5	0.419	
relative Natural Colour (NC)				
lab*trj	0.856	-0.238	0.072	
lab*tce	0.875	0.25	0.453	
lab*nce	0.0	0.25	0.818	

relative Inform. Technology (IT)				
olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	0.5	1.0	0.5	0.0
cmyn4*	0.5	0.25	0.5	0.25
standard and adapted CIELAB				
LAB*LAB	64.93	-16.1	11.44	
LAB*LABa	64.93	-15.7	8.74	
LAB*TCRa	62.5	17.98	150.91	
relative CIELAB lab*				
lab*lab	0.696	-0.217	0.122	
lab*tch	0.625	0.25	0.419	
lab*nch	0.25	0.25	0.419	
relative Natural Colour (NC)				
lab*trj	0.606	-0.238	0.072	
lab*tce	0.625	0.25	0.453	
lab*nce	0.25	0.25	0.818	

relative Inform. Technology (IT)				
olvi3*	0.25	0.75	0.25	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	0.5	1.0	0.5	0.0
cmyn4*	0.5	0.0	0.5	0.25
standard and adapted CIELAB				
LAB*LAB	53.81	-31.6	19.43	</

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

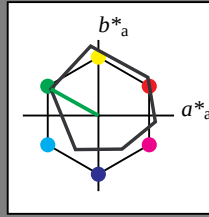
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.96	-0.61	3.44	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.96	-0.61	3.44	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	8.83	
LAB*LABa	37.36	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.75	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(0.0)
cmyn4*	0.5	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	73.15	-11.96	20.73	
LAB*LABa	73.15	-31.4	17.48	
LAB*TCRa	75.0	0.59	150.91	
relative CIELAB lab*				
lab*lab	0.856	-0.217	0.121	
lab*tch	0.875	0.25	0.419	
lab*nch	0.0	0.5	0.419	
relative Natural Colour (NC)				
lab*trj	0.856	-0.238	0.072	
lab*tce	0.875	0.25	0.453	
lab*nce	0.0	0.25	0.818	

relative Inform. Technology (IT)				
olvi3*	0.25	0.75	0.5	(1.0)
cmyn3*	0.75	0.25	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(0.0)
cmyn4*	0.5	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	53.81	-31.6	19.43	
LAB*LABa	53.81	-31.41	17.48	
LAB*TCRa	50.0	35.95	150.91	
relative CIELAB lab*				
lab*lab	0.462	-0.436	0.243	
lab*tch	0.462	0.25	0.419	
lab*nch	0.0	0.5	0.419	
relative Natural Colour (NC)				
lab*trj	0.462	-0.478	0.144	
lab*tce	0.462	0.25	0.453	
lab*nce	0.0	0.25	0.818	

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.5	1.0	0.5	(0.0)
cmyn4*	0.5	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	34.46	-31.22	18.12	
LAB*LABa	34.46	-31.4	17.48	
LAB*TCRa	25.01	35.95	150.91	
relative CIELAB lab*				
lab*lab	0.213	-0.436	0.243	
lab*tch	0.213	0.25	0.419	
lab*nch	0.0	0.5	0.419	
relative Natural Colour (NC)				
lab*trj	0.213	-0.478	0.144	
lab*tce	0.213	0.25	0.453	
lab*nce	0.0	0.25	0.818	

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.75	1.0	(0.0)
olvi4*	0.5	1.0	0.5	(0.0)
cmyn4*	0.5	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	26.24	-15.35	8.82	
LAB*LABa	26.24	-15.69	8.74	
LAB*TCRa	12.5	17.97	150.91	
relative CIELAB lab*				
lab*lab	0.106	-0.217	0.121	
lab*tch	0.106	0.125	0.419	
lab*nch	0.75	0.25	0.419	
relative Natural Colour (NC)				
lab*trj	0.106	-0.238	0.072	
lab*tce	0.106	0.125	0.453	
lab*nce	0.75	0.25	0.818	

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

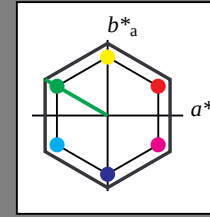
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.02	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	
LAB*TCRa	75.0	0.02	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*Lab	47.72	0.0	0.0	
LAB*TCRo	50.0	0.02	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

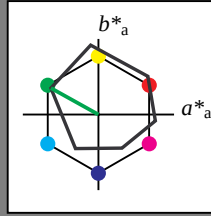
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	-36.475	4.75	
LAB*LAB	95.41	0.0	0.0	
LAB*TCu	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.98	-0.61	3.44	
LAB*LAB	76.06	0.0	0.0	
LAB*TCu	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*LAB	56.71	0.0	0.0	
LAB*TCu	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	8.83	
LAB*LAB	37.36	0.0	0.0	
LAB*TCu	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.75	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LAB	18.02	0.0	0.0	
LAB*TCu	0.01	0.0	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LAB	18.02	0.0	0.0	
LAB*TCu	0.01	0.0	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LAB	18.02	0.0	0.0	
LAB*TCu	0.01	0.0	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LAB	18.02	0.0	0.0	
LAB*TCu	0.01	0.0	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LAB	18.02	0.0	0.0	
LAB*TCu	0.01	0.0	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LAB	18.02	0.0	0.0	
LAB*TCu	0.01	0.0	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LAB	18.02	0.0	0.0	
LAB*TCu	0.01	0.0	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LAB	18.02	0.0	0.0	
LAB*TCu	0.01	0.0	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LAB	18.02	0.0	0.0	
LAB*TCu	0.01	0.0	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LAB	18.02	0.0	0.0	
LAB*TCu	0.01	0.0	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.		

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

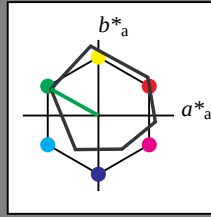
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	55.41	55.41	55.41
LAB*LABa	55.41	55.41	55.41
LAB*TCRa	99.99	0.01	-
relative CIELAB lab*			
lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0
relative Natural Colour (NC)			
lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.75	0.75	0.75	0.75
0.25	0.25	0.25	0.25
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*TCRa	75.0	0.01	-
relative CIELAB lab*			
lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0
relative Natural Colour (NC)			
lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.5	0.5	0.5	0.5
0.5	0.5	0.5	0.5
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCRa	50.0	0.01	-
relative CIELAB lab*			
lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0
relative Natural Colour (NC)			
lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.25	0.25	0.25	0.25
0.75	0.75	0.75	0.75
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	37.36	0.13	8.83
LAB*LABa	37.36	0.0	0.0
LAB*TCRa	25.0	0.01	-
relative CIELAB lab*			
lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0
relative Natural Colour (NC)			
lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*TCRa	0.01	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0
relative Natural Colour (NC)			
lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*TCRa	0.01	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0
relative Natural Colour (NC)			
lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.75	0.75	0.75	0.75
0.25	0.25	0.25	0.25
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	84.28	-16.47	12.74
LAB*LABa	84.28	-15.69	8.74
LAB*TCRa	87.5	17.97	150.91
relative CIELAB lab*			
lab*lab	0.856	-0.217	0.121
lab*tch	0.875	0.25	0.419
lab*nch	0.0	0.25	0.419
relative Natural Colour (NC)			
lab*trj	0.856	-0.238	0.072
lab*tce	0.25	0.25	0.453
lab*nce	0.0	0.25	0.818

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.5	0.5	0.5	0.5
0.5	0.5	0.5	0.5
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	64.93	-15.7	8.74
LAB*LABa	64.93	0.0	0.0
LAB*TCRa	50.0	35.95	150.91
relative CIELAB lab*			
lab*lab	0.606	-0.217	0.122
lab*tch	0.625	0.25	0.419
lab*nch	0.25	0.25	0.419
relative Natural Colour (NC)			
lab*trj	0.606	-0.238	0.072
lab*tce	0.625	0.25	0.453
lab*nce	0.25	0.25	0.818

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.25	0.25	0.25	0.25
0.75	0.75	0.75	0.75
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	45.58	-15.73	10.13
LAB*LABa	45.58	-15.7	8.74
LAB*TCRa	37.5	17.98	150.91
relative CIELAB lab*			
lab*lab	0.356	-0.217	0.122
lab*tch	0.375	0.25	0.419
lab*nch	0.25	0.25	0.419
relative Natural Colour (NC)			
lab*trj	0.356	-0.238	0.072
lab*tce	0.375	0.25	0.453
lab*nce	0.25	0.25	0.818

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	26.24	-15.35	8.82
LAB*LABa	26.24	-15.69	8.74
LAB*TCRa	12.5	17.97	150.91
relative CIELAB lab*			
lab*lab	0.106	-0.217	0.121
lab*tch	0.125	0.25	0.419
lab*nch	0.75	0.25	0.419
relative Natural Colour (NC)			
lab*trj	0.106	-0.238	0.072
lab*tce	0.125	0.25	0.453
lab*nce	0.75	0.25	0.818

0,25
ales for constant CIE

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

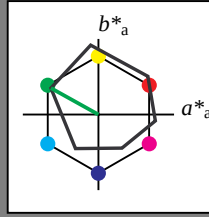
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	0.75	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	-36.47	4.75	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	76.98	-0.61	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	8.83	
LAB*LABa	37.36	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.75	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	0.75	1.0	0.75	1.0
cmyn4*	0.25	0.0	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	84.28	-16.47	12.74	
LAB*LABa	84.28	-15.69	8.74	
LAB*TCRa	87.5	17.97	150.91	
relative CIELAB lab*				
lab*lab	0.856	-0.217	0.121	
lab*tch	0.875	0.25	0.419	
lab*nch	0.0	0.25	0.419	
relative Natural Colour (NC)				
lab*trj	0.856	-0.238	0.072	
lab*tce	0.875	0.25	0.453	
lab*nce	0.0	0.25	0.818	

relative Inform. Technology (IT)				
olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	0.75	1.0	0.75	1.0
cmyn4*	0.25	0.0	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	64.93	-16.11	11.44	
LAB*LABa	64.93	-15.7	8.74	
LAB*TCRa	62.5	17.98	150.91	
relative CIELAB lab*				
lab*lab	0.606	-0.217	0.122	
lab*tch	0.625	0.25	0.419	
lab*nch	0.25	0.25	0.419	
relative Natural Colour (NC)				
lab*trj	0.606	-0.238	0.072	
lab*tce	0.625	0.25	0.453	
lab*nce	0.25	0.25	0.818	

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.5	0.75	(0.0)
olvi4*	0.75	1.0	0.75	1.0
cmyn4*	0.25	0.0	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	45.58	-15.73	10.13	
LAB*LABa	45.58	-15.7	8.74	
LAB*TCRa	37.5	17.98	150.91	
relative CIELAB lab*				
lab*lab	0.356	-0.217	0.122	
lab*tch	0.375	0.25	0.419	
lab*nch	0.5	0.25	0.419	
relative Natural Colour (NC)				
lab*trj	0.356	-0.238	0.072	
lab*tce	0.375	0.25	0.453	
lab*nce	0.5	0.25	0.818	

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.75	1.0	0.0
olvi4*	0.75	1.0	0.75	1.0
cmyn4*	0.25	0.0	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	26.24	-15.35	8.82	
LAB*LABa	26.24	-15.69	8.74	
LAB*TCRa	12.5	17.97	150.91	
relative CIELAB lab*				
lab*lab	0.106	-0.217	0.121	
lab*tch	0.125	0.25	0.419	
lab*nch	0.75	0.25	0.419	
relative Natural Colour (NC)				
lab*trj	0.106	-0.238	0.072	
lab*tce	0.125	0.25	0.453	
lab*nce	0.75	0.25	0.818	

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	73.15	-31.4	17.48	
LAB*LABa	73.15	-31.4	17.48	
LAB*TCRa	75.0	35.95	150.91	
relative CIELAB lab*				
lab*lab	0.712	-0.436	0.243	
lab*tch	0.75	0.5	0.419	
lab*nch	0.0	0.5	0.419	
relative Natural Colour (NC)				
lab*trj	0.712	-0.478	0.144	
lab*tce	0.75	0.5	0.453	
lab*nce	0.0	0.5	0.818	

relative Inform. Technology (IT)				
olvi3*	0.25	1.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	0.25	1.0	0.25	1.0
cmyn4*	0.5	0.0	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	53.81	-31.6	19.43	
LAB*LABa	53.81	-31.41	17.48	
LAB*TCRa	50.0	35.95	150.91	
relative CIELAB lab*				
lab*lab	0.462	-0.436	0.243	
lab*tch	0.5	0.5	0.419	
lab*nch	0.0	0.5	0.419	
relative Natural Colour (NC)				
lab*trj	0.462	-0.478	0.144	
lab*tce	0.5	0.5	0.453	
lab*nce	0.0	0.5	0.818	

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	0.0
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	34.46	-31.22	18.12	
LAB*LABa	34.46	-31.4	17.48	
LAB*TCRa	25.01	35.95	150.91	
relative CIELAB lab*				
lab*lab	0.213	-0.436	0.243	
lab*tch	0.25	0.5	0.419	
lab*nch	0.5	0.5	0.419	
relative Natural Colour (NC)				
lab*trj	0.213	-0.478	0.144	
lab*tce	0.25	0.5	0.453	
lab*nce	0.5	0.5	0.818	

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.75	1.0	0.0
olvi4*	0.25	1.0	0.25	1.0
cmyn4*	0.75	0.0	0.75	0.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0.75

relative Inform. Tech				
olvi3*	0.0	1.0		
cmyn3*	1.0	0.0		
olvi4*	0.0	1.0		
cmyn4*	1.0	0.0		
standard and adapted				
LAB*LAB	50.9	-		
LAB*LABa	50.9	-		

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

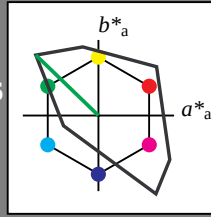
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.75	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.25

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.75	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.25

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.5

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.75

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	1.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	1.0	0.5	0.0
cmyn4*	0.5	0.5	0.5	0.0

standard and adapted CIELAB

LAB*LAB	89.51	-41.36	39.94
LAB*LABa	89.51	-41.36	39.94
LAB*LABb	75.0	57.51	136.01

relative CIELAB lab*

lab*lab	0.969	-0.179	0.174
lab*tch	0.875	0.25	0.378
lab*nch	0.0	0.5	0.378

relative Natural Colour (NC)

lab*trj	0.969	-0.207	0.139
lab*tce	0.875	0.25	0.406
lab*nce	0.0	0.25	0.628

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	0.5	1.0	0.5	0.75
cmyn4*	0.5	0.25	0.5	0.25

standard and adapted CIELAB

LAB*LAB	68.61	-20.68	19.98
LAB*LABa	68.61	-20.68	19.98
LAB*LABb	62.5	57.52	136.01

relative CIELAB lab*

lab*lab	0.719	-0.179	0.174
lab*tch	0.625	0.25	0.378
lab*nch	0.0	0.25	0.378

relative Natural Colour (NC)

lab*trj	0.719	-0.207	0.139
lab*tce	0.625	0.25	0.406
lab*nce	0.25	0.25	0.628

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.5	0.25	(0.0)
olvi4*	0.75	1.0	0.75	0.5
cmyn4*	0.25	0.5	0.25	0.5

standard and adapted CIELAB

LAB*LAB	44.76	-20.68	19.98
LAB*LABa	44.76	-20.68	19.98
LAB*LABb	37.5	57.52	136.01

relative CIELAB lab*

lab*lab	0.469	-0.179	0.174
lab*tch	0.375	0.25	0.378
lab*nch	0.0	0.25	0.378

relative Natural Colour (NC)

lab*trj	0.469	-0.207	0.139
lab*tce	0.375	0.25	0.406
lab*nce	0.5	0.25	0.628

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	1.0	0.5	1.0	0.5
cmyn4*	0.5	0.0	0.5	0.5

standard and adapted CIELAB

LAB*LAB	41.82	-41.36	39.94
LAB*LABa	41.82	-41.36	39.94
LAB*LABb	25.01	57.51	136.01

relative CIELAB lab*

lab*lab	0.438	-0.359	0.347
lab*tch	0.25	0.5	0.378
lab*nch	0.0	0.5	0.378

relative Natural Colour (NC)

lab*trj	0.438	-0.415	0.278
lab*tce	0.25	0.5	0.406
lab*nce	0.5	0.5	0.628

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.25	1.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	0.25	1.0	0.25	1.0
cmyn4*	0.75	0.0	0.75	0.0

standard and adapted CIELAB

LAB*LAB	86.57	-62.05	59.92
LAB*LABa	86.57	-62.05	59.92
LAB*LABb	62.5	86.27	136.01

relative CIELAB lab*

lab*lab	0.907	-0.538	0.521
lab*tch	0.625	0.75	0.378
lab*nch	0.0	0.75	0.378

relative Natural Colour (NC)

lab*trj	0.907	-0.62	0.417
lab*tce	0.625	0.75	0.406
lab*nce	0.0	0.75	0.628

relative Inform. Technology (IT)

olvi3*	0.0	1.0	0.0	(1.0)
cmyn3*	1.0	0.0	1.0	(0.0)
olvi4*	0.0	1.0	0.0	1.0
cmyn4*	1.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	63.62	-82.73	79.88
LAB*LABa	63.62	-82.73	79.88
LAB*LABb	50.0	115.01	136.01

relative CIELAB lab*

lab*lab	0.876	-0.718	0.694
lab*tch	0.5	1.0	0.378
lab*nch	0.0	1.0	0.378

relative Natural Colour (NC)

lab*trj	0.876	-0.83	0.555
lab*tce	0.5	1.0	0.406
lab*nce	0.0	1.0	0.628

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	1.0	0.5	0.5
cmyn4*	0.5	0.5	0.5	0.5

standard and adapted CIELAB

LAB*LAB	65.67	-41.37	39.95
LAB*LABa	65.67	-41.37	39.95
LAB*LABb	50.0	57.52	136.01

relative CIELAB lab*

lab*lab	0.688	-0.359	0.347
lab*tch	0.5	0.5	0.378
lab*nch	0.0	0.5	0.378

relative Natural Colour (NC)

lab*trj	0.688	-0.415	0.278
lab*tce	0.5	0.5	0.406
lab*nce	0.25	0.5	0.628

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	1.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,25$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

chromaticness c^*

0,75

$n^* = 0,00$

0,25

blackness n^*

1,00

$n^* = 1,0$

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

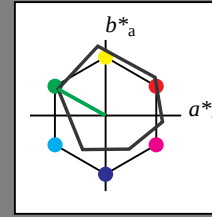
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	-0.98	4.75
LAB*LABa	95.41	-0.98	4.75
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.75	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	-0.61	3.44
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.25

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*LAB	56.71	0.24	2.14	
LAB*TCh	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*ch	0.5	0.0	-	
lab*nc	0.5	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.5	0.0	0.0	
lab*tc	0.5	0.0	-	
lab*nce	0.5	0.0	-	

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

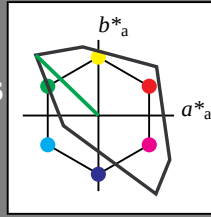
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(0.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	89.51	-41.36	39.94
LAB*LABa	89.51	-41.36	39.94
LAB*LABb	75.0	57.51	136.01

relative CIELAB lab*

lab*lab	0.969	-0.179	0.174
lab*tch	0.875	0.25	0.378
lab*nch	0.0	0.25	0.378

relative Natural Colour (NC)

lab*trj	0.969	-0.207	0.139
lab*tce	0.875	0.25	0.406
lab*nce	0.0	0.25	0.628

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(0.0)
cmyn4*	0.5	0.25	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	65.67	-41.37	39.95
LAB*LABa	65.67	-41.37	39.95
LAB*LABb	50.0	57.52	136.01

relative CIELAB lab*

lab*lab	0.719	-0.179	0.174
lab*tch	0.625	0.25	0.378
lab*nch	0.0	0.25	0.378

relative Natural Colour (NC)

lab*trj	0.719	-0.207	0.139
lab*tce	0.625	0.25	0.406
lab*nce	0.25	0.25	0.628

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.25	0.5	(0.0)
olvi4*	0.25	1.0	0.25	(0.0)
cmyn4*	0.25	0.5	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	-41.37	39.95
LAB*LABa	47.72	-41.37	39.95
LAB*LABb	50.0	57.52	136.01

relative CIELAB lab*

lab*lab	0.688	-0.359	0.347
lab*tch	0.575	0.25	0.378
lab*nch	0.0	0.25	0.378

relative Natural Colour (NC)

lab*trj	0.688	-0.415	0.278
lab*tce	0.575	0.25	0.406
lab*nce	0.25	0.25	0.628

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.0	1.0	0.5	(0.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	41.82	-41.36	39.94
LAB*LABa	41.82	-41.36	39.94
LAB*LABb	25.01	57.51	136.01

relative CIELAB lab*

lab*lab	0.438	-0.359	0.347
lab*tch	0.25	0.5	0.378
lab*nch	0.0	0.5	0.378

relative Natural Colour (NC)

lab*trj	0.438	-0.415	0.278
lab*tce	0.25	0.5	0.406
lab*nce	0.5	0.5	0.628

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

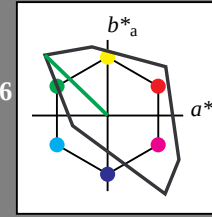
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(0.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	89.51	-41.36	39.94
LAB*LABa	89.51	-41.36	39.94
LAB*LABb	75.0	57.51	136.01

relative CIELAB lab*

lab*lab	0.938	-0.359	0.347
lab*tch	0.75	0.25	0.378
lab*nch	0.0	0.25	0.378

relative Natural Colour (NC)

lab*trj	0.938	-0.415	0.278
lab*tce	0.75	0.25	0.406
lab*nce	0.0	0.25	0.628

relative Inform. Technology (IT)				
olvi3*	0.25	0.75	0.25	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	0.5	1.0	0.5	0.75
cmyn4*	0.5	0.0	0.5	0.25
standard and adapted CIELAB				
LAB*Lab	65.67	-41.37	39.95	
LAB*Lab	65.67	-41.37	39.95	
LAB*H*U	30.25	54.52	136.01	
relative CIELAB Lab				
lab*lab	0.688	-0.359	0.347	
lab*ch	0.5	0.5	0.378	
lab*nc	0.25	0.5	0.378	
relative Natural Colour (NC)				
lab*lrj	0.688	-0.415	0.278	
lab*lc	0.5	0.5	0.406	
lab*nc	0.25	0.5	0.406	

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

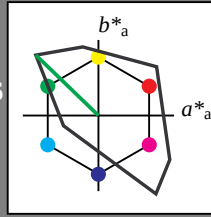
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	89.5	-41.36	39.94
LAB*LABa	89.51	-41.36	39.94
LAB*TCRa	75.0	57.51	136.01

relative CIELAB lab*

lab*lab	0.969	-0.179	0.174
lab*tch	0.875	0.25	0.378
lab*nch	0.0	0.25	0.378

relative Natural Colour (NC)

lab*trj	0.969	-0.207	0.139
lab*tce	0.875	0.25	0.406
lab*nce	0.0	0.25	0.628

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.25	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	68.61	-20.68	19.98
LAB*LABa	68.61	-20.68	19.98
LAB*TCRa	62.5	61.2	157.94

relative CIELAB lab*

lab*lab	0.719	-0.207	0.139
lab*tch	0.625	0.25	0.378
lab*nch	0.0	0.25	0.378

relative Natural Colour (NC)

lab*trj	0.719	-0.207	0.139
lab*tce	0.625	0.25	0.406
lab*nce	0.25	0.25	0.628

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.25	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.25	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	65.67	-41.37	39.95
LAB*LABa	65.67	-41.37	39.95
LAB*TCRa	50.0	57.52	136.01

relative CIELAB lab*

lab*lab	0.688	-0.359	0.347
lab*tch	0.575	0.25	0.378
lab*nch	0.0	0.25	0.378

relative Natural Colour (NC)

lab*trj	0.688	-0.415	0.278
lab*tce	0.575	0.25	0.406
lab*nce	0.25	0.25	0.628

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	41.82	-41.36	39.94
LAB*LABa	41.82	-41.36	39.94
LAB*TCRa	25.01	57.51	136.01

relative CIELAB lab*

lab*lab	0.438	-0.359	0.347
lab*tch	0.25	0.5	0.378
lab*nch	0.0	0.5	0.378

relative Natural Colour (NC)

lab*trj	0.438	-0.415	0.278
lab*tce	0.25	0.5	0.406
lab*nce	0.5	0.5	0.628

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 158/360 = 0.439$

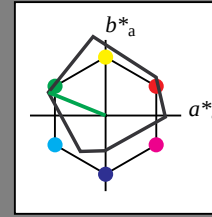
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	-0.11	2.58
LAB*LABa	96.31	-0.11	2.58
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	-0.44	2.45
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	0.76	2.32
LAB*LABa	56.44	0.76	2.32
LAB*TCRa	50.0	115.01	136.01

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.25	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	1.09	2.19
LAB*LABa	36.5	1.09	2.19
LAB*TCRa	25.0	115.01	136.01

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	-1.41	2.06
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	72.26	-30.31	17.76
LAB*LABa	72.26	-30.31	17.76
LAB*TCRa	75.0	61.8	157.94

relative CIELAB lab*

lab*lab	0.698	-0.462	0.188
lab*tch	0.75	0.25	0.439
lab*nch	0.0	0.25	0.439

relative Natural Colour (NC)

lab*trj	0.698	-0.494	0.111
lab*tce	0.75	0.25	0.476
lab*nce	0.0	0.25	0.908

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.25	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	52.32	-38.64	17.63
LAB*LABa	52.32	-38.64	17.63
LAB*TCRa	50.0	40.81	157.94

relative CIELAB lab*

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

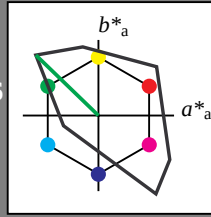
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)									
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi5*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi5*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	71.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	71.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-	-	-	-	-	-
lab*nch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi5*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	47.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	47.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi5*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	23.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	23.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi5*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	0.01	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)									
olvi3*	0.75	1.0	0.75	1.0	0.75	1.0	0.75	1.0	0.75
olvi4*	0.25	0.0	0.25	0.0	0.25	0.0	0.25	0.0	0.25
olvi5*	0.75	1.0	0.75	1.0	0.75	1.0	0.75	1.0	0.75
olvi6*	0.25	0.0	0.25	0.0	0.25	0.0	0.25	0.0	0.25
standard and adapted CIELAB									
LAB*LAB	92.46	-20.67	19.97	-20.67	19.97	-20.67	19.97	-20.67	19.97
LAB*LABa	92.46	-20.67	19.97	-20.67	19.97	-20.67	19.97	-20.67	19.97
LAB*LABb	87.5	-28.75	136.01	-28.75	136.01	-28.75	136.01	-28.75	136.01
relative CIELAB lab*									
lab*lab	0.969	-0.179	0.174	-0.179	0.174	-0.179	0.174	-0.179	0.174
lab*tch	0.875	0.25	0.378	0.25	0.378	0.25	0.378	0.25	0.378
lab*nch	0.0	0.25	0.378	0.25	0.378	0.25	0.378	0.25	0.378
relative Natural Colour (NC)									
lab*trj	0.969	-0.207	0.139	-0.207	0.139	-0.207	0.139	-0.207	0.139
lab*tce	0.875	0.25	0.406	0.25	0.406	0.25	0.406	0.25	0.406
lab*nce	0.0	0.25	0.628	0.25	0.628	0.25	0.628	0.25	0.628

relative Inform. Technology (IT)									
olvi3*	0.5	0.75	0.5	0.75	0.5	0.75	0.5	0.75	0.5
olvi4*	0.5	0.25	0.5	0.25	0.5	0.25	0.5	0.25	0.5
olvi5*	0.75	1.0	0.75	1.0	0.75	1.0	0.75	1.0	0.75
olvi6*	0.25	0.0	0.25	0.0	0.25	0.0	0.25	0.0	0.25
standard and adapted CIELAB									
LAB*LAB	68.61	-20.68	19.98	-20.68	19.98	-20.68	19.98	-20.68	19.98
LAB*LABa	68.61	-20.68	19.98	-20.68	19.98	-20.68	19.98	-20.68	19.98
LAB*LABb	62.5	-28.75	136.01	-28.75	136.01	-28.75	136.01	-28.75	136.01
relative CIELAB lab*									
lab*lab	0.719	-0.179	0.174	-0.179	0.174	-0.179	0.174	-0.179	0.174
lab*tch	0.625	0.25	0.378	0.25	0.378	0.25	0.378	0.25	0.378
lab*nch	0.25	0.25	0.378	0.25	0.378	0.25	0.378	0.25	0.378
relative Natural Colour (NC)									
lab*trj	0.719	-0.207	0.139	-0.207	0.139	-0.207	0.139	-0.207	0.139
lab*tce	0.625	0.25	0.406	0.25	0.406	0.25	0.406	0.25	0.406
lab*nce	0.25	0.25	0.628	0.25	0.628	0.25	0.628	0.25	0.628

relative CIELAB lab*				
lab*lab	0.719	-0.179	0.174	
lab*tch	0.625	0.25	0.378	
lab*mch	0.25	0.25	0.378	
relative Natural Colour (NC)				
lab*lrj	0.719	-0.207	0.139	
lab*tce	0.625	0.25	0.406	
lab*mce	0.25	0.25	0.628	
relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.25	(1.0)
cmy3n3*	0.75	0.5	0.75	(0.0)
olvi4*	0.75	1.0	0.75	0.5
cmy4n4*	0.25	0.0	0.25	0.5
standard and adapted CIELAB				
LAB*LAB	44.76	-20.68	19.98	

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

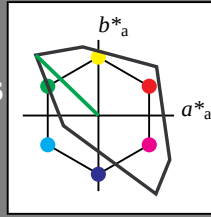
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	0.75	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	92.46	-20.67	19.97
LAB*LABa	92.46	-20.67	19.97
LAB*TCRa	87.5	28.75	136.01

relative CIELAB lab*

lab*lab	0.969	-0.179	0.174
lab*tch	0.875	0.25	0.378
lab*nch	0.0	0.25	0.378

relative Natural Colour (NC)

lab*trj	0.969	-0.207	0.139
lab*tce	0.875	0.25	0.406
lab*nce	0.0	0.25	0.628

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	68.61	-20.68	19.98
LAB*LABa	68.61	-20.68	19.98
LAB*TCRa	62.5	28.75	136.01

relative CIELAB lab*

lab*lab	0.719	-0.179	0.174
lab*tch	0.625	0.25	0.378
lab*nch	0.0	0.25	0.378

relative Natural Colour (NC)

lab*trj	0.719	-0.207	0.139
lab*tce	0.625	0.25	0.406
lab*nce	0.25	0.25	0.628

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.5	0.75	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	44.76	-20.68	19.98
LAB*LABa	44.76	-20.68	19.98
LAB*TCRa	37.5	28.75	136.01

relative CIELAB lab*

lab*lab	0.469	-0.179	0.174
lab*tch	0.375	0.25	0.378
lab*nch	0.0	0.25	0.378

relative Natural Colour (NC)

lab*trj	0.469	-0.207	0.139
lab*tce	0.375	0.25	0.406
lab*nce	0.5	0.25	0.628

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.75	1.0	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	20.92	-20.67	19.97
LAB*LABa	20.92	-20.67	19.97
LAB*TCRa	12.5	28.75	136.01

relative CIELAB lab*

lab*lab	0.219	-0.179	0.174
lab*tch	0.125	0.25	0.378
lab*nch	0.0	0.25	0.378

relative Natural Colour (NC)

lab*trj	0.219	-0.207	0.139
lab*tce	0.125	0.25	0.406
lab*nce	0.75	0.25	0.628

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	89.51	-41.36	39.94
LAB*LABa	89.51	-41.36	39.94
LAB*TCRa	75.0	57.51	136.01

relative CIELAB lab*

lab*lab	0.938	-0.359	0.347
lab*tch	0.75	0.5	0.378
lab*nch	0.0	0.5	0.378

relative Natural Colour (NC)

lab*trj	0.938	-0.415	0.278
lab*tce	0.75	0.5	0.406
lab*nce	0.0	0.5	0.628

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.25	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	65.67	-41.37	39.95
LAB*LABa	65.67	-41.37	39.95
LAB*TCRa	50.0	57.52	136.01

relative CIELAB lab*

lab*lab	0.688	-0.359	0.347
lab*tch	0.5	0.5	0.378
lab*nch	0.0	0.5	0.378

relative Natural Colour (NC)

lab*trj	0.688	-0.415	0.278
lab*tce	0.5	0.5	0.406
lab*nce	0.25	0.5	0.628

relative Inform. Technology (IT)

olvi3*	0.0	0.75	0.0	(1.0)
cmyn3*	1.0	0.25	1.0	(0.0)
olvi4*	0.25	1.0	0.25	(1.0)
cmyn4*	0.75	0.0	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	62.73	-62.05	59.92
LAB*LABa	62.73	-62.05	59.92
LAB*TCRa	37.51	86.27	136.01

relative CIELAB lab*

lab*lab	0.657	-0.538	0.521
lab*tch	0.375	0.75	0.378
lab*nch	0.0	0.75	0.378

relative Natural Colour (NC)

lab*trj	0.657	-0.624	0.417
lab*tce	0.375	0.75	0.406
lab*nce	0.25	0.75	0.628

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	41.82	-41.36	39.94
LAB*LABa	41.82	-41.36	39.94
LAB*TCRa	25.01	57.51	136.01

relative CIELAB lab*

lab*lab	0.438	-0.359	0.347
lab*tch	0.25	0.5	0.378
lab*nch	0.0	0.5	0.378

relative Natural Colour (NC)

lab*trj	0.438	-0.415	0.278
lab*tce	0.25	0.5	0.406
lab*nce	0.5	0.5	0.628

$n^* = 0,25$

relative Inform. Technology (IT)

olvi3*	0.25	1.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	0.25	1.0	0.25	(1.0)
cmyn4*	0.75	0.0	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	86.57	-62.05	59.92
LAB*LABa	86.57	-62.05	59.92
LAB*TCRa	62.5	86.27	136.01

relative CIELAB lab*

lab*lab	0.907	-0.538	0.521
lab*tch	0.625	0.75	0.378
lab*nch	0.0	0.75	0.378

relative Natural Colour (NC)

lab*trj	0.907	-0.624	0.417
lab*tce	0.625	0.75	0.406
lab*nce	0.0	0.75	0.628

relative Inform. Technology (IT)

olvi3*	0.0	1.0	0.0	(1.0)
cmyn3*	1.0	0.0	1.0	(0.0)
olvi4*	0.0	1.0	0.0	(1.0)
cmyn4*	1.0	0.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	63.62	-82.73	79.88
LAB*LABa	63.62	-82.73	79.88
LAB*TCRa	50.0	115.01	136.01

relative CIELAB lab*

lab*lab	0.876	-0.718	0.694
lab*tch	0.5	1.0	0.378
lab*nch	0.0	1.0	0.378

relative Natural Colour (NC)

lab*trj	0.876	-0.83	0.555
lab*tce	0.5	1.0	0.406
lab*nce	0.0	1.0	0.628

relative Inform. Technology (IT)

olvi3*	0.0	0.75	0.0	(1.0)
cmyn3*	1.0	0.25	1.0	(0.0)
olvi4*	0.0	1.0	0.0	(1.0)
cmyn4*	1.0	0.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.73	-62.05	59.92
LAB*LABa	62.73	-62.05	59.92
LAB*TCRa	37.51	86.27	136.01

relative CIELAB lab*

lab*lab	0.657	-0.538	0.521
lab*tch	0.375	0.75	0.378
lab*nch	0.0	0.75	0.378

relative Natural Colour (NC)

lab*trj	0.657	-0.624	0.417
lab*tce	0.375	0.75	0.406
lab*nce	0.25	0.75	0.628

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.0	1.0	0.0	(1.0)
cmyn4*	1.0	0.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	41.82	-41.36	39.94
LAB*LABa	41.82	-41.36	39.94
LAB*TCRa	25.01	57.51	136.01

relative CIELAB lab*

lab*lab	0.438	-0.359	0.347
lab*tch	0.25	0.5	0.378
lab*nch	0.0	0.5	0.378

relative Natural Colour (NC)

lab*trj	0.438	-0.415	0.278
lab*tce	0.25	0.5	0.406
lab*nce	0.5	0.5	0.628

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

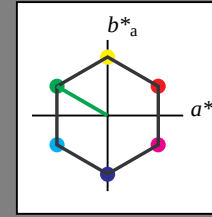
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

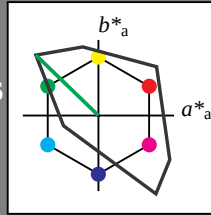
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)									
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	71.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	71.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	47.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	47.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	23.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	23.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)									
olvi3*	0.75	1.0	0.75	1.0	0.75	1.0	0.75	1.0	0.75
cmyn3*	0.25	0.0	0.25	0.0	0.25	0.0	0.25	0.0	0.25
olvi4*	0.75	1.0	0.75	1.0	0.75	1.0	0.75	1.0	0.75
cmyn4*	0.25	0.0	0.25	0.0	0.25	0.0	0.25	0.0	0.25
standard and adapted CIELAB									
LAB*LAB	92.46	-20.67	19.97	-20.67	19.97	-20.67	19.97	-20.67	19.97
LAB*LABa	92.46	-20.67	19.97	-20.67	19.97	-20.67	19.97	-20.67	19.97
LAB*TCRa	87.5	-28.75	136.01	-28.75	136.01	-28.75	136.01	-28.75	136.01
relative CIELAB lab*									
lab*lab	0.969	-0.179	0.174	-0.179	0.174	-0.179	0.174	-0.179	0.174
lab*tch	0.875	0.25	0.378	0.25	0.378	0.25	0.378	0.25	0.378
lab*nch	0.0	0.25	0.378	0.25	0.378	0.25	0.378	0.25	0.378
relative Natural Colour (NC)									
lab*trj	0.969	-0.207	0.139	-0.207	0.139	-0.207	0.139	-0.207	0.139
lab*tce	0.875	0.25	0.406	0.25	0.406	0.25	0.406	0.25	0.406
lab*nce	0.0	0.25	0.628	0.25	0.628	0.25	0.628	0.25	0.628

relative Inform. Technology (IT)									
olvi3*	0.5	0.75	0.5	0.75	0.5	0.75	0.5	0.75	0.5
cmyn3*	0.5	0.25	0.5	0.25	0.5	0.25	0.5	0.25	0.5
olvi4*	0.75	1.0	0.75	1.0	0.75	1.0	0.75	1.0	0.75
cmyn4*	0.25	0.0	0.25	0.0	0.25	0.0	0.25	0.0	0.25
standard and adapted CIELAB									
LAB*LAB	68.61	-20.68	19.98	-20.68	19.98	-20.68	19.98	-20.68	19.98
LAB*LABa	68.61	-20.68	19.98	-20.68	19.98	-20.68	19.98	-20.68	19.98
LAB*TCRa	62.5	-28.75	136.01	-28.75	136.01	-28.75	136.01	-28.75	136.01
relative CIELAB lab*									
lab*lab	0.719	-0.179	0.174	-0.179	0.174	-0.179	0.174	-0.179	0.174
lab*tch	0.625	0.25	0.378	0.25	0.378	0.25	0.378	0.25	0.378
lab*nch	0.0	0.25	0.378	0.25	0.378	0.25	0.378	0.25	0.378
relative Natural Colour (NC)									
lab*trj	0.719	-0.207	0.139	-0.207	0.139	-0.207	0.139	-0.207	0.139
lab*tce	0.625	0.25	0.406	0.25	0.406	0.25	0.406	0.25	0.406
lab*nce	0.25	0.25	0.628	0.25	0.628	0.25	0.628	0.25	0.628

relative CIELAB lab*			
lab*lab	0.719	-0.179	0.174
lab*ch	0.625	0.25	0.378
lab*nch	0.25	0.25	0.378
relative Natural Colour (NC)			
lab*lrj	0.719	-0.207	0.139
lab*ice	0.625	0.25	0.406
lab*nce	0.25	0.25	0.626
relative Inform. Technology (IT)			
olvi3*	0.25	0.5	0.25 (1.0)
cmyn3*	0.75	0.5	0.75 (0.0)
olvi4*	0.75	1.0	0.5
cmyn4*	0.25	0.0	0.25 0.5
standard and adapted CIELAB			
LAB*LAB	44.76	-20.68	19.98
LAB*LABa	44.76	-20.68	19.98

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

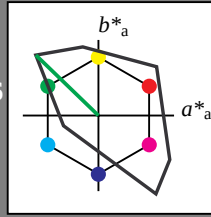
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)									
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-	-	-	-	-	-
lab*nce	0.0	0.0	-	-	-	-	-	-	-

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	71.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	71.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-	-	-	-	-	-
lab*nce	0.25	0.0	-	-	-	-	-	-	-

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	47.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	47.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-	-	-	-	-	-
lab*nce	0.5	0.0	-	-	-	-	-	-	-

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	23.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	23.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-	-	-	-	-	-
lab*nce	0.25	0.0	-	-	-	-	-	-	-

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-	-	-	-	-	-
lab*nce	0.0	0.0	-	-	-	-	-	-	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)									
olvi3*	0.5	1.0	0.5	1.0	0.5	1.0	0.5	1.0	0.5
cmyn3*	0.5	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.5
olvi4*	0.5	1.0	0.5	1.0	0.5	1.0	0.5	1.0	0.5
cmyn4*	0.5	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.5
standard and adapted CIELAB									
LAB*LAB	89.69	-41.36	39.94	89.69	-41.36	39.94	89.69	-41.36	39.94
LAB*LABa	89.69	-41.36	39.94	89.69	-41.36	39.94	89.69	-41.36	39.94
LAB*TCRa	75.0	57.51	136.01	75.0	57.51	136.01	75.0	57.51	136.01
relative CIELAB lab*									
lab*lab	0.969	-0.179	0.174	0.969	-0.179	0.174	0.969	-0.179	0.174
lab*tch	0.875	0.25	0.378	0.875	0.25	0.378	0.875	0.25	0.378
lab*nch	0.0	0.25	0.378	0.0	0.25	0.378	0.0	0.25	0.378
relative Natural Colour (NC)									
lab*trj	0.969	-0.207	0.139	0.969	-0.207	0.139	0.969	-0.207	0.139
lab*tce	0.875	0.25	0.406	0.875	0.25	0.406	0.875	0.25	0.406
lab*nce	0.0	0.25	0.628	0.0	0.25	0.628	0.0	0.25	0.628

relative Inform. Technology (IT)				
olvi3*	0.25	0.75	0.25	1.0
cmyn3*	0.75	0.25	0.75	0.0
olvi4*	0.5	1.0	0.5	0.75
cmyn4*	0.5	0.0	0.5	0.25
standard and adapted CIELAB				
LAB*LAB	65.67	-41.37	39.95	
LAB*LABa	65.67	-41.37	39.95	
LAB*TCa	50.0	57.52	136.01	
relative CIELAB lab*				
lab*lab	0.688	-0.359	0.347	
lab*tch	0.5	0.5	0.378	
lab*nch	0.25	0.5	0.378	
relative Natural Colour (NC)				
lab*trj	0.688	0.415	0.278	
lab*tce	0.5	0.5	0.406	
lab*nCe	0.25	0.5	0.628	

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

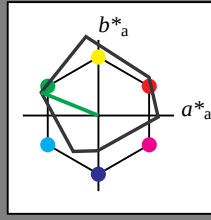
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.0

standard and adapted CIELAB

LAB*LAB	72.26	-0.61	3.44
LAB*LABa	72.26	-37.8	15.32
LAB*TCRa	75.0	40.8	157.94

relative CIELAB lab*

lab*lab	0.849	-0.231	0.094
lab*tch	0.875	0.25	0.439
lab*nch	0.0	0.25	0.439

relative Natural Colour (NC)

lab*trj	0.849	-0.246	0.037
lab*tce	0.875	0.25	0.476
lab*nce	0.0	0.25	0.908

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	0.75	1.0	0.75	1.0
cmyn4*	0.25	0.0	0.25	0.25

standard and adapted CIELAB

LAB*LAB	64.35	-19.54	10.05
LAB*LABa	64.35	-18.9	7.66
LAB*TCRa	62.5	20.39	157.94

relative CIELAB lab*

lab*lab	0.599	-0.231	0.094
lab*tch	0.625	0.25	0.439
lab*nch	0.25	0.25	0.439

relative Natural Colour (NC)

lab*trj	0.599	-0.246	0.037
lab*tce	0.625	0.25	0.476
lab*nce	0.25	0.25	0.908

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.25	0.5	(0.0)
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.25

standard and adapted CIELAB

LAB*LAB	52.32	-38.64	17.63
LAB*LABa	52.32	-37.81	15.33
LAB*TCRa	50.0	40.81	157.94

relative CIELAB lab*

lab*lab	0.448	-0.462	0.188
lab*tch	0.475	0.25	0.439
lab*nch	0.0	0.25	0.439

relative Natural Colour (NC)

lab*trj	0.448	-0.494	0.074
lab*tce	0.475	0.25	0.476
lab*nce	0.25	0.25	0.908

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.5

standard and adapted CIELAB

LAB*LAB	32.39	-38.96	17.5
LAB*LABa	32.39	-37.8	15.32
LAB*TCRa	25.01	40.8	157.94

relative CIELAB lab*

lab*lab	0.198	-0.462	0.188
lab*tch	0.25	0.5	0.439
lab*nch	0.0	0.5	0.439

relative Natural Colour (NC)

lab*trj	0.198	-0.493	0.074
lab*tce	0.25	0.5	0.476
lab*nce	0.5	0.5	0.908

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

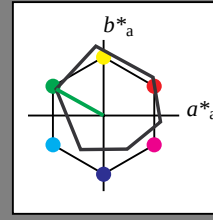
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.41	-0.88	4.75
LAB*LABa	96.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.71	-0.74	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCRa	50.0	81.6	157.94

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	37.36	-1.03	0.83
LAB*LABa	37.36	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	18.02	-0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.0

standard and adapted CIELAB

LAB*LAB	73.15	-31.96	20.73
LAB*LABa	73.15	-31.4	17.48
LAB*TCRa	75.0	35.95	150.91

relative CIELAB lab*

lab*lab	0.712	-0.436	0.243
lab*tch	0.75	0.25	0.419
lab*nch	0.0	0.25	0.419

relative Natural Colour (NC)

lab*trj	0.712	-0.478	0.144
lab*tce	0.75	0.25	0.453
lab*nce	0.0	0.25	0.918

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.25	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	0.5	1.0	0.5	0.75
cmyn4*	0.5	0.0	0.5	0.25

standard and adapted CIELAB

LAB*LAB	53.81	-31.16	19.43
LAB*LABa	53.81	-31.41	17.48
LAB*TCRa	50.0	35.95	150.91

relative CIELAB lab*

lab*lab	0.462	-0.436	0.243
lab*lab _a	0.462	-0.5	0.419
lab*lab _b	0.462	-0.5	0.419

relative Natural Colour (NC)

lab*lrj	0.462	-0.478	0.144
lab*tc _b	0.5	0.5	0.453
lab*nc _E	0.25	0.5	0.81g

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

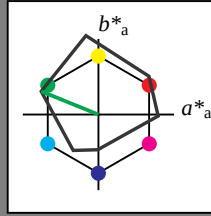
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	11.1	2.58
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.01	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	84.28	-19.21	10.17
LAB*LABa	84.28	-18.89	7.66
LAB*LABb	87.5	20.39	157.94

relative CIELAB lab*

lab*lab	0.849	-0.231	0.094
lab*tch	0.875	0.25	0.439
lab*nch	0.0	0.25	0.439

relative Natural Colour (NC)

lab*trj	0.849	-0.246	0.037
lab*tce	0.875	0.25	0.476
lab*nce	0.0	0.25	0.908

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	64.35	-19.54	10.05
LAB*LABa	64.35	-18.9	7.66
LAB*LABb	62.5	20.4	157.94

relative CIELAB lab*

lab*lab	0.599	-0.231	0.094
lab*tch	0.625	0.25	0.439
lab*nch	0.25	0.25	0.439

relative Natural Colour (NC)

lab*trj	0.599	-0.246	0.037
lab*tce	0.625	0.25	0.476
lab*nce	0.25	0.25	0.908

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.5	0.75	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	44.41	-19.87	9.92
LAB*LABa	44.41	-18.9	7.66
LAB*LABb	37.5	20.4	157.94

relative CIELAB lab*

lab*lab	0.349	-0.231	0.094
lab*tch	0.375	0.25	0.439
lab*nch	0.25	0.25	0.439

relative Natural Colour (NC)

lab*trj	0.349	-0.246	0.037
lab*tce	0.375	0.25	0.476
lab*nce	0.25	0.25	0.908

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.75	1.0	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	24.48	-20.18	9.78
LAB*LABa	24.48	-18.89	7.66
LAB*LABb	12.5	20.39	157.94

relative CIELAB lab*

lab*lab	0.099	-0.231	0.094
lab*tch	0.125	0.25	0.439
lab*nch	0.75	0.25	0.439

relative Natural Colour (NC)

lab*trj	0.099	-0.246	0.037
lab*tce	0.125	0.25	0.476
lab*nce	0.75	0.25	0.908

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	38.11	17.76	-
LAB*LABa	72.26	-37.8	15.32
LAB*LABb	75.0	40.8	157.94

relative CIELAB lab*

lab*lab	0.698	-0.462	0.188
lab*tch	0.75	0.5	0.439
lab*nch	0.0	0.5	0.439

relative Natural Colour (NC)

lab*trj	0.698	-0.453	0.074
lab*tce	0.75	0.5	0.476
lab*nce	0.0	0.5	0.908

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.25	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	52.32	-38.64	17.63
LAB*LABa	52.32	-37.81	15.33
LAB*LABb	50.0	40.81	157.94

relative CIELAB lab*

lab*lab	0.448	-0.462	0.188
lab*tch	0.5	0.5	0.439
lab*nch	0.0	0.5	0.439

relative Natural Colour (NC)

lab*trj	0.448	-0.454	0.074
lab*tce	0.5	0.5	0.476
lab*nce	0.0	0.5	0.908

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	32.39	-38.96	17.5
LAB*LABa	32.39	-37.8	15.32
LAB*LABb	25.01	40.8	157.94

relative CIELAB lab*

lab*lab	0.198	-0.462	0.188
lab*tch	0.25	0.5	0.439
lab*nch	0.0	0.5	0.439

relative Natural Colour (NC)

lab*trj	0.198	-0.453	0.074
lab*tce	0.25	0.5	0.476
lab*nce	0.0	0.5	0.908

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.75	1.0	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

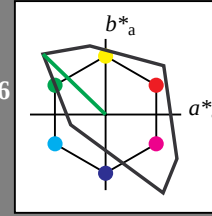
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.41	0.0	0.0
LAB*LABa	96.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*Lab	47.72	0.0	0.0	
LAB*TCh	50.00	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

Input: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 158/360 = 0.439$

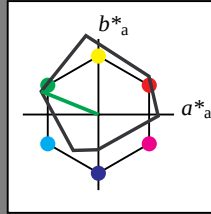
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.01	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	0.75	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.25	0.0	0.25	0.0

standard and adapted CIELAB

LAB*LAB	84.28	-19.21	10.17
LAB*LABa	84.28	-18.89	7.66
LAB*LABb	87.5	20.39	157.94

relative CIELAB lab*

lab*lab	0.849	-0.231	0.094
lab*tch	0.875	0.25	0.439
lab*nch	0.0	0.25	0.439

relative Natural Colour (NC)

lab*trj	0.849	-0.246	0.037
lab*tce	0.875	0.25	0.476
lab*nce	0.0	0.25	0.908

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	0.75	1.0	0.75	1.0
cmyn4*	0.25	0.0	0.25	0.25

standard and adapted CIELAB

LAB*LAB	64.35	-19.54	10.05
LAB*LABa	64.35	-18.9	7.66
LAB*LABb	62.5	20.4	157.94

relative CIELAB lab*

lab*lab	0.599	-0.231	0.094
lab*tch	0.625	0.25	0.439
lab*nch	0.25	0.25	0.439

relative Natural Colour (NC)

lab*trj	0.599	-0.246	0.037
lab*tce	0.625	0.25	0.476
lab*nce	0.25	0.25	0.908

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.0	0.5	0.0	0.5

standard and adapted CIELAB

LAB*LAB	52.32	-38.64	17.63
LAB*LABa	52.32	-37.81	15.33
LAB*LABb	50.0	40.81	157.94

relative CIELAB lab*

lab*lab	0.349	-0.231	0.094
lab*tch	0.375	0.25	0.439
lab*nch	0.25	0.25	0.439

relative Natural Colour (NC)

lab*trj	0.349	-0.246	0.037
lab*tce	0.375	0.25	0.476
lab*nce	0.25	0.25	0.908

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.75	1.0	0.0
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.5

standard and adapted CIELAB

LAB*LAB	32.39	-38.96	17.5
LAB*LABa	32.39	-37.8	15.32
LAB*LABb	25.01	40.8	157.94

relative CIELAB lab*

lab*lab	0.198	-0.462	0.188
lab*tch	0.25	0.5	0.439
lab*nch	0.5	0.5	0.439

relative Natural Colour (NC)

lab*trj	0.198	-0.483	0.074
lab*tce	0.25	0.5	0.476
lab*nce	0.5	0.5	0.908

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,25$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.0

standard and adapted CIELAB

LAB*LAB	38.31	17.76	15.32
LAB*LABa	38.31	17.76	15.32
LAB*LABb	40.8	157.94	-

relative CIELAB lab*

lab*lab	0.548	-0.462	0.188
lab*tch	0.575	0.5	0.439
lab*nch	0.0	0.5	0.439

relative Natural Colour (NC)

lab*trj	0.548	-0.483	0.074
lab*tce	0.575	0.5	0.476
lab*nce	0.0	0.5	0.908

relative Inform. Technology (IT)

olvi3*	0.25	1.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	0.25	1.0	0.25	1.0
cmyn4*	0.75	0.0	0.75	0.0

standard and adapted CIELAB

LAB*LAB	60.23	-57.42	25.34
LAB*LABa	60.23	-56.71	22.99
LAB*LABb	62.5	61.2	157.94

relative CIELAB lab*

lab*lab	0.548	-0.694	0.282
lab*tch	0.625	0.75	0.439
lab*nch	0.0	0.75	0.439

relative Natural Colour (NC)

lab*trj	0.548	-0.741	0.111
lab*tce	0.625	0.75	0.476
lab*nce	0.0	0.75	0.908

relative Inform. Technology (IT)

olvi3*	0.0	0.75	0.0	(1.0)
cmyn3*	1.0	0.25	1.0	0.0
olvi4*	0.25	1.0	0.25	1.0
cmyn4*	0.75	0.0	0.75	0.25

standard and adapted CIELAB

LAB*LAB	48.21	-76.51	32.92
LAB*LABa	48.21	-76.51	30.65
LAB*LABb	50.0	81.6	157.94

relative CIELAB lab*

lab*lab	0.397	-0.926	0.376
lab*tch	0.5	1.0	0.439
lab*nch	0.0	1.0	0.439

relative Natural Colour (NC)

lab*trj	0.397	-0.988	0.148
lab*tce	0.5	1.0	0.476
lab*nce	0.0	1.0	0.908

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	0.0
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.5

standard and adapted CIELAB

LAB*LAB	32.39	-38.96	17.5
LAB*LABa	32.39	-37.8	15.32
LAB*LABb	25.01	40.8	157.94

relative CIELAB lab*

lab*lab	0.298	-0.694	0.282
lab*tch	0.375	0.75	0.439
lab*nch	0.25	0.75	0.439

relative Natural Colour (NC)

lab*trj	0.298	-0.741	0.111
lab*tce	0.375	0.75	0.476
lab*nce	0.25	0.75	0.908

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.5

standard and adapted CIELAB

LAB*LAB	32.39	-38.96	17.5
LAB*LABa	32.39	-37.8	15.32
LAB*LABb	25.01	40.8	157.94

relative CIELAB lab*

lab*lab	0.198	-0.462	0.188
lab*tch	0.25	0.5	0.439
lab*nch	0.5	0.5	0.439

relative Natural Colour (NC)

lab*trj	0.198	-0.483	0.074
lab*tce	0.25	0.5	0.476
lab*nce	0.5	0.5	0.908

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative CIELAB lab*

ab*lab	0.298	-0.694	0.282
ab*tch	0.375	0.75	0.439
ab*nch	0.25	0.75	0.439

relative Natural Colour (NC)

ab*lrj	0.298	-0.741	0.111
ab*tce	0.375	0.75	0.476
ab*nce	0.25	0.75	190g

$n^* = 0,25$

bl

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

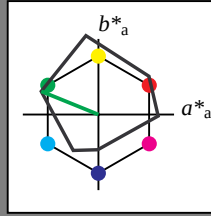
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.0 0.0
LAB*LABa 96.31 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 84.28 19.21 10.17
LAB*LABa 84.28 -18.89 7.66
LAB*TCRa 87.5 20.39 157.94

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 72.26 38.11 17.76
LAB*LABa 72.26 -37.8 15.32
LAB*TCRa 75.0 40.8 157.94

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.25 0.5 0.25 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 60.23 57.42 25.34
LAB*LABa 60.23 -56.71 22.99
LAB*TCRa 62.5 61.2 157.94

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1.00

0.75

$n^* = 0.00$

0.25

blackness n^*

$n^* = 0.25$

$n^* = 0.50$

0.25

0.50

0.75

1.00

chromaticness c^*

$n^* = 1.0$

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 137/360 = 0.38$

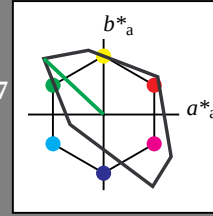
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 89.7 39.48 36.96
LAB*LABa 89.7 -39.48 36.96
LAB*TCRa 89.7 39.48 36.96

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 89.7 39.48 36.96
LAB*LABa 89.7 -39.48 36.96
LAB*TCRa 89.7 39.48 36.96

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.25 0.5 0.25 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 89.7 39.48 36.96
LAB*LABa 89.7 -39.48 36.96
LAB*TCRa 89.7 39.48 36.96

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1.00

0.75

$n^* = 0.00$

0.25

blackness n^*

$n^* = 0.25$

$n^* = 0.50$

0.25

0.50

0.75

1.00

chromaticness c^*

$n^* = 1.0$

OE500-7, 5 step scales for constant CIELAB hue 158/360 = 0.439 (left)

5 step scales for constant CIELAB hue 137/360 = 0.38 (right)

Input: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 158/360 = 0.439$

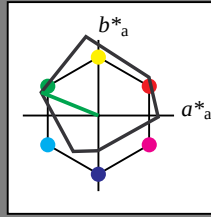
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	96.31	0.0	0.0	0.0
LAB*LABa	96.31	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	0.0
LAB*LABa	76.38	0.0	0.0	0.0
LAB*TCHa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	0.0
LAB*LABa	56.44	0.0	0.0	0.0
LAB*TCHa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	36.5	-1.09	2.19	0.0
LAB*LABa	36.5	0.0	0.0	0.0
LAB*TCHa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	0.0
LAB*LABa	16.57	0.0	0.0	0.0
LAB*TCHa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	0.75	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	0.75	1.0	0.75	1.0
cmyn4*	0.25	0.0	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	84.28	-19.21	10.17	0.0
LAB*LABa	84.28	-18.89	7.66	0.0
LAB*TCHa	87.5	20.39	157.94	0.0
relative CIELAB lab*				
lab*lab	0.849	-0.231	0.094	0.0
lab*tch	0.875	0.25	0.439	0.0
lab*nch	0.0	0.25	0.439	0.0
relative Natural Colour (NC)				
lab*trj	0.849	-0.246	0.037	0.0
lab*tce	0.875	0.25	0.476	0.0
lab*nce	0.0	0.25	0.908	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	0.75	1.0	0.75	1.0
cmyn4*	0.25	0.0	0.25	0.25
standard and adapted CIELAB				
LAB*LAB	64.35	-19.54	10.05	0.0
LAB*LABa	64.35	-18.9	7.66	0.0
LAB*TCHa	62.5	20.4	157.94	0.0
relative CIELAB lab*				
lab*lab	0.599	-0.231	0.094	0.0
lab*tch	0.625	0.25	0.439	0.0
lab*nch	0.25	0.25	0.439	0.0
relative Natural Colour (NC)				
lab*trj	0.599	-0.246	0.037	0.0
lab*tce	0.625	0.25	0.476	0.0
lab*nce	0.25	0.25	0.908	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	52.32	-38.64	17.63	0.0
LAB*LABa	52.32	-37.81	15.33	0.0
LAB*TCHa	50.0	40.81	157.94	0.0
relative CIELAB lab*				
lab*lab	0.448	-0.462	0.188	0.0
lab*tch	0.476	0.25	0.439	0.0
lab*nch	0.25	0.25	0.439	0.0
relative Natural Colour (NC)				
lab*trj	0.448	-0.494	0.074	0.0
lab*tce	0.476	0.25	0.476	0.0
lab*nce	0.25	0.25	0.908	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	32.39	-39.96	17.5	0.0
LAB*LABa	32.39	-37.8	15.32	0.0
LAB*TCHa	25.01	40.8	157.94	0.0
relative CIELAB lab*				
lab*lab	0.198	-0.462	0.188	0.0
lab*tch	0.25	0.5	0.439	0.0
lab*nch	0.5	0.5	0.439	0.0
relative Natural Colour (NC)				
lab*trj	0.198	-0.483	0.074	0.0
lab*tce	0.25	0.5	0.476	0.0
lab*nce	0.5	0.5	0.908	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.75	1.0	(0.0)
olvi4*	0.75	1.0	0.75	1.0
cmyn4*	0.25	0.0	0.25	0.75
standard and adapted CIELAB				
LAB*LAB	24.48	-20.18	9.78	0.0
LAB*LABa	24.48	-18.89	7.66	0.0
LAB*TCHa	12.5	20.39	157.94	0.0
relative CIELAB lab*				
lab*lab	0.099	-0.231	0.094	0.0
lab*tch	0.125	0.25	0.439	0.0
lab*nch	0.75	0.25	0.439	0.0
relative Natural Colour (NC)				
lab*trj	0.099	-0.246	0.037	0.0
lab*tce	0.125	0.25	0.476	0.0
lab*nce	0.75	0.25	0.908	0.0

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	38.11	17.76	0.0	0.0
LAB*LABa	38.11	17.76	0.0	0.0
LAB*TCHa	72.26	-37.8	15.32	0.0
relative CIELAB lab*				
lab*lab	0.548	-0.462	0.188	0.0
lab*tch	0.548	0.25	0.439	0.0
lab*nch	0.0	0.25	0.439	0.0
relative Natural Colour (NC)				
lab*trj	0.548	-0.471	0.111	0.0
lab*tce	0.548	0.25	0.476	0.0
lab*nce	0.0	0.25	0.908	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	1.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	0.25	1.0	0.25	1.0
cmyn4*	0.75	0.0	0.75	0.0
standard and adapted CIELAB				
LAB*LAB	60.23	-57.42	25.34	0.0
LAB*LABa	60.23	-56.71	22.99	0.0
LAB*TCHa	62.5	61.2	157.94	0.0
relative CIELAB lab*				
lab*lab	0.548	-0.694	0.282	0.0
lab*tch	0.625	0.25	0.439	0.0
lab*nch	0.0	0.25	0.439	0.0
relative Natural Colour (NC)				
lab*trj	0.548	-0.741	0.111	0.0
lab*tce	0.625	0.25	0.476	0.0
lab*nce	0.0	0.25	0.908	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.75	0.0	(1.0)
cmyn3*	1.0	0.25	1.0	(0.0)
olvi4*	0.25	1.0	0.25	1.0
cmyn4*	0.75	0.0	0.75	0.25
standard and adapted CIELAB				
LAB*LAB	48.21	-70.51	32.92	0.0
LAB*LABa	48.21	-75.61	30.65	0.0
LAB*TCHa	50.0	81.6	157.94	0.0
relative CIELAB lab*				
lab*lab	0.397	-0.926	0.376	0.0
lab*tch	0.5	1.0	0.439	0.0
lab*nch	0.0	1.0	0.439	0.0
relative Natural Colour (NC)				
lab*trj	0.397	-0.989	0.148	0.0
lab*tce	0.5	1.0	0.476	0.0
lab*nce	0.0	1.0	0.908	0.0

relative Inform. Technology (IT)				
olvi3*	0	0.5	0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi3	0.5	0.5	0.5	0.5
cmyn4*	0.5	0	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	32.39	-38.96	17.32	
LAB*LabA	32.39	-37.8	15.5	
LAB*TChe	25.01	40.8	157.94	
relative CIELAB lab*				
lab*lab	0.198	-0.462	0.188	
lab*tcch	0.25	0.5	0.439	
lab*nch	0.5	0.5	0.439	
relative Natural Color (NC)				
lab*lr	0.198	-0.493	0.074	
lab*tcrl	0.25	0.5	0.476	

Input: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 158/360 = 0.439$

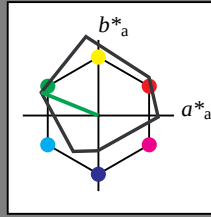
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.0 0.0
LAB*LABa 96.31 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 -0.44 2.45
LAB*LABa 76.38 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.849 -0.231 0.094
lab*tch 0.875 0.25 0.439
lab*nch 0.0 0.25 0.439
relative Natural Colour (NC)
lab*trj 0.849 -0.246 0.037
lab*tce 0.875 0.25 0.476
lab*nce 0.0 0.25 0.908

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 -0.76 2.32
LAB*LABa 56.44 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.599 -0.231 0.094
lab*tch 0.625 0.25 0.439
lab*nch 0.25 0.25 0.439
relative Natural Colour (NC)
lab*trj 0.599 -0.246 0.037
lab*tce 0.625 0.25 0.476
lab*nce 0.25 0.25 0.908

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 -1.09 2.19
LAB*LABa 36.5 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 72.22 -0.38 11.76
LAB*LABa 72.22 -37.8 15.32
LAB*TCRa 75.0 40.8 157.94

relative CIELAB lab*
lab*lab 0.698 -0.462 0.188
lab*tch 0.75 0.5 0.439
lab*nch 0.0 0.5 0.439
relative Natural Colour (NC)
lab*trj 0.698 -0.453 0.074
lab*tce 0.75 0.5 0.476
lab*nce 0.0 0.5 0.908

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 52.32 -38.64 17.63
LAB*LABa 52.32 -37.81 15.33
LAB*TCRa 50.0 40.8 157.94

relative CIELAB lab*
lab*lab 0.448 -0.462 0.188
lab*tch 0.5 0.5 0.439
lab*nch 0.0 0.5 0.439
relative Natural Colour (NC)
lab*trj 0.448 -0.454 0.074
lab*tce 0.5 0.5 0.476
lab*nce 0.0 0.5 0.908

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 32.39 -38.96 17.5
LAB*LABa 32.39 -37.8 15.32
LAB*TCRa 25.0 40.8 157.94

relative CIELAB lab*
lab*lab 0.198 -0.462 0.188
lab*tch 0.25 0.5 0.439
lab*nch 0.0 0.5 0.439
relative Natural Colour (NC)
lab*trj 0.198 -0.453 0.074
lab*tce 0.25 0.5 0.476
lab*nce 0.0 0.5 0.908

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

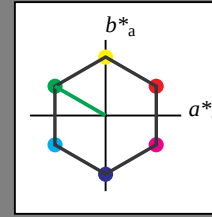
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 81.6 157.94

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 69.61 -33.5 19.35
LAB*LABa 69.61 -33.5 19.35
LAB*TCRa 75.0 38.69 150.0

relative CIELAB lab*
lab*lab 0.667 -0.432 0.25
lab*tch 0.75 0.5 0.417
lab*nch 0.0 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.667 -0.48 0.068
lab*tce 0.75 0.5 0.456
lab*nce 0.0 0.5 0.828

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 50.26 -33.5 19.35
LAB*LABa 50.26 -33.5 19.35
LAB*TCRa 50.0 38.7 150.0

relative CIELAB lab*
lab*lab 0.583 -0.216 0.125
lab*tch 0.625 0.25 0.417
lab*nch 0.25 0.25 0.417
relative Natural Colour (NC)
lab*trj 0.583 -0.24 0.068
lab*tce 0.625 0.25 0.456
lab*nce 0.25 0.25 0.828

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 30.92 -33.5 19.35
LAB*LABa 30.92 -33.5 19.35
LAB*TCRa 25.0 38.69 150.0

relative CIELAB lab*
lab*lab 0.417 -0.432 0.25
lab*tch 0.5 0.5 0.417
lab*nch 0.25 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.417 -0.48 0.068
lab*tce 0.5 0.5 0.456
lab*nce 0.25 0.5 0.828

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.5 0.0
lab*tch 0.0 0.5 0.0
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.5 0.0
lab*tce 0.0 0.5 0.0
lab*nce 0.5 0.0 -

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 158/360 = 0.439 (left)

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

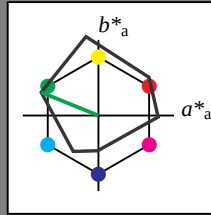
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)			
olvi3*	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*TCRa	99.99	0.01	-
relative CIELAB lab*			
lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-
relative Natural Colour (NC)			
lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)			
olvi3*	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.25
standard and adapted CIELAB			
LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*TCRa	75.0	0.01	-
relative CIELAB lab*			
lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-
relative Natural Colour (NC)			
lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)			
olvi3*	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.5
standard and adapted CIELAB			
LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*TCRa	50.0	0.01	-
relative CIELAB lab*			
lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-
relative Natural Colour (NC)			
lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)			
olvi3*	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.75
standard and adapted CIELAB			
LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*TCRa	25.0	0.01	-
relative CIELAB lab*			
lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-
relative Natural Colour (NC)			
lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)			
olvi3*	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	1.0
standard and adapted CIELAB			
LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*TCRa	0.0	0.0	-
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-
relative Natural Colour (NC)			
lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	42.21	66.82	50.6	83.82	37
YMa	90.32	-16.51	104.33	105.63	99
LMa	48.21	-75.63	30.65	81.61	158
CMa	53.44	-33.33	-47.49	58.03	235
VMa	34.16	-0.92	-46.56	46.58	269
MMa	42.71	79.0	-1.95	79.03	359
NMa	16.56	0.0	0.0	0.0	0
WMa	96.31	0.0	0.0	0.0	0
RCIE	39.92	59.78	25.77	65.1	23
JCIE	81.26	-2.51	69.07	69.11	92
GCIE	52.23	-41.57	11.3	43.09	165
BCIE	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)			
olvi3*	0.5	1.0	0.5
cmyn3*	0.5	0.5	0.0
olvi4*	0.5	1.0	0.5
cmyn4*	0.5	0.5	0.0
standard and adapted CIELAB			
LAB*LAB	72.26	-0.46	0.037
LAB*LABa	72.26	-0.46	0.037
LAB*TCRa	75.0	0.01	-
relative CIELAB lab*			
lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-
relative Natural Colour (NC)			
lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)			
olvi3*	0.25	0.75	0.25
cmyn3*	0.75	0.25	0.75
olvi4*	1.0	1.0	1.0
cmyn4*	0.5	0.5	0.25
standard and adapted CIELAB			
LAB*LAB	52.32	-0.64	0.074
LAB*LABa	52.32	-0.64	0.074
LAB*TCRa	50.0	0.01	-
relative CIELAB lab*			
lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-
relative Natural Colour (NC)			
lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)			
olvi3*	0.0	0.5	0.0
cmyn3*	1.0	0.5	0.0
olvi4*	1.0	0.5	0.0
cmyn4*	0.5	0.0	0.5
standard and adapted CIELAB			
LAB*LAB	32.39	-0.86	0.175
LAB*LABa	32.39	-0.86	0.175
LAB*TCRa	25.0	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.5	0.0
lab*tch	0.0	0.5	-
lab*nch	0.0	0.0	-
relative Natural Colour (NC)			
lab*trj	0.0	0.5	0.0
lab*tce	0.0	0.5	-
lab*nce	0.0	0.5	-

relative Inform. Technology (IT)			
olvi3*	0.0	0.25	0.0
cmyn3*	1.0	0.75	1.0
olvi4*	1.0	0.75	1.0
cmyn4*	0.25	0.0	0.75
standard and adapted CIELAB			
LAB*LAB	24.48	-1.08	0.274
LAB*LABa	24.48	-1.08	0.274
LAB*TCRa	12.5	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.25	0.0
lab*tch	0.0	0.25	-
lab*nch	0.0	0.0	-
relative Natural Colour (NC)			
lab*trj	0.0	0.25	0.0
lab*tce	0.0	0.25	-
lab*nce	0.0	0.25	-

$n^* = 0,50$

relative Inform. Technology (IT)			
olvi3*	0.25	1.0	0.25
cmyn3*	0.75	0.0	0.75
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.25
standard and adapted CIELAB			
LAB*LAB	60.23	-0.74	0.111
LAB*LABa	60.23	-0.74	0.111
LAB*TCRa	62.5	0.01	-
relative CIELAB lab*			
lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-
relative Natural Colour (NC)			
lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)			
olvi3*	0.0	0.75	0.0
cmyn3*	1.0	0.25	1.0
olvi4*	1.0	0.25	1.0
cmyn4*	0.75	0.0	0.75
standard and adapted CIELAB			
LAB*LAB	48.21	-0.51	0.090
LAB*LABa	48.21	-0.51	0.090
LAB*TCRa	50.0	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.75	0.0
lab*tch	0.0	0.75	-
lab*nch	0.0	0.0	-
relative Natural Colour (NC)			
lab*trj	0.0	0.75	0.0
lab*tce	0.0	0.75	-
lab*nce	0.0	0.75	-

relative CIELAB lab*			
lab*lab	0.298	-0.694	0.282
lab*tch	0.375	0.75	0.439
lab*nch	0.25	0.75	0.439
relative Natural Colour (NC)			
lab*lrj	0.298	-0.741	0.111
lab*tce	0.375	0.75	0.476
lab*nce	0.25	0.75	190g

$n^* = 0,25$

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

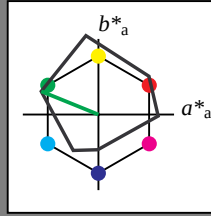
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	38.11	17.76	17.76
LAB*LABa	72.26	-37.8	15.32
LAB*LABb	75.0	40.8	157.94

relative CIELAB lab*

lab*lab	0.698	-0.462	0.188
lab*tch	0.75	0.5	0.439
lab*nch	0.0	0.5	0.439

relative Natural Colour (NC)

lab*trj	0.698	-0.462	0.188
lab*tce	0.75	0.5	0.439
lab*nce	0.0	0.5	0.439

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.25	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	52.32	-38.64	17.63
LAB*LABa	52.32	-37.81	15.33
LAB*LABb	50.0	40.81	157.94

relative CIELAB lab*

lab*lab	0.448	-0.462	0.188
lab*tch	0.5	0.5	0.439
lab*nch	0.0	0.5	0.439

relative Natural Colour (NC)

lab*trj	0.448	-0.462	0.188
lab*tce	0.5	0.5	0.439
lab*nce	0.0	0.5	0.439

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	32.39	-38.96	17.5
LAB*LABa	32.39	-37.8	15.32
LAB*LABb	25.01	40.8	157.94

relative CIELAB lab*

lab*lab	0.198	-0.462	0.188
lab*tch	0.25	0.5	0.439
lab*nch	0.0	0.5	0.439

relative Natural Colour (NC)

lab*trj	0.198	-0.462	0.188
lab*tce	0.25	0.5	0.439
lab*nce	0.0	0.5	0.439

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.75	1.0	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	24.48	-20.18	9.78
LAB*LABa	24.48	-18.89	7.66
LAB*LABb	12.5	20.39	157.94

relative CIELAB lab*

lab*lab	0.099	-0.231	0.094
lab*tch	0.125	0.25	0.439
lab*nch	0.0	0.25	0.439

relative Natural Colour (NC)

lab*trj	0.099	-0.231	0.094
lab*tce	0.125	0.25	0.439
lab*nce	0.0	0.25	0.439

$n^* = 0,50$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

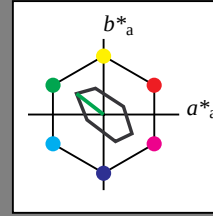
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.41	0.0	0.0
LAB*LABa	96.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.56	0.0	0.0
LAB*LABa	62.56	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.75	1.0	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	46.13	0.0	0.0
LAB*LABa	46.13	0.0	0.0
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.25	0.0
lab*tch	0.0	0.25	0.0
lab*nch	0.0	0.25	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.25	0.0
lab*tce	0.0	0.25	0.0
lab*nce	0.0	0.25	0.0

$n^* = 1,0$

$n^* = 1,0$

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 137/360 = 0.38$

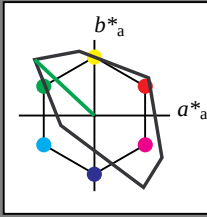
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	92.55	19.73	18.48
LAB*LABa	92.55	-19.73	18.48
LAB*LABb	87.5	27.04	136.89

relative CIELAB lab*

lab*lab	0.963	-0.181	0.171
lab*tch	0.875	0.25	0.38
lab*nch	0.0	0.5	0.38

relative Natural Colour (NC)

lab*trj	0.963	-0.21	0.135
lab*tce	0.875	0.25	0.409
lab*nce	0.0	0.25	0.638

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	89	-39.48	36.96
LAB*LABa	89.7	-39.48	36.96
LAB*LABb	75.0	54.1	136.89

relative CIELAB lab*

lab*lab	0.926	-0.364	0.342
lab*tch	0.75	0.5	0.38
lab*nch	0.0	0.5	0.38

relative Natural Colour (NC)

lab*trj	0.926	-0.42	0.269
lab*tce	0.75	0.5	0.409
lab*nce	0.0	0.5	0.638

relative Inform. Technology (IT)

olvi3*	0.25	1.0	0.25	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	0.25	1.0	0.25	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	86.85	-59.22	55.45
LAB*LABa	86.85	-59.22	55.45
LAB*LABb	62.5	81.14	136.89

relative CIELAB lab*

lab*lab	0.889	-0.546	0.512
lab*tch	0.625	0.75	0.38
lab*nch	0.0	0.75	0.38

relative Natural Colour (NC)

lab*trj	0.889	-0.631	0.404
lab*tce	0.625	0.75	0.409
lab*nce	0.0	0.75	0.638

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	0.25	0.5	0.25	(1.0)
cmyn4*	0.25	0.5	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	83.59	-78.96	73.93
LAB*LABa	83.59	-78.96	73.93
LAB*LABb	50.0	108.18	136.89

relative CIELAB lab*

lab*lab	0.853	-0.729	0.683
lab*tch	0.5	1.0	0.38
lab*nch	0.0	1.0	0.38

relative Natural Colour (NC)

lab*trj	0.853	-0.841	0.539
lab*tce	0.5	1.0	0.409
lab*nce	0.0	1.0	0.638

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	66.71	-62.4	2.14
LAB*LABa	66.71	-62.4	2.14
LAB*LABb	50.0	108.18	136.89

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	0.25	0.5	0.25	(1.0)
cmyn4*	0.25	0.5	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	60.06	-217.0	0.122
LAB*LABa	60.06	-217.0	0.122
LAB*LABb	50.0	108.18	136.89

relative CIELAB lab*

lab*lab	0.606	-0.217	0.122
lab*tch	0.625	0.25	0.419
lab*nch	0.25	0.25	0.419

relative Natural Colour (NC)

lab*trj	0.606	-0.238	0.072
lab*tce	0.625	0.25	0.453
lab*nce	0.25	0.25	0.818

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.75	0.5	(0.0)
olvi4*	0.5	0.75	0.5	(1.0)
cmyn4*	0.5	0.75	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	64.93	-16.1	11.44
LAB*LABa	64.93	-16.1	11.44
LAB*LABb	50.0	108.18	136.89

relative CIELAB lab*

lab*lab	0.606	-0.217	0.122
lab*tch	0.625	0.25	0.419
lab*nch	0.25	0.25	0.419

relative Natural Colour (NC)

lab*trj	0.606	-0.238	0.072
lab*tce	0.625	0.25	0.453
lab*nce	0.25	0.25	0.818

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	0.25	0.5	0.25	(1.0)
cmyn4*	0.25	0.5	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	53.81	-31.6	19.43
LAB*LABa	53.81	-31.6	19.43
LAB*LABb	50.0	108.18	136.89

relative CIELAB lab*

lab*lab	0.462	-0.436	0.243
lab*tch	0.625	0.25	0.419
lab*nch	0.25	0.25	0.419

relative Natural Colour (NC)

lab*trj	0.462	-0.478	0.144
lab*tce	0.625	0.25	0.453
lab*nce	0.25	0.25	0.818

relative Inform. Technology (IT)

olvi3*	0.25	1.0	0.25	(1.0)
cmyn3*	0.25	1.0	0.25	(0.0)
olvi4*	0.25	1.0	0.25	(1.0)
cmyn4*	0.25	1.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	62.02	-47.11	26.21
LAB*LABa	62.02	-47.11	26.21
LAB*LABb	50.0	108.18	136.89

relative CIELAB lab*

lab*lab	0.569	-0.654	0.365
lab*tch	0.625	0.25	0.419
lab*nch	0.25	0.25	0.419

relative Natural Colour (NC)

lab*trj	0.569	-0.717	0.217
lab*tce	0.625	0.25	0.453
lab*nce	0.25	0.25	0.818

relative Inform. Technology (IT)

olvi3*	0.0	1.0	0.0	(1.0)
cmyn3*	1.0	0.0	1.0	(0.0)
olvi4*	0.0	1.0	0.0	(1.0)
cmyn4*	1.0	0.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	50.9	-62.81	34.95
LAB*LABa	50.9	-62.81	34.95
LAB*LABb	50.0	108.18	136.89

relative CIELAB lab*

lab*lab	0.425	-0.873	0.486
lab*tch	0.5	1.0	0.419
lab*nch	0.0	1.0	0.419

relative Natural Colour (NC)

lab*trj	0.425	-0.956	0.289
lab*tce	0.5	1.0	0.453
lab*nce	0.0	1.0	0.818

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.75	0.75	0.75	(1.0)
cmyn4*	0.25	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.75	0.5	(0.0)
olvi4*	0.5	0.75	0.5	(1.0)
cmyn4*	0.5	0.75	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	72.1	19.74	18.49
LAB*LABa	72.1	-19.74	18.49
LAB*LABb	73.21	-19.74	18.49

relative CIELAB lab*

lab*lab	0.713	-0.21	0.135
lab*tch	0.625	0.25	0.409
lab*nch	0.0	0.25	0.638

relative Natural Colour (NC)

lab*trj	0.713	-0.21	0.135
lab*tce	0.625	0.25	0.409
lab*nce	0.0	0.25	0.638

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.25	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	0.25	0.75	0.25	(1.0)
cmyn4*	0.25	0.75	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	70.36	-39.48	36.97
LAB*LABa	70.36	-39.48	36.97
LAB*LABb	50.0	54.1	136.89

relative CIELAB lab*

lab*lab	0.676	-0.364	0.342
lab*tch	0.625	0.5	0.38
lab*nch	0.0	0.5	0.38

relative Natural Colour (NC)

lab*trj	0.676	-0.42	0.269
lab*tce	0.625	0.5	0.409
lab*nce	0.0	0.5	0.638

relative Inform. Technology (IT)

olvi3*	0.0	0.75	0.0	(1.0)
cmyn3*	1.0	0.25	1.0	(0.0)
olvi4*	0.0	0.75	0.0	(1.0)
cmyn4*	1.0	0.25	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	67.5	-59.22	55.45
LAB*LABa	67.5	-59.22	55.45
LAB*LABb	37.51	81.14	136.89

relative CIELAB lab*

lab*lab	0.639	-0.546	0.512
lab*tch	0.375	0.75	0.38
lab*nch	0.0	0.75	0.38

relative Natural Colour (NC)

lab*trj	0.639	-0.631	0.404
lab*tce	0.375	0.75	0.409
lab*nce	0.0	0.75	0.638

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	63.59	-78.96	73.93
LAB*LABa	63.59	-78.96	73.93
LAB*LABb	50.0	108.18	136.89

relative CIELAB lab*

lab*lab	0.853	-0.729	0.683
lab*tch	0.5	1.0	0.38
lab*nch	0.0	1.0	0.38

relative Natural Colour (NC)

lab*trj	0.853	-0.841	0.539
lab*tce	0.5	1.0	0.409
lab*nce	0.0	1.0	0.638

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	0.25	0.5	0.25	(1.0)
cmyn4*	0.25	0.5	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	60.06	-217.0	0.122
LAB*LABa	60.06	-217.0	0.122
LAB*LABb	50.0	108.18	136.89

relative CIELAB lab*

lab*lab	0.606	-0.217	0.122
lab*tch	0.625	0.25	0.419
lab*nch	0.25	0.25	0.419

relative Natural Colour (NC)

lab*trj	0.606	-0.238	0.072
lab*tce	0.625	0.25	0.453
lab*nce	0.25	0.25	0.818

relative CIELAB lab*			
lab*lab	0.856	-0.217	0.12
lab*tch	0.875	0.25	0.41
lab*nch	0.0	0.25	0.41
relative Natural Colour (NC)			
lab*lrj	0.856	-0.238	0.07
lab*tce	0.875	0.25	0.45
lab*ncE	0.0	0.25	0.45

5 step scales for constant CIELAB hue $136/360 = 0.378$ (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 137/360 = 0.38$

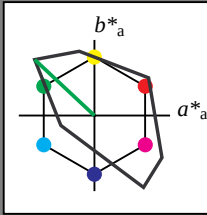
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.01	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	0.75	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	92.55	19.73	18.48
LAB*LABa	92.55	19.73	18.48
LAB*LABb	87.5	27.04	136.89

relative CIELAB lab*

lab*lab	0.963	-0.181	0.171
lab*tch	0.875	0.25	0.38
lab*nch	0.0	0.5	0.38

relative Natural Colour (NC)

lab*trj	0.963	-0.21	0.135
lab*tce	0.875	0.25	0.409
lab*nce	0.0	0.25	0.638

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	73.21	19.74	18.49
LAB*LABa	73.21	19.74	18.49
LAB*LABb	62.5	27.04	136.89

relative CIELAB lab*

lab*lab	0.713	-0.182	0.171
lab*tch	0.625	0.25	0.38
lab*nch	0.25	0.25	0.38

relative Natural Colour (NC)

lab*trj	0.713	-0.21	0.135
lab*tce	0.625	0.25	0.409
lab*nce	0.25	0.25	0.638

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	50.0	54.1	136.89
LAB*LABa	50.0	54.1	136.89
LAB*LABb	50.0	54.1	136.89

relative CIELAB lab*

lab*lab	0.676	-0.364	0.342
lab*tch	0.5	0.38	0.38
lab*nch	0.25	0.5	0.38

relative Natural Colour (NC)

lab*trj	0.676	-0.42	0.269
lab*tce	0.5	0.5	0.409
lab*nce	0.25	0.5	0.638

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	51.01	39.48	36.96
LAB*LABa	51.01	39.48	36.96
LAB*LABb	51.01	39.48	36.96

relative CIELAB lab*

lab*lab	0.426	-0.364	0.342
lab*tch	0.25	0.5	0.38
lab*nch	0.5	0.5	0.38

relative Natural Colour (NC)

lab*trj	0.426	-0.42	0.269
lab*tce	0.25	0.5	0.409
lab*nce	0.5	0.5	0.638

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.75	1.0	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	34.51	19.73	18.48
LAB*LABa	34.51	19.73	18.48
LAB*LABb	12.5	27.04	136.89

relative CIELAB lab*

lab*lab	0.213	-0.181	0.171
lab*tch	0.125	0.25	0.38
lab*nch	0.75	0.25	0.38

relative Natural Colour (NC)

lab*trj	0.213	-0.21	0.135
lab*tce	0.125	0.25	0.409
lab*nce	0.75	0.25	0.638

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olvi3*	0.25	1.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	0.25	1.0	0.25	(1.0)
cmyn4*	0.75	0.0	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	86.85	-59.22	55.45
LAB*LABa	86.85	-59.22	55.45
LAB*LABb	62.5	81.14	136.89

relative CIELAB lab*

lab*lab	0.889	-0.546	0.512
lab*tch	0.625	0.75	0.38
lab*nch	0.0	0.75	0.38

relative Natural Colour (NC)

lab*trj	0.889	-0.631	0.404
lab*tce	0.625	0.75	0.409
lab*nce	0.0	0.75	0.638

relative Inform. Technology (IT)

olvi3*	0.0	0.75	0.0	(1.0)
cmyn3*	1.0	0.25	1.0	(0.0)
olvi4*	0.25	1.0	0.25	(1.0)
cmyn4*	0.75	0.0	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	67.5	-59.22	55.45
LAB*LABa	67.5	-59.22	55.45
LAB*LABb	37.51	81.14	136.89

relative CIELAB lab*

lab*lab	0.639	-0.546	0.512
lab*tch	0.375	0.75	0.38
lab*nch	0.25	0.75	0.38

relative Natural Colour (NC)

lab*trj	0.639	-0.631	0.404
lab*tce	0.375	0.75	0.409
lab*nce	0.25	0.75	0.638

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	51.01	39.48	36.96
LAB*LABa	51.01	39.48	36.96
LAB*LABb	51.01	39.48	36.96

relative CIELAB lab*

lab*lab	0.426	-0.364	0.342
lab*tch	0.25	0.5	0.38
lab*nch	0.5	0.5	0.38

relative Natural Colour (NC)

lab*trj	0.426	-0.42	0.269
lab*tce	0.25	0.5	0.409
lab*nce	0.5	0.5	0.638

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.75	1.0	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	34.51	19.73	18.48
LAB*LABa	34.51	19.73	18.48
LAB*LABb	12.5	27.04	136.89

relative CIELAB lab*

lab*lab	0.213	-0.181	0.171
lab*tch	0.125	0.25	0.38
lab*nch	0.75	0.25	0.38

relative Natural Colour (NC)

lab*trj	0.213	-0.21	0.135
lab*tce	0.125	0.25	0.409
lab*nce	0.75	0.25	0.638

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 0,50$

blackness n^*

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 158/360 = 0.439$

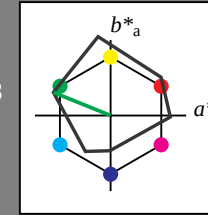
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 137/360 = 0.38$

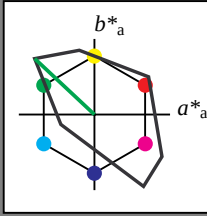
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

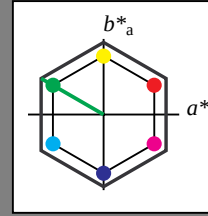
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	1.0	0.0	0.0

lab*trj	1.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	56.72	0.0	0.0

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.5	0.0	0.0

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	37.37	0.0	0.0

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.25	0.0	0.0

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

olvi3*	0.75	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

LAB*LAB	92.55	19.73	18.48
LAB*LABa	92.55	19.73	18.48
LAB*LABb	92.55	19.73	18.48

lab*lab	0.963	-0.181	0.171
lab*tch	0.875	0.25	0.38
lab*nch	0.0	0.5	0.38

lab*trj	0.963	-0.21	0.135
lab*tce	0.875	0.25	0.409
lab*nce	0.0	0.25	0.638

olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

LAB*LAB	73.21	19.74	18.49
LAB*LABa	73.21	19.74	18.49
LAB*LABb	73.21	19.74	18.49

lab*lab	0.713	-0.182	0.171
lab*tch	0.625	0.25	0.38
lab*nch	0.0	0.5	0.38

lab*trj	0.713	-0.21	0.135
lab*tce	0.625	0.25	0.409
lab*nce	0.0	0.25	0.638

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	56.72	0.0	0.0

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.5	0.0	0.0

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

LAB*LAB	89.3	39.48	36.96
LAB*LABa	89.3	39.48	36.96
LAB*LABb	89.3	39.48	36.96

lab*lab	0.989	-0.364	0.342
lab*tch	0.75	0.5	0.38
lab*nch	0.0	0.5	0.38

lab*trj	0.989	-0.61	0.404
lab*tce	0.75	0.5	0.409
lab*nce	0.0	0.5	0.638

olvi3*	0.25	0.75	0.25	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

LAB*LAB	70.36	39.48	36.97
LAB*LABa	70.36	39.48	36.97
LAB*LABb	70.36	39.48	36.97

lab*lab	0.676	-0.364	0.342
lab*tch	0.5	0.38	0.38
lab*nch	0.0	0.5	0.38

lab*trj	0.676	-0.42	0.269
lab*tce	0.5	0.5	0.409
lab*nce	0.0	0.5	0.638

olvi3*	0.0	0.75	0.0	(1.0)
cmyn3*	1.0	0.25	1.0	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

LAB*LAB	63.59	-78.96	73.93
LAB*LABa	63.59	-78.96	73.93
LAB*LABb	63.59	-78.96	73.93

lab*lab	0.853	-0.729	0.683
lab*tch	0.5	1.0	0.38
lab*nch	0.0	1.0	0.38

lab*trj	0.853	-0.84	0.539
lab*tce	0.5	1.0	0.409
lab*nce	0.0	1.0	0.638

olvi3*	0.25	1.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	0.25	1.0	0.25	(1.0)
cmyn4*	0.75	0.0	0.75	(0.0)

LAB*LAB	86.85	-59.22	55.45
LAB*LABa	86.85	-59.22	55.45
LAB*LABb	86.85	-59.22	55.45

lab*lab	0.989	-0.546	0.512
lab*tch	0.625	0.75	0.38
lab*nch	0.0	0.75	0.38

lab*trj	0.989	-0.61	0.404
lab*tce	0.625	0.75	0.409
lab*nce	0.0	0.75	0.638

olvi3*	0.0	0.75	0.0	(1.0)
cmyn3*	1.0	0.25	1.0	(0.0)
olvi4*	0.25	1.0	0.25	(1.0)
cmyn4*	0.75	0.0	0.75	(0.0)

LAB*LAB	67.5	-59.22	55.45
LAB*LABa	67.5	-59.22	55.45
LAB*LABb	67.5	-59.22	55.45

lab*lab	0.639	-0.546	0.512
lab*tch	0.375	0.75	0.38
lab*nch	0.0	0.75	0.38

lab*trj	0.639	-0.61	0.404
lab*tce	0.375	0.75	0.409
lab*nce	0.0	0.75	0.638

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

LAB*LAB	51.01	-39.48	36.96
LAB*LABa	51.01	-39.48	36.96
LAB*LABb	51.01	-39.48	36.96

lab*lab	0.426	-0.364	0.342
lab*tch	0.25	0.5	0.38
lab*nch	0.		

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 137/360 = 0.38$

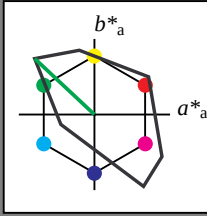
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	0.0
cmyn4*	0.5	0.0	0.5	0.0

standard and adapted CIELAB

LAB*LAB	89.33	0.0	0.0
LAB*LABa	89.7	-39.48	36.96
LAB*TCRa	75.0	0.09	136.89

relative CIELAB lab*

lab*lab	0.963	-0.181	0.171
lab*tch	0.875	0.25	0.38
lab*nch	0.0	0.5	0.38

relative Natural Colour (NC)

lab*trj	0.963	-0.21	0.135
lab*tce	0.875	0.25	0.409
lab*nce	0.0	0.25	0.38

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	0.5	1.0	0.5	0.75
cmyn4*	0.5	0.0	0.5	0.25

standard and adapted CIELAB

LAB*LAB	70.36	-39.48	36.97
LAB*LABa	70.36	-39.48	36.96
LAB*TCRa	50.0	54.1	136.89

relative CIELAB lab*

lab*lab	0.713	-0.182	0.171
lab*tch	0.625	0.25	0.38
lab*nch	0.25	0.25	0.38

relative Natural Colour (NC)

lab*trj	0.713	-0.21	0.135
lab*tce	0.625	0.25	0.409
lab*nce	0.25	0.25	0.38

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.0	1.0	0.5	0.0
cmyn4*	0.5	0.0	0.5	0.5

standard and adapted CIELAB

LAB*LAB	51.01	-39.48	36.96
LAB*LABa	51.01	-39.48	36.96
LAB*TCRa	25.01	54.09	136.89

relative CIELAB lab*

lab*lab	0.463	-0.182	0.171
lab*tch	0.375	0.25	0.38
lab*nch	0.25	0.25	0.38

relative Natural Colour (NC)

lab*trj	0.463	-0.21	0.135
lab*tce	0.375	0.25	0.409
lab*nce	0.25	0.25	0.38

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	0.0
olvi4*	1.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*TCRa	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

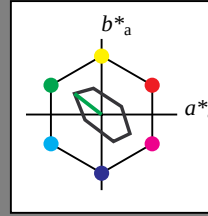
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.0	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*TCRa	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*TCRa	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*TCRa	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	0.0
olvi4*	1.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*TCRa	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

chromaticness c^*

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	0.0
cmyn4*	0.5	0.0	0.5	0.0

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

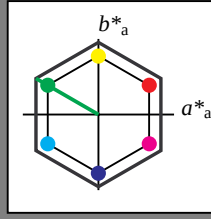
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	71.57	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	47.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	23.87	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.03	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(0.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	63.61	-41.29	23.85
LAB*LABa	63.61	-41.29	23.85
LAB*LABb	63.61	-41.29	23.85

relative CIELAB lab*

lab*lab	0.833	-0.215	0.125
lab*tch	0.875	0.25	0.417
lab*nch	0.0	0.25	0.417

relative Natural Colour (NC)

lab*trj	0.833	-0.24	0.068
lab*tce	0.875	0.25	0.456
lab*nce	0.0	0.25	0.828

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(0.0)
cmyn4*	0.5	0.25	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	55.66	-20.65	11.93
LAB*LABa	55.66	-20.65	11.93
LAB*LABb	55.66	-20.65	11.93

relative CIELAB lab*

lab*lab	0.583	-0.216	0.125
lab*tch	0.625	0.25	0.417
lab*nch	0.25	0.25	0.417

relative Natural Colour (NC)

lab*trj	0.583	-0.24	0.068
lab*tce	0.625	0.25	0.456
lab*nce	0.25	0.25	0.828

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.5	0.25	(0.0)
olvi4*	0.25	1.0	0.25	(0.0)
cmyn4*	0.25	0.5	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	38.76	-41.3	23.85
LAB*LABa	38.76	-41.3	23.85
LAB*LABb	38.76	-41.3	23.85

relative CIELAB lab*

lab*lab	0.417	-0.432	0.25
lab*tch	0.417	-0.432	0.25
lab*nch	0.25	0.5	0.417

relative Natural Colour (NC)

lab*trj	0.417	-0.48	0.136
lab*tce	0.417	-0.48	0.136
lab*nce	0.25	0.5	0.828

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	0.0	(0.0)
olvi4*	0.0	1.0	0.5	(0.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	15.92	-41.29	23.85
LAB*LABa	15.92	-41.29	23.85
LAB*LABb	15.92	-41.29	23.85

relative CIELAB lab*

lab*lab	0.167	-0.432	0.25
lab*tch	0.167	-0.432	0.25
lab*nch	0.25	0.5	0.417

relative Natural Colour (NC)

lab*trj	0.167	-0.48	0.136
lab*tce	0.167	-0.48	0.136
lab*nce	0.25	0.5	0.828

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

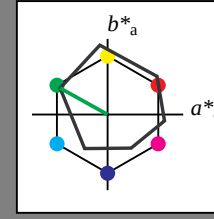
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	-0.88	4.75
LAB*LABa	95.41	-0.88	4.75
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	-0.61	3.44
LAB*LABb	76.06	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.24	2.14
LAB*LABa	56.71	0.24	2.14
LAB*LABb	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.13	0.83
LAB*LABb	37.36	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.05	-0.47
LAB*LABa	18.02	0.05	-0.47
LAB*LABb	18.02	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	0.75	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	84.28	-16.47	12.74
LAB*LABa	84.28	-16.47	12.74
LAB*LABb	84.28	-16.47	12.74

relative CIELAB lab*

lab*lab	0.856	-0.217	0.121
lab*tch	0.875	0.25	0.419
lab*nch	0.0	0.25	0.419

relative Natural Colour (NC)

lab*trj	0.856	-0.238	0.072
lab*tce	0.875	0.25	0.453
lab*nce	0.0	0.25	0.818

relative Inform. Technology (IT)				
olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.75	0.25	0.75	(0)
olvi4*	0.5	1.0	0.5	0.75
cmyn4*	0.5	0.0	0.5	0.25
standard and adapted CIELAB				
LAB*LAB	53.81	-31.6	19.43	
LAB*LAB	53.81	-31.41	17.48	
LAB*TCCha	50.0	35.95	150.91	
relative CIELAB lab*				
lab*lab	0.462	-0.436	0.243	
lab*tcch	0.5	0.5	0.419	
lab*nch	0.25	0.5	0.419	
relative Natural Colour (NC)				
lab*nrj	0.462	-0.478	0.144	
lab*nc	0.5	0.5	0.453	
lab*ncE	0.25	0.5	0.81e	

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

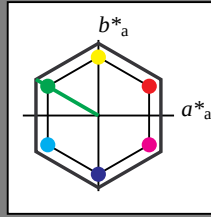
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

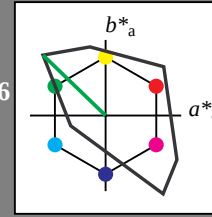
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0		
LAB*TChe	99.99	0.02	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	71.57	0.0	0.0		
LAB*TChe	75.0	0.02	-		
relative CIELAB lab*					
lab*lab	0.833	0.215	0.125		
lab*tch	0.875	0.25	0.417		
lab*nch	0.0	0.25	0.417		
relative Natural Colour (NC)					
lab*trj	0.933	0.24	0.068		
lab*tce	0.275	0.25	0.456		
lab*nce	0.0	0.25	0.628		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	47.72	0.0	0.0		
LAB*TChe	50.0	0.02	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	23.87	0.0	0.0		
LAB*TChe	25.0	0.02	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	0.03	0.0	0.0		
LAB*TChe	0.01	0.02	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

$n^* = 1,0$

relative Inform. Technology (IT)					
olvi3*	0.75	1.0	0.75	(1.0)	
cmyn3*	0.25	0.0	0.25	(0.0)	
olvi4*	0.75	1.0	0.75	(1.0)	
cmyn4*	0.25	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	79.51	-20.64	11.92		
LAB*TChe	87.5	-20.64	11.92		
relative CIELAB lab*					
lab*lab	0.833	-0.215	0.125		
lab*tch	0.875	0.25	0.417		
lab*nch	0.0	0.25	0.417		
relative Natural Colour (NC)					
lab*trj	0.933	-0.24	0.068		
lab*tce	0.275	0.25	0.456		
lab*nce	0.0	0.25	0.628		

relative Inform. Technology (IT)					
olvi3*	0.5	0.75	0.5	(1.0)	
cmyn3*	0.5	0.25	0.5	(0.0)	
olvi4*	0.75	1.0	0.75	(1.0)	
cmyn4*	0.25	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.64	-20.65	11.93		
LAB*TChe	62.5	-20.65	11.93		
relative CIELAB lab*					
lab*lab	0.583	-0.216	0.125		
lab*tch	0.625	0.25	0.417		
lab*nch	0.25	0.25	0.417		
relative Natural Colour (NC)					
lab*trj	0.583	-0.24	0.068		
lab*tce	0.625	0.25	0.456		
lab*nce	0.25	0.25	0.628		

relative Inform. Technology (IT)					
olvi3*	0.25	0.5	0.25	(1.0)	
cmyn3*	0.75	0.5	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	23.87	-41.3	23.85		
LAB*TChe	50.0	-41.3	23.85		
relative CIELAB lab*					
lab*lab	0.583	-0.216	0.125		
lab*tch	0.625	0.25	0.417		
lab*nch	0.25	0.25	0.417		
relative Natural Colour (NC)					
lab*trj	0.583	-0.24	0.068		
lab*tce	0.625	0.25	0.456		
lab*nce	0.25	0.25	0.628		

relative CIELAB lab*			
lab*lab	0.333	-0.216	0.125
lab*ch	0.375	0.25	0.417
lab*nch	0.5	0.25	0.417
relative Natural Colour (NC)			
lab*lrj	0.333	-0.24	0.068
lab*nc	0.375	0.25	0.456
lab*nce	0.5	0.25	0.828

relative Inform. Technology (IT)			
olvi3*	0.0	0.25	0.0
cmyn3*	1.0	0.75	1.0
olvi4*	0.75	0.5	0.0
cmyn4*	0.25	0.0	0.75

standard and adapted CIELAB			
LAB*LAB	7.97	-20.64	11.92
LAB*LABa	7.97	-20.64	11.92
LAB*TCa	12.5	23.84	15.00

chromaticness c^*

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

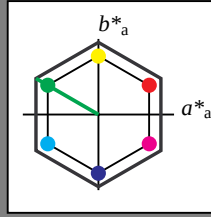
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCRa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.833 0.0 0.0
lab*tch 0.875 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.833 0.0 0.0
lab*tce 0.875 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCRa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCRa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 63.61 -41.29 23.85
LAB*LABa 63.61 -41.29 23.85
LAB*TCRa 75.0 47.69 150.0

relative CIELAB lab*
lab*lab 0.667 -0.432 0.25
lab*tch 0.75 0.5 0.417
lab*nch 0.0 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.667 -0.432 0.25
lab*tce 0.75 0.5 0.417
lab*nce 0.0 0.5 0.417

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 38.76 -41.3 23.85
LAB*LABa 38.76 -41.3 23.85
LAB*TCRa 50.0 47.7 150.0

relative CIELAB lab*
lab*lab 0.5 -0.648 0.375
lab*tch 0.625 0.75 0.417
lab*nch 0.0 0.75 0.417
relative Natural Colour (NC)
lab*trj 0.5 -0.648 0.375
lab*tce 0.625 0.75 0.417
lab*nce 0.0 0.75 0.417

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 1.0 0.25 1.0 (0.0)
olvi4* 0.25 1.0 0.25 (0.0)
cmyn4* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 -61.95 35.77
LAB*LABa 23.87 -61.95 35.77
LAB*TCRa 37.51 71.54 150.0

relative CIELAB lab*
lab*lab 0.333 -0.432 0.25
lab*tch 0.375 0.75 0.417
lab*nch 0.0 0.75 0.417
relative Natural Colour (NC)
lab*trj 0.333 -0.432 0.25
lab*tce 0.375 0.75 0.417
lab*nce 0.0 0.75 0.417

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.0 1.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 15.92 -41.29 23.85
LAB*LABa 15.92 -41.29 23.85
LAB*TCRa 25.01 47.69 150.0

relative CIELAB lab*
lab*lab 0.167 -0.432 0.25
lab*tch 0.25 0.5 0.417
lab*nch 0.0 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.167 -0.432 0.25
lab*tce 0.25 0.5 0.417
lab*nce 0.0 0.5 0.417

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 137/360 = 0.38$

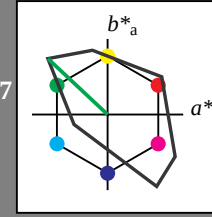
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCRa 50.0 95.38 150.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCRa 25.0 95.38 150.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.0 1.0 0.0 (0.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 11.93 -41.29 23.85
LAB*LABa 11.93 -41.29 23.85
LAB*TCRa 25.01 47.69 150.0

relative CIELAB lab*
lab*lab 0.125 -0.432 0.25
lab*tch 0.167 0.75 0.417
lab*nch 0.0 0.75 0.417
relative Natural Colour (NC)
lab*trj 0.125 -0.432 0.25
lab*tce 0.167 0.75 0.417
lab*nce 0.0 0.75 0.417

$n^* = 1,0$

chromaticness c^*

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 89.7 -39.48 36.96
LAB*LABa 89.7 -39.48 36.96
LAB*TCRa 99.99 0.09 136.89

relative CIELAB lab*
lab*lab 0.963 -0.181 0.171
lab*tch 0.875 0.25 0.38
lab*nch 0.0 0.25 0.38
relative Natural Colour (NC)
lab*trj 0.963 -0.181 0.171
lab*tce 0.875 0.25 0.38
lab*nce 0.0 0.25 0.38

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 63.61 -41.29 23.85
LAB*LABa 63.61 -41.29 23.85
LAB*TCRa 75.0 47.69 150.0

relative CIELAB lab*
lab*lab 0.667 -0.432 0.25
lab*tch 0.75 0.5 0.417
lab*nch 0.0 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.667 -0.432 0.25
lab*tce 0.75 0.5 0.417
lab*nce 0.0 0.5 0.417

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 38.76 -41.3 23.85
LAB*LABa 38.76 -41.3 23.85
LAB*TCRa 50.0 47.7 150.0

relative CIELAB lab*
lab*lab 0.5 -0.648 0.375
lab*tch 0.625 0.75 0.417
lab*nch 0.0 0.75 0.417
relative Natural Colour (NC)
lab*trj 0.5 -0.648 0.375
lab*tce 0.625 0.75 0.417
lab*nce 0.0 0.75 0.417

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 1.0 0.25 1.0 (0.0)
olvi4* 0.25 1.0 0.25 (0.0)
cmyn4* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 -61.95 35.77
LAB*LABa 23.87 -61.95 35.77
LAB*TCRa 37.51 71.54 150.0

relative CIELAB lab*
lab*lab 0.333 -0.432 0.25
lab*tch 0.375 0.75 0.417
lab*nch 0.0 0.75 0.417
relative Natural Colour (NC)
lab*trj 0.333 -0.432 0.25
lab*tce 0.375 0.75 0.417
lab*nce 0.0 0.75 0.417

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

5 step scales for constant CIELAB hue 137/360 = 0.38 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

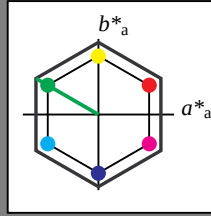
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TChe 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TChe 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TChe 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TChe 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TChe 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

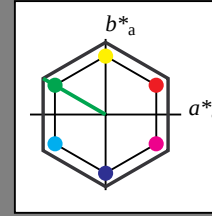
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TChe 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TChe 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TChe 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TChe 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TChe 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TChe 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TChe 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TChe 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TChe 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

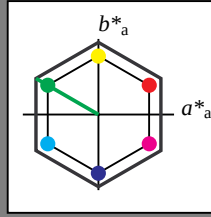
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCa	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCa	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.0

standard and adapted CIELAB

LAB*LAB	63.61	-41.29 23.85	
LAB*LABa	63.61	-41.29 23.85	
LAB*TCa	75.0	47.69 150.0	

relative CIELAB lab*

lab*lab	0.833	-0.215 0.125	
lab*tch	0.875	0.25 0.417	
lab*nch	0.0	0.25 0.417	

relative Natural Colour (NC)

lab*trj	0.833	-0.24 0.068	
lab*tce	0.25	0.25 0.456	
lab*nce	0.0	0.25 0.828	

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.25

standard and adapted CIELAB

LAB*LAB	38.76	-41.3 23.85	
LAB*LABa	38.76	-41.3 23.85	
LAB*TCa	50.0	47.7 150.0	

relative CIELAB lab*

lab*lab	0.583	-0.216 0.125	
lab*tch	0.625	0.25 0.417	
lab*nch	0.25	0.25 0.417	

relative Natural Colour (NC)

lab*trj	0.583	-0.24 0.068	
lab*tce	0.625	0.25 0.456	
lab*nce	0.25	0.25 0.828	

relative Inform. Technology (IT)

olvi3*	0.0	0.75	0.0	(1.0)
cmyn3*	1.0	0.25	0.0	(0.0)
olvi4*	0.25	1.0	0.25	1.0
cmyn4*	0.75	0.0	0.75	0.25

standard and adapted CIELAB

LAB*LAB	23.87	-61.95 35.77	
LAB*LABa	23.87	-61.95 35.77	
LAB*TCa	37.51	71.54 150.0	

relative CIELAB lab*

lab*lab	0.417	-0.432 0.25	
lab*tch	0.375	0.25 0.417	
lab*nch	0.25	0.5 0.417	

relative Natural Colour (NC)

lab*trj	0.417	-0.48 0.136	
lab*tce	0.375	0.25 0.456	
lab*nce	0.25	0.5 0.828	

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	0.0	(0.0)
olvi4*	0.0	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.5

standard and adapted CIELAB

LAB*LAB	15.92	-41.29 23.85	
LAB*LABa	15.92	-41.29 23.85	
LAB*TCa	25.01	47.69 150.0	

relative CIELAB lab*

lab*lab	0.167	-0.432 0.25	
lab*tch	0.25	0.5 0.417	
lab*nch	0.5	0.5 0.417	

relative Natural Colour (NC)

lab*trj	0.167	-0.48 0.136	
lab*tce	0.25	0.5 0.456	
lab*nce	0.5	0.5 0.828	

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

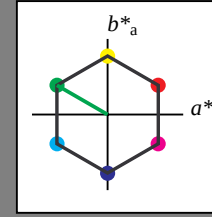
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCa	50.0	95.38 150.0	

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

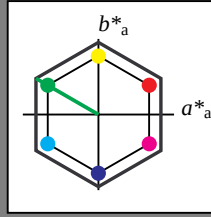
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

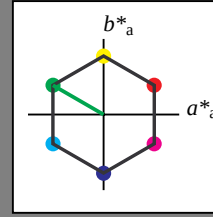
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

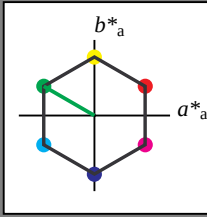
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0.75

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

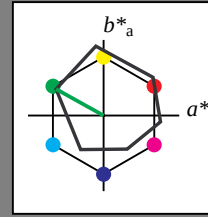
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	

standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0		
LAB*LABa	95.41	0.0	0.0		
LAB*TCRa	99.99	0.01	-		

relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	-		
lab*nch	0.0	0.0	-		

relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(0.0)	
cmyn4*	0.0	0.0	0.0	(0.5)	

standard and adapted CIELAB					
LAB*LAB	56.72	0.0	0.0		
LAB*LABa	56.72	0.0	0.0		
LAB*TCRa	50.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.0	0.0	-		

relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(0.25)	
cmyn4*	0.0	0.0	0.0	(0.75)	

standard and adapted CIELAB					
LAB*LAB	37.37	0.0	0.0		
LAB*LABa	37.37	0.0	0.0		
LAB*TCRa	25.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.0	0.0	-		

relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.5	0.5	(1.0)	
cmyn3*	0.5	0.25	0.5	(0.0)	
olvi4*	0.75	1.0	0.75	(0.5)	
cmyn4*	0.25	0.0	0.25	(0.25)	

standard and adapted CIELAB					
LAB*LAB	63.16	16.75	9.68		
LAB*LABa	63.16	16.75	9.68		
LAB*TCRa	62.5	19.35	15.00		

relative CIELAB lab*					
lab*lab	0.833	-0.215	0.125		
lab*tch	0.875	0.25	0.417		
lab*nch	0.0	0.25	0.417		

relative Natural Colour (NC)					
lab*trj	0.967	-0.48	0.136		
lab*tce	0.5	0.3	0.456		
lab*nce	0.0	0.25	0.828		

relative Inform. Technology (IT)					
olvi3*	0.5	0.75	0.25	(1.0)	
cmyn3*	0.75	0.25	0.75	(0.0)	
olvi4*	0.5	1.0	0.5	(0.75)	
cmyn4*	0.5	0.0	0.5	(0.25)	

standard and adapted CIELAB					
LAB*LAB	50.26	-33.5	19.35		
LAB*LABa	50.26	-33.5	19.35		
LAB*TCRa	50.0	38.7	15.00		

relative CIELAB lab*					
lab*lab	0.583	-0.216	0.125		
lab*tch	0.625	0.25	0.417		
lab*nch	0.25	0.25	0.417		

relative Natural Colour (NC)					
lab*trj	0.967	-0.48	0.136		
lab*tce	0.5	0.3	0.456		
lab*nce	0.0	0.25	0.828		

relative Inform. Technology (IT)					
olvi3*	0.25	0.5	0.25	(1.0)	
cmyn3*	0.75	0.25	0.75	(0.0)	
olvi4*	0.5	1.0	0.5	(0.75)	
cmyn4*	0.5	0.0	0.5	(0.25)	

standard and adapted CIELAB					
LAB*LAB	30.92	-33.5	19.35		
LAB*LABa	30.92	-33.5	19.35		
LAB*TCRa	25.01	38.69	15.00		

relative CIELAB lab*					
lab*lab	0.167	-0.432	0.25		
lab*tch	0.25	0.5	0.417		
lab*nch	0.5	0.5	0.417		

relative Inform. Technology (IT)					
olvi3*	0.5	1.0	0.5	(1.0)	
cmyn3*	0.5	0.0	0.5	(0.0)	
olvi4*	0.5	1.0	0.5	(1.0)	
cmyn4*	0.5	0.0	0.5	(0.0)	

standard and adapted CIELAB					
LAB*LAB	69.61	33.5	19.35		
LAB*LABa	69.61	-33.5	19.35		
LAB*TCRa	75.0	16.69	15.00		

relative CIELAB lab*					
lab*lab	0.667	-0.432	0.25		
lab*tch	0.75	0.5	0.417		
lab*nch	0.0	0.5	0.417		

relative Natural Colour (NC)					
lab*trj	0.967	-0.48	0.136		
lab*tce	0.5	0.3	0.456		
lab*nce	0.0	0.5	0.828		

relative Inform. Technology (IT)					
olvi3*	0.25	1.0	0.25	(1.0)	
cmyn3*	0.75	0.0	0.75	(0.0)	
olvi4*	0.25	1.0	0.25	(1.0)	
cmyn4*	0.75	0.0	0.75	(0.0)	

standard and adapted CIELAB					
LAB*LAB	56.71	-50.26	29.02		
LAB*LABa	56.71	-50.26	29.02		
LAB*TCRa	62.5	58.04	15.00		

relative CIELAB lab*					
lab*lab	0.5	-0.648	0.375		
lab*tch	0.625	0.75	0.417		
lab*nch	0.0	0.75	0.417		

relative Natural Colour (NC)					
lab*trj	0.5	-0.721	0.203		
lab*tce	0.625	0.75	0.456		
lab*nce	0.0	0.75	0.828		

relative Inform. Technology (IT)					
olvi3*	0.0	0.5	0.0	(1.0)	
cmyn3*	1.0	0.5	1.0	(0.0)	
olvi4*	0.5	1.0	0.5	(0.5)	
cmyn4*	0.5	0.0	0.5	(0.5)	

standard and adapted CIELAB					
LAB*LAB	30.92	-33.5	19.35		
LAB*LABa	30.92	-33.5	19.35		
LAB*TCRa	25.01	38.69	15.00		

relative CIELAB lab*					
lab*lab	0.167	-0.432	0.25		
lab*tch	0.25	0.5	0.417		
lab*nch	0.5	0.5	0.417		

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0.00$

0.25

5 step scales for constant CIELAB hue $136/360 = 0.378$ (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

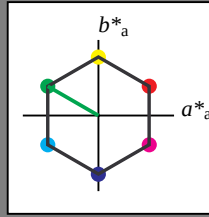
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.01 -0.01 -

relative CIELAB lab*
lab*lab 0.833 0.215 0.125
lab*tch 0.875 0.25 0.417
lab*nch 0.0 0.25 0.417
relative Natural Colour (NC)
lab*trj 0.933 0.24 0.068
lab*tce 0.933 0.25 0.456
lab*nce 0.0 0.25 0.828

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.01 -0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.01 -0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 -0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 69.61 33.5 19.35
LAB*LABa 69.61 -33.5 19.35
LAB*LABb 75.01 -0.01 150.0

relative CIELAB lab*
lab*lab 0.667 -0.432 0.25
lab*tch 0.75 0.5 0.417
lab*nch 0.0 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.967 -0.48 0.136
lab*tce 0.967 0.5 0.456
lab*nce 0.0 0.5 0.828

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 50.26 -33.5 19.35
LAB*LABa 50.26 -33.5 19.35
LAB*LABb 38.7 150.0

relative CIELAB lab*
lab*lab 0.417 -0.432 0.25
lab*tch 0.5 0.5 0.417
lab*nch 0.0 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.417 -0.48 0.136
lab*tce 0.5 0.5 0.456
lab*nce 0.0 0.5 0.828

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 30.92 33.5 19.35
LAB*LABa 30.92 -33.5 19.35
LAB*LABb 25.01 38.69 150.0

relative CIELAB lab*
lab*lab 0.167 -0.432 0.25
lab*tch 0.25 0.5 0.417
lab*nch 0.0 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.167 -0.48 0.136
lab*tce 0.25 0.5 0.456
lab*nce 0.0 0.5 0.828

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.75 1.0 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 158/360 = 0.439$

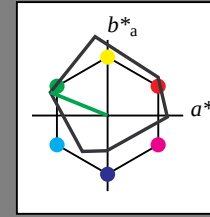
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 0.44 2.45
LAB*LABa 76.38 0.0 0.0
LAB*LABb 75.01 -0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 0.76 2.32
LAB*LABa 56.44 0.0 0.0
LAB*LABb 50.01 -0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 1.09 2.19
LAB*LABa 36.5 0.0 0.0
LAB*LABb 25.01 -0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

chromaticness c^*

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 72.26 -30.31 17.76
LAB*LABa 72.26 -37.8 15.32
LAB*LABb 40.8 157.94

relative CIELAB lab*
lab*lab 0.849 -0.231 0.094
lab*tch 0.875 0.25 0.439
lab*nch 0.0 0.25 0.439
relative Natural Colour (NC)
lab*trj 0.949 -0.246 0.037
lab*tce 0.949 0.25 0.476
lab*nce 0.0 0.25 0.908

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 64.35 -19.54 10.05
LAB*LABa 64.35 -18.9 7.66
LAB*LABb 50.0 40.8 157.94

relative CIELAB lab*
lab*lab 0.599 -0.231 0.094
lab*tch 0.625 0.25 0.439
lab*nch 0.0 0.25 0.439
relative Natural Colour (NC)
lab*trj 0.599 -0.246 0.037
lab*tce 0.625 0.25 0.476
lab*nce 0.0 0.25 0.908

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 52.32 -38.64 17.63
LAB*LABa 52.32 -37.81 15.33
LAB*LABb 50.0 40.8 157.94

relative CIELAB lab*
lab*lab 0.448 -0.462 0.188
lab*tch 0.5 0.5 0.439
lab*nch 0.0 0.5 0.439
relative Natural Colour (NC)
lab*trj 0.448 -0.494 0.074
lab*tce 0.5 0.5 0.476
lab*nce 0.0 0.5 0.908

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 32.39 -38.96 17.5
LAB*LABa 32.39 -37.8 15.32
LAB*LABb 25.01 40.8 157.94

relative CIELAB lab*
lab*lab 0.198 -0.462 0.188
lab*tch 0.25 0.5 0.439
lab*nch 0.0 0.5 0.439
relative Natural Colour (NC)
lab*trj 0.198 -0.493 0.074
lab*tce 0.25 0.5 0.476
lab*nce 0.0 0.5 0.908

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.75 1.0 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.099 -0.231 0.094
lab*tch 0.125 0.25 0.439
lab*nch 0.0 0.25 0.439
relative Natural Colour (NC)
lab*trj 0.099 -0.246 0.037
lab*tce 0.125 0.25 0.476
lab*nce 0.0 0.25 0.908

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

5 step scales for constant CIELAB hue 158/360 = 0.439 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

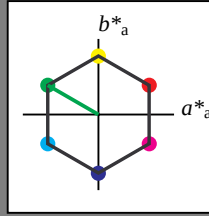
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)									
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	76.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	75.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	56.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	50.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.75	0.75	0.75	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	37.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	25.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	18.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	0.01	-	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$g^*_{H,rel} = 100$

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

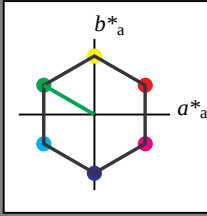
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 69.61 33.5 19.35
LAB*LABa 69.61 -33.5 19.35
LAB*TCHa 75.0 38.69 150.0

relative CIELAB lab*
lab*lab 0.833 -0.215 0.125
lab*tch 0.875 0.25 0.417
lab*nch 0.0 0.25 0.417
relative Natural Colour (NC)
lab*trj 0.833 -0.24 0.068
lab*tce 0.875 0.25 0.456
lab*nce 0.0 0.25 0.828

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 63.16 16.75 9.68
LAB*LABa 63.16 -16.75 9.68
LAB*TCHa 62.5 19.35 150.0

relative CIELAB lab*
lab*lab 0.583 -0.216 0.125
lab*tch 0.625 0.25 0.417
lab*nch 0.0 0.25 0.417
relative Natural Colour (NC)
lab*trj 0.583 -0.24 0.068
lab*tce 0.625 0.25 0.456
lab*nce 0.0 0.25 0.828

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 50.26 -33.5 19.35
LAB*LABa 50.26 -33.5 19.35
LAB*TCHa 50.0 38.7 150.0

relative CIELAB lab*
lab*lab 0.417 -0.432 0.25
lab*tch 0.456 0.25 0.417
lab*nch 0.0 0.25 0.417
relative Natural Colour (NC)
lab*trj 0.417 -0.48 0.136
lab*tce 0.456 0.25 0.456
lab*nce 0.0 0.25 0.828

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 30.92 33.5 19.35
LAB*LABa 30.92 -33.5 19.35
LAB*TCHa 25.01 38.69 150.0

relative CIELAB lab*
lab*lab 0.167 -0.432 0.25
lab*tch 0.25 0.5 0.417
lab*nch 0.5 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.167 -0.48 0.136
lab*tce 0.25 0.5 0.456
lab*nce 0.5 0.5 0.828

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

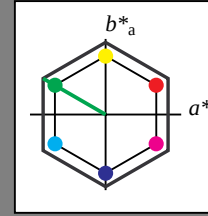
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 77.38 150.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 63.61 -41.29 23.85
LAB*LABa 63.61 -41.29 23.85
LAB*TCHa 75.0 47.69 150.0

relative CIELAB lab*
lab*lab 0.667 -0.432 0.25
lab*tch 0.75 0.25 0.417
lab*nch 0.0 0.25 0.417
relative Natural Colour (NC)
lab*trj 0.667 -0.48 0.136
lab*tce 0.75 0.25 0.456
lab*nce 0.0 0.25 0.828

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 39.76 -41.3 23.85
LAB*LABa 39.76 -41.3 23.85
LAB*TCHa 50.0 47.7 150.0

relative CIELAB lab*
lab*lab 0.583 -0.432 0.25
lab*tch 0.625 0.25 0.417
lab*nch 0.0 0.25 0.417
relative Natural Colour (NC)
lab*trj 0.583 -0.48 0.136
lab*tce 0.625 0.25 0.456
lab*nce 0.0 0.25 0.828

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 15.92 -41.29 23.85
LAB*LABa 15.92 -41.29 23.85
LAB*TCHa 25.01 47.69 150.0

relative CIELAB lab*
lab*lab 0.417 -0.432 0.25
lab*tch 0.456 0.25 0.417
lab*nch 0.0 0.25 0.417
relative Natural Colour (NC)
lab*trj 0.417 -0.48 0.136
lab*tce 0.456 0.25 0.456
lab*nce 0.0 0.25 0.828

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 3.21 33.5 19.35
LAB*LABa 3.21 -33.5 19.35
LAB*TCHa 2.5 38.69 150.0

relative CIELAB lab*
lab*lab 0.167 -0.432 0.25
lab*tch 0.25 0.5 0.417
lab*nch 0.5 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.167 -0.48 0.136
lab*tce 0.25 0.5 0.456
lab*nce 0.5 0.5 0.828

$n^* = 0,50$

blackness n^*

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

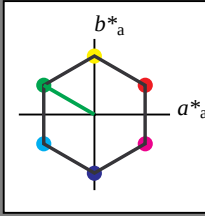
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.0 \ 0.5 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.5 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.61 \ 33.5 \ 19.35$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.833 \ -0.215 \ 0.125$
 $lab^*tch \ 0.875 \ 0.25 \ 0.417$
 $lab^*nch \ 0.0 \ 0.5 \ 0.417$
 relative Natural Colour (NC)
 $lab^*trj \ 0.833 \ -0.24 \ 0.068$
 $lab^*tce \ 0.25 \ 0.25 \ 0.456$
 $lab^*nce \ 0.0 \ 0.25 \ 0.828$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.5 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.25 \ 0.75 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.5 \ 0.75$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.5 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 50.26 \ -33.5 \ 19.35$
 $LAB^*TCha \ 50.0 \ 38.7 \ 150.0$

relative CIELAB lab*
 $lab^*lab \ 0.583 \ -0.648 \ 0.375$
 $lab^*tch \ 0.625 \ 0.25 \ 0.417$
 $lab^*nch \ 0.0 \ 0.75 \ 0.417$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ -0.721 \ 0.203$
 $lab^*tce \ 0.625 \ 0.25 \ 0.456$
 $lab^*nce \ 0.0 \ 0.75 \ 0.828$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.75 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.25 \ 1.0 \ (0.0)$
 $olvi4^* \ 0.25 \ 1.0 \ 0.25 \ 0.75$
 $cmyn4^* \ 0.75 \ 0.0 \ 0.75 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ -50.26 \ 29.02$
 $LAB^*TCha \ 37.51 \ 58.04 \ 150.0$

relative CIELAB lab*
 $lab^*lab \ 0.333 \ -0.865 \ 0.5$
 $lab^*tch \ 0.375 \ 0.25 \ 0.417$
 $lab^*nch \ 0.0 \ 1.0 \ 0.417$
 relative Natural Colour (NC)
 $lab^*trj \ 0.333 \ -0.961 \ 0.271$
 $lab^*tce \ 0.5 \ 1.0 \ 0.456$
 $lab^*nce \ 0.0 \ 1.0 \ 0.828$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.5 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.0 \ 0.5 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.5 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 30.92 \ 33.5 \ 19.35$
 $LAB^*TCha \ 25.01 \ 38.69 \ 150.0$

relative CIELAB lab*
 $lab^*lab \ 0.167 \ -0.432 \ 0.25$
 $lab^*tch \ 0.25 \ 0.5 \ 0.417$
 $lab^*nch \ 0.5 \ 0.5 \ 0.417$
 relative Natural Colour (NC)
 $lab^*trj \ 0.167 \ -0.48 \ 0.136$
 $lab^*tce \ 0.25 \ 0.5 \ 0.456$
 $lab^*nce \ 0.5 \ 0.5 \ 0.828$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

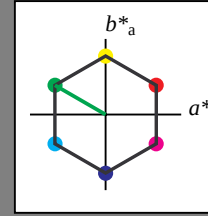
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

blackness n^*

chromaticness c^*

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 1.0 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.0 \ 0.75 \ (0.0)$
 $olvi4^* \ 0.75 \ 1.0 \ 0.75 \ (1.0)$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.25 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.61 \ 33.5 \ 19.35$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.833 \ -0.215 \ 0.125$
 $lab^*tch \ 0.875 \ 0.25 \ 0.417$
 $lab^*nch \ 0.0 \ 0.5 \ 0.417$
 relative Natural Colour (NC)
 $lab^*trj \ 0.833 \ -0.24 \ 0.068$
 $lab^*tce \ 0.25 \ 0.25 \ 0.456$
 $lab^*nce \ 0.0 \ 0.25 \ 0.828$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.75 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.5 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.5 \ 0.75$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.25 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 50.26 \ -33.5 \ 19.35$
 $LAB^*TCha \ 50.0 \ 38.7 \ 150.0$

relative CIELAB lab*
 $lab^*lab \ 0.583 \ -0.648 \ 0.375$
 $lab^*tch \ 0.625 \ 0.25 \ 0.417$
 $lab^*nch \ 0.0 \ 0.75 \ 0.417$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ -0.721 \ 0.203$
 $lab^*tce \ 0.625 \ 0.25 \ 0.456$
 $lab^*nce \ 0.0 \ 0.75 \ 0.828$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.5 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.25 \ 0.75 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.5 \ 0.75$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.5 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ -50.26 \ 29.02$
 $LAB^*TCha \ 37.51 \ 58.04 \ 150.0$

relative CIELAB lab*
 $lab^*lab \ 0.333 \ -0.865 \ 0.5$
 $lab^*tch \ 0.375 \ 0.25 \ 0.417$
 $lab^*nch \ 0.0 \ 1.0 \ 0.417$
 relative Natural Colour (NC)
 $lab^*trj \ 0.333 \ -0.961 \ 0.271$
 $lab^*tce \ 0.5 \ 1.0 \ 0.456$
 $lab^*nce \ 0.0 \ 1.0 \ 0.828$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.75 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.25 \ 1.0 \ (0.0)$
 $olvi4^* \ 0.25 \ 1.0 \ 0.25 \ 0.75$
 $cmyn4^* \ 0.75 \ 0.0 \ 0.75 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 30.92 \ 33.5 \ 19.35$
 $LAB^*TCha \ 25.01 \ 38.69 \ 150.0$

relative CIELAB lab*
 $lab^*lab \ 0.167 \ -0.432 \ 0.25$
 $lab^*tch \ 0.25 \ 0.5 \ 0.417$
 $lab^*nch \ 0.5 \ 0.5 \ 0.417$
 relative Natural Colour (NC)
 $lab^*trj \ 0.167 \ -0.48 \ 0.136$
 $lab^*tce \ 0.25 \ 0.5 \ 0.456$
 $lab^*nce \ 0.5 \ 0.5 \ 0.828$

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

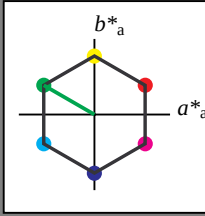
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	76.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	75.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	56.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	50.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	37.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	25.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	18.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	0.01	-	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

$g^*_{H,rel} = 100$

relative Inform. Technology (IT)									
olvi3*	0.75	1.0	0.75	1.0	0.75	1.0	0.75	1.0	0.75
cmyn3*	0.25	0.0	0.25	0.0	0.25	0.0	0.25	0.0	0.25
olvi4*	0.75	1.0	0.75	1.0	0.75	1.0	0.75	1.0	0.75
cmyn4*	0.25	0.0	0.25	0.0	0.25	0.0	0.25	0.0	0.25
standard and adapted CIELAB									
LAB*LAB	62.5	16.74	9.67	16.74	9.67	16.74	9.67	16.74	9.67
LAB*LABa	62.5	16.74	9.67	16.74	9.67	16.74	9.67	16.74	9.67
LAB*TCHa	87.5	19.34	15.00	19.34	15.00	19.34	15.00	15.00	15.00
relative CIELAB lab*									
lab*lab	0.833	-0.215	0.125	-0.215	0.125	0.833	-0.215	0.125	-0.215
lab*tch	0.833	0.25	0.417	0.25	0.417	0.833	0.25	0.417	0.25
lab*nch	0.0	0.25	0.417	0.0	0.25	0.417	0.0	0.25	0.417
relative Natural Colour (NC)									
lab*trj	0.833	-0.24	0.068	-0.24	0.068	0.833	-0.24	0.068	-0.24
lab*tce	0.25	0.25	0.456	0.25	0.456	0.25	0.25	0.456	0.25
lab*nce	0.0	0.25	0.828	0.0	0.25	0.828	0.0	0.25	0.828

relative Inform. Technology (IT)									
olvi3*	0.5	0.75	0.5	0.75	0.5	0.75	0.5	0.75	0.5
cmyn3*	0.5	0.25	0.5	0.25	0.5	0.25	0.5	0.25	0.5
olvi4*	0.75	1.0	0.75	1.0	0.75	1.0	0.75	1.0	0.75
cmyn4*	0.25	0.0	0.25	0.0	0.25	0.0	0.25	0.0	0.25
standard and adapted CIELAB									
LAB*LAB	63.16	16.75	9.68	16.75	9.68	63.16	16.75	9.68	16.75
LAB*LABa	63.16	16.75	9.68	16.75	9.68	63.16	16.75	9.68	16.75
LAB*TCHa	87.5	19.35	15.00	19.35	15.00	87.5	19.35	15.00	15.00
relative CIELAB lab*									
lab*lab	0.583	-0.216	0.125	-0.216	0.125	0.583	-0.216	0.125	-0.216
lab*tch	0.625	0.25	0.417	0.25	0.417	0.625	0.25	0.417	0.25
lab*nch	0.25	0.25	0.417	0.25	0.417	0.25	0.25	0.417	0.25
relative Natural Colour (NC)									
lab*trj	0.583	-0.24	0.068	-0.24	0.068	0.583	-0.24	0.068	-0.24
lab*tce	0.625	0.25	0.456	0.25	0.456	0.625	0.25	0.456	0.25
lab*nce	0.25	0.25	0.828	0.25	0.828	0.25	0.25	0.828	0.25

LAB*LAB	43.81	16.75	9.68
LAB*TCiBa	37.51	19.35	15.00
relative CIELAB (a*)			
lab*lab	0.333	-0.216	0.125
lab*tc	0.375	0.25	0.417
lab*nch	0.5	0.25	0.417
relative Natural Colour (NC)			
lab*lrj	0.333	-0.24	0.068
lab*tc	0.375	0.25	0.456
lab*nCe	0.5	0.25	0.826
relative Inform. Technology (IT)			
olvi3*	0.0	0.25	0.0
olvi3*	1.0	0.75	1.0
olvi4*	0.75	1.0	0.75
cmyn4*	0.25	0.0	0.25
standard and adapted CIELAB			
LAB*LAB	24.47	-16.74	9.67

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

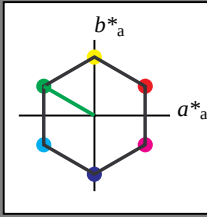
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.51	16.74	9.67	
LAB*LABa	82.51	16.74	9.67	
LAB*TCa	87.5	19.34	15.00	
relative CIELAB lab*				
lab*lab	0.833	-0.215	0.125	
lab*tch	0.875	0.25	0.417	
lab*nch	0.0	0.25	0.417	
relative Natural Colour (NC)				
lab*trj	0.833	-0.24	0.068	
lab*tce	0.25	0.25	0.456	
lab*nce	0.0	0.25	0.828	

relative Inform. Technology (IT)				
olvi3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	63.16	16.75	9.68	
LAB*LABa	63.16	16.75	9.68	
LAB*TCa	62.5	19.35	15.00	
relative CIELAB lab*				
lab*lab	0.583	-0.216	0.125	
lab*tch	0.625	0.25	0.417	
lab*nch	0.25	0.25	0.417	
relative Natural Colour (NC)				
lab*trj	0.583	-0.24	0.068	
lab*tce	0.625	0.25	0.456	
lab*nce	0.25	0.25	0.828	

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.5	0.75	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	43.81	16.75	9.68	
LAB*LABa	43.81	16.75	9.68	
LAB*TCa	37.5	19.35	15.00	
relative CIELAB lab*				
lab*lab	0.333	-0.216	0.125	
lab*tch	0.375	0.25	0.417	
lab*nch	0.25	0.25	0.417	
relative Natural Colour (NC)				
lab*trj	0.333	-0.24	0.068	
lab*tce	0.375	0.25	0.456	
lab*nce	0.25	0.25	0.828	

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.75	1.0	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	24.47	16.74	9.67	
LAB*LABa	24.47	16.74	9.67	
LAB*TCa	12.5	19.34	15.00	
relative CIELAB lab*				
lab*lab	0.083	-0.215	0.125	
lab*tch	0.125	0.25	0.417	
lab*nch	0.75	0.25	0.417	
relative Natural Colour (NC)				
lab*trj	0.083	-0.24	0.068	
lab*tce	0.125	0.25	0.456	
lab*nce	0.75	0.25	0.828	

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.61	33.5	19.35	
LAB*LABa	69.61	33.5	19.35	
LAB*TCa	75.0	38.7	15.00	
relative CIELAB lab*				
lab*lab	0.667	-0.432	0.25	
lab*tch	0.75	0.5	0.417	
lab*nch	0.0	0.5	0.417	
relative Natural Colour (NC)				
lab*trj	0.667	-0.48	0.136	
lab*tce	0.5	0.5	0.456	
lab*nce	0.0	0.5	0.828	

relative Inform. Technology (IT)				
olvi3*	0.25	1.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	0.25	1.0	0.25	(1.0)
cmyn4*	0.75	0.0	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	50.26	29.02	
LAB*LABa	56.71	50.26	29.02	
LAB*TCa	62.5	58.04	15.00	
relative CIELAB lab*				
lab*lab	0.5	-0.648	0.375	
lab*tch	0.625	0.75	0.417	
lab*nch	0.0	0.75	0.417	
relative Natural Colour (NC)				
lab*trj	0.5	-0.721	0.203	
lab*tce	0.625	0.75	0.456	
lab*nce	0.0	0.75	0.828	

relative Inform. Technology (IT)				
olvi3*	0.0	0.75	0.0	(1.0)
cmyn3*	1.0	0.25	1.0	(0.0)
olvi4*	0.25	1.0	0.25	(1.0)
cmyn4*	0.75	0.0	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	50.26	29.02	
LAB*LABa	37.37	50.26	29.02	
LAB*TCa	37.5	58.04	15.00	
relative CIELAB lab*				
lab*lab	0.25	-0.648	0.375	
lab*tch	0.375	0.75	0.417	
lab*nch	0.25	0.75	0.417	
relative Natural Colour (NC)				
lab*trj	0.25	-0.721	0.203	
lab*tce	0.375	0.75	0.456	
lab*nce	0.25	0.75	0.828	

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	30.92	33.5	19.35	
LAB*LABa	30.92	33.5	19.35	
LAB*TCa	25.01	38.69	15.00	
relative CIELAB lab*				
lab*lab	0.167	-0.432	0.25	
lab*tch	0.25	0.5	0.417	
lab*nch	0.5	0.5	0.417	
relative Natural Colour (NC)				
lab*trj	0.167	-0.48	0.136	
lab*tce	0.25	0.5	0.456	
lab*nce	0.5	0.5	0.828	

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.25	1.0	(0.0)
olvi4*	0.25	1.0	0.25	(1.0)
cmyn4*	0.75	0.0	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	33.5	19.35	
LAB*LABa	18.03	33.5	19.35	
LAB*TCa	0.01	38.69	15.00	
relative CIELAB lab*				
lab*lab	0.0	-0.432	0.25	
lab*tch	0.0	0.25	0.417	
lab*nch	1.0	0.25	0.417	
relative Natural Colour (NC)				
lab*trj	0.0	-0.48	0.136	
lab*tce	0.0	0.25	0.456	
lab*nce	1.0	0.25	0.828	

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

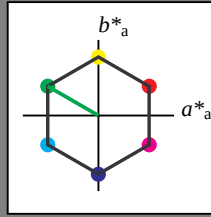
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)									
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCa	99.99	0.01	-	-	-	-	-	-	-

relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB									
LAB*LAB	76.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCa	75.0	0.01	-	-	-	-	-	-	-

relative CIELAB lab*									
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.75	0.75	0.75	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB									
LAB*LAB	56.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCa	55.0	0.01	-	-	-	-	-	-	-

relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)									
olvi3*	0.5	1.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	0.5	1.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB									
LAB*LAB	76.71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.06	-33.5	19.35	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCa	75.0	0.01	-	-	-	-	-	-	-

relative CIELAB lab*									
lab*lab	0.875	0.25	0.417	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.875	0.25	0.417	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.25	0.417	0.0	0.0	0.0	0.0	0.0	0.0

relative Natural Colour (NC)									
lab*trj	0.875	0.25	0.417	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.25	0.417	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.25	0.417	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.75	0.25	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.75	0.25	0.75	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	0.5	1.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB									
LAB*LAB	56.71	-33.5	19.35	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	56.71	-33.5	19.35	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCa	50.0	38.7	150.0	0.0	0.0	0.0	0.0	0.0	0.0

relative CIELAB lab*									
lab*lab	0.5	-0.432	0.25	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	-0.432	0.25	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.5	0.417	0.0	0.0	0.0	0.0	0.0	0.0

relative Natural Colour (NC)									
lab*trj	0.5	-0.48	0.136	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.5	0.456	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.5	0.456	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.5	0.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	0.5	1.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB									
LAB*LAB	37.36	-33.5	19.35	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	37.36	-33.5	19.35	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCa	37.5	58.04	150.0	0.0	0.0	0.0	0.0	0.0	0.0

$n^* = 0,50$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

$n^* = 5,25$

$n^* = 5,50$

$n^* = 5,75$

$n^* = 6,00$

$n^* = 6,25$

$n^* = 6,50$

$n^* = 6,75$

$n^* = 7,00$

$n^* = 7,25$

$n^* = 7,50$

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

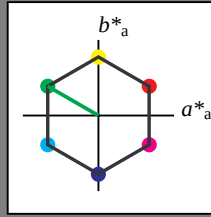
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.71	0.0	0.0
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.01	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	0.0

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.06	-33.5	19.35
LAB*LABb	75.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	-0.432	0.25
lab*tch	0.75	0.5	0.417
lab*nch	0.0	0.5	0.417

relative Natural Colour (NC)

lab*trj	0.75	-0.48	0.136
lab*tce	0.25	0.5	0.456
lab*nce	0.0	0.5	0.456

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.25	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	0.5	1.0	0.5	0.75
cmyn4*	0.5	0.0	0.5	0.25

standard and adapted CIELAB

LAB*LAB	56.71	-33.5	19.35
LAB*LABa	56.71	-33.5	19.35
LAB*LABb	50.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	-0.432	0.25
lab*tch	0.5	0.5	0.417
lab*nch	0.0	0.5	0.417

relative Natural Colour (NC)

lab*trj	0.5	-0.48	0.136
lab*tce	0.5	0.5	0.456
lab*nce	0.25	0.5	0.456

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.5	1.0	0.5	0.5
cmyn4*	0.5	0.0	0.5	0.5

standard and adapted CIELAB

LAB*LAB	37.36	-33.5	19.35
LAB*LABa	37.36	-33.5	19.35
LAB*LABb	25.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	-0.432	0.25
lab*tch	0.25	0.5	0.417
lab*nch	0.0	0.5	0.417

relative Natural Colour (NC)

lab*trj	0.25	-0.48	0.136
lab*tce	0.25	0.5	0.456
lab*nce	0.0	0.5	0.456

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.25	1.0	(0.0)
olvi4*	0.75	1.0	0.75	0.25
cmyn4*	0.25	0.0	0.25	0.75

standard and adapted CIELAB

LAB*LAB	27.69	-16.74	9.67
LAB*LABa	27.69	-16.74	9.67
LAB*LABb	12.5	19.34	15.00

relative CIELAB lab*

lab*lab	0.125	-0.215	0.125
lab*tch	0.125	0.25	0.417
lab*nch	0.75	0.25	0.417

relative Natural Colour (NC)

lab*trj	0.125	-0.24	0.068
lab*tce	0.125	0.25	0.456
lab*nce	0.75	0.25	0.456

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 158/360 = 0.439$

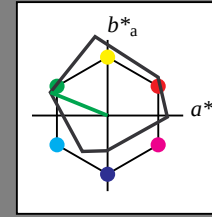
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.31	-0.11	2.58
LAB*LABa	96.31	-0.11	2.58
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	-0.44	2.45
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	-0.76	2.32
LAB*LABb	50.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	-1.09	2.19
LAB*LABb	25.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	-1.41	2.06
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

chromaticness c^*

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

5 step scales for constant CIELAB hue $137/360 = 0.38$ (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

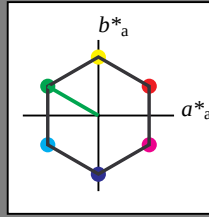
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 150/360 = 0.417$

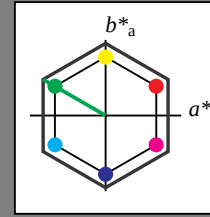
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 32 95 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

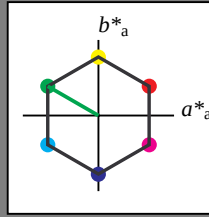
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCa 0.01 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.06 -33.5 19.35
LAB*TCa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 -0.432 0.25
lab*tch 0.75 0.0 0.417
lab*nch 0.0 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.5 -0.48 0.136
lab*tce 0.5 0.5 0.456
lab*nce 0.0 0.5 0.828

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 56.71 -33.5 19.35
LAB*LABa 56.71 -33.5 19.35
LAB*TCa 50.0 38.7 150.0

relative CIELAB lab*
lab*lab 0.5 -0.432 0.25
lab*tch 0.5 0.5 0.417
lab*nch 0.0 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.5 -0.48 0.136
lab*tce 0.5 0.5 0.456
lab*nce 0.0 0.5 0.828

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olvi4* 0.5 1.0 0.5 0.417
cmyn4* 0.5 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 37.36 -33.5 19.35
LAB*LABa 37.36 -33.5 19.35
LAB*TCa 25.01 38.69 150.0

relative CIELAB lab*
lab*lab 0.5 -0.432 0.25
lab*tch 0.5 0.5 0.417
lab*nch 0.0 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.5 -0.48 0.136
lab*tce 0.5 0.5 0.456
lab*nce 0.0 0.5 0.828

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.75 1.0 (0.0)
olvi4* 0.5 1.0 0.5 0.417
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 27.69 -16.74 9.67
LAB*LABa 27.69 -16.74 9.67
LAB*TCa 12.5 19.34 150.0

relative CIELAB lab*
lab*lab 0.125 -0.215 0.125
lab*tch 0.125 0.25 0.417
lab*nch 0.75 0.25 0.417
relative Natural Colour (NC)
lab*trj 0.125 -0.24 0.068
lab*tce 0.125 0.25 0.456
lab*nce 0.75 0.25 0.828

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCa 0.01 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 0,50$

chromaticness c^*

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

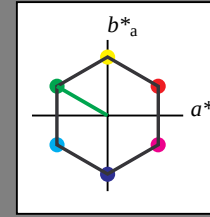
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 44 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.71 -67.01 38.69
LAB*TCa 50.0 77.38 150.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCa 0.01 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 82.51 -16.74 9.67
LAB*LABa 82.51 -16.74 9.67
LAB*TCa 87.5 19.34 150.0

relative CIELAB lab*
lab*lab 0.833 -0.215 0.125
lab*tch 0.875 0.25 0.417
lab*nch 0.0 0.25 0.417
relative Natural Colour (NC)
lab*trj 0.833 -0.24 0.068
lab*tce 0.875 0.25 0.456
lab*nce 0.0 0.25 0.828

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 0.25
standard and adapted CIELAB
LAB*LAB 69.61 -33.5 19.35
LAB*LABa 69.61 -33.5 19.35
LAB*TCa 75.0 38.69 150.0

relative CIELAB lab*
lab*lab 0.667 -0.432 0.25
lab*tch 0.75 0.5 0.417
lab*nch 0.0 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.667 -0.48 0.136
lab*tce 0.75 0.5 0.456
lab*nce 0.0 0.5 0.828

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 50.26 -33.5 19.35
LAB*LABa 50.26 -33.5 19.35
LAB*TCa 50.0 38.7 150.0

relative CIELAB lab*
lab*lab 0.417 -0.432 0.25
lab*tch 0.5 0.5 0.417
lab*nch 0.25 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.417 -0.48 0.136
lab*tce 0.5 0.5 0.456
lab*nce 0.25 0.5 0.828

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olvi4* 0.5 1.0 0.5 0.417
cmyn4* 0.5 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 30.92 -33.5 19.35
LAB*LABa 30.92 -33.5 19.35
LAB*TCa 25.01 38.69 150.0

relative CIELAB lab*
lab*lab 0.167 -0.432 0.25
lab*tch 0.167 0.25 0.417
lab*nch 0.5 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.167 -0.48 0.136
lab*tce 0.25 0.5 0.456
lab*nce 0.5 0.5 0.828

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCa 0.01 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 0,50$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.06 -33.5 19.35
LAB*TCa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 -0.432 0.25
lab*tch 0.75 0.0 0.417
lab*nch 0.0 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.5 -0.48 0.136
lab*tce 0.5 0.5 0.456
lab*nce 0.0 0.5 0.828

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 56.71 -33.5 19.35
LAB*LABa 56.71 -33.5 19.35
LAB*TCa 50.0 38.7 150.0

relative CIELAB lab*
lab*lab 0.5 -0.432 0.25
lab*tch 0.5 0.5 0.417
lab*nch 0.0 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.5 -0.48 0.136
lab*tce 0.5 0.5 0.456
lab*nce 0.0 0.5 0.828

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olvi4* 0.5 1.0 0.5 0.417
cmyn4* 0.5 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 37.36 -33.5 19.35
LAB*LABa 37.36 -33.5 19.35
LAB*TCa 25.01 38.69 150.0

relative CIELAB lab*
lab*lab 0.5 -0.432 0.25
lab*tch 0.5 0.5 0.417
lab*nch 0.0 0.5 0.417
relative Natural Colour (NC)
lab*trj 0.5 -0.48 0.136
lab*tce 0.5 0.5 0.456
lab*nce 0.0 0.5 0.828

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.75 1.0 (0.0)
olvi4* 0.5 1.0 0.5 0.417
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 27.69 -16.74 9.67
LAB*LABa 27.69 -16.74 9.67
LAB*TCa 12.5 19.34 150.0

relative CIELAB lab*
lab*lab 0.125 -0.215 0.125
lab*tch 0.125 0.25 0.417
lab*nch 0.75 0.25 0.417
relative Natural Colour (NC)
lab*trj 0.125 -0.24 0.068
lab*tce 0.125 0.25 0.456
lab*nce 0.75 0.25 0.828

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCa 0.01 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 0,25$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

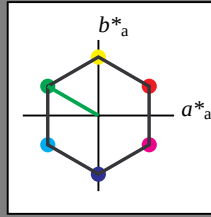
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.71 \ 67.03 \ 38.7$
 $LAB^*LABa \ 56.71 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*LABa \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.71 \ 67.03 \ 38.7$
 $LAB^*LABa \ 56.71 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*LABa \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.0 \ 0.5 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*LABa \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.5 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.25 \ 0.75 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.71 \ 67.03 \ 38.7$
 $LAB^*LABa \ 56.71 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.5 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.5 \ 1.0 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*LABa \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

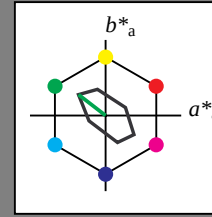
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 88.98 \ 0.0 \ 0.0$
 $LAB^*LABa \ 88.98 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 66.38 \ 0.0 \ 0.0$
 $LAB^*LABa \ 66.38 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*LABa \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	76.43	26.27	10.57	28.32	22
YMa	93.93	-10.76	34.63	36.27	107
LMa	89.32	-35.8	27.64	45.24	142
CMa	90.93	-21.95	-7.07	23.07	198
VMa	72.1	15.76	-35.63	38.97	294
MMa	78.5	37.52	-25.23	45.22	326
NMa	69.7	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.0 \ 0.5 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 92.36 \ 0.0 \ 0.0$
 $LAB^*LABa \ 92.36 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.881 \ -0.395 \ 0.305$
 $lab^*tch \ 0.75 \ 0.0 \ 0.395$
 $lab^*nch \ 0.0 \ 0.5 \ 0.395$
 relative Natural Colour (NC)
 $lab^*trj \ 0.881 \ -0.45 \ 0.395$
 $lab^*tce \ 0.0 \ 0.5 \ 0.429$
 $lab^*nce \ 0.0 \ 0.5 \ 0.718$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.5 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.25 \ 0.75 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 85.94 \ 0.0 \ 0.0$
 $LAB^*LABa \ 85.94 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.632 \ -0.395 \ 0.306$
 $lab^*tch \ 0.632 \ 0.0 \ 0.395$
 $lab^*nch \ 0.0 \ 0.5 \ 0.395$
 relative Natural Colour (NC)
 $lab^*trj \ 0.632 \ -0.45 \ 0.395$
 $lab^*tce \ 0.0 \ 0.5 \ 0.429$
 $lab^*nce \ 0.0 \ 0.5 \ 0.718$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.5 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.5 \ 1.0 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.7 \ 0.0 \ 0.0$
 $LAB^*LABa \ 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.382 \ -0.395 \ 0.305$
 $lab^*tch \ 0.25 \ 0.0 \ 0.395$
 $lab^*nch \ 0.0 \ 0.5 \ 0.395$
 relative Natural Colour (NC)
 $lab^*trj \ 0.382 \ -0.45 \ 0.395$
 $lab^*tce \ 0.0 \ 0.5 \ 0.429$
 $lab^*nce \ 0.0 \ 0.5 \ 0.718$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $$

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

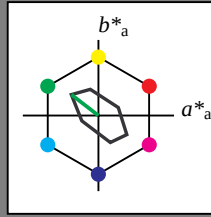
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	88.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.881	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.941	0.224	0.108	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.75	0.25	0.429	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.25	0.1718	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	82.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	82.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	76.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

$u^*_{rel} = 16$

relative Inform. Technology (IT)									
olvi3*	0.75	1.0	0.75	1.0	0.75	1.0	0.75	1.0	0.75
cmyn3*	0.25	0.0	0.25	0.0	0.25	0.0	0.25	0.0	0.25
olvi4*	0.75	1.0	0.75	1.0	0.75	1.0	0.75	1.0	0.75
cmyn4*	0.25	0.0	0.25	0.0	0.25	0.0	0.25	0.0	0.25
standard and adapted CIELAB									
LAB*LAB	93.89	-8.94	8.91	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	93.89	-8.94	8.91	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.941	-0.197	0.153	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.875	0.25	0.395	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.25	0.395	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.941	-0.224	0.108	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.875	0.25	0.429	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.25	0.1718	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.75	0.5	1.0	0.5	0.75	0.5	1.0	0.5
cmyn3*	0.5	0.25	0.5	0.0	0.5	0.25	0.5	0.0	0.5
olvi4*	0.75	1.0	0.75	0.5	0.75	1.0	0.75	0.5	0.75
cmyn4*	0.25	0.0	0.25	0.5	0.25	0.0	0.25	0.5	0.25
standard and adapted CIELAB									
LAB*LAB	87.46	-8.94	8.91	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	87.46	-8.94	8.91	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.691	-0.197	0.153	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.625	0.25	0.395	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.25	0.25	0.395	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.691	-0.224	0.108	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.625	0.25	0.429	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.25	0.1718	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.5	0.75	(1.0)
olvi4*	0.75	1.0	0.75	0.5
cmyn4*	0.25	0.0	0.25	0.5
standard and adapted CIELAB				
LAB*LAB	81.03	-8.94	6.91	
LAB*Lab _a	81.03	-8.94	6.91	
LAB*TCh _a	37.5	11.31	142.34	
relative CIELAB lab*				
lab*lab	0.441	-0.197	0.153	
lab*tch	0.375	0.25	0.395	
lab*nch	0.5	0.25	0.395	
relative Natural Colour (NC)				
lab*trj	0.441	-0.224	0.108	
lab*trc	0.375	0.25	0.429	
lab*trF	0.5	0.25	0.429	

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

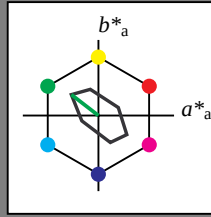
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

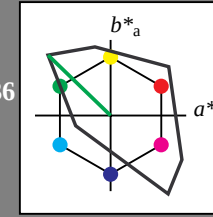
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
 $olvi3^* = 1.0, 1.0, 1.0$
 $cmyn3^* = 0.0, 0.0, 0.0$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41, 0.0, 0.0$
 $LAB^*TCh = 99.99, 0.0, -$

relative CIELAB lab*
 $lab^*lab = 1.0, 0.0, 0.0$
 $lab^*tch = 1.0, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 1.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.0, 0.0, -$

relative Inform. Technology (IT)
 $olvi3^* = 0.75, 0.75, 0.75$
 $cmyn3^* = 0.25, 0.25, 0.25$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 88.98, 0.0, 0.0$
 $LAB^*TCh = 75.0, 0.0, -$

relative CIELAB lab*
 $lab^*lab = 0.881, -0.197, 0.153$
 $lab^*tch = 0.875, 0.25, 0.395$
 $lab^*nch = 0.0, 0.25, 0.395$
 relative Natural Colour (NC)
 $lab^*trj = 0.941, -0.224, 0.108$
 $lab^*tce = 0.875, 0.25, 0.429$
 $lab^*nce = 0.0, 0.25, 0.718$

relative Inform. Technology (IT)
 $olvi3^* = 0.5, 0.5, 0.5$
 $cmyn3^* = 0.5, 0.5, 0.5$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 82.54, 0.0, 0.0$
 $LAB^*TCh = 50.0, 0.0, -$

relative CIELAB lab*
 $lab^*lab = 0.691, -0.197, 0.153$
 $lab^*tch = 0.625, 0.25, 0.395$
 $lab^*nch = 0.0, 0.25, 0.395$
 relative Natural Colour (NC)
 $lab^*trj = 0.691, -0.224, 0.108$
 $lab^*tce = 0.625, 0.25, 0.429$
 $lab^*nce = 0.0, 0.25, 0.718$

relative Inform. Technology (IT)
 $olvi3^* = 0.25, 0.25, 0.25$
 $cmyn3^* = 0.75, 0.75, 0.75$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.75$
 standard and adapted CIELAB
 $LAB^*LAB = 76.13, 0.0, 0.0$
 $LAB^*TCh = 25.0, 0.0, -$

relative CIELAB lab*
 $lab^*lab = 0.441, -0.197, 0.153$
 $lab^*tch = 0.375, 0.25, 0.395$
 $lab^*nch = 0.0, 0.25, 0.395$
 relative Natural Colour (NC)
 $lab^*trj = 0.441, -0.224, 0.108$
 $lab^*tce = 0.375, 0.25, 0.429$
 $lab^*nce = 0.0, 0.25, 0.718$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.0, 0.0$
 $cmyn3^* = 1.0, 1.0, 1.0$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 69.7, 0.0, 0.0$
 $LAB^*TCh = 0.0, 0.0, -$

relative CIELAB lab*
 $lab^*lab = 0.0, 0.0, 0.0$
 $lab^*tch = 0.0, 0.0, 0.0$
 $lab^*nch = 0.0, 0.0, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, 0.0$
 $lab^*nce = 0.0, 0.0, 0.0$

$n^* = 1,0$

relative Inform. Technology (IT)
 $olvi3^* = 0.5, 0.5, 0.5$
 $cmyn3^* = 0.5, 0.5, 0.5$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.5, 0.5, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 89.32, -17.89, 13.82$
 $LAB^*TCh = 75.0, -2.61, 142.34$

relative CIELAB lab*
 $lab^*lab = 0.881, -0.395, 0.305$
 $lab^*tch = 0.875, 0.5, 0.395$
 $lab^*nch = 0.0, 0.5, 0.395$
 relative Natural Colour (NC)
 $lab^*trj = 0.881, -0.45, 0.216$
 $lab^*tce = 0.875, 0.5, 0.429$
 $lab^*nce = 0.0, 0.5, 0.718$

relative Inform. Technology (IT)
 $olvi3^* = 0.25, 0.25, 0.25$
 $cmyn3^* = 0.75, 0.75, 0.75$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.5, 0.5, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 85.94, -17.9, 13.82$
 $LAB^*TCh = 50.0, 22.62, 142.34$

relative CIELAB lab*
 $lab^*lab = 0.632, -0.395, 0.306$
 $lab^*tch = 0.625, 0.5, 0.395$
 $lab^*nch = 0.0, 0.5, 0.395$
 relative Natural Colour (NC)
 $lab^*trj = 0.632, -0.45, 0.216$
 $lab^*tce = 0.625, 0.5, 0.429$
 $lab^*nce = 0.0, 0.5, 0.718$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.0, 0.0$
 $cmyn3^* = 1.0, 1.0, 1.0$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.5, 0.5, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 89.32, -35.79, 27.63$
 $LAB^*TCh = 50.0, 45.23, 142.34$

relative CIELAB lab*
 $lab^*lab = 0.763, -0.79, 0.611$
 $lab^*tch = 0.5, 1.0, 0.395$
 $lab^*nch = 0.0, 1.0, 0.395$
 relative Natural Colour (NC)
 $lab^*trj = 0.763, -0.91, 0.432$
 $lab^*tce = 0.5, 1.0, 0.429$
 $lab^*nce = 0.0, 1.0, 0.718$

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

1,00

relative Inform. Technology (IT)
 $olvi3^* = 1.0, 1.0, 1.0$
 $cmyn3^* = 0.0, 0.0, 0.0$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41, 0.0, 0.0$
 $LAB^*TCh = 99.99, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 1.0, 0.0, 0.0$
 $lab^*tch = 1.0, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 1.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.0, 0.0, -$

relative Inform. Technology (IT)
 $olvi3^* = 0.75, 0.75, 0.75$
 $cmyn3^* = 0.25, 0.25, 0.25$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 71.57, 0.0, 0.0$
 $LAB^*TCh = 75.0, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.75, 0.0, 0.0$
 $lab^*tch = 0.75, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.75, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.0, 0.0, -$

relative Inform. Technology (IT)
 $olvi3^* = 0.5, 0.5, 0.5$
 $cmyn3^* = 0.5, 0.5, 0.5$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 47.72, 0.0, 0.0$
 $LAB^*TCh = 50.0, 0.0, -$

relative CIELAB lab*
 $lab^*lab = 0.5, 0.0, 0.0$
 $lab^*tch = 0.5, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.5, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.0, 0.0, -$

relative Inform. Technology (IT)
 $olvi3^* = 0.25, 0.25, 0.25$
 $cmyn3^* = 0.75, 0.75, 0.75$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.75$
 standard and adapted CIELAB
 $LAB^*LAB = 23.87, 0.0, 0.0$
 $LAB^*TCh = 25.0, 0.0, -$

relative CIELAB lab*
 $lab^*lab = 0.25, 0.0, 0.0$
 $lab^*tch = 0.25, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.25, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.0, 0.0, -$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.0, 0.0$
 $cmyn3^* = 1.0, 1.0, 1.0$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 0.03, 0.0, 0.0$
 $LAB^*TCh = 0.01, 0.0, 0.0$

relative CIELAB lab*
 $lab^*lab = 0.0, 0.0, 0.0$
 $lab^*tch = 0.0, 0.0, 0.0$
 $lab^*nch = 0.0, 0.0, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, 0.0$
 $lab^*nce = 0.0, 0.0, 0.0$

$n^* = 1,0$

relative Inform. Technology (IT)
 $olvi3^* = 1.0, 1.0, 1.0$
 $cmyn3^* = 0.0, 0.0, 0.0$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41, 0.0, 0.0$
 $LAB^*TCh = 99.99, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 1.0, 0.0, 0.0$
 $lab^*tch = 1.0, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 1.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.0, 0.0, -$

relative Inform. Technology (IT)
 $olvi3^* = 0.75, 0.75, 0.75$
 $cmyn3^* = 0.25, 0.25, 0.25$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 89.32, -17.89, 13.82$
 $LAB^*TCh = 75.0, -2.61, 142.34$

relative CIELAB lab*
 $lab^*lab = 0.881, -0.395, 0.305$
 $lab^*tch = 0.875, 0.5, 0.395$
 $lab^*nch = 0.0, 0.5, 0.395$
 relative Natural Colour (NC)
 $lab^*trj = 0.881, -0.45, 0.216$
 $lab^*tce = 0.875, 0.5, 0.429$
 $lab^*nce = 0.0, 0.5, 0.718$

relative Inform. Technology (IT)
 $olvi3^* = 0.5, 0.5, 0.5$
 $cmyn3^* = 0.5, 0.5, 0.5$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 85.94, -17.9, 13.82$
 $LAB^*TCh = 50.0, 22.62, 142.34$

relative CIELAB lab*
 $lab^*lab = 0.632, -0.395, 0.306$
 $lab^*tch = 0.625, 0.5, 0.395$
 $lab^*nch = 0.0, 0.5, 0.395$
 relative Natural Colour (NC)
 $lab^*trj = 0.632, -0.45, 0.216$
 $lab^*tce = 0.625, 0.5, 0.429$
 $lab^*nce = 0.0, 0.5, 0.718$

relative Inform. Technology (IT)
 $olvi3^* = 0.25, 0.25, 0.25$
 $cmyn3^* = 0.75, 0.75, 0.75$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.75$
 standard and adapted CIELAB
 $LAB^*LAB = 82.54, 0.0, 0.0$
 $LAB^*TCh = 50.0, 0.0, -$

relative CIELAB lab*
 $lab^*lab = 0.441, -0.197, 0.153$
 $lab^*tch = 0.375, 0.25, 0.395$
 $lab^*nch = 0.0, 0.25, 0.395$
 relative Natural Colour (NC)
 $lab^*trj = 0.441, -0.224, 0.108$
 $lab^*tce = 0.375, 0.25, 0.429$
 $lab^*nce = 0.0, 0.25, 0.718$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.0, 0.0$
 $cmyn3^* = 1.0, 1.0, 1.0$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 69.7, 0.0, 0.0$
 $LAB^*TCh = 0.0, 0.0, -$

relative CIELAB lab*
 $lab^*lab = 0.0, 0.0, 0.0$
 $lab^*tch = 0.0, 0.0, 0.0$
 $lab^*nch = 0.0, 0.0, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, 0.0$
 $lab^*nce = 0.0, 0.0, 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.75, 0.75, 0.75$
 $cmyn3^* = 0.25, 0.25, 0.25$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 71.57, 0.0, 0.0$
 $LAB^*TCh = 75.0, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.75, 0.0, 0.0$
 $lab^*tch = 0.75, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.75, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.0, 0.0, -$

relative Inform. Technology (IT)
 $olvi3^* = 0.5, 0.5, 0.5$
 $cmyn3^* = 0.5, 0.5, 0.5$
 $olvi4^* = 1.0, 1.0, 1.0$

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

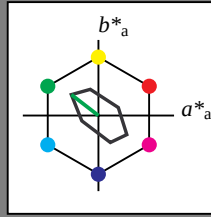
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0,75

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 158/360 = 0.439$

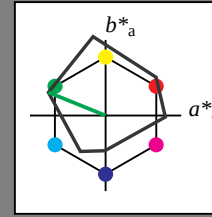
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 48 82 158

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCMa 99.99 0.0 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*TCMa 75.0 0.0 -

relative CIELAB lab*
lab*lab 0.881 -0.197 0.153
lab*tch 0.875 0.25 0.395
lab*nch 0.0 0.25 0.395
relative Natural Colour (NC)
lab*trj 0.891 -0.224 0.108
lab*tce 0.875 0.25 0.429
lab*nce 0.0 0.25 0.178

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.54 0.0 0.0
LAB*LABa 82.54 0.0 0.0
LAB*TCMa 50.0 0.0 -

relative CIELAB lab*
lab*lab 0.691 -0.197 0.153
lab*tch 0.625 0.25 0.395
lab*nch 0.25 0.25 0.395
relative Natural Colour (NC)
lab*trj 0.691 -0.224 0.108
lab*tce 0.625 0.25 0.429
lab*nce 0.25 0.25 0.178

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.13 0.0 0.0
LAB*LABa 76.13 0.0 0.0
LAB*TCMa 25.0 0.0 -

relative CIELAB lab*
lab*lab 0.441 -0.197 0.153
lab*tch 0.375 0.25 0.395
lab*nch 0.25 0.25 0.395
relative Natural Colour (NC)
lab*trj 0.441 -0.224 0.108
lab*tce 0.375 0.25 0.429
lab*nce 0.25 0.25 0.178

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCMa 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.191 -0.197 0.153
lab*tch 0.125 0.25 0.395
lab*nch 0.75 0.25 0.395
relative Natural Colour (NC)
lab*trj 0.191 -0.224 0.108
lab*tce 0.125 0.25 0.429
lab*nce 0.75 0.25 0.178

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 92.36 -17.89 13.82
LAB*LABa 92.36 -17.89 13.82
LAB*TCMa 75.0 -2.61 142.34

relative CIELAB lab*
lab*lab 0.881 -0.395 0.305
lab*tch 0.875 0.5 0.395
lab*nch 0.0 0.5 0.395
relative Natural Colour (NC)
lab*trj 0.881 -0.45 0.216
lab*tce 0.875 0.5 0.429
lab*nce 0.0 0.5 0.178

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 85.94 -17.9 13.82
LAB*LABa 85.94 -17.9 13.82
LAB*TCMa 50.0 22.62 142.34

relative CIELAB lab*
lab*lab 0.632 -0.395 0.306
lab*tch 0.625 0.5 0.395
lab*nch 0.25 0.5 0.395
relative Natural Colour (NC)
lab*trj 0.632 -0.45 0.216
lab*tce 0.625 0.5 0.429
lab*nce 0.25 0.5 0.178

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 79.51 -17.89 13.82
LAB*LABa 79.51 -17.89 13.82
LAB*TCMa 25.01 22.61 142.34

relative CIELAB lab*
lab*lab 0.382 -0.395 0.305
lab*tch 0.375 0.5 0.395
lab*nch 0.5 0.5 0.395
relative Natural Colour (NC)
lab*trj 0.382 -0.45 0.216
lab*tce 0.375 0.5 0.429
lab*nce 0.5 0.5 0.178

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCMa 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.191 -0.197 0.153
lab*tch 0.125 0.25 0.395
lab*nch 0.75 0.25 0.395
relative Natural Colour (NC)
lab*trj 0.191 -0.224 0.108
lab*tce 0.125 0.25 0.429
lab*nce 0.75 0.25 0.178

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.0 0.0
LAB*LABa 96.31 0.0 0.0
LAB*TCMa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 -0.44 2.45
LAB*LABa 76.38 -0.44 2.45
LAB*TCMa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.849 -0.231 0.094
lab*tch 0.875 0.25 0.438
lab*nch 0.0 0.25 0.438
relative Natural Colour (NC)
lab*trj 0.849 -0.246 0.037
lab*tce 0.849 0.25 0.476
lab*nce 0.0 0.25 0.908

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 64.35 -19.54 10.05
LAB*LABa 64.35 -19.54 10.05
LAB*TCMa 50.0 20.4 157.94

relative CIELAB lab*
lab*lab 0.599 -0.231 0.094
lab*tch 0.625 0.25 0.438
lab*nch 0.25 0.25 0.438
relative Natural Colour (NC)
lab*trj 0.599 -0.246 0.037
lab*tce 0.625 0.25 0.476
lab*nce 0.25 0.25 0.908

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 0.0 0.0
LAB*LABa 56.44 0.0 0.0
LAB*TCMa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCMa 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 84.28 -19.21 10.17
LAB*LABa 84.28 -19.21 10.17
LAB*TCMa 87.5 -20.39 157.94

relative CIELAB lab*
lab*lab 0.849 -0.231 0.094
lab*tch 0.875 0.25 0.438
lab*nch 0.0 0.25 0.438
relative Natural Colour (NC)
lab*trj 0.849 -0.246 0.037
lab*tce 0.849 0.25 0.476
lab*nce 0.0 0.25 0.908

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.5 0.75 (1.0)
cmyn4* 0.5 0.25 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 52.32 -38.64 17.63
LAB*LABa 52.32 -38.64 17.63
LAB*TCMa 50.0 40.81 157.94

relative CIELAB lab*
lab*lab 0.698 -0.462 0.188
lab*tch 0.75 0.5 0.438
lab*nch 0.0 0.5 0.438
relative Natural Colour (NC)
lab*trj 0.698 -0.493 0.074
lab*tce 0.7 0.5 0.476
lab*nce 0.0 0.5 0.908

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.25 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 44.41 -19.87 9.92
LAB*LABa 44.41 -19.87 9.92
LAB*TCMa 37.5 20.4 157.94

relative CIELAB lab*
lab*lab 0.448 -0.462 0.188
lab*tch 0.5 0.5 0.438
lab*nch 0.25 0.25 0.438
relative Natural Colour (NC)
lab*trj 0.448 -0.494 0.074
lab*tce 0.5 0.5 0.476
lab*nce 0.25 0.25 0.908

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 32.39 -38.96 17.5
LAB*LABa 32.39 -38.96 17.5
LAB*TCMa 25.01 40.8 157.94

relative CIELAB lab*
lab*lab 0.198 -0.462 0.188
lab*tch 0.125 0.5 0.438
lab*nch 0.5 0.5 0.438
relative Natural Colour (NC)
lab*trj 0.198 -0.493 0.074
lab*tce 0.25 0.5 0.476
lab*nce 0.5 0.5 0.908

$n^* = 0,50$

0,25

blackness n^*

$n^* = 0,25$

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 142/360 = 0.395 (left)

5 step scales for constant CIELAB hue 158/360 = 0.439 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

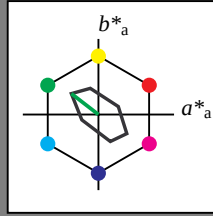
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)									
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	99.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	88.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.881	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	82.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	82.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	76.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)									
olvi3*	0.5	1.0	0.5	1.0	0.5	1.0	0.5	1.0	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	0.5	1.0	0.5	1.0	0.5	1.0	0.5	1.0	0.5
cmyn4*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
standard and adapted CIELAB									
LAB*LAB	92.36	-17.89	13.82	22.61	142.34	0.0	0.0	0.0	0.0
LAB*LABa	92.36	-17.89	13.82	22.61	142.34	0.0	0.0	0.0	0.0
LAB*TCRa	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.881	-0.395	0.305	0.395	0.305	0.0	0.0	0.0	0.0
lab*tch	0.75	0.5	0.395	0.395	0.305	0.0	0.0	0.0	0.0
lab*nch	0.0	0.5	0.395	0.395	0.305	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.881	-0.45	0.216	0.216	0.216	0.0	0.0	0.0	0.0
lab*tce	0.5	0.5	0.429	0.429	0.429	0.0	0.0	0.0	0.0
lab*nce	0.0	0.5	0.429	0.429	0.429	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.75	0.25	1.0
cmyn3*	0.75	0.25	0.75	1.0
olvi4*	0.5	1.0	0.5	0.75
cmyn4*	0.5	0.0	0.5	0.25
standard and adapted CIELAB				
LAB*LAB	85.94	-17.9	13.82	
LAB*LABa	85.94	-17.9	13.82	
LAB*TCrHo	50.0	22.62	142.34	
relative CIELAB lab*				
lab*lab	0.632	-0.395	0.306	
lab*tch	0.5	0.5	0.395	
lab*nch	0.25	0.5	0.395	
relative Natural Colour (NC)				
lab*trj	0.632	0.45	0.216	
lab*nc	0.5	0.5	0.429	
lab*nce	0.25	0.5	0.719	

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

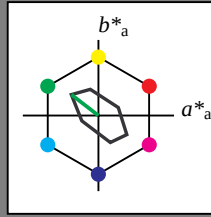
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)									
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	99.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	88.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	82.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	82.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	76.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

$u^*_{rel} = 16$

relative Inform. Technology (IT)									
olvi3*	0.75	1.0	0.75	1.0	0.75	1.0	0.75	1.0	0.75
cmyn3*	0.25	0.0	0.25	0.0	0.25	0.0	0.25	0.0	0.25
olvi4*	0.75	1.0	0.75	1.0	0.75	1.0	0.75	1.0	0.75
cmyn4*	0.25	0.0	0.25	0.0	0.25	0.0	0.25	0.0	0.25
standard and adapted CIELAB									
LAB*LAB	93.85	-8.94	6.91	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	93.85	-8.94	6.91	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	87.5	11.3	142.34	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.941	-0.197	0.153	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.875	0.25	0.395	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.25	0.395	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.941	-0.224	0.108	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.875	0.25	0.429	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.25	0.718	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.75	0.5	1.0	0.5	0.75	0.5	1.0	0.5
cmyn3*	0.5	0.25	0.5	0.0	0.5	0.25	0.5	0.0	0.5
olvi4*	0.75	1.0	0.75	0.5	0.75	1.0	0.75	0.5	0.75
cmyn4*	0.25	0.0	0.25	0.25	0.25	0.0	0.25	0.25	0.25
standard and adapted CIELAB									
LAB*LAB	87.46	-8.94	6.91	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	87.46	-8.94	6.91	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	87.5	11.3	142.34	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.691	-0.197	0.153	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.625	0.25	0.395	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.25	0.395	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.691	-0.224	0.108	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.625	0.25	0.429	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.25	0.718	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.5	0.75	(0.0)
olvi4*	0.75	1.0	0.75	0.5
cmyn4*	0.25	0.0	0.25	0.5
standard and adapted CIELAB				
LAB*LAB	81.03	-8.94	6.91	
LAB*LABa	81.03	-8.94	6.91	
LAB*TCha	37.5	11.3	142.34	
relative CIELAB lab*				
lab*lab	0.441	-0.197	0.153	
lab*tch	0.375	0.25	0.395	
lab*nch	0.5	0.25	0.395	
relative Natural Colour (NC)				
lab*tri	0.441	0.224	0.108	
lab*trc	0.375	0.0	0.09	
lab*nCf	0.5	0.25	0.12	

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 142/360 = 0.395$

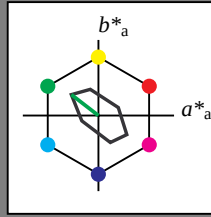
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)									
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	88.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	82.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	82.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	76.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	1.0	0.75	1.0	0.75	1.0	0.75	1.0	0.75
cmyn3*	0.25	0.0	0.25	0.0	0.25	0.0	0.25	0.0	0.25
olvi4*	0.75	1.0	0.75	1.0	0.75	1.0	0.75	1.0	0.75
cmyn4*	0.25	0.0	0.25	0.0	0.25	0.0	0.25	0.0	0.25
standard and adapted CIELAB									
LAB*LAB	93.89	-8.94	6.91	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	93.89	-8.94	6.91	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.941	-0.197	0.153	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.875	0.25	0.395	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.25	0.395	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.941	-0.224	0.108	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.875	0.25	0.429	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.25	0.429	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.75	0.5	1.0	0.75	0.5	1.0	0.75	0.5
cmyn3*	0.5	0.25	0.5	0.0	0.25	0.5	0.0	0.25	0.5
olvi4*	0.75	1.0	0.75	0.5	0.75	1.0	0.75	0.5	0.75
cmyn4*	0.25	0.0	0.25	0.5	0.25	0.0	0.25	0.5	0.25
standard and adapted CIELAB									
LAB*LAB	87.46	-8.94	6.91	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	87.46	-8.94	6.91	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.691	-0.197	0.153	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.625	0.25	0.395	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.25	0.395	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.691	-0.224	0.108	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.625	0.25	0.429	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.25	0.429	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.5	0.75	(0.0)
olvi4*	0.75	1.0	0.75	0.5
cmyn4*	0.25	0.0	0.25	0.5
standard and adapted CIELAB				
LAB*LAB	81.03	-8.94	6.91	
LAB*LABa	81.03	-8.94	6.91	
LAB*LABb	99.99	0.0	0.0	
LAB*TCfH	73.75	11.31	14.21	64.34
relative CIELAB lab*				
lab*lab	0.441	-0.197	0.153	
lab*tcH	0.375	0.25	0.395	
lab*nch	0.5	0.25	0.395	
relative Natural Colour (NC)				
lab*trj	0.441	0.224	0.108	
lab*tcE	0.75	0.25	0.429	
lab*nce	0.5	0.25	0.718	

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

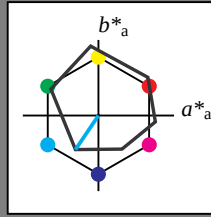
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	-0.38	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	77.01	-1.58	-18.98
LAB*LABa	77.01	-15.16	-22.5
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.881	-0.139	-0.206
lab*tch	0.875	0.25	0.656
lab*nch	0.0	0.25	0.656

relative Natural Colour (NC)

lab*trj	0.881	-0.139	-0.206
lab*tce	0.875	0.25	0.656
lab*nce	0.0	0.25	0.656

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.75	(1.0)
cmyn3*	0.5	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	66.86	-0.02	-8.42
LAB*LABa	66.86	-7.58	-11.25
LAB*LABb	62.5	13.57	236.02

relative CIELAB lab*

lab*lab	0.631	-0.139	-0.206
lab*tch	0.625	0.25	0.656
lab*nch	0.25	0.25	0.656

relative Natural Colour (NC)

lab*trj	0.631	-0.139	-0.206
lab*tce	0.625	0.25	0.656
lab*nce	0.25	0.25	0.656

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	57.67	-15.43	-20.29
LAB*LABa	57.67	-15.16	-22.5
LAB*LABb	50.0	27.15	236.02

relative CIELAB lab*

lab*lab	0.512	-0.278	-0.414
lab*tch	0.512	0.25	0.656
lab*nch	0.25	0.25	0.656

relative Natural Colour (NC)

lab*trj	0.512	-0.278	-0.414
lab*tce	0.512	0.25	0.656
lab*nce	0.25	0.25	0.656

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	38.32	-15.05	-21.6
LAB*LABa	38.32	-15.16	-22.5
LAB*LABb	25.01	27.14	236.02

relative CIELAB lab*

lab*lab	0.262	-0.278	-0.414
lab*tch	0.262	0.25	0.656
lab*nch	0.25	0.25	0.656

relative Natural Colour (NC)

lab*trj	0.262	-0.278	-0.414
lab*tce	0.262	0.25	0.656
lab*nce	0.25	0.25	0.656

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

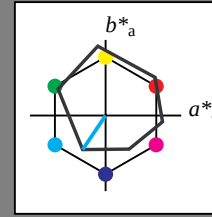
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	-0.38	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

n. Technology (IT)				
1.0	1.0	(1.0)		
0.0	0.0	(0.0)		
1.0	1.0	1.0		
0.0	0.0	0.0		
adapted CIELAB				
7.01	-15.8	-18.5		
7.01	-15.16	-22.5		
5.0	27.14	236.6		
AB lab*				
762	-0.278	-0.4		
75	0.5	0.656		
0	0.5	0.656		
al Colour (NC)				
762	-0.247	-0.4		
75	0.5	0.667		
0	0.5	0.667		

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

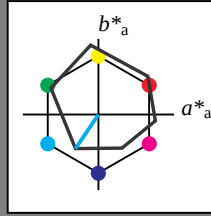
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	-36	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.98	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	8.33
LAB*LABa	37.36	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	77.01	15.4	-18.98
LAB*LABa	77.01	-15.16	-22.5
LAB*LABb	75.01	15.4	236.02

relative CIELAB lab*

lab*lab	0.881	-0.139	-0.206
lab*tch	0.875	0.25	0.656
lab*nch	0.0	0.25	0.656

relative Natural Colour (NC)

lab*trj	0.881	-0.139	-0.216
lab*tce	0.875	0.25	0.667
lab*nce	0.0	0.25	0.667

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.75	(1.0)
cmyn3*	0.5	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	57.67	-15.43	-20.29
LAB*LABa	57.67	-15.16	-22.5
LAB*LABb	50.0	27.15	236.02

relative CIELAB lab*

lab*lab	0.631	-0.139	-0.206
lab*tch	0.625	0.25	0.656
lab*nch	0.0	0.25	0.656

relative Natural Colour (NC)

lab*trj	0.631	-0.139	-0.216
lab*tce	0.625	0.25	0.667
lab*nce	0.0	0.25	0.667

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	8.33
LAB*LABa	37.36	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.512	-0.278	-0.414
lab*tch	0.512	0.25	0.656
lab*nch	0.0	0.25	0.656

relative Natural Colour (NC)

lab*trj	0.512	-0.278	-0.433
lab*tce	0.512	0.25	0.667
lab*nce	0.0	0.25	0.667

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	38.32	-15.05	-21.6
LAB*LABa	38.32	-15.16	-22.5
LAB*LABb	25.01	27.14	236.02

relative CIELAB lab*

lab*lab	0.262	-0.278	-0.414
lab*tch	0.262	0.25	0.656
lab*nch	0.0	0.25	0.656

relative Natural Colour (NC)

lab*trj	0.262	-0.278	-0.433
lab*tce	0.262	0.25	0.667
lab*nce	0.0	0.25	0.667

$n^* = 0,50$

$0,75$

$n^* = 0,00$

$0,25$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$1,00$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

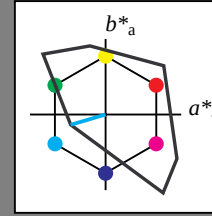
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.52	0.0	0.0
LAB*LABa	71.52	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.52	0.0	0.0
LAB*LABa	71.52	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative CIELAB lab*

lab*Lab	0.728	-0.239	-0.069
lab*Ych	0.625	0.25	0.545
lab*Ych	0.25	0.25	0.545

relative Natural Colour (Nc)

lab*Ych	0.625	0.25	0.578
lab*Ych	0.25	0.25	g31b

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.5	0.5	(0.0)
olvi4*	0.75	1.0	1.0	0.5
cmyn4*	0.25	0.0	0.0	0.5

standard and adapted CIELAB

LAB*Lab	45.58	-11.53	-3.38
LAB*LabA	45.58	-11.53	-3.38

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

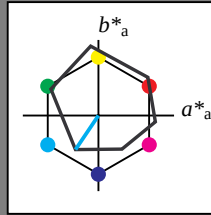
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)	
olvi3*	1.0 1.0 1.0 (1.0)
cmyn3*	0.0 0.0 0.0 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 -36.475
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 -
relative CIELAB lab*	
lab*lab	1.0 0.0 0.0
lab*tch	1.0 0.0 -
lab*nch	0.0 0.0 -
relative Natural Colour (NC)	
lab*trj	1.0 0.0 0.0
lab*tce	0.0 0.0 -
lab*nce	0.0 0.0 -

relative Inform. Technology (IT)	
olvi3*	0.75 0.75 0.75 (1.0)
cmyn3*	0.25 0.25 0.25 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	76.98 -0.61 3.44
LAB*LABa	76.06 0.0 0.0
LAB*LABb	75.01 -
relative CIELAB lab*	
lab*lab	0.75 0.0 0.0
lab*tch	0.75 0.0 -
lab*nch	0.0 0.0 -
relative Natural Colour (NC)	
lab*trj	0.75 0.0 0.0
lab*tce	0.25 0.0 -
lab*nce	0.25 0.0 -

relative Inform. Technology (IT)	
olvi3*	0.5 0.5 0.5 (1.0)
cmyn3*	0.5 0.5 0.5 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	56.71 -0.24 2.14
LAB*LABa	56.71 0.0 0.0
LAB*LABb	50.01 -
relative CIELAB lab*	
lab*lab	0.5 0.0 0.0
lab*tch	0.5 0.0 -
lab*nch	0.0 0.0 -
relative Natural Colour (NC)	
lab*trj	0.5 0.0 0.0
lab*tce	0.5 0.0 -
lab*nce	0.5 0.0 -

relative Inform. Technology (IT)	
olvi3*	0.25 0.25 0.25 (1.0)
cmyn3*	0.75 0.75 0.75 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	37.36 0.13 8.33
LAB*LABa	37.36 0.0 0.0
LAB*LABb	25.01 -
relative CIELAB lab*	
lab*lab	0.25 0.0 0.0
lab*tch	0.25 0.0 -
lab*nch	0.0 0.0 -
relative Natural Colour (NC)	
lab*trj	0.25 0.0 0.0
lab*tce	0.25 0.0 -
lab*nce	0.25 0.0 -

relative Inform. Technology (IT)	
olvi3*	0.0 0.0 0.0 (1.0)
cmyn3*	1.0 1.0 1.0 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	18.02 0.5 -0.47
LAB*LABa	18.02 0.0 0.0
LAB*LABb	0.01 -
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*tch	0.0 0.0 -
lab*nch	0.0 0.0 -
relative Natural Colour (NC)	
lab*trj	0.0 0.0 0.0
lab*tce	0.0 0.0 -
lab*nce	0.0 0.0 -

$n^* = 1,0$

relative Inform. Technology (IT)	
olvi3*	0.75 1.0 1.0 (1.0)
cmyn3*	0.25 0.0 0.0 (0.0)
olvi4*	0.75 1.0 1.0 (1.0)
cmyn4*	0.25 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	86.21 -8.29 -7.1
LAB*LABa	86.21 -7.57 -11.24
LAB*LABb	13.57 236.02
relative CIELAB lab*	
lab*lab	0.881 -0.139 -0.206
lab*tch	0.875 0.25 0.656
lab*nch	0.0 0.25 0.656
relative Natural Colour (NC)	
lab*trj	0.881 -0.139 -0.216
lab*tce	0.875 0.25 0.662
lab*nce	0.0 0.25 0.662

relative Inform. Technology (IT)	
olvi3*	0.5 0.75 0.75 (1.0)
cmyn3*	0.5 0.25 0.25 (0.0)
olvi4*	0.75 1.0 1.0 (1.0)
cmyn4*	0.25 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	66.86 -8.02 -8.42
LAB*LABa	66.86 -7.58 -11.25
LAB*LABb	13.57 236.02
relative CIELAB lab*	
lab*lab	0.631 -0.139 -0.206
lab*tch	0.625 0.25 0.656
lab*nch	0.25 0.25 0.656
relative Natural Colour (NC)	
lab*trj	0.631 -0.139 -0.216
lab*tce	0.625 0.25 0.662
lab*nce	0.25 0.25 0.662

relative Inform. Technology (IT)	
olvi3*	0.25 0.5 0.5 (1.0)
cmyn3*	0.75 0.5 0.5 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.25 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	47.51 -7.64 -9.72
LAB*LABa	47.51 -7.58 -11.25
LAB*LABb	37.5 236.02
relative CIELAB lab*	
lab*lab	0.381 -0.139 -0.206
lab*tch	0.375 0.25 0.656
lab*nch	0.25 0.25 0.656
relative Natural Colour (NC)	
lab*trj	0.381 -0.139 -0.216
lab*tce	0.375 0.25 0.662
lab*nce	0.25 0.25 0.662

relative Inform. Technology (IT)	
olvi3*	0.0 0.25 0.25 (1.0)
cmyn3*	1.0 0.75 0.75 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.25 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	28.17 -7.27 -11.03
LAB*LABa	28.17 -7.27 -11.24
LAB*LABb	12.5 236.02
relative CIELAB lab*	
lab*lab	0.131 -0.139 -0.206
lab*tch	0.125 0.25 0.656
lab*nch	0.25 0.25 0.656
relative Natural Colour (NC)	
lab*trj	0.131 -0.139 -0.216
lab*tce	0.125 0.25 0.662
lab*nce	0.25 0.25 0.662

$n^* = 0,50$

relative Inform. Technology (IT)	
olvi3*	0.5 1.0 1.0 (1.0)
cmyn3*	0.5 0.0 0.0 (0.0)
olvi4*	0.5 1.0 1.0 (1.0)
cmyn4*	0.5 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	77.61 -15.4 -18.98
LAB*LABa	77.61 -15.16 -22.5
LAB*LABb	21.4 236.02
relative CIELAB lab*	
lab*lab	0.502 -0.278 -0.414
lab*tch	0.5 0.5 0.656
lab*nch	0.0 0.5 0.656
relative Natural Colour (NC)	
lab*trj	0.502 -0.278 -0.433
lab*tce	0.5 0.5 0.662
lab*nce	0.0 0.5 0.662

relative Inform. Technology (IT)	
olvi3*	0.25 0.5 0.5 (1.0)
cmyn3*	0.75 0.25 0.25 (0.0)
olvi4*	0.5 1.0 1.0 (1.0)
cmyn4*	0.5 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	57.67 -15.43 -20.29
LAB*LABa	57.67 -15.16 -22.5
LAB*LABb	21.4 236.02
relative CIELAB lab*	
lab*lab	0.512 -0.278 -0.414
lab*tch	0.512 0.5 0.656
lab*nch	0.25 0.5 0.656
relative Natural Colour (NC)	
lab*trj	0.512 -0.278 -0.433
lab*tce	0.5 0.5 0.662
lab*nce	0.25 0.5 0.662

relative Inform. Technology (IT)	
olvi3*	0.0 0.75 0.75 (1.0)
cmyn3*	1.0 0.25 0.25 (0.0)
olvi4*	0.25 1.0 1.0 (1.0)
cmyn4*	0.75 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	48.47 -22.83 -32.17
LAB*LABa	48.47 -22.75 -33.75
LAB*LABb	37.51 40.72 236.02
relative CIELAB lab*	
lab*lab	0.394 -0.418 -0.621
lab*tch	0.375 0.5 0.656
lab*nch	0.25 0.5 0.656
relative Natural Colour (NC)	
lab*trj	0.394 -0.418 -0.656
lab*tce	0.375 0.5 0.662
lab*nce	0.25 0.5 0.662

relative Inform. Technology (IT)	
olvi3*	0.0 0.5 0.5 (1.0)
cmyn3*	1.0 0.5 0.5 (0.0)
olvi4*	0.5 1.0 1.0 (1.0)
cmyn4*	0.5 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	38.32 -15.05 -21.6
LAB*LABa	38.32 -15.16 -22.5
LAB*LABb	25.01 236.02
relative CIELAB lab*	
lab*lab	0.262 -0.278 -0.414
lab*tch	0.25 0.5 0.656
lab*nch	0.25 0.5 0.656
relative Natural Colour (NC)	
lab*trj	0.262 -0.278 -0.433
lab*tce	0.25 0.5 0.662
lab*nce	0.25 0.5 0.662

$n^* = 0,25$

relative Inform. Technology (IT)	
olvi3*	0.25 1.0 1.0 (1.0)
cmyn3*	0.75 0.0 0.0 (0.0)
olvi4*	0.25 1.0 1.0 (1.0)
cmyn4*	0.75 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	67.81 -23.21 -30.96
LAB*LABa	67.81 -22.75 -33.75
LAB*LABb	62.5 40.72 236.02
relative CIELAB lab*	
lab*lab	0.643 -0.418 -0.621
lab*tch	0.625 0.5 0.656
lab*nch	0.0 0.5 0.656
relative Natural Colour (NC)	
lab*trj	0.643 -0.418 -0.656
lab*tce	0.625 0.5 0.662
lab*nce	0.0 0.5 0.662

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

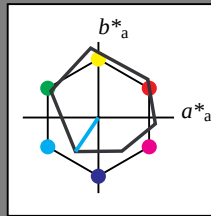
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.98 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.01 -11.24 236.02

relative CIELAB lab*
lab*lab 0.881 -0.139 -0.206
lab*tch 0.875 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.881 -0.139 -0.206
lab*tce 0.875 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.75 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 8.83
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 77.01 15.4 -18.98
LAB*LABa 77.01 -15.16 -22.5
LAB*LABb 75.0 23.6 236.02

relative CIELAB lab*
lab*lab 0.881 -0.139 -0.206
lab*tch 0.875 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.881 -0.139 -0.206
lab*tce 0.875 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 57.67 -15.43 -20.29
LAB*LABa 57.67 -15.16 -22.5
LAB*LABb 50.0 23.6 236.02

relative CIELAB lab*
lab*lab 0.512 -0.278 -0.414
lab*tch 0.512 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.512 -0.278 -0.414
lab*tce 0.512 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 38.32 -15.05 -21.6
LAB*LABa 38.32 -15.16 -22.5
LAB*LABb 25.0 23.6 236.02

relative CIELAB lab*
lab*lab 0.262 -0.278 -0.414
lab*tch 0.262 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.262 -0.278 -0.414
lab*tce 0.262 0.25 0.656
lab*nce 0.0 0.25 0.656

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 28.17 -7.27 -11.03
LAB*LABa 28.17 -7.27 -11.24
LAB*LABb 12.5 15.27 236.02

relative CIELAB lab*
lab*lab 0.131 -0.139 -0.206
lab*tch 0.131 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.131 -0.139 -0.206
lab*tce 0.131 0.25 0.656
lab*nce 0.0 0.25 0.656

$n^* = 0,25$

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

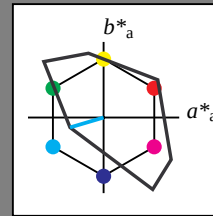
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.01 -11.24 236.02

relative CIELAB lab*
lab*lab 0.881 -0.139 -0.206
lab*tch 0.875 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.881 -0.139 -0.206
lab*tce 0.875 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.75 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.13 8.83
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 28.17 -7.27 -11.03
LAB*LABa 28.17 -7.27 -11.24
LAB*LABb 12.5 15.27 236.02

relative CIELAB lab*
lab*lab 0.131 -0.139 -0.206
lab*tch 0.131 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.131 -0.139 -0.206
lab*tce 0.131 0.25 0.656
lab*nce 0.0 0.25 0.656

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 0,00$

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 28.17 -7.27 -11.03
LAB*LABa 28.17 -7.27 -11.24
LAB*LABb 12.5 15.27 236.02

relative CIELAB lab*
lab*lab 0.131 -0.139 -0.206
lab*tch 0.131 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.131 -0.139 -0.206
lab*tce 0.131 0.25 0.656
lab*nce 0.0 0.25 0.656

$n^* = 0,25$

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 0,00$

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 28.17 -7.27 -11.03
LAB*LABa 28.17 -7.27 -11.24
LAB*LABb 12.5 15.27 236.02

relative CIELAB lab*
lab*lab 0.131 -0.139 -0.206
lab*tch 0.131 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.131 -0.139 -0.206
lab*tce 0.131 0.25 0.656
lab*nce 0.0 0.25 0.656

$n^* = 0,25$

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 0,00$

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 28.17 -7.27 -11.03
LAB*LABa 28.17 -7.27 -11.24
LAB*LABb 12.5 15.27 236.02

relative CIELAB lab*
lab*lab 0.131 -0.139 -0.206
lab*tch 0.131 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.131 -0.139 -0.206
lab*tce 0.131 0.25 0.656
lab*nce 0.0 0.25 0.656

$n^* = 0,25$

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 0,00$

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 28.17 -7.27 -11.03
LAB*LABa 28.17 -7.27 -11.24
LAB*LABb 12.5 15.27 236.02

relative CIELAB lab*
lab*lab 0.131 -0.139 -0.206
lab*tch 0.131 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.131 -0.139 -0.206
lab*tce 0.131 0.25 0.656
lab*nce 0.0 0.25 0.656

$n^* = 0,25$

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 0,00$

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

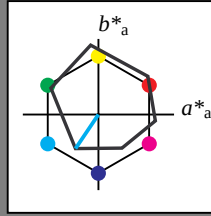
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	-36.475	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*labch	1.0	0.0	0.0
lab*labnch	1.0	0.0	0.0
lab*labc	1.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0
lab*labch	1.0	0.0	0.0
lab*labnch	1.0	0.0	0.0
lab*labc	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.96	-0.61	3.44
LAB*LABa	76.96	0.0	0.0
LAB*LABb	76.96	0.0	0.0
LAB*LABc	76.96	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*labch	0.75	0.0	0.0
lab*labnch	0.75	0.0	0.0
lab*labc	0.75	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0
lab*labch	0.75	0.0	0.0
lab*labnch	0.75	0.0	0.0
lab*labc	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0
LAB*LABc	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*labch	0.5	0.0	0.0
lab*labnch	0.5	0.0	0.0
lab*labc	0.5	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*labch	0.5	0.0	0.0
lab*labnch	0.5	0.0	0.0
lab*labc	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	8.33
LAB*LABa	37.36	0.0	0.0
LAB*LABb	37.36	0.0	0.0
LAB*LABc	37.36	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*labch	0.25	0.0	0.0
lab*labnch	0.25	0.0	0.0
lab*labc	0.25	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.25	0.0	0.0
lab*labch	0.25	0.0	0.0
lab*labnch	0.25	0.0	0.0
lab*labc	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	18.02	0.0	0.0
LAB*LABc	18.02	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*labch	0.0	0.0	0.0
lab*labnch	0.0	0.0	0.0
lab*labc	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0
lab*labch	0.0	0.0	0.0
lab*labnch	0.0	0.0	0.0
lab*labc	0.0	0.0	0.0

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	67.81	-23.21	-30.96
LAB*LABa	67.81	-22.75	-33.75
LAB*LABb	67.81	-23.21	-30.96
LAB*LABc	67.81	-23.21	-30.96

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*labch	0.5	0.0	0.0
lab*labnch	0.5	0.0	0.0
lab*labc	0.5	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*labch	0.5	0.0	0.0
lab*labnch	0.5	0.0	0.0
lab*labc	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	57.67	-15.43	-20.29
LAB*LABa	57.67	-15.16	-22.5
LAB*LABb	57.67	-15.43	-20.29
LAB*LABc	57.67	-15.43	-20.29

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*labch	0.25	0.0	0.0
lab*labnch	0.25	0.0	0.0
lab*labc	0.25	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.25	0.0	0.0
lab*labch	0.25	0.0	0.0
lab*labnch	0.25	0.0	0.0
lab*labc	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.1	0.1	0.1	(1.0)
cmyn3*	0.9	0.9	0.9	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	38.32	-15.05	-21.6
LAB*LABa	38.32	-15.16	-22.5
LAB*LABb	38.32	-15.05	-21.6
LAB*LABc	38.32	-15.05	-21.6

relative CIELAB lab*

lab*lab	0.1	0.0	0.0
lab*labch	0.1	0.0	0.0
lab*labnch	0.1	0.0	0.0
lab*labc	0.1	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.1	0.0	0.0
lab*labch	0.1	0.0	0.0
lab*labnch	0.1	0.0	0.0
lab*labc	0.1	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	28.17	-7.27	-11.03
LAB*LABa	28.17	-7.27	-11.03
LAB*LABb	28.17	-7.27	-11.03
LAB*LABc	28.17	-7.27	-11.03

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*labch	0.0	0.0	0.0
lab*labnch	0.0	0.0	0.0
lab*labc	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0
lab*labch	0.0	0.0	0.0
lab*labnch	0.0	0.0	0.0
lab*labc	0.0	0.0	0.0

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

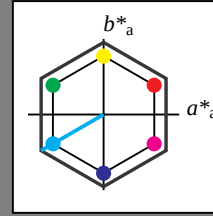
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*labch	1.0	0.0	0.0
lab*labnch	1.0	0.0	0.0
lab*labc	1.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0
lab*labch	1.0	0.0	0.0
lab*labnch	1.0	0.0	0.0
lab*labc	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	71.57	0.0	0.0
LAB*LABc	71.57	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*labch	0.75	0.0	0.0
lab*labnch	0.75	0.0	0.0
lab*labc	0.75	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0
lab*labch	0.75	0.0	0.0
lab*labnch	0.75	0.0	0.0
lab*labc	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0
LAB*LABc	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*labch	0.5	0.0	0.0
lab*labnch	0.5	0.0	0.0
lab*labc	0.5	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*labch	0.5	0.0	0.0
lab*labnch	0.5	0.0	0.0
lab*labc	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	8.33
LAB*LABa	37.36	0.0	0.0
LAB*LABb	37.36	0.0	0.0
LAB*LABc	37.36	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*labch	0.25	0.0	0.0
lab*labnch	0.25	0.0	0.0
lab*labc	0.25	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.25	0.0	0.0
lab*labch	0.25	0.0	0.0
lab*labnch	0.25	0.0	0.0
lab*labc	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	18.02	0.0	0.0
LAB*LABc	18.02	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*labch	0.0	0.0	0.0
lab*labnch	0.0	0.0	0.0
lab*labc	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0
lab*labch	0.0	0.0	0.0
lab*labnch	0.0	0.0	0.0
lab*labc	0.0	0.0	0.0

$n^* = 1,0$

chromaticness c^*

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

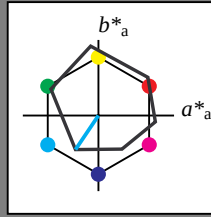
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	95.41	95.41	95.41
LAB*LABa	95.41	95.41	95.41
LAB*LABb	95.41	95.41	95.41
LAB*LABc	95.41	95.41	95.41
relative CIELAB lab*			
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
relative Natural Colour (NC)			
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	76.06	76.06	76.06
LAB*LABa	76.06	76.06	76.06
LAB*LABb	76.06	76.06	76.06
LAB*LABc	76.06	76.06	76.06
relative CIELAB lab*			
lab*lab	0.881	-0.139	-0.206
lab*lab	0.881	-0.139	-0.206
lab*lab	0.881	-0.139	-0.206
lab*lab	0.881	-0.139	-0.206
relative Natural Colour (NC)			
lab*lab	0.881	-0.139	-0.206
lab*lab	0.881	-0.139	-0.206
lab*lab	0.881	-0.139	-0.206
lab*lab	0.881	-0.139	-0.206

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	56.71	56.71	56.71
LAB*LABa	56.71	56.71	56.71
LAB*LABb	56.71	56.71	56.71
LAB*LABc	56.71	56.71	56.71
relative CIELAB lab*			
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
relative Natural Colour (NC)			
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	37.36	37.36	37.36
LAB*LABa	37.36	37.36	37.36
LAB*LABb	37.36	37.36	37.36
LAB*LABc	37.36	37.36	37.36
relative CIELAB lab*			
lab*lab	0.25	0.25	0.25
lab*lab	0.25	0.25	0.25
lab*lab	0.25	0.25	0.25
lab*lab	0.25	0.25	0.25
relative Natural Colour (NC)			
lab*lab	0.25	0.25	0.25
lab*lab	0.25	0.25	0.25
lab*lab	0.25	0.25	0.25
lab*lab	0.25	0.25	0.25

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	18.02	18.02	18.02
LAB*LABa	18.02	18.02	18.02
LAB*LABb	18.02	18.02	18.02
LAB*LABc	18.02	18.02	18.02
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
relative Natural Colour (NC)			
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	77.01	77.01	77.01
LAB*LABa	77.01	77.01	77.01
LAB*LABb	77.01	77.01	77.01
LAB*LABc	77.01	77.01	77.01
relative CIELAB lab*			
lab*lab	0.881	-0.139	-0.206
lab*lab	0.881	-0.139	-0.206
lab*lab	0.881	-0.139	-0.206
lab*lab	0.881	-0.139	-0.206
relative Natural Colour (NC)			
lab*lab	0.881	-0.139	-0.206
lab*lab	0.881	-0.139	-0.206
lab*lab	0.881	-0.139	-0.206
lab*lab	0.881	-0.139	-0.206

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	57.67	57.67	57.67
LAB*LABa	57.67	57.67	57.67
LAB*LABb	57.67	57.67	57.67
LAB*LABc	57.67	57.67	57.67
relative CIELAB lab*			
lab*lab	0.512	-0.278	-0.414
lab*lab	0.512	-0.278	-0.414
lab*lab	0.512	-0.278	-0.414
lab*lab	0.512	-0.278	-0.414
relative Natural Colour (NC)			
lab*lab	0.512	-0.278	-0.414
lab*lab	0.512	-0.278	-0.414
lab*lab	0.512	-0.278	-0.414
lab*lab	0.512	-0.278	-0.414

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	38.32	38.32	38.32
LAB*LABa	38.32	38.32	38.32
LAB*LABb	38.32	38.32	38.32
LAB*LABc	38.32	38.32	38.32
relative CIELAB lab*			
lab*lab	0.252	-0.278	-0.414
lab*lab	0.252	-0.278	-0.414
lab*lab	0.252	-0.278	-0.414
lab*lab	0.252	-0.278	-0.414
relative Natural Colour (NC)			
lab*lab	0.252	-0.278	-0.414
lab*lab	0.252	-0.278	-0.414
lab*lab	0.252	-0.278	-0.414
lab*lab	0.252	-0.278	-0.414

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	28.17	28.17	28.17
LAB*LABa	28.17	28.17	28.17
LAB*LABb	28.17	28.17	28.17
LAB*LABc	28.17	28.17	28.17
relative CIELAB lab*			
lab*lab	0.131	-0.139	-0.206
lab*lab	0.131	-0.139	-0.206
lab*lab	0.131	-0.139	-0.206
lab*lab	0.131	-0.139	-0.206
relative Natural Colour (NC)			

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

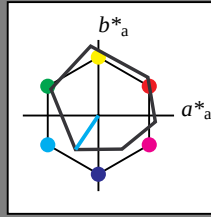
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.881 -0.139 -0.206
lab*tch 0.875 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.881 -0.139 -0.206
lab*tce 0.875 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.631 -0.139 -0.206
lab*tch 0.625 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.631 -0.139 -0.206
lab*tce 0.625 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.381 -0.139 -0.206
lab*tch 0.375 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.381 -0.139 -0.206
lab*tce 0.375 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.131 -0.139 -0.206
lab*tch 0.125 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.131 -0.139 -0.206
lab*tce 0.125 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 9.01 1.0 0.0
LAB*LABa 9.01 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.013 -0.139 -0.206
lab*tch 0.0125 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.013 -0.139 -0.206
lab*tce 0.0125 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 4.50 1.0 0.0
LAB*LABa 4.50 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.0013 -0.139 -0.206
lab*tch 0.00125 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.0013 -0.139 -0.206
lab*tce 0.00125 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 2.25 1.0 0.0
LAB*LABa 2.25 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.00013 -0.139 -0.206
lab*tch 0.000125 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.00013 -0.139 -0.206
lab*tce 0.000125 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 1.125 1.0 0.0
LAB*LABa 1.125 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.000013 -0.139 -0.206
lab*tch 0.0000125 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.000013 -0.139 -0.206
lab*tce 0.0000125 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.5625 1.0 0.0
LAB*LABa 0.5625 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.0000013 -0.139 -0.206
lab*tch 0.00000125 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.0000013 -0.139 -0.206
lab*tce 0.00000125 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.28125 1.0 0.0
LAB*LABa 0.28125 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.00000013 -0.139 -0.206
lab*tch 0.000000125 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.00000013 -0.139 -0.206
lab*tce 0.000000125 0.25 0.656
lab*nce 0.0 0.25 0.656

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 77.01 15.4 -18.98
LAB*LABa 77.01 -15.16 -22.5
LAB*LABb 75.01 23.62 0.0

relative CIELAB lab*
lab*lab 0.881 -0.139 -0.206
lab*tch 0.875 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.881 -0.139 -0.206
lab*tce 0.875 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.25 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 67.81 -23.21 -30.96
LAB*LABa 67.81 -22.75 -33.75
LAB*LABb 62.5 40.72 236.02

relative CIELAB lab*
lab*lab 0.643 -0.418 -0.621
lab*tch 0.625 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.643 -0.418 -0.621
lab*tce 0.625 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.1 1.0 1.0 (1.0)
cmyn3* 0.1 0.0 0.0 (0.0)
olvi4* 0.1 1.0 1.0 (1.0)
cmyn4* 0.1 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 57.67 -15.16 -22.5
LAB*LABa 57.67 -15.16 -22.5
LAB*LABb 50.0 27.15 236.02

relative CIELAB lab*
lab*lab 0.512 -0.278 -0.414
lab*tch 0.5 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.512 -0.278 -0.414
lab*tce 0.5 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.05 1.0 1.0 (1.0)
cmyn3* 0.05 0.0 0.0 (0.0)
olvi4* 0.05 1.0 1.0 (1.0)
cmyn4* 0.05 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.47 -22.83 -32.17
LAB*LABa 48.47 -22.75 -33.75
LAB*LABb 37.51 40.72 236.02

relative CIELAB lab*
lab*lab 0.394 -0.418 -0.621
lab*tch 0.375 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.394 -0.418 -0.621
lab*tce 0.375 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.01 1.0 1.0 (1.0)
cmyn3* 0.01 0.0 0.0 (0.0)
olvi4* 0.01 1.0 1.0 (1.0)
cmyn4* 0.01 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 38.32 -15.16 -22.5
LAB*LABa 38.32 -15.16 -22.5
LAB*LABb 25.01 27.15 236.02

relative CIELAB lab*
lab*lab 0.262 -0.278 -0.414
lab*tch 0.25 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.262 -0.278 -0.414
lab*tce 0.25 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.001 1.0 1.0 (1.0)
cmyn3* 0.001 0.0 0.0 (0.0)
olvi4* 0.001 1.0 1.0 (1.0)
cmyn4* 0.001 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.00013 -0.139 -0.206
lab*tch 0.000125 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.00013 -0.139 -0.206
lab*tce 0.000125 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.0001 1.0 1.0 (1.0)
cmyn3* 0.0001 0.0 0.0 (0.0)
olvi4* 0.0001 1.0 1.0 (1.0)
cmyn4* 0.0001 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 9.01 1.0 0.0
LAB*LABa 9.01 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.000013 -0.139 -0.206
lab*tch 0.0000125 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.000013 -0.139 -0.206
lab*tce 0.0000125 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.00001 1.0 1.0 (1.0)
cmyn3* 0.00001 0.0 0.0 (0.0)
olvi4* 0.00001 1.0 1.0 (1.0)
cmyn4* 0.00001 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 4.50 1.0 0.0
LAB*LABa 4.50 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.0000013 -0.139 -0.206
lab*tch 0.00000125 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.0000013 -0.139 -0.206
lab*tce 0.00000125 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.000001 1.0 1.0 (1.0)
cmyn3* 0.000001 0.0 0.0 (0.0)
olvi4* 0.000001 1.0 1.0 (1.0)
cmyn4* 0.000001 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 2.25 1.0 0.0
LAB*LABa 2.25 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.00000013 -0.139 -0.206
lab*tch 0.000000125 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.00000013 -0.139 -0.206
lab*tce 0.000000125 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.0000001 1.0 1.0 (1.0)
cmyn3* 0.0000001 0.0 0.0 (0.0)
olvi4* 0.0000001 1.0 1.0 (1.0)
cmyn4* 0.0000001 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 1.125 1.0 0.0
LAB*LABa 1.125 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.000000013 -0.139 -0.206
lab*tch 0.0000000125 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.000000013 -0.139 -0.206
lab*tce 0.0000000125 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.00000001 1.0 1.0 (1.0)
cmyn3* 0.00000001 0.0 0.0 (0.0)
olvi4* 0.00000001 1.0 1.0 (1.0)
cmyn4* 0.00000001 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.5625 1.0 0.0
LAB*LABa 0.5625 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.0000000013 -0.139 -0.206
lab*tch 0.00000000125 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.0000000013 -0.139 -0.206
lab*tce 0.00000000125 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.000000001 1.0 1.0 (1.0)
cmyn3* 0.000000001 0.0 0.0 (0.0)
olvi4* 0.000000001 1.0 1.0 (1.0)
cmyn4* 0.000000001 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.28125 1.0 0.0
LAB*LABa 0.28125 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.00000000013 -0.139 -0.206
lab*tch 0.000000000125 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.00000000013 -0.139 -0.206
lab*tce 0.000000000125 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.0000000001 1.0 1.0 (1.0)
cmyn3* 0.0000000001 0.0 0.0 (0.0)
olvi4* 0.0000000001 1.0 1.0 (1.0)
cmyn4* 0.0000000001 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.140625 1.0 0.0
LAB*LABa 0.140625 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.000000000013 -0.139 -0.206
lab*tch 0.0000000000125 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.000000000013 -0.139 -0.206
lab*tce 0.0000000000125 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.00000000001 1.0 1.0 (1.0)
cmyn3* 0.00000000001 0.0 0.0 (0.0)
olvi4* 0.00000000001 1.0 1.0 (1.0)
cmyn4* 0.00000000001 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0703125 1.0 0.0
LAB*LABa 0.0703125 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.0000000000013 -0.139 -0.206
lab*tch 0.00000000000125 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.0000000000013 -0.139 -0.206
lab*tce 0.00000000000125 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.000000000001 1.0 1.0 (1.0)
cmyn3* 0.000000000001 0.0 0.0 (0.0)
olvi4* 0.000000000001 1.0 1.0 (1.0)
cmyn4* 0.000000000001 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03515625 1.0 0.0
LAB*LABa 0.03515625 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.00000000000013 -0.139 -0.206
lab*tch 0.000000000000125 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.00000000000013 -0.139 -0.206
lab*tce 0.000000000000125 0.25 0.656
lab*nce 0.0 0.25 0.656

relative Inform. Technology (IT)
olvi3* 0.0000000000001 1.0 1.0 (1.0)
cmyn3* 0.0000000000001 0.0 0.0 (0.0)
olvi4* 0.0000000000001 1.0 1.0 (1.0)
cmyn4* 0.0000000000001 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.017578125 1.0 0.0
LAB*LABa 0.017578125 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.000000000000013 -0.139 -0.206
lab*tch 0.0000000000000125 0.25 0.656
lab*nch 0.0 0.25 0.656
relative

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

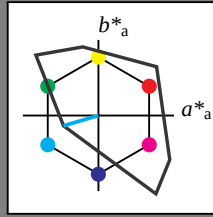
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 91.24 -23.07 -6.77
LAB*LABa 91.14 -23.07 -6.77
LAB*LABb 91.06 196.37

relative CIELAB lab*
lab*lab 0.978 -0.239 -0.069
lab*tch 0.875 0.25 0.545
lab*nch 0.0 0.25 0.545
relative Natural Colour (NC)
lab*trj 0.978 -0.22 -0.117
lab*tce 0.875 0.25 0.578
lab*nce 0.0 0.25 0.578

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.43 -11.53 -3.38
LAB*LABa 69.43 -11.53 -3.38
LAB*LABb 69.43 196.37

relative CIELAB lab*
lab*lab 0.728 -0.239 -0.069
lab*tch 0.625 0.25 0.545
lab*nch 0.25 0.25 0.545
relative Natural Colour (NC)
lab*trj 0.728 -0.22 -0.117
lab*tce 0.625 0.25 0.578
lab*nce 0.25 0.25 0.578

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.29 -23.08 -6.77
LAB*LABa 47.29 -23.08 -6.77
LAB*LABb 47.29 196.37

relative CIELAB lab*
lab*lab 0.5 0.75 0.75 (1.0)
lab*tch 0.5 0.25 0.545
lab*nch 0.25 0.5 0.545
relative Natural Colour (NC)
lab*trj 0.5 0.75 0.75 (1.0)
lab*tce 0.5 0.25 0.578
lab*nce 0.25 0.5 0.578

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.08 -6.77 -13.55
LAB*LABa 23.08 -6.77 -13.55
LAB*LABb 23.08 196.37

relative CIELAB lab*
lab*lab 0.25 0.75 0.75 (1.0)
lab*tch 0.25 0.25 0.545
lab*nch 0.25 0.75 0.545
relative Natural Colour (NC)
lab*trj 0.25 0.75 0.75 (1.0)
lab*tce 0.25 0.25 0.578
lab*nce 0.25 0.75 0.578

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

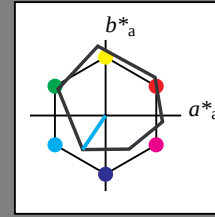
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.88 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.86 -0.02 -8.42
LAB*LABa 46.86 -7.58 -11.25
LAB*LABb 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.08 -6.77 -13.55
LAB*LABa 23.08 -6.77 -13.55
LAB*LABb 23.08 196.37

relative CIELAB lab*
lab*lab 0.25 0.5 0.5 (1.0)
lab*tch 0.25 0.25 0.545
lab*nch 0.25 0.5 0.545
relative Natural Colour (NC)
lab*trj 0.25 0.5 0.5 (1.0)
lab*tce 0.25 0.25 0.578
lab*nce 0.25 0.5 0.578

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 0.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.5 0.5 (1.0)
lab*tch 0.0 0.25 0.545
lab*nch 0.0 0.5 0.545
relative Natural Colour (NC)
lab*trj 0.0 0.5 0.5 (1.0)
lab*tce 0.0 0.25 0.578
lab*nce 0.0 0.5 0.578

$n^* = 1,0$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 77.01 -1.58 -18.98
LAB*LABa 77.01 -15.16 -22.5
LAB*LABb 75.01 236.02

relative CIELAB lab*
lab*lab 0.881 -0.139 -0.206
lab*tch 0.875 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.881 -0.123 -0.216
lab*tce 0.875 0.25 0.667
lab*nce 0.0 0.25 0.667

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.86 -0.02 -8.42
LAB*LABa 66.86 -7.58 -11.25
LAB*LABb 66.86 196.37

relative CIELAB lab*
lab*lab 0.762 -0.278 -0.414
lab*tch 0.75 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.762 -0.247 -0.433
lab*tce 0.75 0.25 0.667
lab*nce 0.0 0.25 0.667

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.86 -0.02 -8.42
LAB*LABa 46.86 -7.58 -11.25
LAB*LABb 46.86 196.37

relative CIELAB lab*
lab*lab 0.631 -0.139 -0.206
lab*tch 0.625 0.25 0.656
lab*nch 0.25 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.631 -0.123 -0.216
lab*tce 0.625 0.25 0.667
lab*nce 0.25 0.25 0.667

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.08 -6.77 -13.55
LAB*LABa 23.08 -6.77 -13.55
LAB*LABb 23.08 196.37

relative CIELAB lab*
lab*lab 0.512 -0.278 -0.414
lab*tch 0.5 0.25 0.656
lab*nch 0.25 0.5 0.656
relative Natural Colour (NC)
lab*trj 0.512 -0.247 -0.433
lab*tce 0.5 0.25 0.667
lab*nce 0.25 0.5 0.667

$n^* = 1,0$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 196/360 = 0.545 (left)

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

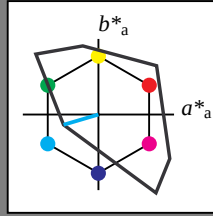
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	91.14	-23.07	-6.77
LAB*LABa	91.14	-23.07	-6.77
LAB*LABb	75.0	0.06	196.37

relative CIELAB lab*

lab*lab	0.978	-0.239	-0.069
lab*tch	0.875	0.25	0.545
lab*nch	0.0	0.25	0.545

relative Natural Colour (NC)

lab*trj	0.978	-0.22	-0.117
lab*tce	0.875	0.25	0.578
lab*nce	0.0	0.25	0.578

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	67.29	-23.08	-6.77
LAB*LABa	67.29	-23.08	-6.77
LAB*LABb	50.0	24.06	196.37

relative CIELAB lab*

lab*lab	0.728	-0.239	-0.069
lab*tch	0.625	0.25	0.545
lab*nch	0.25	0.25	0.545

relative Natural Colour (NC)

lab*trj	0.728	-0.22	-0.117
lab*tce	0.625	0.25	0.578
lab*nce	0.25	0.25	0.578

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	43.45	-23.07	-6.77
LAB*LABa	43.45	-23.07	-6.77
LAB*LABb	25.01	24.06	196.37

relative CIELAB lab*

lab*lab	0.455	-0.479	-0.14
lab*tch	0.25	0.5	0.545
lab*nch	0.5	0.5	0.545

relative Natural Colour (NC)

lab*trj	0.455	-0.44	-0.234
lab*tce	0.25	0.5	0.578
lab*nce	0.5	0.5	0.578

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.28	-0.239	-0.069
LAB*LABa	0.28	-0.239	-0.069
LAB*LABb	0.125	0.25	0.545

relative CIELAB lab*

lab*lab	0.28	-0.239	-0.069
lab*tch	0.25	0.5	0.545
lab*nch	0.5	0.5	0.545

relative Natural Colour (NC)

lab*trj	0.28	-0.22	-0.117
lab*tce	0.25	0.5	0.578
lab*nce	0.5	0.5	0.578

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

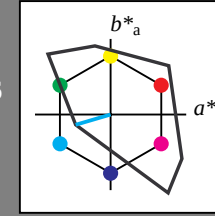
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 196/360 = 0.545 (left)

5 step scales for constant CIELAB hue 196/360 = 0.545 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

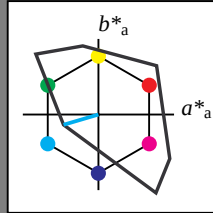
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	91.14	-23.07	-6.77
LAB*LABa	91.14	-23.07	-6.77
LAB*LABb	75.0	24.06	196.37

relative CIELAB lab*

lab*lab	0.978	-0.239	-0.069
lab*tch	0.875	0.25	0.545
lab*nch	0.0	0.25	0.545

relative Natural Colour (NC)

lab*trj	0.978	-0.22	-0.117
lab*tce	0.875	0.25	0.578
lab*nce	0.0	0.25	0.578

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	69.43	-11.53	-3.38
LAB*LABa	69.43	-11.53	-3.38
LAB*LABb	50.0	24.06	196.37

relative CIELAB lab*

lab*lab	0.728	-0.239	-0.069
lab*tch	0.625	0.25	0.545
lab*nch	0.25	0.25	0.545

relative Natural Colour (NC)

lab*trj	0.728	-0.22	-0.117
lab*tce	0.625	0.25	0.578
lab*nce	0.25	0.25	0.578

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	67.29	-23.08	-6.77
LAB*LABa	67.29	-23.08	-6.77
LAB*LABb	50.0	24.06	196.37

relative CIELAB lab*

lab*lab	0.705	-0.479	-0.14
lab*tch	0.5	0.5	0.545
lab*nch	0.0	0.5	0.545

relative Natural Colour (NC)

lab*trj	0.705	-0.44	-0.234
lab*tce	0.5	0.5	0.578
lab*nce	0.0	0.5	0.578

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	43.45	-23.07	-6.77
LAB*LABa	43.45	-23.07	-6.77
LAB*LABb	25.01	24.06	196.37

relative CIELAB lab*

lab*lab	0.455	-0.479	-0.14
lab*tch	0.25	0.5	0.545
lab*nch	0.0	0.5	0.545

relative Natural Colour (NC)

lab*trj	0.455	-0.44	-0.234
lab*tce	0.25	0.5	0.578
lab*nce	0.0	0.5	0.578

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

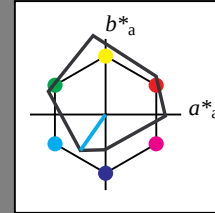
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.11	2.58
LAB*LABa	96.31	0.11	2.58
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	-0.44	2.45
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	66.87	-46.15	-13.55
LAB*LABa	66.87	-46.15	-13.55
LAB*LABb	50.0	48.11	196.37

relative CIELAB lab*

lab*lab	0.911	-0.958	-0.281
lab*tch	0.5	1.0	0.545
lab*nch	0.0	1.0	0.545

relative Natural Colour (NC)

lab*trj	0.911	-0.881	-0.469
lab*tce	0.5	1.0	0.578
lab*nce	0.0	1.0	0.578

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	-1.09	2.19
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	-1.41	2.06
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

chromaticness c^*

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	0.75	0
--------	------	---

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

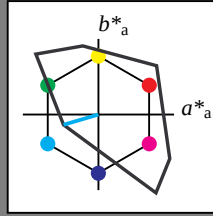
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 91.24 -23.07 -6.77
LAB*LABa 91.14 -23.07 -6.77
LAB*LABb 91.24 -23.07 -6.77

relative CIELAB lab*
lab*lab 0.978 -0.239 -0.069
lab*tch 0.875 0.25 0.546
lab*nch 0.0 0.25 0.545
relative Natural Colour (NC)
lab*trj 0.978 -0.239 -0.069
lab*tce 0.875 0.25 0.546
lab*nce 0.0 0.25 0.545

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.43 -11.53 -3.38
LAB*LABa 69.43 -11.53 -3.38
LAB*LABb 69.43 -11.53 -3.38

relative CIELAB lab*
lab*lab 0.728 -0.239 -0.069
lab*tch 0.625 0.25 0.545
lab*nch 0.25 0.25 0.545
relative Natural Colour (NC)
lab*trj 0.728 -0.239 -0.069
lab*tce 0.625 0.25 0.545
lab*nce 0.25 0.25 0.545

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.29 -23.08 -6.77
LAB*LABa 47.29 -23.08 -6.77
LAB*LABb 47.29 -23.08 -6.77

relative CIELAB lab*
lab*lab 0.5 0.75 0.75 (1.0)
lab*tch 0.5 0.25 0.25 (0.0)
lab*nch 0.25 0.25 0.545
relative Natural Colour (NC)
lab*trj 0.5 0.75 0.75 (1.0)
lab*tce 0.5 0.25 0.25 (0.0)
lab*nce 0.25 0.25 0.545

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.75 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 -23.08 -6.77
LAB*LABa 23.87 -23.08 -6.77
LAB*LABb 23.87 -23.08 -6.77

relative CIELAB lab*
lab*lab 0.25 0.75 0.75 (1.0)
lab*tch 0.25 0.25 0.25 (0.0)
lab*nch 0.25 0.25 0.545
relative Natural Colour (NC)
lab*trj 0.25 0.75 0.75 (1.0)
lab*tce 0.25 0.25 0.25 (0.0)
lab*nce 0.25 0.25 0.545

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

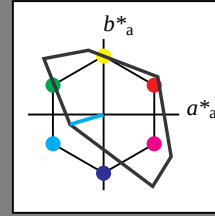
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.72 0.0 0.0
LAB*LABa 46.72 0.0 0.0
LAB*LABb 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.25 0.25 (1.0)
lab*tch 0.0 0.25 0.25 (0.0)
lab*nch 0.0 0.25 0.546
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.25 (1.0)
lab*tce 0.0 0.25 0.25 (0.0)
lab*nce 0.0 0.25 0.546

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

blackness n^*

chromaticness c^*

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 91.27 -22.2 -6.55
LAB*LABa 91.27 -22.2 -6.55
LAB*LABb 91.27 -22.2 -6.55

relative CIELAB lab*
lab*lab 0.946 -0.478 -0.141
lab*tch 0.846 0.25 0.546
lab*nch 0.0 0.25 0.546
relative Natural Colour (NC)
lab*trj 0.946 -0.478 -0.141
lab*tce 0.846 0.25 0.546
lab*nce 0.0 0.25 0.546

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.43 -11.53 -3.38
LAB*LABa 69.43 -11.53 -3.38
LAB*LABb 69.43 -11.53 -3.38

relative CIELAB lab*
lab*lab 0.728 -0.239 -0.069
lab*tch 0.625 0.25 0.545
lab*nch 0.25 0.25 0.545
relative Natural Colour (NC)
lab*trj 0.728 -0.239 -0.069
lab*tce 0.625 0.25 0.545
lab*nce 0.25 0.25 0.545

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.29 -23.08 -6.77
LAB*LABa 47.29 -23.08 -6.77
LAB*LABb 47.29 -23.08 -6.77

relative CIELAB lab*
lab*lab 0.5 0.75 0.75 (1.0)
lab*tch 0.5 0.25 0.25 (0.0)
lab*nch 0.25 0.25 0.545
relative Natural Colour (NC)
lab*trj 0.5 0.75 0.75 (1.0)
lab*tce 0.5 0.25 0.25 (0.0)
lab*nce 0.25 0.25 0.545

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.75 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 -23.08 -6.77
LAB*LABa 23.87 -23.08 -6.77
LAB*LABb 23.87 -23.08 -6.77

relative CIELAB lab*
lab*lab 0.25 0.75 0.75 (1.0)
lab*tch 0.25 0.25 0.25 (0.0)
lab*nch 0.25 0.25 0.545
relative Natural Colour (NC)
lab*trj 0.25 0.75 0.75 (1.0)
lab*tce 0.25 0.25 0.25 (0.0)
lab*nce 0.25 0.25 0.545

$n^* = 1,0$

$n^* = 0,75$

$n^* = 0,50$

blackness n^*

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 196/360 = 0.545 (left)

5 step scales for constant CIELAB hue 196/360 = 0.546 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

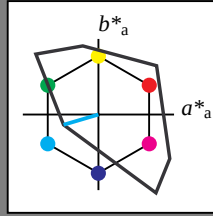
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	91.14	-23.07	-6.77
LAB*LABa	91.14	-23.07	-6.77
LAB*LABb	75.0	0.06	196.37

relative CIELAB lab*

lab*lab	0.978	-0.239	-0.069
lab*tch	0.875	0.25	0.545
lab*nch	0.0	0.25	0.545

relative Natural Colour (NC)

lab*trj	0.978	-0.22	-0.117
lab*tce	0.875	0.25	0.578
lab*nce	0.0	0.25	0.578

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	67.29	-23.08	-6.77
LAB*LABa	67.29	-23.08	-6.77
LAB*LABb	50.0	24.06	196.37

relative CIELAB lab*

lab*lab	0.728	-0.239	-0.069
lab*tch	0.625	0.25	0.545
lab*nch	0.25	0.25	0.545

relative Natural Colour (NC)

lab*trj	0.728	-0.22	-0.117
lab*tce	0.625	0.25	0.578
lab*nce	0.25	0.25	0.578

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	43.45	-23.07	-6.77
LAB*LABa	43.45	-23.07	-6.77
LAB*LABb	25.01	24.06	196.37

relative CIELAB lab*

lab*lab	0.455	-0.479	-0.14
lab*tch	0.25	0.5	0.545
lab*nch	0.5	0.5	0.545

relative Natural Colour (NC)

lab*trj	0.455	-0.44	-0.234
lab*tce	0.25	0.5	0.578
lab*nce	0.5	0.5	0.578

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	21.73	-11.53	-3.38
LAB*LABa	21.73	-11.53	-3.38
LAB*LABb	12.5	12.03	196.37

relative CIELAB lab*

lab*lab	0.228	-0.239	-0.069
lab*tch	0.125	0.25	0.545
lab*nch	0.75	0.25	0.545

relative Natural Colour (NC)

lab*trj	0.228	-0.22	-0.117
lab*tce	0.125	0.25	0.578
lab*nce	0.75	0.25	0.578

$n^* = 0,50$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

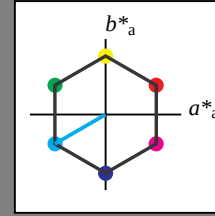
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	46.72	0.0	0.0
LAB*LABa	46.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	13.03	0.0	0.0	
LAB*LABa	13.03	0.0	0.0	
LAB*LABb	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	1.0	0.0	-	

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

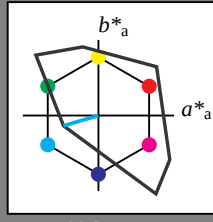
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	91.14	-23.07	-6.77
LAB*LABa	91.14	-23.07	-6.77
LAB*LABb	75.0	0.06	196.37

relative CIELAB lab*

lab*lab	0.978	-0.239	-0.069
lab*tch	0.875	0.25	0.545
lab*nch	0.0	0.25	0.545

relative Natural Colour (NC)

lab*trj	0.978	-0.22	-0.117
lab*tce	0.875	0.25	0.578
lab*nce	0.0	0.25	0.578

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	67.29	-23.08	-6.77
LAB*LABa	67.29	-23.08	-6.77
LAB*LABb	50.0	24.06	196.37

relative CIELAB lab*

lab*lab	0.728	-0.239	-0.069
lab*tch	0.625	0.25	0.545
lab*nch	0.25	0.25	0.545

relative Natural Colour (NC)

lab*trj	0.728	-0.22	-0.117
lab*tce	0.625	0.25	0.578
lab*nce	0.25	0.25	0.578

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	43.45	-23.07	-6.77
LAB*LABa	43.45	-23.07	-6.77
LAB*LABb	25.01	24.06	196.37

relative CIELAB lab*

lab*lab	0.455	-0.479	-0.14
lab*tch	0.25	0.5	0.545
lab*nch	0.5	0.5	0.545

relative Natural Colour (NC)

lab*trj	0.455	-0.44	-0.234
lab*tce	0.25	0.5	0.578
lab*nce	0.5	0.5	0.578

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	21.73	-11.53	-3.38
LAB*LABa	21.73	-11.53	-3.38
LAB*LABb	12.5	12.03	196.37

relative CIELAB lab*

lab*lab	0.228	-0.239	-0.069
lab*tch	0.125	0.25	0.545
lab*nch	0.75	0.25	0.545

relative Natural Colour (NC)

lab*trj	0.228	-0.22	-0.117
lab*tce	0.125	0.25	0.578
lab*nce	0.75	0.25	0.578

$n^* = 0,50$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

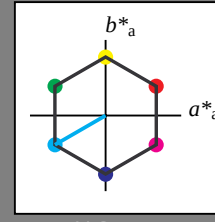
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	12.5	12.03	196.37

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	
---------	-----	--

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

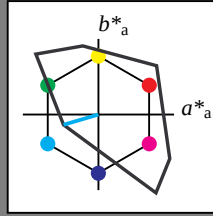
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	91.14	-23.07	-6.77
LAB*LABa	91.14	-23.07	-6.77
LAB*LABb	96.37	24.06	196.37

relative CIELAB lab*

lab*lab	0.978	-0.239	-0.069
lab*tch	0.875	0.25	0.545
lab*nch	0.0	0.5	0.545

relative Natural Colour (NC)

lab*trj	0.978	-0.22	-0.117
lab*tce	0.875	0.25	0.578
lab*nce	0.0	0.25	0.578

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.43	-11.53	-3.38
LAB*LABa	69.43	-11.53	-3.38
LAB*LABb	75.0	12.03	196.37

relative CIELAB lab*

lab*lab	0.728	-0.239	-0.069
lab*tch	0.625	0.25	0.545
lab*nch	0.0	0.25	0.545

relative Natural Colour (NC)

lab*trj	0.728	-0.22	-0.117
lab*tce	0.625	0.25	0.578
lab*nce	0.0	0.25	0.578

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	45.58	-11.53	-3.38
LAB*LABa	45.58	-11.53	-3.38
LAB*LABb	50.0	12.03	196.37

relative CIELAB lab*

lab*lab	0.478	-0.239	-0.069
lab*tch	0.375	0.25	0.545
lab*nch	0.0	0.25	0.545

relative Natural Colour (NC)

lab*trj	0.478	-0.22	-0.117
lab*tce	0.375	0.25	0.578
lab*nce	0.0	0.25	0.578

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.028	-0.239	-0.069
lab*tch	0.125	0.25	0.545
lab*nch	0.0	0.25	0.545

relative Natural Colour (NC)

lab*trj	0.028	-0.22	-0.117
lab*tce	0.125	0.25	0.578
lab*nce	0.0	0.25	0.578

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

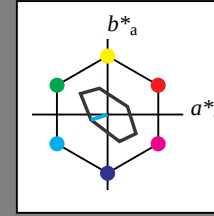
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	93.17	-10.97	-3.53

relative CIELAB lab*

lab*lab	0.956	-0.237	-0.076
lab*tch	0.875	0.25	0.55
lab*nch	0.0	0.25	0.55

relative Natural Colour (NC)

lab*trj	0.956	-0.217	-0.121
lab*tce	0.875	0.25	0.581
lab*nce	0.0	0.25	0.581

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	87.86	-5.48	-1.76
LAB*LABa	87.86	-5.48	-1.76
LAB*LABb	91.53	-19.87	197.87

relative CIELAB lab*

lab*lab	0.706	-0.217	-0.121
lab*tch	0.625	0.25	0.55
lab*nch	0.0	0.25	0.55

relative Natural Colour (NC)

lab*trj	0.706	-0.217	-0.121
lab*tce	0.625	0.25	0.581
lab*nce	0.0	0.25	0.581

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*LABb	86.74	-10.97	-3.53

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.026	-0.237	-0.076
lab*tch	0.125	0.25	0.55
lab*nch	0.0	0.25	0.55

relative Natural Colour (NC)

lab*trj	0.026	-0.217	-0.121
lab*tce	0.125	0.25	0.581
lab*nce	0.0	0.25	0.581

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	93.17	-10.97	-3.53
LAB*LABa	93.17	-10.97	-3.53
LAB*LABb	97.5	11.53	197.87

relative CIELAB lab*

lab*lab	0.913	-0.475	-0.152
lab*tch	0.75	0.25	0.55
lab*nch	0.0	0.25	0.55

relative Natural Colour (NC)

lab*trj	0.913	-0.435	-0.244
lab*tce	0.75	0.25	0.581
lab*nce	0.0	0.25	0.581

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

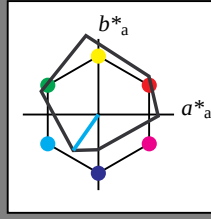
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	1.0	1.0	(1.0)
cmyn3*	0.25	0.0	0.0	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	85.59	-8.62	-9.34
LAB*LABa	85.59	0.0	0.0
LAB*LABb	87.5	-14.5	234.93

relative CIELAB lab*

lab*lab	0.866	-0.143	-0.204
lab*tch	0.875	0.25	0.653
lab*nch	0.0	0.25	0.653

relative Natural Colour (NC)

lab*trj	0.866	-0.13	-0.212
lab*tce	0.875	0.25	0.662
lab*nce	0.0	0.25	0.646

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.75	(1.0)
cmyn3*	0.5	0.25	0.25	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	65.65	-8.35	-9.48
LAB*LABa	65.65	-8.33	-11.87
LAB*LABb	62.5	-14.51	234.93

relative CIELAB lab*

lab*lab	0.616	-0.143	-0.204
lab*tch	0.625	0.25	0.653
lab*nch	0.25	0.25	0.653

relative Natural Colour (NC)

lab*trj	0.616	-0.13	-0.212
lab*tce	0.625	0.25	0.662
lab*nce	0.25	0.25	0.646

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.5	0.5	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	45.72	-9.27	-9.6
LAB*LABa	45.72	-8.33	-11.87
LAB*LABb	37.5	-14.51	234.93

relative CIELAB lab*

lab*lab	0.366	-0.143	-0.204
lab*tch	0.375	0.25	0.653
lab*nch	0.25	0.25	0.653

relative Natural Colour (NC)

lab*trj	0.366	-0.13	-0.212
lab*tce	0.375	0.25	0.662
lab*nce	0.25	0.25	0.646

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	25.78	-9.59	-9.73
LAB*LABa	25.78	-8.32	-11.86
LAB*LABb	12.5	-14.51	234.93

relative CIELAB lab*

lab*lab	0.116	-0.143	-0.204
lab*tch	0.125	0.25	0.653
lab*nch	0.25	0.25	0.653

relative Natural Colour (NC)

lab*trj	0.116	-0.13	-0.212
lab*tce	0.125	0.25	0.662
lab*nce	0.25	0.25	0.646

relative Inform. Technology (IT)

olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	74.87	-17.13	-21.29
LAB*LABa	74.87	-16.66	-23.74
LAB*LABb	75.0	-25.02	234.93

relative CIELAB lab*

lab*lab	0.597	-0.286	-0.408
lab*tch	0.75	0.5	0.653
lab*nch	0.0	0.5	0.653

relative Natural Colour (NC)

lab*trj	0.597	-0.286	-0.424
lab*tce	0.75	0.5	0.662
lab*nce	0.0	0.5	0.646

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.75	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	54.94	-17.46	-21.42
LAB*LABa	54.94	-16.66	-23.74
LAB*LABb	50.0	-25.02	234.93

relative CIELAB lab*

lab*lab	0.481	-0.286	-0.408
lab*tch	0.625	0.5	0.653
lab*nch	0.0	0.5	0.653

relative Natural Colour (NC)

lab*trj	0.481	-0.286	-0.424
lab*tce	0.625	0.5	0.662
lab*nce	0.0	0.5	0.646

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	35.0	-17.78	-21.55
LAB*LABa	35.0	-16.66	-23.74
LAB*LABb	25.01	-25.02	234.93

relative CIELAB lab*

lab*lab	0.231	-0.286	-0.408
lab*tch	0.25	0.5	0.653
lab*nch	0.0	0.5	0.653

relative Natural Colour (NC)

lab*trj	0.231	-0.286	-0.424
lab*tce	0.25	0.5	0.662
lab*nce	0.0	0.5	0.646

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	1.0	1.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	0.25	1.0	1.0	(1.0)
cmyn4*	0.75	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	64.15	-25.64	-33.23
LAB*LABa	64.15	-24.99	-35.61
LAB*LABb	62.5	-43.52	234.93

relative CIELAB lab*

lab*lab	0.597	-0.43	-0.613
lab*tch	0.625	0.75	0.653
lab*nch	0.0	0.75	0.653

relative Natural Colour (NC)

lab*trj	0.597	-0.393	-0.637
lab*tce	0.625	0.75	0.662
lab*nce	0.0	0.75	0.646

relative Inform. Technology (IT)

olvi3*	0.0	0.75	0.75	(1.0)
cmyn3*	1.0	0.25	0.25	(0.0)
olvi4*	0.25	1.0	1.0	(1.0)
cmyn4*	0.75	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	53.44	-34.14	-45.17
LAB*LABa	53.44	-33.32	-47.48
LAB*LABb	50.0	-58.02	234.93

relative CIELAB lab*

lab*lab	0.462	-0.573	-0.817
lab*tch	0.5	1.0	0.653
lab*nch	0.0	1.0	0.653

relative Natural Colour (NC)

lab*trj	0.462	-0.524	-0.85
lab*tce	0.5	1.0	0.662
lab*nce	0.0	1.0	0.646

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	-13.03	-11.03
LAB*LABa	37.36	-11.25	-13.25
LAB*LABb	25.0	-25.02	234.93

relative CIELAB lab*

lab*lab	0.381	-0.139	-0.206
lab*tch	0.375	0.25	0.656
lab*nch	0.25	0.25	0.656

relative Natural Colour (NC)

lab*trj	0.381	-0.123	-0.216
lab*tce	0.375	0.25	0.667
lab*nce	0.25	0.25	0.646

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0.75

$n^* = 0.00$

</

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

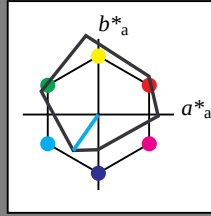
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	74.0	17.13	-21.29
LAB*LABa	74.07	-16.66	-23.74
LAB*LABb	75.0	0.01	234.93

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.75	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	54.94	-17.46	-21.42
LAB*LABa	54.94	-16.66	-23.74
LAB*LABb	50.0	25.02	234.93

relative CIELAB lab*

lab*lab	0.25	0.75	0.75	(1.0)
lab*tch	0.25	0.75	0.75	(0.0)
lab*nch	0.0	0.0	0.0	(0.0)

relative Natural Colour (NC)

lab*trj	0.25	0.75	0.75	(1.0)
lab*tce	0.25	0.75	0.75	(0.0)
lab*nce	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	35.0	-17.78	-21.55
LAB*LABa	35.0	-16.66	-23.74
LAB*LABb	25.01	25.01	234.93

relative CIELAB lab*

lab*lab	0.25	0.5	0.5	(1.0)
lab*tch	0.25	0.5	0.5	(0.0)
lab*nch	0.0	0.0	0.0	(0.0)

relative Natural Colour (NC)

lab*trj	0.25	0.5	0.5	(1.0)
lab*tce	0.25	0.5	0.5	(0.0)
lab*nce	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	25.78	-9.59	-9.73
LAB*LABa	25.78	-8.32	-11.86
LAB*LABb	12.5	24.93	234.93

relative CIELAB lab*

lab*lab	0.116	-0.143	-0.204
lab*tch	0.125	0.25	0.653
lab*nch	0.75	0.25	0.653

relative Natural Colour (NC)

lab*trj	0.116	-0.143	-0.212
lab*tce	0.125	0.25	0.662
lab*nce	0.75	0.25	0.646

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.25	1.0	1.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	0.25	1.0	1.0	(1.0)
cmyn4*	0.75	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	64.15	-24.99	-35.61
LAB*LABa	64.15	-24.99	-35.61
LAB*LABb	62.5	43.52	234.93

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.75	0.75	(1.0)
cmyn3*	1.0	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.75	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	44.22	-25.96	-33.36
LAB*LABa	44.22	-24.99	-35.61
LAB*LABb	37.51	43.52	234.93

relative CIELAB lab*

lab*lab	0.0	0.75	0.75	(1.0)
lab*tch	0.0	0.75	0.75	(0.0)
lab*nch	0.0	0.0	0.0	(0.0)

relative Natural Colour (NC)

lab*trj	0.0	0.75	0.75	(1.0)
lab*tce	0.0	0.75	0.75	(0.0)
lab*nce	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	34.42	-17.46	-21.42
LAB*LABa	34.42	-16.66	-23.74
LAB*LABb	25.01	25.01	234.93

relative CIELAB lab*

lab*lab	0.0	0.5	0.5	(1.0)
lab*tch	0.0	0.5	0.5	(0.0)
lab*nch	0.0	0.0	0.0	(0.0)

relative Natural Colour (NC)

lab*trj	0.0	0.5	0.5	(1.0)
lab*tce	0.0	0.5	0.5	(0.0)
lab*nce	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

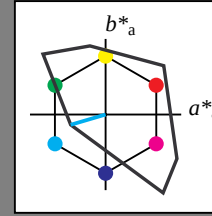
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.41	0.0	0.0
LAB*LABa	96.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*LABb	50.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*ch	0.5	0.0	-	
lab*ncb	0.5	0.0	-	
relative Natural Colour (NC)				
lab*nc	0.5	0.0	0.0	
lab*nce	0.5	0.0	-	

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

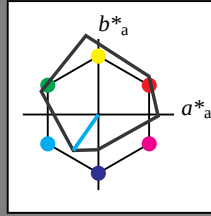
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)									
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	96.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	96.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	-	-	-	-	-	-	-
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-	-	-	-	-	-
lab*nce	0.0	0.0	-	-	-	-	-	-	-

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25	0.25	0.25	0.25	0.25	0.25
standard and adapted CIELAB									
LAB*LAB	76.38	-0.44	2.45	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	-	-	-	-	-	-	-
relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-	-	-	-	-	-
lab*nce	0.25	0.0	-	-	-	-	-	-	-

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
standard and adapted CIELAB									
LAB*LAB	56.44	-0.76	2.32	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	56.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	-	-	-	-	-	-	-
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-	-	-	-	-	-
lab*nce	0.5	0.0	-	-	-	-	-	-	-

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.75	0.75	0.75	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75	0.75	0.75	0.75	0.75	0.75
standard and adapted CIELAB									
LAB*LAB	36.5	-1.09	2.19	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	36.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	-	-	-	-	-	-	-
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-	-	-	-	-	-
lab*nce	0.25	0.0	-	-	-	-	-	-	-

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
standard and adapted CIELAB									
LAB*LAB	16.57	-1.41	2.06	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	16.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	-	-	-	-	-	-	-
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-	-	-	-	-	-
lab*nce	0.0	0.0	-	-	-	-	-	-	-

$n^* = 1,0$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

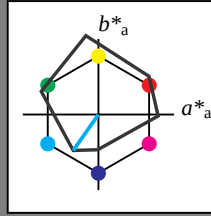
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-
relative CIELAB lab*			
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
relative Natural Colour (NC)			
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.75	0.75	0.75	0.75
0.25	0.25	0.25	0.25
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-
relative CIELAB lab*			
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
relative Natural Colour (NC)			
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.5	0.5	0.5	0.5
0.5	0.5	0.5	0.5
0.5	0.5	0.5	0.5
0.5	0.5	0.5	0.5
0.5	0.5	0.5	0.5
standard and adapted CIELAB			
LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-
relative CIELAB lab*			
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
relative Natural Colour (NC)			
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.25	0.25	0.25	0.25
0.25	0.25	0.25	0.25
0.25	0.25	0.25	0.25
0.25	0.25	0.25	0.25
0.25	0.25	0.25	0.25
standard and adapted CIELAB			
LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-
relative CIELAB lab*			
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
relative Natural Colour (NC)			
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
relative Natural Colour (NC)			
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.5	0.5	0.5	0.5
0.5	0.5	0.5	0.5
0.5	0.5	0.5	0.5
0.5	0.5	0.5	0.5
0.5	0.5	0.5	0.5
standard and adapted CIELAB			
LAB*LAB	74.87	-17.13	-21.29
LAB*LABa	74.87	-16.66	-23.74
LAB*LABb	75.0	0.01	234.93
relative CIELAB lab*			
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
relative Natural Colour (NC)			
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.25	0.25	0.25	0.25
0.25	0.25	0.25	0.25
0.25	0.25	0.25	0.25
0.25	0.25	0.25	0.25
0.25	0.25	0.25	0.25
standard and adapted CIELAB			
LAB*LAB	54.94	-17.46	-21.42
LAB*LABa	54.94	-16.66	-23.74
LAB*LABb	50.0	25.02	234.93
relative CIELAB lab*			
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
relative Natural Colour (NC)			
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	35.0	-17.78	-21.55
LAB*LABa	35.0	-16.66	-23.74
LAB*LABb	25.01	25.01	234.93
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
relative Natural Colour (NC)			
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	25.78	-9.59	-9.73
LAB*LABa	25.78	-8.32	-11.86
LAB*LABb	12.5	1.57	234.93
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
relative Natural Colour (NC)			
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

$n^* = 0,50$

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

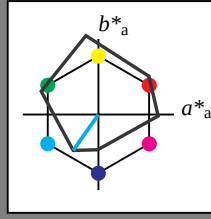
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.0 0.0
LAB*LABa 96.31 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 -0.44 2.45
LAB*LABa 76.38 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 -0.76 2.32
LAB*LABa 56.44 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 -1.09 2.19
LAB*LABa 36.5 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.0 17.13 -21.29
LAB*LABa 74.07 -16.66 -23.74
LAB*LABb 75.0 25.01 234.93

relative CIELAB lab*
lab*lab 0.5 0.0 -0.286 -0.408
lab*tch 0.75 0.5 0.653
lab*nch 0.0 0.5 0.653
relative Natural Colour (NC)
lab*trj 0.5 0.286 -0.408
lab*tce 0.5 0.5 0.662
lab*nce 0.0 0.5 0.646

relative Inform. Technology (IT)
olvi3* 0.25 1.0 1.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 64.15 -25.64 -33.23
LAB*LABa 64.15 -24.99 -35.61
LAB*LABb 62.5 43.52 234.93

relative CIELAB lab*
lab*lab 0.25 0.0 -0.613
lab*tch 0.625 0.75 0.653
lab*nch 0.0 0.75 0.653
relative Natural Colour (NC)
lab*trj 0.25 0.397 -0.637
lab*tce 0.625 0.75 0.662
lab*nce 0.0 0.75 0.646

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.75 (1.0)
cmyn3* 1.0 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 54.94 -17.46 -21.42
LAB*LABa 54.94 -16.66 -23.74
LAB*LABb 50.0 25.02 234.93

relative CIELAB lab*
lab*lab 0.481 -0.286 -0.408
lab*tch 0.5 0.5 0.653
lab*nch 0.0 0.5 0.653
relative Natural Colour (NC)
lab*trj 0.481 -0.286 -0.408
lab*tce 0.5 0.5 0.662
lab*nce 0.0 0.5 0.646

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.0 -17.78 -21.55
LAB*LABa 35.0 -16.66 -23.74
LAB*LABb 25.01 25.01 234.93

relative CIELAB lab*
lab*lab 0.231 -0.286 -0.408
lab*tch 0.25 0.5 0.653
lab*nch 0.0 0.5 0.653
relative Natural Colour (NC)
lab*trj 0.231 -0.286 -0.408
lab*tce 0.25 0.5 0.662
lab*nce 0.0 0.5 0.646

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.01 25.01 234.93

relative CIELAB lab*
lab*lab 0.0 0.25 0.25 (1.0)
lab*tch 0.25 0.25 0.653
lab*nch 0.0 0.25 0.653
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.25 (1.0)
lab*tce 0.25 0.25 0.662
lab*nce 0.0 0.25 0.646

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

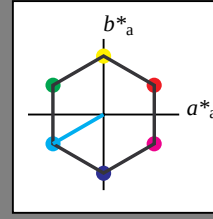
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.0 0.0 0.0
LAB*LABa 25.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.25 0.25 (1.0)
lab*tch 0.25 0.25 0.653
lab*nch 0.0 0.25 0.653
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.25 (1.0)
lab*tce 0.25 0.25 0.662
lab*nce 0.0 0.25 0.646

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.5 -33.5 -19.34
LAB*LABa 82.5 -33.5 -19.34
LAB*LABb 75.0 38.69 210.0

relative CIELAB lab*
lab*lab 0.5 0.0 -0.432 -0.249
lab*tch 0.75 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.5 0.397 -0.637
lab*tce 0.5 0.5 0.662
lab*nce 0.0 0.5 0.646

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.16 -33.5 -19.34
LAB*LABa 63.16 -33.5 -19.34
LAB*LABb 50.0 38.69 210.0

relative CIELAB lab*
lab*lab 0.25 0.0 -0.648 -0.374
lab*tch 0.625 0.75 0.583
lab*nch 0.0 0.75 0.583
relative Natural Colour (NC)
lab*trj 0.25 0.397 -0.637
lab*tce 0.625 0.75 0.662
lab*nce 0.0 0.75 0.646

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -50.26 -29.01
LAB*LABa 56.71 -50.26 -29.01
LAB*LABb 25.01 38.69 210.0

relative CIELAB lab*
lab*lab 0.0 0.5 -0.648 -0.374
lab*tch 0.25 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.0 0.5 0.583
lab*tce 0.25 0.5 0.662
lab*nce 0.0 0.5 0.646

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 43.81 -33.5 -19.34
LAB*LABa 43.81 -33.5 -19.34
LAB*LABb 25.01 38.69 210.0

relative CIELAB lab*
lab*lab

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

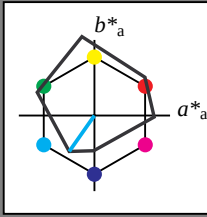
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	74.87	17.13	-21.29
LAB*LABa	74.87	-16.66	-23.74
LAB*LABb	75.0	25.01	234.93

relative CIELAB lab*

lab*lab	0.5	-0.286	-0.408
lab*tch	0.5	0.5	0.653
lab*nch	0.0	0.5	0.653

relative Natural Colour (NC)

lab*trj	0.5	-0.286	-0.408
lab*tce	0.5	0.5	0.662
lab*nce	0.0	0.5	0.646

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.75	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	54.94	-17.46	-21.42
LAB*LABa	54.94	-16.66	-23.74
LAB*LABb	50.0	25.02	234.93

relative CIELAB lab*

lab*lab	0.481	-0.286	-0.408
lab*tch	0.481	0.5	0.653
lab*nch	0.0	0.5	0.653

relative Natural Colour (NC)

lab*trj	0.481	-0.286	-0.408
lab*tce	0.481	0.5	0.662
lab*nce	0.0	0.5	0.646

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	35.0	-17.78	-21.55
LAB*LABa	35.0	-16.66	-23.74
LAB*LABb	25.01	25.01	234.93

relative CIELAB lab*

lab*lab	0.231	-0.286	-0.408
lab*tch	0.231	0.5	0.653
lab*nch	0.0	0.5	0.653

relative Natural Colour (NC)

lab*trj	0.231	-0.286	-0.408
lab*tce	0.231	0.5	0.662
lab*nce	0.0	0.5	0.646

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	25.78	-9.59	-9.73
LAB*LABa	25.78	-8.32	-11.86
LAB*LABb	12.5	1.5	234.93

relative CIELAB lab*

lab*lab	0.116	-0.143	-0.204
lab*tch	0.116	0.25	0.653
lab*nch	0.0	0.25	0.653

relative Natural Colour (NC)

lab*trj	0.116	-0.143	-0.204
lab*tce	0.116	0.25	0.662
lab*nce	0.0	0.25	0.646

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

1,00

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

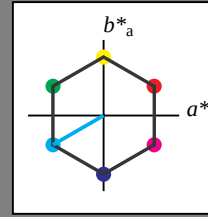
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.75	1.0	1.0	(1.0)
cmyn3*	0.25	0.0	0.0	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-3.15	-19.34
LAB*LABa	76.06	-3.15	-19.34
LAB*LABb	75.0	38.69	210.0

relative CIELAB lab*

lab*lab	0.75	-0.432	-0.249
lab*tch	0.75	0.5	0.583
lab*nch	0.0	0.5	0.583

relative Natural Colour (NC)

lab*trj	0.75	-0.432	-0.249
lab*tce	0.75	0.5	0.609
lab*nce	0.0	0.5	0.636

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.75	(1.0)</
--------	-----	------	------	---------

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

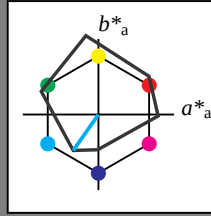
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



DRSXX; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

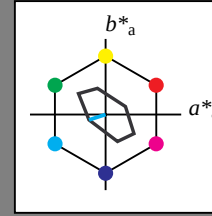
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.0 0.0
LAB*TCu 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 -0.44 2.45
LAB*TCu 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.75 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 54.4 -0.76 2.32
LAB*TCu 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 -1.09 2.19
LAB*TCu 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*TCu 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.0 17.13 -21.29
LAB*TCu 75.0 -16.66 -23.74

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 54.94 -17.46 -21.42
LAB*TCu 50.0 25.02 234.93

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.0 -16.66 -23.74
LAB*TCu 25.01 25.01 234.93

relative CIELAB lab*
lab*lab 0.0 0.5 0.5
lab*tch 0.0 0.5 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.5 0.5
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.5 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.78 -9.59 -9.73
LAB*TCu 25.78 -8.32 -11.86

relative CIELAB lab*
lab*lab 0.0 0.25 0.25
lab*tch 0.0 0.25 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.25
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.25 -

$n^* = 0,50$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 0.25 1.0 1.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 0.25 1.0 1.0 (0.5)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 64.15 -24.99 -35.61
LAB*TCu 62.5 43.52 234.93

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 1.0 1.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 53.44 -34.14 -45.17
LAB*TCu 50.0 58.02 234.93

relative CIELAB lab*
lab*lab 0.0 1.0 1.0
lab*tch 0.0 1.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 1.0 1.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 1.0 -

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*TCu 99.99 0.0 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*TCu 88.98 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.75 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 87.86 -5.48 -1.76
LAB*TCu 87.86 -5.77 197.87

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.56 0.0 0.0
LAB*TCu 82.56 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*TCu 69.7 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.25 0.25
lab*tch 0.0 0.25 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.25
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.25 -

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.75 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 86.74 -10.97 -3.53
LAB*TCu 86.74 -10.97 -3.53

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 86.74 -10.97 -3.53
LAB*TCu 86.74 -10.97 -3.53

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.32 -10.97 -3.53
LAB*TCu 80.32 -10.97 -3.53

relative CIELAB lab*
lab*lab 0.0 0.5 0.5
lab*tch 0.0 0.5 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.5 0.5
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.5 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 75.01 -5.48 -1.76
LAB*TCu 75.01 -5.48 -1.76

relative CIELAB lab*
lab*lab 0.0 0.25 0.25
lab*tch 0.0 0.25 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.25
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.25 -

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 235/360 = 0.653 (left)

5 step scales for constant CIELAB hue 198/360 = 0.55 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

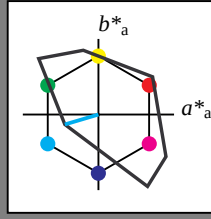
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	0.75	1.0	1.0	(1.0)
cmyn3*	0.25	0.0	0.0	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	93.34	-11.09	-3.27
LAB*LABa	93.34	-11.09	-3.27
LAB*LABb	87.5	11.57	196.46

relative CIELAB lab*

lab*lab	0.973	-0.239	-0.07
lab*tch	0.875	0.25	0.546
lab*nch	0.0	0.25	0.546

relative Natural Colour (NC)

lab*trj	0.973	-0.219	-0.117
lab*tce	0.875	0.25	0.578
lab*nce	0.0	0.25	0.578

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.75	(1.0)
cmyn3*	0.5	0.25	0.25	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	73.99	-11.1	-3.27
LAB*LABa	73.99	-11.1	-3.27
LAB*LABb	75.0	11.58	196.46

relative CIELAB lab*

lab*lab	0.723	-0.239	-0.07
lab*tch	0.625	0.25	0.546
lab*nch	0.25	0.25	0.546

relative Natural Colour (NC)

lab*trj	0.723	-0.219	-0.117
lab*tce	0.625	0.25	0.578
lab*nce	0.25	0.25	0.578

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.5	0.5	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	54.64	-11.1	-3.27
LAB*LABa	54.64	-11.1	-3.27
LAB*LABb	50.0	11.58	196.46

relative CIELAB lab*

lab*lab	0.473	-0.239	-0.07
lab*tch	0.375	0.25	0.546
lab*nch	0.25	0.25	0.546

relative Natural Colour (NC)

lab*trj	0.473	-0.219	-0.117
lab*tce	0.375	0.25	0.578
lab*nce	0.25	0.25	0.578

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	35.29	-11.09	-3.27
LAB*LABa	35.29	-11.09	-3.27
LAB*LABb	35.29	11.57	196.46

relative CIELAB lab*

lab*lab	0.223	-0.239	-0.07
lab*tch	0.125	0.25	0.546
lab*nch	0.25	0.25	0.546

relative Natural Colour (NC)

lab*trj	0.223	-0.219	-0.117
lab*tce	0.125	0.25	0.578
lab*nce	0.25	0.25	0.578

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	91.27	-22.2	-6.55
LAB*LABa	91.27	-22.2	-6.55
LAB*LABb	75.0	31.5	196.46

relative CIELAB lab*

lab*lab	0.946	-0.478	-0.141
lab*tch	0.75	0.5	0.546
lab*nch	0.0	0.5	0.546

relative Natural Colour (NC)

lab*trj	0.946	-0.44	-0.235
lab*tce	0.75	0.5	0.578
lab*nce	0.0	0.5	0.578

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.75	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.93	-22.2	-6.55
LAB*LABa	71.93	-22.2	-6.55
LAB*LABb	50.0	23.16	196.46

relative CIELAB lab*

lab*lab	0.697	-0.479	-0.141
lab*tch	0.5	0.5	0.546
lab*nch	0.25	0.5	0.546

relative Natural Colour (NC)

lab*trj	0.697	-0.44	-0.235
lab*tce	0.5	0.5	0.578
lab*nce	0.25	0.5	0.578

relative Inform. Technology (IT)

olvi3*	0.0	0.75	0.75	(1.0)
cmyn3*	1.0	0.25	0.25	(0.0)
olvi4*	0.25	1.0	1.0	(1.0)
cmyn4*	0.75	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.86	-33.3	-9.83
LAB*LABa	69.86	-33.3	-9.83
LAB*LABb	37.5	34.73	196.46

relative CIELAB lab*

lab*lab	0.67	-0.718	-0.211
lab*tch	0.375	0.75	0.546
lab*nch	0.25	0.75	0.546

relative Natural Colour (NC)

lab*trj	0.67	-0.68	-0.353
lab*tce	0.375	0.75	0.578
lab*nce	0.25	0.75	0.578

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	52.58	-22.2	-6.55
LAB*LABa	52.58	-22.2	-6.55
LAB*LABb	25.0	23.15	196.46

relative CIELAB lab*

lab*lab	0.447	-0.478	-0.141
lab*tch	0.25	0.5	0.546
lab*nch	0.5	0.5	0.546

relative Natural Colour (NC)

lab*trj	0.447	-0.44	-0.235
lab*tce	0.25	0.5	0.578
lab*nce	0.5	0.5	0.578

$n^* = 0,25$

relative Inform. Technology (IT)

olvi3*	0.25	1.0	1.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	0.25	1.0	1.0	(1.0)
cmyn4*	0.75	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	89.2	-33.3	-9.83
LAB*LABa	89.2	-33.3	-9.83
LAB*LABb	62.5	34.73	196.46

relative CIELAB lab*

lab*lab	0.92	-0.718	-0.211
lab*tch	0.625	0.75	0.546
lab*nch	0.0	0.75	0.546

relative Natural Colour (NC)

lab*trj	0.92	-0.68	-0.353
lab*tce	0.625	0.75	0.578
lab*nce	0.0	0.75	0.578

relative Inform. Technology (IT)

olvi3*	0.0	1.0	1.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	0.0	1.0	1.0	(1.0)
cmyn4*	1.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	87.13	-44.4	-13.11
LAB*LABa	87.13	-44.4	-13.11
LAB*LABb	50.0	46.31	196.46

relative CIELAB lab*

lab*lab	0.893	-0.958	-0.282
lab*tch	0.5	1.0	0.546
lab*nch	0.0	1.0	0.546

relative Natural Colour (NC)

lab*trj	0.893	-0.881	-0.47
lab*tce	0.5	1.0	0.578
lab*nce	0.0	1.0	0.578

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.0	0.0
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.75
LAB*LABa	37.36	0.13	0.75
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

$n^* = 0,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

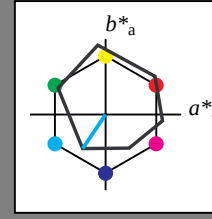
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

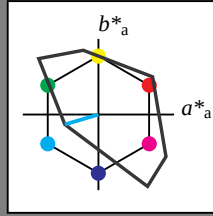
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.00	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.00	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.00	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	91.27	-22.2	-6.55
LAB*LABa	91.27	-22.2	-6.55
LAB*LABb	75.00	0.01	-

relative CIELAB lab*

lab*lab	0.973	-0.239	-0.07
lab*tch	0.973	-0.239	-0.07
lab*nch	0.0	0.25	0.546

relative Natural Colour (NC)

lab*trj	0.973	-0.239	-0.117
lab*tce	0.0	0.25	0.578
lab*nce	0.0	0.25	0.578

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.75	(1.0)
cmyn3*	0.5	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.93	-22.2	-6.55
LAB*LABa	71.93	-22.2	-6.55
LAB*LABb	50.00	0.01	-

relative CIELAB lab*

lab*lab	0.723	-0.239	-0.07
lab*tch	0.723	-0.239	-0.07
lab*nch	0.25	0.25	0.546

relative Natural Colour (NC)

lab*trj	0.723	-0.239	-0.117
lab*tce	0.25	0.25	0.578
lab*nce	0.25	0.25	0.578

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.25	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	54.64	-11.1	-3.27
LAB*LABa	54.64	-11.1	-3.27
LAB*LABb	37.5	0.01	-

relative CIELAB lab*

lab*lab	0.473	-0.239	-0.07
lab*tch	0.473	-0.239	-0.07
lab*nch	0.25	0.25	0.546

relative Natural Colour (NC)

lab*trj	0.473	-0.239	-0.117
lab*tce	0.25	0.25	0.578
lab*nce	0.25	0.25	0.578

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	0.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	35.29	-22.2	-6.55
LAB*LABa	35.29	-22.2	-6.55
LAB*LABb	25.00	0.01	-

relative CIELAB lab*

lab*lab	0.447	-0.478	-0.141
lab*tch	0.447	-0.478	-0.141
lab*nch	0.25	0.5	0.546

relative Natural Colour (NC)

lab*trj	0.447	-0.478	-0.235
lab*tce	0.25	0.5	0.578
lab*nce	0.25	0.5	0.578

$n^* = 0,50$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,75

1,00

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

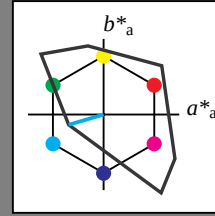
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.93	-22.2	-6.55
LAB*LABa	71.93	-22.2	-6.55
LAB*LABb	75.00	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.00	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.00	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	0.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

0,25

$n^* = 0,50$

0,75

1,00

chromaticness c^*

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

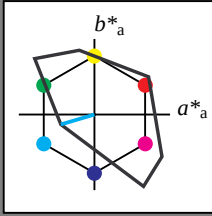
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.00	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.00	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.00	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	91.27	-22.2	-6.55
LAB*LABa	91.27	-22.2	-6.55
LAB*LABb	75.00	0.01	-

relative CIELAB lab*

lab*lab	0.973	-0.239	-0.07
lab*tch	0.973	-0.239	-0.07
lab*nch	0.0	0.25	0.546

relative Natural Colour (NC)

lab*trj	0.973	-0.239	-0.117
lab*tce	0.25	0.546	0.578
lab*nce	0.0	0.25	0.546

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	71.93	-22.2	-6.55
LAB*LABa	71.93	-22.2	-6.55
LAB*LABb	50.00	0.01	-

relative CIELAB lab*

lab*lab	0.697	-0.479	-0.141
lab*tch	0.697	-0.479	-0.141
lab*nch	0.0	0.5	0.546

relative Natural Colour (NC)

lab*trj	0.697	-0.44	-0.235
lab*tce	0.5	0.5	0.578
lab*nce	0.0	0.5	0.546

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(0.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	52.58	-22.2	-6.55
LAB*LABa	52.58	-22.2	-6.55
LAB*LABb	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.447	-0.478	-0.141
lab*tch	0.447	-0.478	-0.141
lab*nch	0.0	0.5	0.546

relative Natural Colour (NC)

lab*trj	0.447	-0.44	-0.235
lab*tce	0.25	0.5	0.578
lab*nce	0.0	0.5	0.546

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	1.0	0.75	0.75	(0.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.00	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

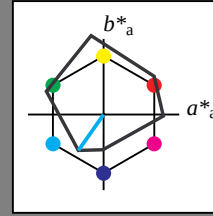
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	-0.44	2.45
LAB*LABb	75.00	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	0.0	0.0
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.00	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	1.09	2.19
LAB*LABa	36.5	1.09	2.19
LAB*LABb	25.00	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	-1.41	2.06
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

chromaticness c^*

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)</

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

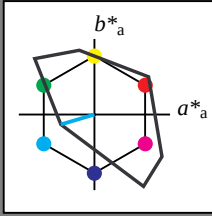
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 91.27 -22.2 -6.55
LAB*LABa 91.27 -22.2 -6.55
LAB*TCHa 93.34 -11.09 -3.27

relative CIELAB lab*
lab*lab 0.973 -0.239 -0.07
lab*tch 0.875 0.25 0.546
lab*nch 0.0 0.25 0.546
relative Natural Colour (NC)
lab*trj 0.973 -0.239 -0.117
lab*tce 0.875 0.25 0.578
lab*nce 0.0 0.25 0.578

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 73.99 -11.1 -3.27
LAB*LABa 73.99 -11.1 -3.27
LAB*TCHa 75.01 -

relative CIELAB lab*
lab*lab 0.723 -0.239 -0.07
lab*tch 0.625 0.25 0.546
lab*nch 0.0 0.25 0.546
relative Natural Colour (NC)
lab*trj 0.723 -0.239 -0.117
lab*tce 0.625 0.25 0.578
lab*nce 0.0 0.25 0.578

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 -11.1 -3.27
LAB*LABa 56.72 -11.1 -3.27
LAB*TCHa 50.01 -

relative CIELAB lab*
lab*lab 0.473 -0.239 -0.07
lab*tch 0.375 0.25 0.546
lab*nch 0.0 0.25 0.546
relative Natural Colour (NC)
lab*trj 0.473 -0.239 -0.117
lab*tce 0.375 0.25 0.578
lab*nce 0.0 0.25 0.578

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 -11.1 -3.27
LAB*LABa 37.37 -11.1 -3.27
LAB*TCHa 25.01 -

relative CIELAB lab*
lab*lab 0.447 -0.478 -0.141
lab*tch 0.25 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*trj 0.447 -0.478 -0.235
lab*tce 0.25 0.5 0.578
lab*nce 0.0 0.5 0.578

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 0.25 1.0 1.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 89.2 -33.3 -9.83
LAB*LABa 89.2 -33.3 -9.83
LAB*TCHa 92.5 34.73 196.46

relative CIELAB lab*
lab*lab 0.92 -0.718 -0.211
lab*tch 0.625 0.75 0.546
lab*nch 0.0 0.75 0.546
relative Natural Colour (NC)
lab*trj 0.92 -0.718 -0.353
lab*tce 0.625 0.75 0.578
lab*nce 0.0 0.75 0.578

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.75 (1.0)
cmyn3* 1.0 0.25 0.25 (0.0)
olvi4* 0.0 1.0 1.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 87.13 -44.4 -13.11
LAB*LABa 87.13 -44.4 -13.11
LAB*TCHa 90.0 46.31 196.46

relative CIELAB lab*
lab*lab 0.893 -0.958 -0.282
lab*tch 0.5 1.0 0.546
lab*nch 0.0 1.0 0.546
relative Natural Colour (NC)
lab*trj 0.893 -0.958 -0.47
lab*tce 0.5 1.0 0.578
lab*nce 0.0 1.0 0.578

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.75 (1.0)
cmyn3* 1.0 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.86 -33.3 -9.83
LAB*LABa 69.86 -33.3 -9.83
LAB*TCHa 92.5 34.73 196.46

relative CIELAB lab*
lab*lab 0.67 -0.718 -0.211
lab*tch 0.375 0.75 0.546
lab*nch 0.0 0.75 0.546
relative Natural Colour (NC)
lab*trj 0.67 -0.718 -0.353
lab*tce 0.375 0.75 0.578
lab*nce 0.0 0.75 0.578

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 -11.1 -3.27
LAB*LABa 56.72 -11.1 -3.27
LAB*TCHa 50.01 -

relative CIELAB lab*
lab*lab 0.447 -0.478 -0.141
lab*tch 0.25 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*trj 0.447 -0.478 -0.235
lab*tce 0.25 0.5 0.578
lab*nce 0.0 0.5 0.578

$n^* = 0,25$

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 0,00$

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 9.17 -0.192 -0.157
LAB*LABa 9.17 -0.192 -0.157
LAB*TCHa 12.5 28.84 210.0

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.167 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.167 -0.215 -0.315
lab*tce 0.167 0.25 0.609
lab*nce 0.0 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 9.17 -0.192 -0.157
LAB*LABa 9.17 -0.192 -0.157
LAB*TCHa 12.5 28.84 210.0

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.167 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.167 -0.215 -0.315
lab*tce 0.167 0.25 0.609
lab*nce 0.0 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 9.17 -0.192 -0.157
LAB*LABa 9.17 -0.192 -0.157
LAB*TCHa 12.5 28.84 210.0

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.167 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.167 -0.215 -0.315
lab*tce 0.167 0.25 0.609
lab*nce 0.0 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 9.17 -0.192 -0.157
LAB*LABa 9.17 -0.192 -0.157
LAB*TCHa 12.5 28.84 210.0

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.167 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.167 -0.215 -0.315
lab*tce 0.167 0.25 0.609
lab*nce 0.0 0.25 0.609

$n^* = 0,00$

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 9.17 -0.192 -0.157
LAB*LABa 9.17 -0.192 -0.157
LAB*TCHa 12.5 28.84 210.0

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.167 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.167 -0.215 -0.315
lab*tce 0.167 0.25 0.609
lab*nce 0.0 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 9.17 -0.192 -0.157
LAB*LABa 9.17 -0.192 -0.157
LAB*TCHa 12.5 28.84 210.0

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.167 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.167 -0.215 -0.315
lab*tce 0.167 0.25 0.609
lab*nce 0.0 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 9.17 -0.192 -0.157
LAB*LABa 9.17 -0.192 -0.157
LAB*TCHa 12.5 28.84 210.0

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.167 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.167 -0.215 -0.315
lab*tce 0.167 0.25 0.609
lab*nce 0.0 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 9.17 -0.192 -0.157
LAB*LABa 9.17 -0.192 -0.157
LAB*TCHa 12.5 28.84 210.0

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.167 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.167 -0.215 -0.315
lab*tce 0.167 0.25 0.609
lab*nce 0.0 0.25 0.609

$n^* = 0,00$

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 9.17 -0.192 -0.157
LAB*LABa 9.17 -0.192 -0.157
LAB*TCHa 12.5 28.84 210.0

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.167 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.167 -0.215 -0.315
lab*tce 0.167 0.25 0.609
lab*nce 0.0 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 9.17 -0.192 -0.157
LAB*LABa 9.17 -0.192 -0.157
LAB*TCHa 12.5 28.84 210.0

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.167 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.167 -0.215 -0.315
lab*tce 0.167 0.25 0.609
lab*nce 0.0 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 9.17 -0.192 -0.157
LAB*LABa 9.17 -0.192 -0.157
LAB*TCHa 12.5 28.84 210.0

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.167 0.25 0.

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

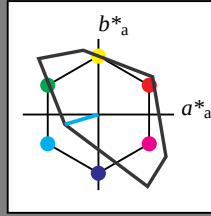
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

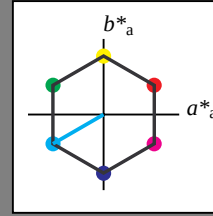
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 196/360 = 0.546 (left)

5 step scales for constant CIELAB hue 210/360 = 0.583 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

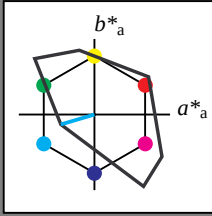
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi8*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi9*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi10*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi11*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi12*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi8*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi9*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi10*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi11*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi12*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi6*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi7*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi8*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi9*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi10*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi11*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi12*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi5*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi8*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi9*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi10*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi11*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi12*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi8*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi9*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi10*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi11*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi12*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi8*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi9*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi10*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi11*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi12*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi6*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi7*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi8*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi9*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi10*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi11*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi12*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi5*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi8*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi9*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi10*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi11*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi12*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi8*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi9*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi10*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi11*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi12*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi8*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi9*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi10*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi11*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi12*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

6/360 = 0

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

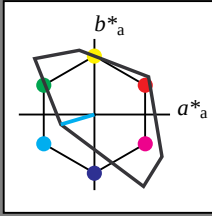
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi8*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi9*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi10*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi11*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi12*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi8*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi9*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi10*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi11*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi12*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi6*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi7*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi8*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi9*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi10*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi11*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi12*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi5*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi8*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi9*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi10*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi11*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi12*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi8*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi9*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi10*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi11*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi12*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi6*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi7*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi8*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi9*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi10*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi11*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi12*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi6*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi7*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi8*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi9*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi10*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi11*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi12*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi6*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi7*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi8*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi9*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi10*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi11*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi12*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi6*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi7*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi8*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi9*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi10*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi11*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi12*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

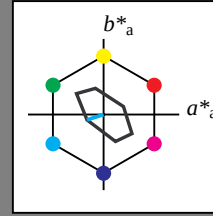
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi8*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi9*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi10*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi11*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi12*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	
----------------------------------	--

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

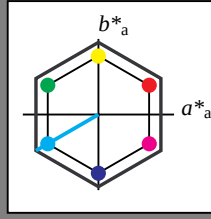
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 79.17 0.0 0.0
LAB*LABa 79.17 0.0 0.0
LAB*TCa 81.26 0.02 -

relative CIELAB lab*
lab*lab 0.917 -0.215 -0.124
lab*tch 0.875 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.917 -0.132 -0.157
lab*tce 0.875 0.25 0.609
lab*nce 0.0 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.61 0.0 0.0
LAB*LABa 63.61 0.0 0.0
LAB*TCa 62.5 0.02 -

relative CIELAB lab*
lab*lab 0.667 -0.216 -0.124
lab*tch 0.625 0.25 0.583
lab*nch 0.25 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.667 -0.133 -0.157
lab*tce 0.625 0.25 0.609
lab*nce 0.25 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 31.81 0.0 0.0
LAB*LABa 31.81 0.0 0.0
LAB*TCa 31.81 0.02 -

relative CIELAB lab*
lab*lab 0.417 -0.216 -0.124
lab*tch 0.375 0.25 0.583
lab*nch 0.25 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.417 -0.133 -0.157
lab*tce 0.375 0.25 0.609
lab*nce 0.25 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 15.91 0.0 0.0
LAB*LABa 15.91 0.0 0.0
LAB*TCa 15.91 0.02 -

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.125 0.25 0.583
lab*nch 0.75 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.167 -0.132 -0.157
lab*tce 0.125 0.25 0.609
lab*nce 0.75 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 1.0 1.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 31.81 0.0 0.0
LAB*LABa 31.81 0.0 0.0
LAB*TCa 31.81 0.02 -

relative CIELAB lab*
lab*lab 0.583 -0.432 -0.249
lab*tch 0.583 0.25 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.583 -0.386 -0.315
lab*tce 0.5 0.5 0.609
lab*nce 0.0 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.75 (1.0)
cmyn3* 1.0 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.583 -0.432 -0.249
lab*tch 0.583 0.25 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.583 -0.386 -0.315
lab*tce 0.5 0.5 0.609
lab*nce 0.0 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 15.91 0.0 0.0
LAB*LABa 15.91 0.0 0.0
LAB*TCa 15.91 0.02 -

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.125 0.25 0.583
lab*nch 0.75 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.167 -0.132 -0.157
lab*tce 0.125 0.25 0.609
lab*nce 0.75 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

0.75

$n^* = 0.00$

0.25

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

chromaticness c^*

1.00

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

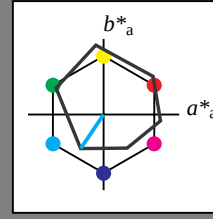
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 9.54 0.0 0.0
LAB*LABa 9.54 0.0 0.0
LAB*TCa 9.54 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.25 0.25 (1.0)
lab*tch 0.0 0.25 0.25 (0.0)
lab*nch 0.0 0.75 0.75 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.25 (0.0)
lab*tce 0.0 0.25 0.25 (0.0)
lab*nce 0.0 0.75 0.75 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 86.21 0.0 0.0
LAB*LABa 86.21 0.0 0.0
LAB*TCa 87.5 0.02 -

relative CIELAB lab*
lab*lab 0.881 -0.139 -0.206
lab*tch 0.875 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.881 -0.123 -0.216
lab*tce 0.875 0.25 0.667
lab*nce 0.0 0.25 0.667

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.86 0.0 0.0
LAB*LABa 66.86 0.0 0.0
LAB*TCa 62.5 0.02 -

relative CIELAB lab*
lab*lab 0.631 -0.139 -0.206
lab*tch 0.625 0.25 0.656
lab*nch 0.25 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.631 -0.123 -0.216
lab*tce 0.625 0.25 0.667
lab*nce 0.25 0.25 0.667

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 31.81 0.0 0.0
LAB*LABa 31.81 0.0 0.0
LAB*TCa 31.81 0.02 -

relative CIELAB lab*
lab*lab 0.512 -0.278 -0.414
lab*tch 0.512 0.25 0.656
lab*nch 0.25 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.512 -0.247 -0.433
lab*tce 0.5 0.5 0.667
lab*nce 0.25 0.25 0.667

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 9.54 0.0 0.0
LAB*LABa 9.54 0.0 0.0
LAB*TCa 9.54 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.25 0.25 (1.0)
lab*tch 0.0 0.25 0.25 (0.0)
lab*nch 0.0 0.75 0.75 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.25 (0.0)
lab*tce 0.0 0.25 0.25 (0.0)
lab*nce 0.0 0.75 0.75 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 77.01 0.0 0.0
LAB*LABa 77.01 0.0 0.0
LAB*TCa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.762 -0.278 -0.414
lab*tch 0.75 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.762 -0.247 -0.433
lab*t

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

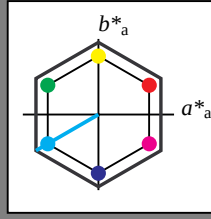
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 79.17 0.0 0.0
LAB*LABa 79.17 0.0 0.0
LAB*TCHa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.833 -0.432 -0.249
lab*tch 0.75 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.833 -0.386 -0.315
lab*tce 0.5 0.5 0.609
lab*nce 0.0 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.66 -41.3 -23.84
LAB*LABa 55.66 -41.3 -23.84
LAB*TCHa 50.0 47.7 210.0

relative CIELAB lab*
lab*lab 0.583 -0.432 -0.249
lab*tch 0.5 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.583 -0.386 -0.315
lab*tce 0.5 0.5 0.609
lab*nce 0.25 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 31.81 -41.29 -23.84
LAB*LABa 31.81 -41.29 -23.84
LAB*TCHa 25.01 47.69 210.0

relative CIELAB lab*
lab*lab 0.333 -0.432 -0.249
lab*tch 0.25 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.333 -0.386 -0.315
lab*tce 0.25 0.5 0.609
lab*nce 0.0 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.25 0.25 (0.0)
olvi4* 0.5 0.75 0.75 (1.0)
cmyn4* 0.5 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 15.91 -20.64 -11.91
LAB*LABa 15.91 -20.64 -11.91
LAB*TCHa 12.5 23.84 210.0

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.125 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.167 -0.132 -0.157
lab*tce 0.125 0.25 0.609
lab*nce 0.0 0.25 0.609

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

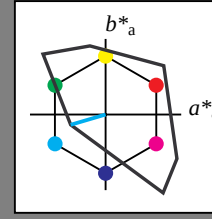
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 95.38 210.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

chromaticness c^*

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 91.14 -23.07 -6.77
LAB*LABa 91.14 -23.07 -6.77
LAB*TCHa 75.0 24.06 196.37

relative CIELAB lab*
lab*lab 0.955 -0.479 -0.14
lab*tch 0.75 0.5 0.545
lab*nch 0.0 0.5 0.545
relative Natural Colour (NC)
lab*trj 0.955 -0.44 -0.234
lab*tce 0.75 0.5 0.578
lab*nce 0.0 0.5 0.578

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.43 -11.53 -3.38
LAB*LABa 69.43 -11.53 -3.38
LAB*TCHa 50.0 12.03 196.37

relative CIELAB lab*
lab*lab 0.728 -0.239 -0.069
lab*tch 0.625 0.25 0.545
lab*nch 0.25 0.25 0.545
relative Natural Colour (NC)
lab*trj 0.728 -0.22 -0.117
lab*tce 0.625 0.25 0.578
lab*nce 0.25 0.25 0.578

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 95.38 210.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

5 step scales for constant CIELAB hue 196/360 = 0.545 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

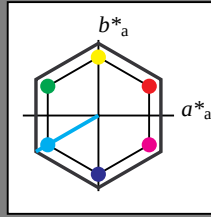
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	79.1	-41.29	-23.84
LAB*LABa	79.5	-41.29	-23.84
LAB*LABb	75.0	47.69	210.0

relative CIELAB lab*

lab*lab	0.833	-0.432	-0.249
lab*tch	0.75	0.5	0.583
lab*nch	0.0	0.5	0.583

relative Natural Colour (NC)

lab*trj	0.833	-0.386	-0.315
lab*tce	0.5	0.5	0.609
lab*nce	0.0	0.5	0.609

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.75	(1.0)
cmyn3*	0.5	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	55.66	-41.3	-23.84
LAB*LABa	55.66	-41.3	-23.84
LAB*LABb	50.0	47.7	210.0

relative CIELAB lab*

lab*lab	0.667	-0.216	-0.124
lab*tch	0.625	0.25	0.583
lab*nch	0.25	0.25	0.583

relative Natural Colour (NC)

lab*trj	0.667	-0.193	-0.157
lab*tce	0.625	0.25	0.609
lab*nce	0.25	0.25	0.609

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.5	0.5	(0.0)
olvi4*	0.25	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	39.76	-20.65	-11.92
LAB*LABa	39.76	-20.65	-11.92
LAB*LABb	37.5	23.85	210.0

relative CIELAB lab*

lab*lab	0.417	-0.216	-0.124
lab*tch	0.375	0.25	0.583
lab*nch	0.25	0.25	0.583

relative Natural Colour (NC)

lab*trj	0.417	-0.193	-0.157
lab*tce	0.375	0.25	0.609
lab*nce	0.25	0.25	0.609

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	31.81	-41.29	-23.84
LAB*LABa	31.81	-41.29	-23.84
LAB*LABb	25.01	47.69	210.0

relative CIELAB lab*

lab*lab	0.333	-0.432	-0.249
lab*tch	0.25	0.5	0.583
lab*nch	0.0	0.5	0.583

relative Natural Colour (NC)

lab*trj	0.333	-0.386	-0.315
lab*tce	0.25	0.5	0.609
lab*nce	0.0	0.5	0.609

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

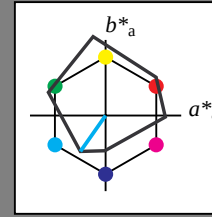
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	-0.11	2.58
LAB*LABa	96.31	-0.11	2.58
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	-0.44	2.45
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	63.61	-82.59	-47.68
LAB*LABa	63.61	-82.59	-47.68
LAB*LABb	50.0	95.38	210.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	-1.09	2.19
LAB*LABb	35.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	-1.41	2.06
LAB*LABb	15.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

chromaticness c^*

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)			
olvi3*	0.5	1.0	1.0 (1.0)
cmyn3*	0.5	0.0	0.0 (0.0)
olvi4*	0.5	1.0	1.0 (1.0)
cmyn4*	0.5	0.0	0.0 (0.0)
standard and adapted CIELAB			
LAB*LAB	74.87	-17.13	-21.29
LAB*LABa	74.87	19.43	63.74
LAB*TCHa	75.0	29.01	234.93
relative CIELAB lab*			
lab*lab	0.731	-0.286	-0.408
lab*tc	0.75	0.5	0.653
lab*nch	0.0	0.5	0.653
relative Natural Colour (NC)			
lab*lab	0.731	-0.282	-0.422
lab*tc	0.75	0.5	0.664
lab*ncE	0.0	0.5	g64b

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

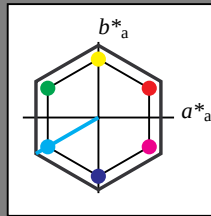
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 79.1 0.0 0.0
LAB*LABa 79.1 -41.29 -23.84
LAB*TCHa 79.1 -41.29 -23.84
LAB*TCHa 75.0 47.69 210.0

relative CIELAB lab*
lab*lab 0.833 -0.432 -0.249
lab*tch 0.75 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.75 -0.386 -0.315
lab*tce 0.5 0.5 0.609
lab*nce 0.0 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.25 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.61 -82.59 -47.68
LAB*LABa 63.61 -82.59 -47.68
LAB*TCHa 63.61 -82.59 -47.68
LAB*TCHa 50.0 95.38 210.0

relative CIELAB lab*
lab*lab 0.75 -0.648 -0.374
lab*tch 0.625 0.75 0.583
lab*nch 0.0 0.75 0.583
relative Natural Colour (NC)
lab*trj 0.75 -0.58 -0.474
lab*tce 0.625 0.75 0.609
lab*nce 0.0 0.75 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.75 (1.0)
cmyn3* 1.0 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.71 -61.95 -35.76
LAB*LABa 47.71 -61.95 -35.76
LAB*TCHa 47.71 -61.95 -35.76
LAB*TCHa 37.51 71.54 210.0

relative CIELAB lab*
lab*lab 0.5 -0.648 -0.374
lab*tch 0.375 0.75 0.583
lab*nch 0.0 0.75 0.583
relative Natural Colour (NC)
lab*trj 0.5 -0.58 -0.474
lab*tce 0.375 0.75 0.609
lab*nce 0.0 0.75 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 31.81 -41.29 -23.84
LAB*LABa 31.81 -41.29 -23.84
LAB*TCHa 31.81 -41.29 -23.84
LAB*TCHa 25.01 47.69 210.0

relative CIELAB lab*
lab*lab 0.333 -0.432 -0.249
lab*tch 0.25 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.333 -0.386 -0.315
lab*tce 0.25 0.5 0.609
lab*nce 0.0 0.5 0.609

$n^* = 0,50$

1,00

0,75

$n^* = 0,00$

0,25

0,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

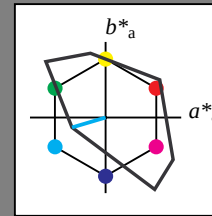
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 95.38 210.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 91.27 -22.2 -6.55
LAB*LABa 91.27 -22.2 -6.55
LAB*TCHa 91.27 -22.2 -6.55
LAB*TCHa 75.0 23.15 196.46

relative CIELAB lab*
lab*lab 0.946 -0.478 -0.141
lab*tch 0.75 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*trj 0.946 -0.44 -0.235
lab*tce 0.75 0.5 0.578
lab*nce 0.0 0.5 0.578

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.93 -22.2 -6.55
LAB*LABa 71.93 -22.2 -6.55
LAB*TCHa 71.93 -22.2 -6.55
LAB*TCHa 50.0 23.16 196.46

relative CIELAB lab*
lab*lab 0.723 -0.239 -0.07
lab*tch 0.625 0.75 0.546
lab*nch 0.0 0.75 0.546
relative Natural Colour (NC)
lab*trj 0.723 -0.219 -0.117
lab*tce 0.625 0.75 0.578
lab*nce 0.0 0.75 0.578

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 95.38 210.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

5 step scales for constant CIELAB hue 196/360 = 0.546 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

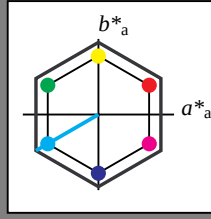
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCBa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCBa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCBa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCBa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 79.17 0.0 0.0
LAB*LABa 79.17 0.0 0.0
LAB*TCBa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.833 -0.432 -0.249
lab*tch 0.75 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.75 -0.386 -0.315
lab*tce 0.5 0.5 0.609
lab*nce 0.0 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.66 -41.3 -23.84
LAB*LABa 55.66 -41.3 -23.84
LAB*TCBa 50.0 47.7 210.0

relative CIELAB lab*
lab*lab 0.667 -0.216 -0.124
lab*tch 0.625 0.25 0.583
lab*nch 0.25 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.667 -0.193 -0.157
lab*tce 0.625 0.25 0.609
lab*nce 0.25 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 31.81 -41.29 -23.84
LAB*LABa 31.81 -41.29 -23.84
LAB*TCBa 25.01 47.69 210.0

relative CIELAB lab*
lab*lab 0.333 -0.432 -0.249
lab*tch 0.25 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.333 -0.386 -0.315
lab*tce 0.25 0.5 0.609
lab*nce 0.0 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 15.91 -20.64 -11.91
LAB*LABa 15.91 -20.64 -11.91
LAB*TCBa 12.5 23.84 210.0

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.125 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.167 -0.192 -0.157
lab*tce 0.125 0.25 0.609
lab*nce 0.0 0.25 0.609

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

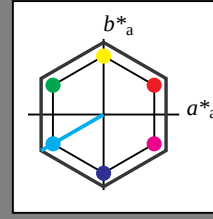
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCBa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCBa 50.0 95.38 210.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCBa 25.0 95.38 210.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCBa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

chromaticness c^*

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 79.17 0.0 0.0
LAB*LABa 79.17 0.0 0.0
LAB*TCBa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.833 -0.432 -0.249
lab*tch 0.75 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.75 -0.386 -0.315
lab*tce 0.5 0.5 0.609
lab*nce 0.0 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.66 -41.3 -23.84
LAB*LABa 55.66 -41.3 -23.84
LAB*TCBa 50.0 47.7 210.0

relative CIELAB lab*
lab*lab 0.667 -0.216 -0.124
lab*tch 0.625 0.25 0.583
lab*nch 0.25 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.667 -0.193 -0.157
lab*tce 0.625 0.25 0.609
lab*nce 0.25 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 31.81 -41.29 -23.84
LAB*LABa 31.81 -41.29 -23.84
LAB*TCBa 25.01 47.69 210.0

relative CIELAB lab*
lab*lab 0.333 -0.432 -0.249
lab*tch 0.25 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.333 -0.386 -0.315
lab*tce 0.25 0.5 0.609
lab*nce 0.0 0.5 0.609

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

5 step scales for constant CIELAB hue 210/360 = 0.583 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

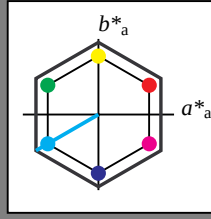
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

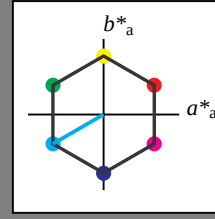
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIE LAB hue 210/360 = 0.583 (left)

5 step scales for constant CIE LAB hue 210/360 = 0.583 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

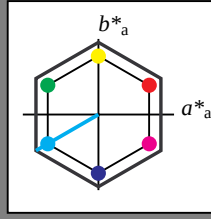
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCa	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCa	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.5	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.5	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	55.66	-41.3	-23.84
LAB*LABa	55.66	-41.3	-23.84
LAB*TCa	50.0	47.7	210.0

relative CIELAB lab*

lab*lab	0.583	-0.432	-0.249
lab*tch	0.75	0.5	0.583
lab*nch	0.0	0.5	0.583

relative Natural Colour (NC)

lab*trj	0.583	-0.386	-0.315
lab*tce	0.5	0.5	0.609
lab*nce	0.0	0.5	0.609

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.5	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	31.81	-41.29	-23.84
LAB*LABa	31.81	-41.29	-23.84
LAB*TCa	25.01	47.69	210.0

relative CIELAB lab*

lab*lab	0.333	-0.432	-0.249
lab*tch	0.25	0.5	0.583
lab*nch	0.0	0.5	0.583

relative Natural Colour (NC)

lab*trj	0.333	-0.386	-0.315
lab*tce	0.25	0.5	0.609
lab*nce	0.0	0.5	0.609

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.25	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	15.91	-20.64	-11.91
LAB*LABa	15.91	-20.64	-11.91
LAB*TCa	12.5	23.84	210.0

relative CIELAB lab*

lab*lab	0.167	-0.215	-0.124
lab*tch	0.125	0.25	0.583
lab*nch	0.0	0.25	0.583

relative Natural Colour (NC)

lab*trj	0.167	-0.132	-0.157
lab*tce	0.125	0.25	0.609
lab*nce	0.0	0.25	0.609

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

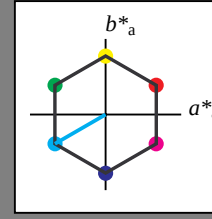
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCa	50.0	95.38	210.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.5	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.06	-33.5	-19.34
LAB*LABa	76.06	-33.5	-19.34
LAB*TCa	75.0	38.69	210.0

relative CIELAB lab*

lab*lab	0.75	-0.432	-0.249
lab*tch	0.75	0.5	0.583
lab*nch	0.0	0.5	0.583

relative Natural Colour (NC)

lab*trj	0.75	-0.386	-0.315
lab*tce	0.5	0.5	0.609
lab*nce	0.0	0.5	0.609

relative Inform. Technology (IT)			
olvi3*	0.25	0.75	(1.0)
cmyn3*	0.75	0.25	(0.0)
olvi4*	1.0	1.0	0.75
cmyn4*	0.5	0.0	0.25
standard and adapted CIELAB			
LAB*Lab	56.71	-33.5	-19.34
LAB*Lab _a	56.71	-33.5	-19.34
LAB*Lab _b	50.0	38.7	210.0
relative Inform. Lab			
lab*lab	0.5	-0.32	-0.249
lab*lab _a	0.5	0.583	
lab*lab _b	0.25	0.5	0.583
relative Natural Colour (NC)			
lab*lab _i	0.5	-0.386	-0.315
lab*lab _c	0.5	0.5	0.609
lab*lab _e	0.25	0.5	0.6436

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

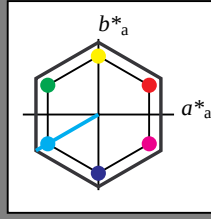
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0.75

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 91.17 -0.125 -0.124
LAB*LABa 91.17 -0.125 -0.124
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 0.917 -0.215 -0.124
lab*tch 0.875 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.917 -0.132 -0.157
lab*tce 0.875 0.25 0.609
lab*nce 0.0 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 79.17 -0.125 -0.124
LAB*LABa 79.17 -0.125 -0.124
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 0.833 -0.432 -0.249
lab*tch 0.75 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.833 -0.386 -0.315
lab*tce 0.75 0.5 0.609
lab*nce 0.0 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.61 -0.125 -0.124
LAB*LABa 63.61 -0.125 -0.124
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 0.833 -0.432 -0.249
lab*tch 0.75 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.833 -0.386 -0.315
lab*tce 0.75 0.5 0.609
lab*nce 0.0 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.66 -0.125 -0.124
LAB*LABa 55.66 -0.125 -0.124
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 0.667 -0.216 -0.124
lab*tch 0.625 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.667 -0.133 -0.157
lab*tce 0.625 0.25 0.609
lab*nce 0.0 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 39.76 -0.125 -0.124
LAB*LABa 39.76 -0.125 -0.124
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 0.583 -0.432 -0.249
lab*tch 0.5 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.583 -0.386 -0.315
lab*tce 0.5 0.5 0.609
lab*nce 0.0 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.0 1.0 1.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 31.81 -0.125 -0.124
LAB*LABa 31.81 -0.125 -0.124
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 0.333 -0.432 -0.249
lab*tch 0.25 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.333 -0.386 -0.315
lab*tce 0.25 0.5 0.609
lab*nce 0.0 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.25 0.25 (0.0)
olvi4* 0.0 1.0 1.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 15.91 -0.125 -0.124
LAB*LABa 15.91 -0.125 -0.124
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.125 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.167 -0.132 -0.157
lab*tce 0.125 0.25 0.609
lab*nce 0.0 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

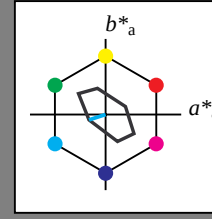
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 15.91 -0.125 -0.124
LAB*LABa 15.91 -0.125 -0.124
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.125 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.167 -0.132 -0.157
lab*tce 0.125 0.25 0.609
lab*nce 0.0 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.0 1.0 1.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 7.13 0.0 0.0
LAB*LABa 7.13 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.25 0.25 (0.0)
olvi4* 0.0 1.0 1.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 2.39 0.0 0.0
LAB*LABa 2.39 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0,00$

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

5 step scales for constant CIELAB hue 198/360 = 0.55 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

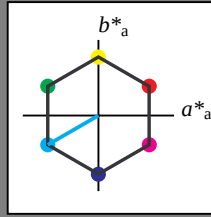
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCa	0.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	43.81	67.03	38.7	77.4	30
YMa	69.61	0.0	77.4	77.4	90
LMa	43.81	-67.02	38.7	77.4	150
CMa	69.61	-67.02	-38.69	77.4	210
VMa	43.81	0.0	-77.39	77.4	270
MMa	69.61	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.1	33.5	-19.34	
LAB*LABa	82.1	33.5	-19.34	
LAB*TCa	75.0	36.69	210.0	
relative CIELAB lab*				
lab*lab	0.833	-0.432	-0.249	
lab*tch	0.75	0.5	0.583	
lab*nch	0.0	0.5	0.583	
relative Natural Colour (NC)				
lab*trj	0.833	-0.386	-0.315	
lab*tce	0.5	0.5	0.609	
lab*nce	0.0	0.5	0.609	

relative Inform. Technology (IT)				
olvi3*	0.25	0.75	0.75	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	63.16	-33.5	-19.34	
LAB*LABa	63.16	-33.5	-19.34	
LAB*TCa	50.0	38.7	210.0	
relative CIELAB lab*				
lab*lab	0.583	-0.432	-0.249	
lab*tch	0.5	0.5	0.583	
lab*nch	0.0	0.5	0.583	
relative Natural Colour (NC)				
lab*trj	0.583	-0.386	-0.315	
lab*tce	0.5	0.5	0.609	
lab*nce	0.25	0.5	0.609	

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	43.81	-33.5	-19.34	
LAB*LABa	43.81	-33.5	-19.34	
LAB*TCa	25.0	38.69	210.0	
relative CIELAB lab*				
lab*lab	0.333	-0.432	-0.249	
lab*tch	0.25	0.5	0.583	
lab*nch	0.0	0.5	0.583	
relative Natural Colour (NC)				
lab*trj	0.333	-0.386	-0.315	
lab*tce	0.25	0.5	0.609	
lab*nce	0.0	0.5	0.609	

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	30.91	-16.74	-9.66	
LAB*LABa	30.91	-16.74	-9.66	
LAB*TCa	12.5	19.34	210.0	
relative CIELAB lab*				
lab*lab	0.167	-0.215	-0.124	
lab*tch	0.125	0.25	0.583	
lab*nch	0.0	0.25	0.583	
relative Natural Colour (NC)				
lab*trj	0.167	-0.132	-0.157	
lab*tce	0.125	0.25	0.609	
lab*nce	0.0	0.25	0.609	

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	0.25	1.0	1.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	0.25	1.0	1.0	(1.0)
cmyn4*	0.75	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.05	-50.26	-29.01	
LAB*LABa	76.05	-50.26	-29.01	
LAB*TCa	62.5	58.04	210.0	
relative CIELAB lab*				
lab*lab	0.75	-0.648	-0.374	
lab*tch	0.625	0.75	0.583	
lab*nch	0.0	0.75	0.583	
relative Natural Colour (NC)				
lab*trj	0.75	-0.58	-0.474	
lab*tce	0.625	0.75	0.609	
lab*nce	0.0	0.75	0.609	

relative Inform. Technology (IT)				
olvi3*	0.0	1.0	1.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	0.0	1.0	1.0	(1.0)
cmyn4*	1.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.61	-67.01	-38.68	
LAB*LABa	69.61	-67.01	-38.68	
LAB*TCa	50.0	77.38	210.0	
relative CIELAB lab*				
lab*lab	0.667	-0.865	-0.499	
lab*tch	0.5	1.0	0.583	
lab*nch	0.0	1.0	0.583	
relative Natural Colour (NC)				
lab*trj	0.667	-0.773	-0.632	
lab*tce	0.5	1.0	0.609	
lab*nce	0.0	1.0	0.609	

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-50.26	-29.01	
LAB*LABa	56.71	-50.26	-29.01	
LAB*TCa	37.5	58.04	210.0	
relative CIELAB lab*				
lab*lab	0.5	-0.648	-0.374	
lab*tch	0.375	0.75	0.583	
lab*nch	0.0	0.75	0.583	
relative Natural Colour (NC)				
lab*trj	0.5	-0.58	-0.474	
lab*tce	0.375	0.75	0.609	
lab*nce	0.0	0.75	0.609	

0,75

chroma

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

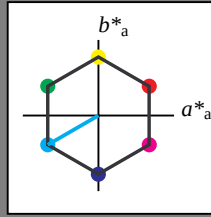
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.75 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 82.16 \ 0.0 \ 0.0$
 $LAB^*TCha \ 82.5 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.833 \ -0.432 \ -0.249$
 $lab^*tch \ 0.75 \ 0.5 \ 0.583$
 $lab^*nch \ 0.0 \ 0.5 \ 0.583$
 relative Natural Colour (NC)
 $lab^*trj \ 0.833 \ -0.386 \ -0.315$
 $lab^*tce \ 0.5 \ 0.5 \ 0.609$
 $lab^*nce \ 0.0 \ 0.5 \ 0.609$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 63.16 \ -33.5 \ -19.34$
 $LAB^*TCha \ 50.0 \ 38.7 \ 210.0$

relative CIELAB lab*
 $lab^*lab \ 0.583 \ -0.432 \ -0.249$
 $lab^*tch \ 0.5 \ 0.5 \ 0.583$
 $lab^*nch \ 0.0 \ 0.5 \ 0.583$
 relative Natural Colour (NC)
 $lab^*trj \ 0.583 \ -0.386 \ -0.315$
 $lab^*tce \ 0.5 \ 0.5 \ 0.609$
 $lab^*nce \ 0.25 \ 0.5 \ 0.609$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 43.81 \ -33.5 \ -19.34$
 $LAB^*TCha \ 25.01 \ 38.69 \ 210.0$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ -0.648 \ -0.374$
 $lab^*tch \ 0.375 \ 0.75 \ 0.583$
 $lab^*nch \ 0.0 \ 0.5 \ 0.583$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ -0.58 \ -0.474$
 $lab^*tce \ 0.375 \ 0.5 \ 0.609$
 $lab^*nce \ 0.25 \ 0.75 \ 0.609$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.25 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.75 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

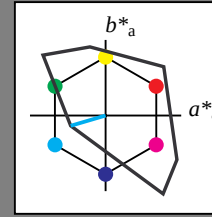
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 77.38 \ 210.0$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.75 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 91.14 \ -23.07 \ -6.77$
 $LAB^*TCha \ 75.0 \ 24.06 \ 196.37$

relative CIELAB lab*
 $lab^*lab \ 0.955 \ -0.479 \ -0.14$
 $lab^*tch \ 0.75 \ 0.5 \ 0.545$
 $lab^*nch \ 0.0 \ 0.5 \ 0.545$
 relative Natural Colour (NC)
 $lab^*trj \ 0.955 \ -0.44 \ -0.234$
 $lab^*tce \ 0.5 \ 0.5 \ 0.578$
 $lab^*nce \ 0.0 \ 0.5 \ 0.578$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 67.29 \ -23.08 \ -6.77$
 $LAB^*TCha \ 50.0 \ 24.06 \ 196.37$

relative CIELAB lab*
 $lab^*lab \ 0.705 \ -0.479 \ -0.14$
 $lab^*tch \ 0.5 \ 0.5 \ 0.545$
 $lab^*nch \ 0.0 \ 0.5 \ 0.545$
 relative Natural Colour (NC)
 $lab^*trj \ 0.705 \ -0.44 \ -0.234$
 $lab^*tce \ 0.5 \ 0.5 \ 0.578$
 $lab^*nce \ 0.25 \ 0.5 \ 0.578$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 45.58 \ -11.53 \ -3.38$
 $LAB^*TCha \ 37.5 \ 12.03 \ 196.37$

relative CIELAB lab*
 $lab^*lab \ 0.683 \ -0.719 \ -0.21$
 $lab^*tch \ 0.375 \ 0.75 \ 0.545$
 $lab^*nch \ 0.0 \ 0.5 \ 0.545$
 relative Natural Colour (NC)
 $lab^*trj \ 0.683 \ -0.691 \ -0.352$
 $lab^*tce \ 0.375 \ 0.5 \ 0.578$
 $lab^*nce \ 0.25 \ 0.75 \ 0.578$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.25 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 21.73 \ -11.53 \ -3.38$
 $LAB^*TCha \ 12.5 \ 12.03 \ 196.37$

relative CIELAB lab*
 $lab^*lab \ 0.455 \ -0.479 \ -0.14$
 $lab^*tch \ 0.25 \ 0.5 \ 0.545$
 $lab^*nch \ 0.0 \ 0.5 \ 0.545$
 relative Natural Colour (NC)
 $lab^*trj \ 0.455 \ -0.44 \ -0.234$
 $lab^*tce \ 0.25 \ 0.5 \ 0.578$
 $lab^*nce \ 0.5 \ 0.5 \ 0.578$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

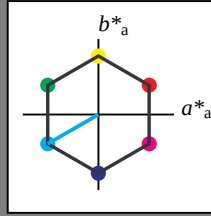
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCHa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCHa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCHa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCHa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCHa	0.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 1,0$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)				
olvi3*	0.75	1.0	1.0	(1.0)
cmyn3*	0.25	0.0	0.0	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	88.95	-16.74	-9.66	
LAB*LABa	88.95	-16.74	-9.66	
LAB*TCHa	87.5	-19.34	21.00	
relative CIELAB lab*				
lab*lab	0.917	-0.215	-0.124	
lab*tch	0.875	0.25	0.583	
lab*nch	0.0	0.25	0.583	
relative Natural Colour (NC)				
lab*trj	0.917	-0.133	-0.157	
lab*tce	0.875	0.25	0.609	
lab*nce	0.0	0.25	0.609	

relative Inform. Technology (IT)				
olvi3*	0.5	0.75	0.75	(1.0)
cmyn3*	0.5	0.25	0.25	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.61	-16.75	-9.67	
LAB*LABa	69.61	-16.75	-9.67	
LAB*TCHa	62.5	-19.35	21.00	
relative CIELAB lab*				
lab*lab	0.667	-0.216	-0.124	
lab*tch	0.625	0.25	0.583	
lab*nch	0.25	0.25	0.583	
relative Natural Colour (NC)				
lab*trj	0.667	-0.133	-0.157	
lab*tce	0.625	0.25	0.609	
lab*nce	0.25	0.25	0.609	

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.5	0.5	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	50.26	-16.75	-9.67	
LAB*LABa	50.26	-16.75	-9.67	
LAB*TCHa	37.5	-19.35	21.00	
relative CIELAB lab*				
lab*lab	0.417	-0.216	-0.124	
lab*tch	0.375	0.25	0.583	
lab*nch	0.25	0.25	0.583	
relative Natural Colour (NC)				
lab*trj	0.417	-0.133	-0.157	
lab*tce	0.375	0.25	0.609	
lab*nce	0.25	0.25	0.609	

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	30.91	-16.74	-9.66	
LAB*LABa	30.91	-16.74	-9.66	
LAB*TCHa	12.5	-19.34	21.00	
relative CIELAB lab*				
lab*lab	0.167	-0.215	-0.124	
lab*tch	0.125	0.25	0.583	
lab*nch	0.25	0.25	0.583	
relative Natural Colour (NC)				
lab*trj	0.167	-0.132	-0.157	
lab*tce	0.125	0.25	0.609	
lab*nce	0.25	0.25	0.609	

$n^* = 0,25$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.1	-33.5	-19.34	
LAB*LABa	82.1	-33.5	-19.34	
LAB*TCHa	75.0	-38.69	21.00	
relative CIELAB lab*				
lab*lab	0.833	-0.432	-0.249	
lab*tch	0.75	0.5	0.583	
lab*nch	0.0	0.5	0.583	
relative Natural Colour (NC)				
lab*trj	0.833	-0.386	-0.315	
lab*tce	0.75	0.5	0.609	
lab*nce	0.0	0.5	0.609	

relative Inform. Technology (IT)				
olvi3*	0.25	0.75	0.75	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	63.16	-33.5	-19.34	
LAB*LABa	63.16	-33.5	-19.34	
LAB*TCHa	50.0	-38.7	21.00	
relative CIELAB lab*				
lab*lab	0.583	-0.432	-0.249	
lab*tch	0.5	0.5	0.583	
lab*nch	0.0	0.5	0.583	
relative Natural Colour (NC)				
lab*trj	0.583	-0.386	-0.315	
lab*tce	0.5	0.5	0.609	
lab*nce	0.25	0.5	0.609	

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	43.81	-33.5	-19.34	
LAB*LABa	43.81	-33.5	-19.34	
LAB*TCHa	25.0	-38.69	21.00	
relative CIELAB lab*				
lab*lab	0.333	-0.432	-0.249	
lab*tch	0.25	0.5	0.583	
lab*nch	0.0	0.5	0.583	
relative Natural Colour (NC)				
lab*trj	0.333	-0.386	-0.315	
lab*tce	0.25	0.5	0.609	
lab*nce	0.5	0.5	0.609	

$n^* = 0,50$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)				
olvi3*	0.25	1.0	1.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	0.25	1.0	1.0	(1.0)
cmyn4*	0.75	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.05	-50.26	-29.01	
LAB*LABa	76.05	-50.26	-29.01	
LAB*TCHa	62.5	-58.04	21.00	
relative CIELAB lab*				
lab*lab	0.75	-0.648	-0.374	
lab*tch	0.625	0.5	0.583	
lab*nch	0.0	0.75	0.583	
relative Natural Colour (NC)				
lab*trj	0.75	-0.58	-0.474	
lab*tce	0.625	0.5	0.609	
lab*nce	0.0	0.75	0.609	

relative Inform. Technology (IT)				
olvi3*	0.0	0.75	0.75	(1.0)
cmyn3*	1.0	0.25	0.25	(0.0)
olvi4*	0.25	1.0	1.0	(1.0)
cmyn4*	0.75	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-50.26	-29.01	
LAB*LABa	56.71	-50.26	-29.01	
LAB*TCbA	37.51	58.04	210.0	
relative CIELAB lab*				
lab*lab	0.5	-0.648	-0.374	
lab*ich	0.375	0.75	0.583	

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

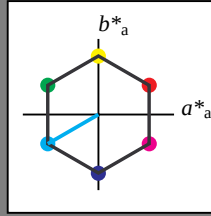
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.25	0.0	0.0	0.25
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.5	0.0	0.0	0.5
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.75	0.0	0.0	0.75
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0
LAB*LABb	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

$n^* = 1,0$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)				
olvi3*	0.75	1.0	1.0	(1.0)
cmyn3*	0.25	0.0	0.0	(0.0)
olvi4*	0.75	1.0	1.0	1.0
cmyn4*	0.25	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	88.95	-16.74	-9.66	0.0
LAB*LABa	88.95	-16.74	-9.66	0.0
LAB*LABb	87.5	-19.34	21.00	0.0
relative CIELAB lab*				
lab*lab	0.917	-0.215	-0.124	0.0
lab*tch	0.875	0.25	0.583	0.0
lab*nch	0.0	0.25	0.583	0.0
relative Natural Colour (NC)				
lab*trj	0.917	-0.132	-0.157	0.0
lab*tce	0.875	0.25	0.609	0.0
lab*nce	0.0	0.25	0.609	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.75	0.75	(1.0)
cmyn3*	0.5	0.25	0.25	(0.0)
olvi4*	0.75	1.0	1.0	1.0
cmyn4*	0.25	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	69.61	-16.75	-9.67	0.0
LAB*LABa	69.61	-16.75	-9.67	0.0
LAB*LABb	62.5	-19.35	21.00	0.0
relative CIELAB lab*				
lab*lab	0.667	-0.216	-0.124	0.0
lab*tch	0.625	0.25	0.583	0.0
lab*nch	0.25	0.25	0.583	0.0
relative Natural Colour (NC)				
lab*trj	0.667	-0.133	-0.157	0.0
lab*tce	0.625	0.25	0.609	0.0
lab*nce	0.25	0.25	0.609	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.5	0.5	(0.0)
olvi4*	0.75	1.0	1.0	1.0
cmyn4*	0.25	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	50.26	-16.75	-9.67	0.0
LAB*LABa	50.26	-16.75	-9.67	0.0
LAB*LABb	37.5	-19.35	21.00	0.0
relative CIELAB lab*				
lab*lab	0.417	-0.216	-0.124	0.0
lab*tch	0.375	0.25	0.583	0.0
lab*nch	0.5	0.25	0.583	0.0
relative Natural Colour (NC)				
lab*trj	0.417	-0.133	-0.157	0.0
lab*tce	0.375	0.25	0.609	0.0
lab*nce	0.5	0.25	0.609	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.75	1.0	1.0	1.0
cmyn4*	0.25	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	30.91	-16.74	-9.66	0.0
LAB*LABa	30.91	-16.74	-9.66	0.0
LAB*LABb	12.5	-19.34	21.00	0.0
relative CIELAB lab*				
lab*lab	0.167	-0.215	-0.124	0.0
lab*tch	0.125	0.25	0.583	0.0
lab*nch	0.75	0.25	0.583	0.0
relative Natural Colour (NC)				
lab*trj	0.167	-0.132	-0.157	0.0
lab*tce	0.125	0.25	0.609	0.0
lab*nce	0.75	0.25	0.609	0.0

NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)				
olvi3*	0.25	1.0	1.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	0.25	1.0	1.0	1.0
cmyn4*	0.75	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	76.05	-50.26	-29.01	0.0
LAB*LABa	76.05	-50.26	-29.01	0.0
LAB*LABb	62.5	58.04	21.00	0.0
relative CIELAB lab*				
lab*lab	0.75	-0.648	-0.374	0.0
lab*tch	0.625	0.75	0.583	0.0
lab*nch	0.0	0.75	0.583	0.0
relative Natural Colour (NC)				
lab*trj	0.75	-0.58	-0.474	0.0
lab*tce	0.625	0.75	0.609	0.0
lab*nce	0.0	0.75	0.609	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.75	0.75	(1.0)
cmyn3*	1.0	0.25	0.25	(0.0)
olvi4*	0.25	1.0	1.0	1.0
cmyn4*	0.75	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	56.71	-50.26	-29.01	0.0
LAB*LABa	56.71	-50.26	-29.01	0.0
LAB*LABb	37.51	58.04	21.00	0.0
relative CIELAB lab*				
lab*lab	0.5	-0.648	-0.374	0.0
lab*tch	0.375	0.75	0.583	0.0
lab*nch	0.0	0.75	0.583	0.0
relative Natural Colour (NC)				
lab*trj	0.5	-0.58	-0.474	0.0
lab*tce	0.375	0.75	0.609	0.0
lab*nce	0.0	0.75	0.609	0.0

$n^* = 0,25$	
bl	

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

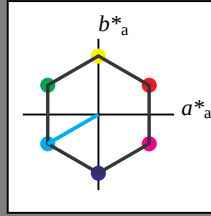
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

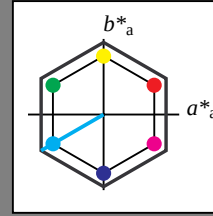
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

5 step scales for constant CIELAB hue 210/360 = 0.583 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

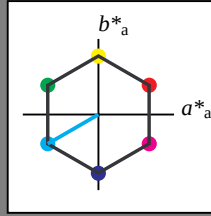
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.5	-33.5	-19.34	
LAB*LABa	82.5	-33.5	-19.34	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.833	-0.432	-0.249	
lab*tch	0.75	0.5	0.583	
lab*nch	0.0	0.5	0.583	
relative Natural Colour (NC)				
lab*trj	0.833	-0.386	-0.315	
lab*tce	0.25	0.5	0.609	
lab*nce	0.0	0.5	0.609	

relative Inform. Technology (IT)				
olvi3*	0.25	0.75	0.75	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	63.16	-33.5	-19.34	
LAB*LABa	63.16	-33.5	-19.34	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.583	-0.432	-0.249	
lab*tch	0.5	0.5	0.583	
lab*nch	0.0	0.5	0.583	
relative Natural Colour (NC)				
lab*trj	0.583	-0.386	-0.315	
lab*tce	0.5	0.5	0.609	
lab*nce	0.0	0.5	0.609	

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	43.81	-33.5	-19.34	
LAB*LABa	43.81	-33.5	-19.34	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.333	-0.432	-0.249	
lab*tch	0.25	0.5	0.583	
lab*nch	0.0	0.5	0.583	
relative Natural Colour (NC)				
lab*trj	0.333	-0.386	-0.315	
lab*tce	0.25	0.5	0.609	
lab*nce	0.0	0.5	0.609	

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	30.91	-16.74	-9.66	
LAB*LABa	30.91	-16.74	-9.66	
LAB*TCRa	12.5	0.01	-	
relative CIELAB lab*				
lab*lab	0.167	-0.215	-0.124	
lab*tch	0.125	0.25	0.583	
lab*nch	0.0	0.25	0.583	
relative Natural Colour (NC)				
lab*trj	0.167	-0.132	-0.157	
lab*tce	0.125	0.25	0.609	
lab*nce	0.0	0.25	0.609	

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	0.25	1.0	1.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	0.25	1.0	1.0	(1.0)
cmyn4*	0.75	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.05	-50.26	-29.01	
LAB*LABa	76.05	-50.26	-29.01	
LAB*TCRa	62.5	58.04	210.0	
relative CIELAB lab*				
lab*lab	0.75	-0.648	-0.374	
lab*tch	0.625	0.75	0.583	
lab*nch	0.0	0.75	0.583	
relative Natural Colour (NC)				
lab*trj	0.75	-0.58	-0.474	
lab*tce	0.625	0.75	0.609	
lab*nce	0.0	0.75	0.609	

relative Inform. Technology (IT)				
olvi3*	0.0	1.0	1.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	0.0	1.0	1.0	(1.0)
cmyn4*	1.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.61	-67.01	-38.68	
LAB*LABa	69.61	-67.01	-38.68	
LAB*TCRa	50.0	77.38	210.0	
relative CIELAB lab*				
lab*lab	0.667	-0.865	-0.499	
lab*tch	0.5	1.0	0.583	
lab*nch	0.0	1.0	0.583	
relative Natural Colour (NC)				
lab*trj	0.667	-0.773	-0.632	
lab*tce	0.5	1.0	0.609	
lab*nce	0.0	1.0	0.609	

relative Inform. Technology (IT)				
olvi3*	0.0	0.75	0.75	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.25	1.0	1.0	(1.0)
cmyn4*	0.75	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-50.26	-29.01	
LAB*LABa	56.71	-50.26	-29.01	
LAB*TCRa	37.5	58.04	210.0	
relative CIELAB lab*				
lab*lab	0.5	-0.648	-0.374	
lab*tch	0.375	0.75	0.583	
lab*nch	0.0	0.75	0.583	
relative Natural Colour (NC)				
lab*trj	0.5	-0.58	-0.474	
lab*tce	0.375	0.75	0.609	
lab*nce	0.0	0.75	0.609	

0,75
chron

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

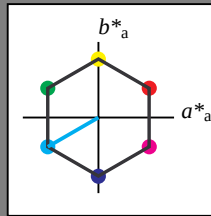
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 70 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.01 -0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.01 -0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.01 -0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 -0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.95 -16.74 -9.66
LAB*LABa 88.95 -16.74 -9.66
LAB*TCRa 87.5 -19.34 21.00

relative CIELAB lab*
lab*lab 0.917 -0.215 -0.124
lab*tch 0.875 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.917 -0.192 -0.157
lab*tce 0.875 0.25 0.609
lab*nce 0.0 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.61 -16.75 -9.67
LAB*LABa 69.61 -16.75 -9.67
LAB*TCRa 62.5 -19.35 21.00

relative CIELAB lab*
lab*lab 0.667 -0.216 -0.124
lab*tch 0.625 0.25 0.583
lab*nch 0.25 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.667 -0.193 -0.157
lab*tce 0.625 0.25 0.609
lab*nce 0.25 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.5 0.5 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.26 -16.75 -9.67
LAB*LABa 50.26 -16.75 -9.67
LAB*TCRa 37.5 -19.35 21.00

relative CIELAB lab*
lab*lab 0.417 -0.216 -0.124
lab*tch 0.375 0.25 0.583
lab*nch 0.25 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.417 -0.193 -0.157
lab*tce 0.375 0.25 0.609
lab*nce 0.25 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.91 -16.74 -9.66
LAB*LABa 30.91 -16.74 -9.66
LAB*TCRa 12.5 -19.34 21.00

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.125 0.25 0.583
lab*nch 0.75 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.167 -0.192 -0.157
lab*tce 0.125 0.25 0.609
lab*nce 0.75 0.25 0.609

$n^* = 0,50$

0,25 0,50 0,75 1,00

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.16 -33.5 -19.34
LAB*LABa 82.16 -33.5 -19.34
LAB*TCRa 75.01 -0.01 -

relative CIELAB lab*
lab*lab 0.833 -0.432 -0.249
lab*tch 0.75 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.833 -0.386 -0.315
lab*tce 0.75 0.5 0.609
lab*nce 0.0 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.16 -33.5 -19.34
LAB*LABa 63.16 -33.5 -19.34
LAB*TCRa 50.0 -38.7 21.00

relative CIELAB lab*
lab*lab 0.583 -0.432 -0.249
lab*tch 0.5 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.583 -0.386 -0.315
lab*tce 0.5 0.5 0.609
lab*nce 0.0 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 43.81 -33.5 -19.34
LAB*LABa 43.81 -33.5 -19.34
LAB*TCRa 25.01 -38.69 21.00

relative CIELAB lab*
lab*lab 0.333 -0.432 -0.249
lab*tch 0.25 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.333 -0.386 -0.315
lab*tce 0.25 0.5 0.609
lab*nce 0.0 0.5 0.609

$n^* = 0,25$

0,25 0,50 0,75 1,00

chromaticness c^*

relative Inform. Technology (IT)
olvi3* 0.25 1.0 1.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 -50.26 -29.01
LAB*LABa 76.07 -50.26 -29.01
LAB*TCRa 75.01 -0.01 -

relative CIELAB lab*
lab*lab 0.75 -0.648 -0.374
lab*tch 0.625 0.75 0.583
lab*nch 0.0 0.75 0.583
relative Natural Colour (NC)
lab*trj 0.75 -0.58 -0.474
lab*tce 0.625 0.75 0.609
lab*nce 0.0 0.75 0.609

relative Inform. Technology (IT)
olvi3* 0.0 1.0 1.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 1.0 1.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.61 -67.01 -38.68
LAB*LABa 69.61 -67.01 -38.68
LAB*TCRa 50.0 -77.38 21.00

relative CIELAB lab*
lab*lab 0.667 -0.865 -0.499
lab*tch 0.5 1.0 0.583
lab*nch 0.0 1.0 0.583
relative Natural Colour (NC)
lab*trj 0.667 -0.773 -0.632
lab*tce 0.5 1.0 0.609
lab*nce 0.0 1.0 0.609

$n^* = 0,00$

0,25

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.01 -0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

$n^* = 0,00$

0,25 0,50 0,75 1,00

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

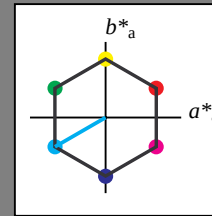
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.01 -0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 -0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.01 -0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 -0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

0,25 0,50 0,75 1,00

chromaticness c^*

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.95 -16.74 -9.66
LAB*LABa 88.95 -16.74 -9.66
LAB*TCRa 87.5 -19.34 21.00

relative CIELAB lab*
lab*lab 0.875 -0.215 -0.124
lab*tch 0.875 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.875 -0.192 -0.157
lab*tce 0.875 0.25 0.609
lab*nce 0.0 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.61 -16.75 -9.67
LAB*LABa 69.61 -16.75 -9.67
LAB*TCRa 62.5 -19.35 21.00

relative CIELAB lab*
lab*lab 0.75 -0.432 -0.249
lab*tch 0.75 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.75 -0.386 -0.315
lab*tce 0.75 0.5 0.609
lab*nce 0.0 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.5 0.5 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.26 -16.75 -9.67
LAB*LABa 50.26 -16.75 -9.67
LAB*TCRa 37.5 -19.35 21.00

relative CIELAB lab*
lab*lab 0.5 -0.432 -0.249
lab*tch 0.5 0.5 0.583
lab*n

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

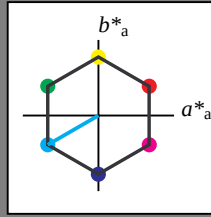
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.01	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.71	0.0	0.0
LAB*LABa	76.06	-33.5	-19.34
LAB*LABb	75.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	-0.432	-0.249
lab*tch	0.75	0.5	0.583
lab*nch	0.0	0.5	0.583

relative Natural Colour (NC)

lab*trj	0.5	-0.386	-0.315
lab*tce	0.5	0.5	0.609
lab*nce	0.0	0.5	0.609

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.75	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-33.5	-19.34
LAB*LABa	56.71	-33.5	-19.34
LAB*LABb	50.0	38.7	210.0

relative CIELAB lab*

lab*lab	0.5	-0.432	-0.249
lab*tch	0.5	0.583	0.583
lab*nch	0.25	0.5	0.583

relative Natural Colour (NC)

lab*trj	0.5	-0.386	-0.315
lab*tce	0.5	0.5	0.609
lab*nce	0.25	0.5	0.609

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	-33.5	-19.34
LAB*LABa	37.36	-33.5	-19.34
LAB*LABb	25.01	38.69	210.0

relative CIELAB lab*

lab*lab	0.25	-0.432	-0.249
lab*tch	0.25	0.583	0.583
lab*nch	0.25	0.5	0.583

relative Natural Colour (NC)

lab*trj	0.25	-0.386	-0.315
lab*tce	0.25	0.5	0.609
lab*nce	0.25	0.5	0.609

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	27.69	-16.74	-9.66
LAB*LABa	27.69	-16.74	-9.66
LAB*LABb	12.5	19.34	210.0

relative CIELAB lab*

lab*lab	0.125	-0.215	-0.124
lab*tch	0.125	0.25	0.583
lab*nch	0.125	0.25	0.583

relative Natural Colour (NC)

lab*trj	0.125	-0.132	-0.157
lab*tce	0.125	0.25	0.609
lab*nce	0.125	0.25	0.609

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

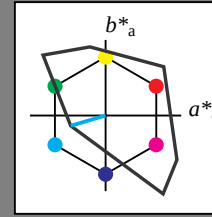
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	77.38	210.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

chromaticness c^*

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	2

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

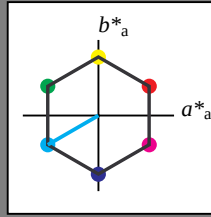
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.71 0.0 0.0
LAB*LABa 76.71 0.0 0.0
LAB*LABb 75.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.01 -

relative CIELAB lab*
lab*lab 0.0 0.5 0.5 (1.0)
lab*tch 0.0 0.5 0.5 (0.0)
lab*nch 0.5 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.5 0.5 (0.0)
lab*tce 0.5 0.0 0.0 (0.0)
lab*nce 0.5 0.5 0.5 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.25 0.25 (1.0)
lab*tch 0.0 0.25 0.25 (0.0)
lab*nch 0.25 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.25 (0.0)
lab*tce 0.25 0.0 0.0 (0.0)
lab*nce 0.25 0.25 0.25 (0.0)

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 235/360 = 0.653$

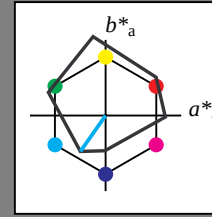
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 0.0 0.0
LAB*LABa 76.38 0.0 0.0
LAB*LABb 75.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 0.0 0.0
LAB*LABa 56.44 0.0 0.0
LAB*LABb 50.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 0.0 0.0
LAB*LABa 36.5 0.0 0.0
LAB*LABb 25.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 0.0 0.0
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

chromaticness c^*

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	42.21	66.82	50.6	83.82	37
YMa	90.32	-16.51	104.33	105.63	99
LMa	48.21	-75.63	30.65	81.61	158
CMa	53.44	-33.33	-47.49	58.03	235
VMa	34.16	-0.92	-46.56	46.58	269
MMa	42.71	79.0	-1.95	79.03	359
NMa	16.56	0.0	0.0	0.0	0
WMa	96.31	0.0	0.0	0.0	0
RCIE	39.92	59.78	25.77	65.1	23
JCIE	81.26	-2.51	69.07	69.11	92
GCIE	52.23	-41.57	11.3	43.09	165
BCIE	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.87 0.0 0.0
LAB*LABa 74.87 0.0 0.0
LAB*LABb 75.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 54.94 0.0 0.0
LAB*LABa 54.94 0.0 0.0
LAB*LABb 50.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.0 0.0 0.0
LAB*LABa 35.0 0.0 0.0
LAB*LABb 25.01 -

relative CIELAB lab*
lab*lab 0.0 0.5 0.5 (1.0)
lab*tch 0.0 0.5 0.5 (0.0)
lab*nch 0.5 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.5 0.5 (0.0)
lab*tce 0.5 0.0 0.0 (0.0)
lab*nce 0.5 0.5 0.5 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 0.0 0.0
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.25 0.25 (1.0)
lab*tch 0.0 0.25 0.25 (0.0)
lab*nch 0.25 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.25 (0.0)
lab*tce 0.25 0.0 0.0 (0.0)
lab*nce 0.25 0.25 0.25 (0.0)

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

5 step scales for constant CIELAB hue 235/360 = 0.653 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

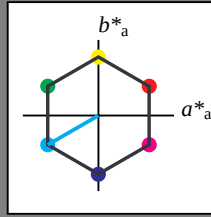
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.01	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)

olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.71	0.0	0.0
LAB*LABa	76.06	-33.5	-19.34
LAB*LABb	75.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	-0.432	-0.249
lab*tch	0.75	0.5	0.583
lab*nch	0.0	0.5	0.583

relative Natural Colour (NC)

lab*trj	0.75	-0.386	0.315
lab*tce	0.25	0.5	0.609
lab*nce	0.0	0.5	0.609

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.75	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-33.5	-19.34
LAB*LABa	56.71	-33.5	-19.34
LAB*LABb	50.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	-0.432	-0.249
lab*tch	0.5	0.5	0.583
lab*nch	0.0	0.5	0.583

relative Natural Colour (NC)

lab*trj	0.5	-0.386	0.315
lab*tce	0.5	0.5	0.609
lab*nce	0.25	0.5	0.609

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	-33.5	-19.34
LAB*LABa	37.36	-33.5	-19.34
LAB*LABb	25.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	-0.432	-0.249
lab*tch	0.25	0.5	0.583
lab*nch	0.0	0.5	0.583

relative Natural Colour (NC)

lab*trj	0.25	-0.386	0.315
lab*tce	0.25	0.5	0.609
lab*nce	0.0	0.5	0.609

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.25	1.0	1.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	0.25	1.0	1.0	(1.0)
cmyn4*	0.75	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	66.38	-50.26	-29.01
LAB*LABa	66.38	-50.26	-29.01
LAB*LABb	62.5	58.04	210.0

relative CIELAB lab*

lab*lab	0.625	-0.648	-0.374
lab*tch	0.625	0.75	0.583
lab*nch	0.0	0.75	0.583

relative Natural Colour (NC)

lab*trj	0.625	-0.58	-0.474
lab*tce	0.625	0.75	0.609
lab*nce	0.0	0.75	0.609

relative Inform. Technology (IT)

olvi3*	0.0	0.75	0.75	(1.0)
cmyn3*	1.0	0.25	0.25	(0.0)
olvi4*	0.25	1.0	1.0	(1.0)
cmyn4*	0.75	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-67.01	-38.68
LAB*LABa	56.71	-67.01	-38.68
LAB*LABb	50.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	-0.865	-0.499
lab*tch	0.5	1.0	0.583
lab*nch	0.0	1.0	0.583

relative Natural Colour (NC)

lab*trj	0.5	-0.773	-0.632
lab*tce	0.5	1.0	0.609
lab*nce	0.0	1.0	0.609

$n^* = 0,00$

0,25

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

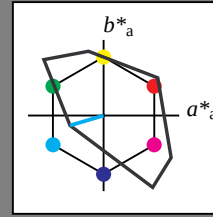
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.01	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 4$

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

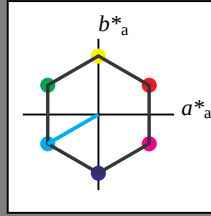
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.71 0.0 0.0
LAB*LABa 76.06 -33.5 -19.34
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 -0.432 -0.249
lab*tch 0.75 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.75 -0.386 -0.315
lab*tce 0.5 0.5 0.609
lab*nce 0.0 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -33.5 -19.34
LAB*LABa 56.71 -33.5 -19.34
LAB*TCHa 50.0 38.7 210.0

relative CIELAB lab*
lab*lab 0.5 -0.432 -0.249
lab*tch 0.5 0.5 0.583
lab*nch 0.25 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.5 -0.386 -0.315
lab*tce 0.5 0.5 0.609
lab*nce 0.25 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -33.5 -19.34
LAB*LABa 37.36 -33.5 -19.34
LAB*TCHa 25.01 38.69 210.0

relative CIELAB lab*
lab*lab 0.25 -0.432 -0.249
lab*tch 0.25 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.25 -0.386 -0.315
lab*tce 0.25 0.5 0.609
lab*nce 0.0 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.5 1.0 0.25 (1.0)
cmyn4* 0.5 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 -33.5 -19.34
LAB*LABa 18.03 -33.5 -19.34
LAB*TCHa 0.01 38.69 210.0

relative CIELAB lab*
lab*lab 0.0 0.25 0.25 (1.0)
lab*tch 0.0 0.75 0.75 (0.0)
lab*nch 0.0 0.0 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.25 (1.0)
lab*tce 0.0 0.75 0.75 (0.0)
lab*nce 0.0 0.0 0.25 (0.0)

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 210/360 = 0.583$

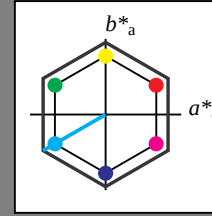
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 64 95 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.71 0.0 0.0
LAB*LABa 76.06 -33.5 -19.34
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.5 1.0 0.25 (1.0)
cmyn4* 0.5 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 -33.5 -19.34
LAB*LABa 18.03 -33.5 -19.34
LAB*TCHa 0.01 38.69 210.0

relative CIELAB lab*
lab*lab 0.0 0.25 0.25 (1.0)
lab*tch 0.0 0.75 0.75 (0.0)
lab*nch 0.0 0.0 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.25 (1.0)
lab*tce 0.0 0.75 0.75 (0.0)
lab*nce 0.0 0.0 0.25 (0.0)

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 0.5 1.0 0.75 (1.0)
cmyn4* 0.5 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 63.61 -20.65 -11.92
LAB*LABa 63.61 -20.65 -11.92
LAB*TCHa 62.5 23.85 210.0

relative CIELAB lab*
lab*lab 0.667 -0.216 -0.124
lab*tch 0.625 0.25 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.667 -0.193 -0.157
lab*tce 0.625 0.25 0.609
lab*nce 0.25 0.25 0.609

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 55.66 -41.3 -23.84
LAB*LABa 55.66 -41.3 -23.84
LAB*TCHa 50.0 47.7 210.0

relative CIELAB lab*
lab*lab 0.583 -0.432 -0.249
lab*tch 0.583 0.5 0.583
lab*nch 0.25 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.583 -0.386 -0.315
lab*tce 0.5 0.5 0.609
lab*nce 0.25 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 31.81 -41.29 -23.84
LAB*LABa 31.81 -41.29 -23.84
LAB*TCHa 25.01 47.69 210.0

relative CIELAB lab*
lab*lab 0.333 -0.432 -0.249
lab*tch 0.333 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*trj 0.333 -0.386 -0.315
lab*tce 0.333 0.5 0.609
lab*nce 0.0 0.5 0.609

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.5 1.0 0.25 (1.0)
cmyn4* 0.5 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 15.91 -20.64 -11.91
LAB*LABa 15.91 -20.64 -11.91
LAB*TCHa 12.5 23.84 210.0

relative CIELAB lab*
lab*lab 0.167 -0.215 -0.124
lab*tch 0.167 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*trj 0.167 -0.192 -0.157
lab*tce 0.167 0.25 0.609
lab*nce 0.0 0.25 0.609

$n^* = 0,50$

0,25

0,50

0,75

1,00

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

blackness n^*

chromaticness c^*

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

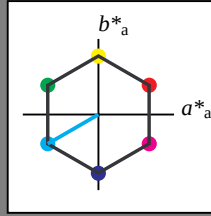
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0.75

0.50

0.25

0.00

blackness n^*

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

$n^* = 5,25$

$n^* = 5,50$

$n^* = 5,75$

$n^* = 6,00$

$n^* = 6,25$

$n^* = 6,50$

$n^* = 6,75$

$n^* = 7,00$

$n^* = 7,25$

$n^* = 7,50$

$n^* = 7,75$

$n^* = 8,00$

$n^* = 8,25$

$n^* = 8,50$

$n^* = 8,75$

$n^* = 9,00$

$n^* = 9,25$

$n^* = 9,50$

$n^* = 9,75$

$n^* = 10,00$

$n^* = 10,25$

$n^* = 10,50$

$n^* = 10,75$

$n^* = 11,00$

$n^* = 11,25$

$n^* = 11,50$

$n^* = 11,75$

$n^* = 12,00$

$n^* = 12,25$

$n^* = 12,50$

$n^* = 12,75$

$n^* = 13,00$

$n^* = 13,25$

$n^* = 13,50$

$n^* = 13,75$

$n^* = 14,00$

$n^* = 14,25$

$n^* = 14,50$

$n^* = 14,75$

$n^* = 15,00$

$n^* = 15,25$

$n^* = 15,50$

$n^* = 15,75$

$n^* = 16,00$

$n^* = 16,25$

$n^* = 16,50$

$n^* = 16,75$

$n^* = 17,00$

$n^* = 17,25$

$n^* = 17,50$

$n^* = 17,75$

$n^* = 18,00$

$n^* = 18,25$

$n^* = 18,50$

$n^* = 18,75$

$n^* = 19,00$

$n^* = 19,25$

$n^* = 19,50$

$n^* = 19,75$

$n^* = 20,00$

$n^* = 20,25$

$n^* = 20,50$

$n^* = 20,75$

$n^* = 21,00$

$n^* = 21,25$

$n^* = 21,50$

$n^* = 21,75$

$n^* = 22,00$

$n^* = 22,25$

$n^* = 22,50$

$n^* = 22,75$

$n^* = 23,00$

$n^* = 23,25$

$n^* = 23,50$

$n^* = 23,75$

$n^* = 24,00$

$n^* = 24,25$

$n^* = 24,50$

$n^* = 24,75$

$n^* = 25,00$

$n^* = 25,25$

$n^* = 25,50$

$n^* = 25,75$

$n^* = 26,00$

$n^* = 26,25$

$n^* = 26,50$

$n^* = 26,75$

$n^* = 27,00$

$n^* = 27,25$

$n^* = 27,50$

$n^* = 27,75$

$n^* = 28,00$

$n^* = 28,25$

$n^* = 28,50$

$n^* = 28,75$

$n^* = 29,00$

$n^* = 29,25$

$n^* = 29,50$

$n^* = 29,75$

$n^* = 30,00$

$n^* = 30,25$

$n^* = 30,50$

$n^* = 30,75$

$n^* = 31,00$

$n^* = 31,25$

$n^* = 31,50$

$n^* = 31,75$

$n^* = 32,00$

$n^* = 32,25$

$n^* = 32,50$

$n^* = 32,75$

$n^* = 33,00$

$n^* = 33,25$

$n^* = 33,50$

$n^* = 33,75$

$n^* = 34,00$

$n^* = 34,25$

$n^* = 34,50$

$n^* = 34,75$

$n^* = 35,00$

$n^* = 35,25$

$n^* = 35,50$

$n^* = 35,75$

$n^* = 36,00$

$n^* = 36,25$

$n^* = 36,50$

$n^* = 36,75$

$n^* = 37,00$

$n^* = 37,25$

$n^* = 37,50$

$n^* = 37,75$

$n^* = 38,00$

$n^* = 38,25$

$n^* = 38,50$

$n^* = 38,75$

$n^* = 39,00$

$n^* = 39,25$

$n^* = 39,50$

$n^* = 39,75$

$n^* = 40,00$

$n^* = 40,25$

$n^* = 40,50$

$n^* = 40,75$

$n^* = 41,00$

$n^* = 41,25$

$n^* = 41,50$

$n^* = 41,75$

$n^* = 42,00$

$n^* = 42,25$

$n^* = 42,50$

$n^* = 42,75$

$n^* = 43,00$

$n^* = 43,25$

$n^* = 43,50$

$n^* = 43,75$

$n^* = 44,00$

$n^* = 44,25$

$n^* = 44,50$

$n^* = 44,75$

$n^* = 45,00$

$n^* = 45,25$

$n^* = 45,50$

$n^* = 45,75$

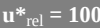
$n^* = 46,00$

$n^* = 46,25$

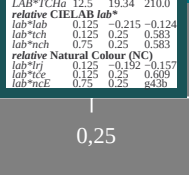
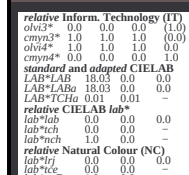
$n^* = 46,50$

<

lab*tch* and *lab*nch



triangle lightness.*

triangle lightness t^* 

%Regularity

$$g^*_{H,rel} = 100$$
$$g^*_{C,rel} = 100$$

0,75

$$n^* = 0,00$$

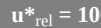
0,25

blackness n^*

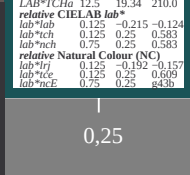
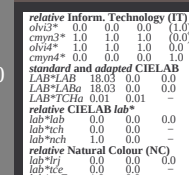
chromatic

$$n^* = 1,0$$

*lab*tch* and *lab*nch*



triangle lightness **

triangle lightness L^* 

%Regularity

$$g^*_{H,rel} = 100$$
$$\mathbf{g}_{\text{C,rel}}^* = 100$$

0,75

* 0.25 0.25 0.25

5
stand
LAB
LAB

blackness n^* $n^* = 0,50$
$$n^* = 1,0$$

chromatic

$$n^* = 1,0$$

5 step scales for constant CIELAB hue 210/360 = 0.583 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

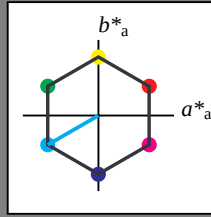
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0
LAB*TCHa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.25	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0
LAB*TCHa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.5	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0
LAB*TCHa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.75	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	-	-
lab*nce	0.75	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0
LAB*TCHa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	0.5
cmyn4*	0.5	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	76.71	33.5	-19.34	0.0
LAB*LABa	76.06	-33.5	-19.34	0.0
LAB*TCHa	75.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.75	-0.432	-0.249	0.0
lab*tch	0.75	0.5	0.583	0.0
lab*nch	0.0	0.5	0.583	0.0
relative Natural Colour (NC)				
lab*trj	0.75	-0.386	-0.315	0.0
lab*tce	0.25	0.5	0.609	0.0
lab*nce	0.0	0.5	0.609	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.75	0.75	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	0.75
cmyn4*	0.5	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	56.71	-33.5	-19.34	0.0
LAB*LABa	56.71	-33.5	-19.34	0.0
LAB*TCHa	50.0	38.7	210.0	0.0
relative CIELAB lab*				
lab*lab	0.5	-0.432	-0.249	0.0
lab*tch	0.5	0.5	0.583	0.0
lab*nch	0.5	0.5	0.583	0.0
relative Natural Colour (NC)				
lab*trj	0.5	-0.386	-0.315	0.0
lab*tce	0.5	0.5	0.609	0.0
lab*nce	0.5	0.5	0.609	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	0.5
cmyn4*	0.5	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	37.36	-33.5	-19.34	0.0
LAB*LABa	37.36	-33.5	-19.34	0.0
LAB*TCHa	25.0	38.69	210.0	0.0
relative CIELAB lab*				
lab*lab	0.25	-0.432	-0.249	0.0
lab*tch	0.25	0.5	0.583	0.0
lab*nch	0.75	0.5	0.583	0.0
relative Natural Colour (NC)				
lab*trj	0.25	-0.386	-0.315	0.0
lab*tce	0.75	0.5	0.609	0.0
lab*nce	0.75	0.5	0.609	0.0

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

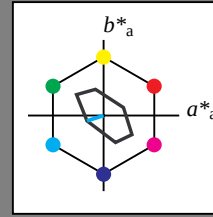
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	0.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0
LAB*TCHa	75.0	0.0	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.25	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	82.56	0.0	0.0	0.0
LAB*LABa	82.56	0.0	0.0	0.0
LAB*TCHa	50.0	0.0	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.5	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	76.13	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0
LAB*TCHa	25.0	0.0	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.75	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	-	-
lab*nce	0.75	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

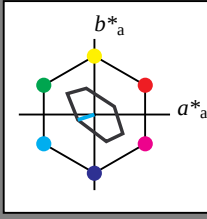
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 88.98 \ 0.0 \ 0.0$
 $LAB^*LABa \ 88.98 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.75 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 82.59 \ 0.0 \ 0.0$
 $LAB^*LABa \ 82.59 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.13 \ 0.0 \ 0.0$
 $LAB^*LABa \ 76.13 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.7 \ 0.0 \ 0.0$
 $LAB^*LABa \ 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	76.43	26.27	10.57	28.32	22
YMa	93.93	-10.76	34.63	36.27	107
LMa	89.32	-35.8	27.64	45.24	142
CMa	90.93	-21.95	-7.07	23.07	198
VMa	72.1	15.76	-35.63	38.97	294
MMa	78.5	37.52	-25.23	45.22	326
NMa	69.7	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 93.4 \ 0.0 \ 0.0$
 $LAB^*LABa \ 93.17 \ -10.97 \ -3.53$
 $LAB^*TCha \ 75.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.913 \ -0.475 \ -0.152$
 $lab^*tch \ 0.75 \ 0.5 \ 0.35$
 $lab^*nch \ 0.0 \ 0.5 \ 0.55$
 relative Natural Colour (NC)
 $lab^*trj \ 0.913 \ -0.435 \ -0.244$
 $lab^*tce \ 0.75 \ 0.5 \ 0.581$
 $lab^*nce \ 0.0 \ 0.5 \ 0.626$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 86.74 \ -10.97 \ -3.53$
 $LAB^*LABa \ 86.74 \ -10.97 \ -3.53$
 $LAB^*TCha \ 50.0 \ 11.54 \ 197.87$

relative CIELAB lab*
 $lab^*lab \ 0.663 \ -0.475 \ -0.152$
 $lab^*tch \ 0.625 \ 0.25 \ 0.55$
 $lab^*nch \ 0.0 \ 0.5 \ 0.55$
 relative Natural Colour (NC)
 $lab^*trj \ 0.663 \ -0.435 \ -0.244$
 $lab^*tce \ 0.5 \ 0.5 \ 0.581$
 $lab^*nce \ 0.25 \ 0.5 \ 0.626$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 80.32 \ -10.97 \ -3.53$
 $LAB^*LABa \ 80.32 \ -10.97 \ -3.53$
 $LAB^*TCha \ 25.0 \ 11.53 \ 197.87$

relative CIELAB lab*
 $lab^*lab \ 0.413 \ -0.475 \ -0.152$
 $lab^*tch \ 0.25 \ 0.5 \ 0.55$
 $lab^*nch \ 0.0 \ 0.5 \ 0.55$
 relative Natural Colour (NC)
 $lab^*trj \ 0.413 \ -0.435 \ -0.244$
 $lab^*tce \ 0.25 \ 0.5 \ 0.581$
 $lab^*nce \ 0.5 \ 0.5 \ 0.626$

$n^* = 0,50$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 75.01 \ -5.48 \ -1.76$
 $LAB^*LABa \ 75.01 \ -5.48 \ -1.76$
 $LAB^*TCha \ 12.5 \ 197.87$

relative CIELAB lab*
 $lab^*lab \ 0.206 \ -0.237 \ -0.076$
 $lab^*tch \ 0.125 \ 0.25 \ 0.55$
 $lab^*nch \ 0.0 \ 0.25 \ 0.55$
 relative Natural Colour (NC)
 $lab^*trj \ 0.206 \ -0.217 \ -0.121$
 $lab^*tce \ 0.125 \ 0.25 \ 0.581$
 $lab^*nce \ 0.75 \ 0.25 \ 0.626$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.7 \ 0.0 \ 0.0$
 $LAB^*LABa \ 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 235/360 = 0.653$

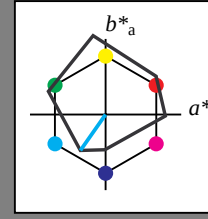
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 53 58 235

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 88.98 \ 0.0 \ 0.0$
 $LAB^*LABa \ 88.98 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.75 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 82.59 \ 0.0 \ 0.0$
 $LAB^*LABa \ 82.59 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.13 \ 0.0 \ 0.0$
 $LAB^*LABa \ 76.13 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.7 \ 0.0 \ 0.0$
 $LAB^*LABa \ 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	42.21	66.82	50.6	83.82	37
YMa	90.32	-16.51	104.33	105.63	99
LMa	48.21	-75.63	30.65	81.61	158
CMa	53.44	-33.33	-47.49	58.03	235
VMa	34.16	-0.92	-46.56	46.58	269
MMa	42.71	79.0	-1.95	79.03	359
NMa	16.56	0.0	0.0	0.0	0
WMa	96.31	0.0	0.0	0.0	0
RCIE	39.92	59.78	25.77	65.1	23
JCIE	81.26	-2.51	69.07	69.11	92
GCIE	52.23	-41.57	11.3	43.09	165
BCIE	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 0.75 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 85.59 \ -8.62 \ -9.34$
 $LAB^*LABa \ 85.59 \ -8.32 \ -11.86$
 $LAB^*TCha \ 87.5 \ 14.5 \ 234.93$

relative CIELAB lab*
 $lab^*lab \ 0.866 \ -0.143 \ -0.204$
 $lab^*tch \ 0.875 \ 0.25 \ 0.653$
 $lab^*nch \ 0.0 \ 0.25 \ 0.653$
 relative Natural Colour (NC)
 $lab^*trj \ 0.866 \ -0.13 \ -0.212$
 $lab^*tce \ 0.875 \ 0.25 \ 0.662$
 $lab^*nce \ 0.0 \ 0.25 \ 0.646$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 0.75 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 74.87 \ -17.13 \ -21.99$
 $LAB^*LABa \ 74.87 \ -16.66 \ -23.74$
 $LAB^*TCha \ 75.0 \ 29.01 \ 234.93$

relative CIELAB lab*
 $lab^*lab \ 0.731 \ -0.286 \ -0.408$
 $lab^*tch \ 0.75 \ 0.5 \ 0.653$
 $lab^*nch \ 0.0 \ 0.5 \ 0.653$
 relative Natural Colour (NC)
 $lab^*trj \ 0.731 \ -0.262 \ -0.424$
 $lab^*tce \ 0.75 \ 0.5 \ 0.662$
 $lab^*nce \ 0.0 \ 0.5 \ 0.646$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 54.94 \ -17.46 \ -21.42$
 $LAB^*LABa \ 54.94 \ -16.66 \ -23.74$
 $LAB^*TCha \ 50.0 \ 29.02 \ 234.93$

relative CIELAB lab*
 $lab^*lab \ 0.481 \ -0.286 \ -0.408$
 $lab^*tch \ 0.5 \ 0.5 \ 0.653$
 $lab^*nch \ 0.0 \ 0.5 \ 0.653$
 relative Natural Colour (NC)
 $lab^*trj \ 0.481 \ -0.262 \ -0.4$

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

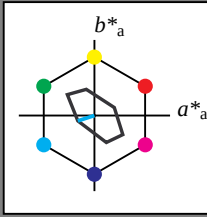
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.0 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*LABb 75.0 0.0 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.58 0.0 0.0
LAB*LABa 82.58 0.0 0.0
LAB*LABb 50.0 0.0 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.13 0.0 0.0
LAB*LABa 76.13 0.0 0.0
LAB*LABb 25.0 0.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*LABb 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 93.4 0.0 0.0
LAB*LABa 93.4 0.0 0.0
LAB*LABb 10.57 -3.53

relative CIELAB lab*
lab*lab 0.956 -0.237 -0.076
lab*tch 0.875 0.25 0.55
lab*nch 0.0 0.25 0.55
relative Natural Colour (NC)
lab*trj 0.956 -0.217 -0.121
lab*tce 0.875 0.25 0.581
lab*nce 0.0 0.25 0.581

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 87.86 5.48 -1.76
LAB*LABa 87.86 5.48 -1.76
LAB*LABb 19.87

relative CIELAB lab*
lab*lab 0.706 -0.237 -0.076
lab*tch 0.625 0.25 0.55
lab*nch 0.25 0.25 0.55
relative Natural Colour (NC)
lab*trj 0.706 -0.217 -0.121
lab*tce 0.625 0.25 0.581
lab*nce 0.25 0.25 0.581

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 86.74 -10.97 -3.53
LAB*LABa 86.74 -10.97 -3.53
LAB*LABb 11.54 19.87

relative CIELAB lab*
lab*lab 0.663 -0.475 -0.152
lab*tch 0.581 0.25 0.55
lab*nch 0.0 0.25 0.55
relative Natural Colour (NC)
lab*trj 0.663 -0.435 -0.244
lab*tce 0.581 0.25 0.581
lab*nce 0.0 0.25 0.581

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.32 -10.97 -3.53
LAB*LABa 80.32 -10.97 -3.53
LAB*LABb 25.01 19.87

relative CIELAB lab*
lab*lab 0.413 -0.475 -0.152
lab*tch 0.25 0.5 0.55
lab*nch 0.0 0.5 0.55
relative Natural Colour (NC)
lab*trj 0.413 -0.435 -0.244
lab*tce 0.25 0.5 0.581
lab*nce 0.0 0.5 0.581

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 0.25 1.0 1.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 92.05 -16.46 -5.3
LAB*LABa 92.05 -16.46 -5.3
LAB*LABb 17.3 19.87

relative CIELAB lab*
lab*lab 0.869 -0.713 -0.229
lab*tch 0.625 0.75 0.55
lab*nch 0.0 0.75 0.55
relative Natural Colour (NC)
lab*trj 0.869 -0.683 -0.366
lab*tce 0.625 0.75 0.581
lab*nce 0.0 0.75 0.581

relative Inform. Technology (IT)
olvi3* 0.0 1.0 1.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 1.0 1.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 90.33 -21.95 -7.07
LAB*LABa 90.33 -21.95 -7.07
LAB*LABb 23.07 19.87

relative CIELAB lab*
lab*lab 0.826 -0.951 -0.306
lab*tch 0.5 1.0 0.55
lab*nch 0.0 1.0 0.55
relative Natural Colour (NC)
lab*trj 0.826 -0.871 -0.488
lab*tce 0.5 1.0 0.581
lab*nce 0.0 1.0 0.581

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 85.62 -16.46 -5.3
LAB*LABa 85.62 -16.46 -5.3
LAB*LABb 37.51 19.87

relative CIELAB lab*
lab*lab 0.619 -0.713 -0.229
lab*tch 0.375 0.75 0.55
lab*nch 0.0 0.75 0.55
relative Natural Colour (NC)
lab*trj 0.619 -0.683 -0.366
lab*tce 0.375 0.75 0.581
lab*nce 0.0 0.75 0.581

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.25 1.0 0.25 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 73.7 0.0 0.0
LAB*LABa 73.7 0.0 0.0
LAB*LABb 25.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

$n^* = 0,00$

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

$n^* = 0,00$

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

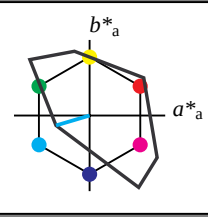
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 93.4 0.0 0.0
LAB*LABa 93.4 0.0 0.0
LAB*LABb 10.57 -3.53

relative CIELAB lab*
lab*lab 0.973 -0.219 -0.117
lab*tch 0.875 0.25 0.546
lab*nch 0.0 0.25 0.546
relative Natural Colour (NC)
lab*trj 0.973 -0.191 -0.117
lab*tce 0.875 0.25 0.578
lab*nce 0.0 0.25 0.578

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 87.86 5.48 -1.76
LAB*LABa 87.86 5.48 -1.76
LAB*LABb 19.87

relative CIELAB lab*
lab*lab 0.723 -0.239 -0.076
lab*tch 0.625 0.25 0.546
lab*nch 0.25 0.25 0.546
relative Natural Colour (NC)
lab*trj 0.723 -0.219 -0.117
lab*tce 0.625 0.25 0.578
lab*nce 0.25 0.25 0.578

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 86.74 -10.97 -3.53
LAB*LABa 86.74 -10.97 -3.53
LAB*LABb 11.58 19.86

relative CIELAB lab*
lab*lab 0.697 -0.478 -0.141
lab*tch 0.625 0.5 0.546
lab*nch 0.25 0.5 0.546
relative Natural Colour (NC)
lab*trj 0.697 -0.44 -0.235
lab*tce 0.625 0.5 0.578
lab*nce 0.25 0.5 0.578

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 81.43 -5.48 -1.76
LAB*LABa 81.43 -5.48 -1.76
LAB*LABb 37.5 19.87

relative CIELAB lab*
lab*lab 0.456 -0.237 -0.076
lab*tch 0.375 0.25 0.55
lab*nch 0.25 0.25 0.55
relative Natural Colour (NC)
lab*trj 0.456 -0.217 -0.121
lab*tce 0.375 0.25 0.581
lab*nce 0.25 0.25 0.581

$n^* = 0,00$

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 0.25 1.0 0.25 (0.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 92.05 -16.46 -5.3
LAB*LABa 92.05 -16.46 -5.3
LAB*LABb 17.3 19.87

relative CIELAB lab*
lab*lab 0.869 -0.713 -0.229
lab*tch 0.625 0.75 0.55
lab*nch 0.0 0.75 0.55
relative Natural Colour (NC)
lab*trj 0.869 -0.683 -0.366
lab*tce 0.625 0.75 0.581
lab*nce 0.0 0.75 0.581

relative Inform. Technology (IT)
olvi3* 0.0 1.0 1.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 1.0 1.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 90.33 -21.95 -7.07
LAB*LABa 90.33 -21.95 -7.07
LAB*LABb 23.07 19.87

relative CIELAB lab*
lab*lab 0.826 -0.951 -0.306
lab*tch 0.5 1.0 0.55
lab*nch 0.0 1.0 0.55
relative Natural Colour (NC)
lab*trj 0.826 -0.871 -0.488
lab*tce 0.5 1.0 0.581
lab*nce 0.0 1.0 0.581

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 85.62 -16.46 -5.3
LAB*LABa 85.62 -16.46 -5.3
LAB*LABb 37.51 19.87

relative CIELAB lab*
lab*lab 0.619 -0.713 -0.229
lab*tch 0.375 0.75 0.55
lab*nch 0.0 0.75 0.55
relative Natural Colour (NC)
lab*trj 0.619 -0.683 -0.366
lab*tce 0.375 0.75 0.581
lab*nce 0.0 0.75 0.581

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.25 1.0 0.25 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 73.7 0.0 0.0
LAB*LABa 73.7 0.0 0.0
LAB*LABb 25.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

$n^* = 0,00$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

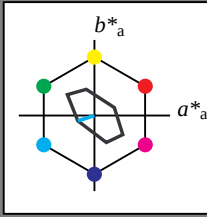
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.59	0.0	0.0
LAB*LABa	82.59	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	0.75	1.0	1.0	(1.0)
cmyn3*	0.25	0.0	0.0	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	94.25	-5.48	-1.76
LAB*LABa	94.25	-5.48	-1.76
LAB*LABb	87.5	5.77	197.87

relative CIELAB lab*

lab*lab	0.956	-0.237	-0.076
lab*tch	0.875	0.25	0.53
lab*nch	0.0	0.25	0.53

relative Natural Colour (NC)

lab*trj	0.956	-0.217	-0.121
lab*tce	0.875	0.25	0.581
lab*nce	0.0	0.25	0.826

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.75	(1.0)
cmyn3*	0.5	0.25	0.25	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	87.86	-5.48	-1.76
LAB*LABa	87.86	-5.48	-1.76
LAB*LABb	75.0	5.77	197.87

relative CIELAB lab*

lab*lab	0.706	-0.237	-0.076
lab*tch	0.625	0.25	0.53
lab*nch	0.25	0.25	0.53

relative Natural Colour (NC)

lab*trj	0.706	-0.217	-0.121
lab*tce	0.625	0.25	0.581
lab*nce	0.25	0.25	0.826

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.5	0.5	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	81.45	-5.48	-1.76
LAB*LABa	81.45	-5.48	-1.76
LAB*LABb	50.0	5.77	197.87

relative CIELAB lab*

lab*lab	0.456	-0.237	-0.076
lab*tch	0.375	0.25	0.53
lab*nch	0.25	0.25	0.53

relative Natural Colour (NC)

lab*trj	0.456	-0.217	-0.121
lab*tce	0.375	0.25	0.581
lab*nce	0.25	0.25	0.826

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	75.01	-5.48	-1.76
LAB*LABa	75.01	-5.48	-1.76
LAB*LABb	25.0	5.77	197.87

relative CIELAB lab*

lab*lab	0.206	-0.237	-0.076
lab*tch	0.125	0.25	0.53
lab*nch	0.25	0.25	0.53

relative Natural Colour (NC)

lab*trj	0.206	-0.217	-0.121
lab*tce	0.125	0.25	0.581
lab*nce	0.25	0.25	0.826

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	93.4	10.57	-3.53
LAB*LABa	93.17	-10.97	-3.53
LAB*LABb	75.0	1.53	197.87

relative CIELAB lab*

lab*lab	0.913	-0.475	-0.152
lab*tch	0.75	0.5	0.55
lab*nch	0.0	0.5	0.55

relative Natural Colour (NC)

lab*trj	0.913	-0.435	-0.244
lab*tce	0.75	0.5	0.581
lab*nce	0.0	0.5	0.826

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.75	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	86.74	-10.97	-3.53
LAB*LABa	86.74	-10.97	-3.53
LAB*LABb	50.0	11.54	197.87

relative CIELAB lab*

lab*lab	0.663	-0.475	-0.152
lab*tch	0.5	0.5	0.55
lab*nch	0.25	0.5	0.55

relative Natural Colour (NC)

lab*trj	0.663	-0.435	-0.244
lab*tce	0.5	0.5	0.581
lab*nce	0.25	0.5	0.826

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	80.32	-10.97	-3.53
LAB*LABa	80.32	-10.97	-3.53
LAB*LABb	25.0	11.53	197.87

relative CIELAB lab*

lab*lab	0.413	-0.475	-0.152
lab*tch	0.25	0.5	0.55
lab*nch	0.5	0.5	0.55

relative Natural Colour (NC)

lab*trj	0.413	-0.435	-0.244
lab*tce	0.25	0.5	0.581
lab*nce	0.5	0.5	0.826

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

$n^* = 0,00$

0,75

$n^* = 0,00$

0,25

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)</

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

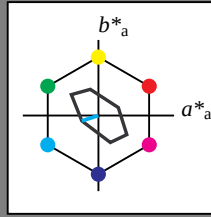
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	88.98	0.0	0.0
LAB*LABc	88.98	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*LABb	82.56	0.0	0.0
LAB*LABc	82.56	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	76.13	0.0	0.0
LAB*LABc	76.13	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	69.7	0.0	0.0
LAB*LABc	69.7	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	93.4	10.57	-3.53
LAB*LABa	93.17	-10.97	-3.53
LAB*LABb	93.17	10.57	-3.53
LAB*LABc	93.17	10.57	-3.53

relative CIELAB lab*

lab*lab	0.956	-0.237	-0.076
lab*tch	0.875	0.25	0.55
lab*nch	0.0	0.25	0.55

relative Natural Colour (NC)

lab*trj	0.956	-0.237	-0.121
lab*tce	0.875	0.25	0.581
lab*nce	0.0	0.25	0.581

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.75	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	86.74	-10.97	-3.53
LAB*LABa	86.74	-10.97	-3.53
LAB*LABb	86.74	-10.97	-3.53
LAB*LABc	86.74	-10.97	-3.53

relative CIELAB lab*

lab*lab	0.663	-0.475	-0.152
lab*tch	0.625	0.25	0.55
lab*nch	0.0	0.25	0.55

relative Natural Colour (NC)

lab*trj	0.663	-0.475	-0.244
lab*tce	0.625	0.25	0.581
lab*nce	0.0	0.25	0.581

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	80.32	-10.97	-3.53
LAB*LABa	80.32	-10.97	-3.53
LAB*LABb	80.32	-10.97	-3.53
LAB*LABc	80.32	-10.97	-3.53

relative CIELAB lab*

lab*lab	0.413	-0.475	-0.152
lab*tch	0.25	0.5	0.55
lab*nch	0.0	0.5	0.55

relative Natural Colour (NC)

lab*trj	0.413	-0.475	-0.244
lab*tce	0.25	0.5	0.581
lab*nce	0.0	0.5	0.581

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	75.01	-5.48	-1.76
LAB*LABa	75.01	-5.48	-1.76
LAB*LABb	75.01	-5.48	-1.76
LAB*LABc	75.01	-5.48	-1.76

relative CIELAB lab*

lab*lab	0.206	-0.237	-0.076
lab*tch	0.125	0.25	0.55
lab*nch	0.0	0.25	0.55

relative Natural Colour (NC)

lab*trj	0.206	-0.237	-0.121
lab*tce	0.125	0.25	0.581
lab*nce	0.0	0.25	0.581

$n^* = 0,50$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

$n^* = 5,25$

$n^* = 5,50$

$n^* = 5,75$

$n^* = 6,00$

$n^* = 6,25$

$n^* = 6,50$

$n^* = 6,75$

$n^* = 7,00$

$n^* = 7,25$

$n^* = 7,50$

$n^* = 7,75$

$n^* = 8,00$

$n^* = 8,25$

$n^* = 8,50$

$n^* = 8,75$

$n^* = 9,00$

$n^* = 9,25$

$n^* = 9,50$

$n^* = 9,75$

$n^* = 10,00$

$n^* = 10,25$

$n^* = 10,50$

$n^* = 10,75$

$n^* = 11,00$

$n^* = 11,25$

$n^* = 11,50$

$n^* = 11,75$

$n^* = 12,00$

$n^* = 12,25$

$n^* = 12,50$

$n^* = 12,75$

$n^* = 13,00$

$n^* = 13,25$

$n^* = 13,50$

$n^* = 13,75$

$n^* = 14,00$

$n^* = 14,25$

$n^* = 14,50$

$n^* = 14,75$

$n^* = 15,00$

$n^* = 15,25$

$n^* = 15,50$

$n^* = 15,75$

$n^* = 16,00$

$n^* = 16,25$

$n^* = 16,50$

$n^* = 16,75$

$n^* = 17,00$

$n^* = 17,25$

$n^* = 17,50$

$n^* = 17,75$

$n^* = 18,00$

$n^* = 18,25$

$n^* = 18,50$

$n^* = 18,75$

$n^* = 19,00$

$n^* = 19,25$

$n^* = 19,50$

$n^* = 19,75$

$n^* = 20,00$

$n^* = 20,25$

$n^* = 20,50$

$n^* = 20,75$

$n^* = 21,00$

$n^* = 21,25$

$n^* = 21,50$

$n^* = 21,75$

$n^* = 22,00$

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

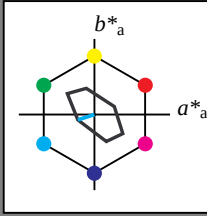
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)									
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	88.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	88.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABc	88.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	82.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	82.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	82.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABc	82.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	76.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	76.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABc	76.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABc	69.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)									
olvi3*	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	93.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	93.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	93.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABc	93.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.956	-0.237	-0.076	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.875	0.25	0.55	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.25	0.55	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.956	-0.237	-0.076	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.875	0.25	0.581	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.25	0.581	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.75	0.75	1.0
cmyn3*	0.75	0.25	0.25	0.0
olvi4*	0.5	1.0	1.0	0.75
cmyn4*	0.5	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	86.74	-10.97	-3.53	
LAB*LABa	86.74	0.0	0.0	
LAB*LABb	86.74	0.0	0.0	
LAB*TC80	86.74	0.0	0.0	
LAB*TC80a	86.74	0.0	0.0	
LAB*TC80b	86.74	0.0	0.0	
LAB*TC80c	86.74	0.0	0.0	
LAB*TC80d	86.74	0.0	0.0	
LAB*TC80e	86.74	0.0	0.0	
LAB*TC80f	86.74	0.0	0.0	
LAB*TC80g	86.74	0.0	0.0	
LAB*TC80h	86.74	0.0	0.0	
LAB*TC80i	86.74	0.0	0.0	
LAB*TC80j	86.74	0.0	0.0	
LAB*TC80k	86.74	0.0	0.0	
LAB*TC80l	86.74	0.0	0.0	
LAB*TC80m	86.74	0.0	0.0	
LAB*TC80n	86.74	0.0	0.0	
LAB*TC80o	86.74	0.0	0.0	
LAB*TC80p	86.74	0.0	0.0	
LAB*TC80q	86.74	0.0	0.0	
LAB*TC80r	86.74	0.0	0.0	
LAB*TC80s	86.74	0.0	0.0	
LAB*TC80t	86.74	0.0	0.0	
LAB*TC80u	86.74	0.0	0.0	
LAB*TC80v	86.74	0.0	0.0	
LAB*TC80w	86.74	0.0	0.0	
LAB*TC80x	86.74	0.0	0.0	
LAB*TC80y	86.74	0.0	0.0	
LAB*TC80z	86.74	0.0	0.0	
LAB*TC80aa	86.74	0.0	0.0	
LAB*TC80ab	86.74	0.0	0.0	
LAB*TC80ac	86.74	0.0	0.0	
LAB*TC80ad	86.74	0.0	0.0	
LAB*TC80ae	86.74	0.0	0.0	
LAB*TC80af	86.74	0.0	0.0	
LAB*TC80ag	86.74	0.0	0.0	
LAB*TC80ah	86.74	0.0	0.0	
LAB*TC80ai	86.74	0.0	0.0	
LAB*TC80aj	86.74	0.0	0.0	
LAB*TC80ak	86.74	0.0	0.0	
LAB*TC80al	86.74	0.0	0.0	
LAB*TC80am	86.74	0.0	0.0	
LAB*TC80an	86.74	0.0	0.0	
LAB*TC80ao	86.74	0.0	0.0	
LAB*TC80ap	86.74	0.0	0.0	
LAB*TC80aq	86.74	0.0	0.0	
LAB*TC80ar	86.74	0.0	0.0	
LAB*TC80as	86.74	0.0	0.0	
LAB*TC80at	86.74	0.0	0.0	
LAB*TC80au	86.74	0.0	0.0	
LAB*TC80av	86.74	0.0	0.0	
LAB*TC80aw	86.74	0.0	0.0	
LAB*TC80ax	86.74	0.0	0.0	
LAB*TC80ay	86.74	0.0	0.0	
LAB*TC80az	86.74	0.0	0.0	
LAB*TC80ba	86.74	0.0	0.0	
LAB*TC80bb	86.74	0.0	0.0	
LAB*TC80bc	86.74	0.0	0.0	
LAB*TC80bd	86.74	0.0	0.0	
LAB*TC80be	86.74	0.0	0.0	
LAB*TC80bf	86.74	0.0	0.0	
LAB*TC80bg	86.74	0.0	0.0	
LAB*TC80bh	86.74	0.0	0.0	
LAB*TC80bi	86.74	0.0	0.0	
LAB*TC80bj	86.74	0.0	0.0	
LAB*TC80bk	86.74	0.0	0.0	
LAB*TC80bl	86.74	0.0	0.0	
LAB*TC80bm	86.74	0.0	0.0	
LAB*TC80bn	86.74	0.0	0.0	
LAB*TC80bo	86.74	0.0	0.0	
LAB*TC80bp	86.74	0.0	0.0	
LAB*TC80bq	86.74	0.0	0.0	
LAB*TC80br	86.74	0.0	0.0	
LAB*TC80bs	86.74	0.0	0.0	
LAB*TC80bt	86.74	0.0	0.0	
LAB*TC80bu	86.74	0.0	0.0	
LAB*TC80bv	86.74	0.0	0.0	
LAB*TC80bw	86.74	0.0	0.0	
LAB*TC80bx	86.74	0.0	0.0	
LAB*TC80by	86.74	0.0	0.0	
LAB*TC80bz	86.74	0.0	0.0	
LAB*TC80ca	86.74	0.0	0.0	
LAB*TC80cb	86.74	0.0	0.0	
LAB*TC80cc	86.74	0.0	0.0	
LAB*TC80cd	86.74	0.0	0.0	
LAB*TC80ce	86.74	0.0	0.0	
LAB*TC80cf	86.74	0.0	0.0	
LAB*TC80cg	86.74	0.0	0.0	
LAB*TC80ch	86.74	0.0	0.0	
LAB*TC80ci	86.74	0.0	0.0	
LAB*TC80cj	86.74	0.0	0.0	
LAB*TC80ck	86.74	0.0	0.0	
LAB*TC80cl	86.74	0.0	0.0	
LAB*TC80cm	86.74	0.0	0.0	
LAB*TC80cn	86.74	0.0	0.0	
LAB*TC80co	86.74	0.0	0.0	
LAB*TC80cp	86.74	0.0	0.0	
LAB*TC80cq	86.74	0.0	0.0	
LAB*TC80cr	86.74	0.0	0.0	
LAB*TC80cs	86.74	0.0	0.0	
LAB*TC80ct	86.74	0.0	0.0	
LAB*TC80cu	86.74	0.0	0.0	
LAB*TC80cv	86.74	0.0	0.0	
LAB*TC80cw	86.74	0.0	0.0	
LAB*TC80cx	86.74	0.0	0.0	
LAB*TC80cy	86.74	0.0	0.0	
LAB*TC80cz	86.74	0.0	0.0	
LAB*TC80da	86.74	0.0	0.0	
LAB*TC80db	86.74	0.0	0.0	
LAB*TC80dc	86.74	0.0	0.0	
LAB*TC80dd	86.74	0.0	0.0	
LAB*TC80de	86.74	0.0	0.0	
LAB*TC80df	86.74	0.0	0.0	
LAB*TC80dg	86.74	0.0	0.0	
LAB*TC80dh	86.74	0.0	0.0	
LAB*TC80di	86.74	0.0	0.0	
LAB*TC80dj	86.74	0.0	0.0	
LAB*TC80dk	86.74	0.0	0.0	
LAB*TC80dl	86.74	0.0	0.0	
LAB*TC80dm	86.74	0.0	0.0	
LAB*TC80dn	86.74	0.0	0.0	
LAB*TC80do	86.74	0.0	0.0	
LAB*TC80dp	86.74	0.0	0.0	
LAB*TC80dq	86.74	0.0	0.0	
LAB*TC80dr	86.74	0.0	0.0	
LAB*TC80ds	86.74	0.0	0.0	
LAB*TC80dt	86.74	0.0	0.0	
LAB*TC80du	86.74	0.0	0.0	
LAB*TC80dv	86.74	0.0	0.0	
LAB*TC80dw	86.74	0.0	0.0	
LAB*TC80dx	86.74	0.0	0.0	
LAB*TC80dy	86.74	0.0	0.0	
LAB*TC80dz	86.74	0.0	0.0	
LAB*TC80ea	86.74	0.0	0.0	
LAB*TC80eb	86.74	0.0	0.0	
LAB*TC80ec	86.74	0.0	0.0	
LAB*TC80ed	86.74	0.0	0.0	
LAB*TC80ee	86.74	0.0	0.0	
LAB*TC80ef	86.74	0.0	0.0	
LAB*TC80eg	86.74	0.0	0.0	
LAB*TC80eh	86.74	0.0	0.0	
LAB*TC80ei	86.74	0.0	0.0	
LAB*TC80ej	86.74	0.0	0.0	
LAB*TC80ek	86.74	0.0	0.0	
LAB*TC80el	86.74	0.0	0.0	
LAB*TC80em	86.74	0.0	0.0	
LAB*TC80en	86.74	0.0	0.0	
LAB*TC80eo	86.74	0.0	0.0	
LAB*TC80ep	86.74	0.0	0.0	
LAB*TC80eq	86.74	0.0	0.0	
LAB*TC80er	86.74	0.0	0.0	
LAB*TC80es	86.74	0.0	0.0	
LAB*TC80et	86.74	0.0	0.0	
LAB*TC80eu	86.74	0.0	0.0	
LAB*TC80ev	86.74	0.0	0.0	
LAB*TC80ew	86.74	0.0	0.0	
LAB*TC80ex	86.74	0.0	0.0	
LAB*TC80ey	86.74	0.0	0.0	
LAB*TC80ez	86.74	0.0	0.0	
LAB*TC80fa	86.74	0.0	0.0	
LAB*TC80fb	86.74	0.0	0.0	
LAB*TC80fc	86.74	0.0	0.0	
LAB*TC80fd	86.74	0.0	0.0	
LAB*TC80fe	86.74	0.0	0.0	
LAB*TC80ff	86.74	0.0	0.0	
LAB*TC80fg	86.74	0.0	0.0	
LAB*TC80fh	86.74	0.0	0.0	
LAB*TC80fi	86.74	0.0	0.0	
LAB*TC80fj	86.74	0.0	0.0	
LAB*TC80fk	86.74	0.0	0.0	
LAB*TC80fl	86.74	0.0	0.0	
LAB*TC80fm	86.74	0.0	0.0	
LAB*TC80fn	86.74	0.0	0.0	
LAB*TC80fo	86.74	0.0	0.0	
LAB*TC80fp	86.74	0.0	0.0	
LAB*TC80fq	86.74	0.0	0.0	
LAB*TC80fr	86.74	0.0	0.0	
LAB*TC80fs	86.74	0.0	0.0	
LAB*TC80ft	86.74	0.0	0.0	
LAB*TC80fu	86.74	0.0	0.0	
LAB*TC80fv	86.74	0.0	0.0	
LAB*TC80fw	86.74	0.0	0.0	
LAB*TC80fx	86.74	0.0	0.0	
LAB*TC80fy	86.74	0.0	0.0	
LAB*TC80fz	86.74	0.0	0.0	
LAB*TC80ga	86.74	0.0	0.0	
LAB*TC80gb	86.74	0.0	0.0	
LAB*TC80gc	86.74	0.0	0.0	
LAB*TC80gd	86.74	0.0	0.0	
LAB*TC80ge	86.74	0.0	0.0	
LAB*TC80gf	86.74	0.0	0.0	
LAB*TC80gg	86.74	0.0	0.0	
LAB*TC80gh	86.74	0.0	0.0	
LAB*TC80gi	86.74	0.0	0.0	
LAB*TC80gj	86.74	0.0	0.0	
LAB*TC80gk	86.74	0.0	0.0	
LAB*TC80gl	86.74	0.0	0.0	
LAB*TC80gm	86.74	0.0	0.0	
LAB*TC80gn	86.74	0.0	0.0	
LAB*TC80go	86.74	0.0	0.0	
LAB*TC80gp	86.74	0.0	0.0	
LAB*TC80gq	86.74	0.0	0.0	
LAB*TC80gr	86.74	0.0	0.0	
LAB*TC80gs	86.74	0.0	0.0	
LAB*TC80gt	86.74	0.0	0.0	
LAB*TC80gu	86.74	0.0	0.0	
LAB*TC80gv	86.74	0.0	0.0	
LAB*TC80gw	86.74	0.0	0.0	
LAB*TC80gx	86.74	0.0	0.0	
LAB*TC80gy	86.74	0.0	0.0	
LAB*TC80gz	86.74	0.0	0.0	
LAB*TC80ha	86.74	0.0	0.0	
LAB*TC80hb	86.74	0.0	0.0	
LAB*TC80hc	86.74	0.0	0.0	
LAB*TC80hd	86.74	0.0	0.0	
LAB*TC80he	86.74	0.0	0.0	
LAB*TC80hf	86.74	0.0	0.0	
LAB*TC80hg	86.74	0.0	0.0	
LAB*TC80hh	86.74	0.0	0.0	
LAB*TC80hi	86.74	0.0	0.0	
LAB*TC80hj	86.74	0.0	0.0	
LAB*TC80hk	86.74	0.0	0.0	
LAB*TC80hl	86.74	0.0	0.0	
LAB*TC80hm	86.74	0.0	0.0	
LAB*TC80hn	86.74	0.0	0.0	
LAB*TC80ho	86.74	0.0	0.0	
LAB*TC80hp	86.74	0.0	0.0	
LAB*TC80hq	86.74	0.0	0.0	
LAB*TC80hr	86.74	0.0	0.0	
LAB*TC80hs	86.74	0.0	0.0	
LAB*TC80ht	86.74	0.0	0.0	
LAB*TC80hu	86.74	0.0	0.0	
LAB*TC80hv	86.74	0.0	0.0	
LAB*TC80hw	86.74	0.0	0.0	
LAB*TC80hx	86.74	0.0	0.0	
LAB*TC80hy	86.74	0.0	0.0	
LAB*TC80hz	86.74	0.0	0.0	
LAB*TC80ia	86.74	0.0	0.0	
LAB*TC80ib	86.74	0.0	0.0	
LAB*TC80ic	86.74	0.0	0.0	
LAB*TC80id	86.74	0.0	0.0	
LAB*TC80ie	86.74	0.0	0.0	
LAB*TC80if	86.74	0.0	0.0	
LAB*TC80ig	86.74	0.0	0.0	
LAB*TC80ih	86.74	0.0	0.0	
LAB*TC80ii	86.74	0.0	0.0	
LAB*TC80ij	86.74	0.0	0.0	
LAB*TC80ik	86.74	0.0	0.0	
LAB*TC80il	86.74	0.0	0.0	
LAB*TC80im	86.74	0.0	0.0	
LAB*TC80in	86.74	0.0	0.0	
LAB*TC80io	86.74	0.0	0.0	
LAB*TC80ip	86.74	0.0	0.0	
LAB*TC80iq	86.74	0.0	0.0	
LAB*TC80ir	86.74	0.0	0.0	
LAB*TC80is	86.74	0.0	0.0	
LAB*TC80it	86.74	0.0	0.0	
LAB*TC80iu	86.74	0.0	0.0	
LAB*TC80iv	86.74	0.0	0.0	
LAB*TC80iw	86.74	0.0	0.0	
LAB*TC80ix	86.74	0.0	0.0	
LAB*TC80iy	86.74	0.0	0.0	
LAB*TC80iz	86.74	0.0	0.0	
LAB*TC80ja	86.74	0.0	0.0	
LAB*TC80jb	86.74	0.0	0.0	
LAB*TC80jc	86.74	0.0	0.0	
LAB*TC80jd	86.74	0.0	0.0	
LAB*TC80je	86.74	0.0	0.0	
LAB*TC80jf	86.74	0.0	0.0	
LAB*TC80jg</				

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

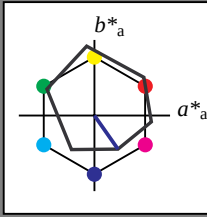
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0	4.75
LAB*LABa	95.41	0.0	0.0	4.75
LAB*LABb	95.41	0.0	0.0	4.75
LAB*LABc	95.41	0.0	0.0	4.75

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0
lab*trj	1.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44	19.79
LAB*LABa	76.06	-0.61	3.44	19.79
LAB*LABb	76.06	-0.61	3.44	19.79
LAB*LABc	76.06	-0.61	3.44	19.79

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*tch	0.75	0.75	0.75	(1.0)
lab*nch	0.75	0.75	0.75	(1.0)
lab*trj	0.75	0.75	0.75	(1.0)
lab*nce	0.75	0.75	0.75	(1.0)

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.24	2.14	11.09
LAB*LABa	56.71	0.24	2.14	11.09
LAB*LABb	56.71	0.24	2.14	11.09
LAB*LABc	56.71	0.24	2.14	11.09

relative CIELAB lab*

lab*lab	0.5	0.5	0.5	(1.0)
lab*tch	0.5	0.5	0.5	(1.0)
lab*nch	0.5	0.5	0.5	(1.0)
lab*trj	0.5	0.5	0.5	(1.0)
lab*nce	0.5	0.5	0.5	(1.0)

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83	0.00
LAB*LABa	37.36	0.13	0.83	0.00
LAB*LABb	37.36	0.13	0.83	0.00
LAB*LABc	37.36	0.13	0.83	0.00

relative CIELAB lab*

lab*lab	0.25	0.25	0.25	(1.0)
lab*tch	0.25	0.25	0.25	(1.0)
lab*nch	0.25	0.25	0.25	(1.0)
lab*trj	0.25	0.25	0.25	(1.0)
lab*nce	0.25	0.25	0.25	(1.0)

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.05	-0.47	0.00
LAB*LABa	18.02	0.05	-0.47	0.00
LAB*LABb	18.02	0.05	-0.47	0.00
LAB*LABc	18.02	0.05	-0.47	0.00

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*tch	0.0	0.0	0.0	(1.0)
lab*nch	0.0	0.0	0.0	(1.0)
lab*trj	0.0	0.0	0.0	(1.0)
lab*nce	0.0	0.0	0.0	(1.0)

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	60.56	15.23	-19.79	19.79
LAB*LABa	60.56	15.23	-19.79	19.79
LAB*LABb	60.56	15.23	-19.79	19.79
LAB*LABc	60.56	15.23	-19.79	19.79

relative CIELAB lab*

lab*lab	0.55	0.287	-0.408	0.00
lab*tch	0.55	0.287	-0.408	0.00
lab*nch	0.55	0.287	-0.408	0.00
lab*trj	0.55	0.287	-0.408	0.00
lab*nce	0.55	0.287	-0.408	0.00

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	41.22	15.6	-21.1	11.09
LAB*LABa	41.22	15.6	-21.1	11.09
LAB*LABb	41.22	15.6	-21.1	11.09
LAB*LABc	41.22	15.6	-21.1	11.09

relative CIELAB lab*

lab*lab	0.3	0.287	-0.409	0.00
lab*tch	0.3	0.287	-0.409	0.00
lab*nch	0.3	0.287	-0.409	0.00
lab*trj	0.3	0.287	-0.409	0.00
lab*nce	0.3	0.287	-0.409	0.00

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	21.87	15.97	-22.4	0.00
LAB*LABa	21.87	15.97	-22.4	0.00
LAB*LABb	21.87	15.97	-22.4	0.00
LAB*LABc	21.87	15.97	-22.4	0.00

relative CIELAB lab*

lab*lab	0.05	0.287	-0.408	0.00
lab*tch	0.05	0.287	-0.408	0.00
lab*nch	0.05	0.287	-0.408	0.00
lab*trj	0.05	0.287	-0.408	0.00
lab*nce	0.05	0.287	-0.408	0.00

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	12.15	13.55	305.0	0.00
LAB*LABa	12.15	13.55	305.0	0.00
LAB*LABb	12.15	13.55	305.0	0.00
LAB*LABc	12.15	13.55	305.0	0.00

relative CIELAB lab*

lab*lab	0.025	0.143	-0.204	0.00
lab*tch	0.025	0.143	-0.204	0.00
lab*nch	0.025	0.143	-0.204	0.00
lab*trj	0.025	0.143	-0.204	0.00
lab*nce	0.025	0.143	-0.204	0.00

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

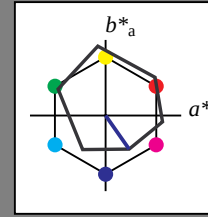
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0	4.75
LAB*LABa	95.41	0.0	0.0	4.75
LAB*LABb	95.41	0.0	0.0	4.75
LAB*LABc	95.41	0.0	0.0	4.75

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0
lab*trj	1.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44	19.79
LAB*LABa	76.06	-0.61	3.44	19.79
LAB*LABb	76.06	-0.61	3.44	19.79
LAB*LABc	76.06	-0.61	3.44	19.79

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*tch	0.75	0.75	0.75	(1.0)
lab*nch	0.75	0.75	0.75	(1.0)
lab*trj	0.75	0.75	0.75	(1.0)
lab*nce	0.75	0.75	0.75	(1.0)

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.24	2.14	11.09
LAB*LABa	56.71	0.24	2.14	11.09
LAB*LABb	56.71	0.24	2.14	11.09
LAB*LABc	56.71	0.24	2.14	11.09

relative CIELAB lab*

lab*lab	0.5	0.5	0.5	(1.0)
lab*tch	0.5	0.5	0.5	(1.0)
lab*nch	0.5	0.5	0.5	(1.0)
lab*trj	0.5	0.5	0.5	(1.0)
lab*nce	0.5	0.5	0.5	(1.0)

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83	0.00
LAB*LABa	37.36	0.13	0.83	0.00
LAB*LABb	37.36	0.13	0.83	0.00
LAB*LABc	37.36	0.13	0.83	0.00

relative CIELAB lab*

lab*lab	0.25	0.25	0.25	(1.0)
lab*tch	0.25	0.25	0.25	(1.0)
lab*nch	0.25	0.25	0.25	(1.0)
lab*trj	0.25	0.25	0.25	(1.0)
lab*nce	0.25	0.25	0.25	(1.0)

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.05	-0.47	0.00
LAB*LABa	18.02	0.05	-0.47	0.00
LAB*LABb	18.02	0.05	-0.47	0.00
LAB*LABc	18.02	0.05	-0.47	0.00

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*tch	0.0	0.0	0.0	(1.0)
lab*nch	0.0	0.0	0.0	(1.0)
lab*trj	0.0	0.0	0.0	(1.0)
lab*nce	0.0	0.0	0.0	(1.0)

$n^* = 1,0$

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

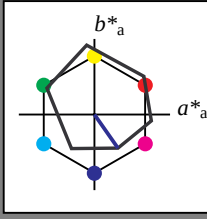
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.98	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	75.01	-	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.5	0.5	0.5	0.0

standard and adapted CIELAB

LAB*LAB	60.15	15.21	19.79
LAB*LABa	60.56	15.55	-22.19
LAB*LABb	75.0	27.1	305.0

relative CIELAB lab*

lab*lab	0.75	0.143	-0.204
lab*tch	0.875	0.25	0.847
lab*nch	0.0	0.5	0.847

relative Natural Colour (NC)

lab*trj	0.75	0.112	-0.222
lab*tce	0.875	0.25	0.824
lab*nce	0.0	0.25	0.824

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.5	0.5	0.5	0.25

standard and adapted CIELAB

LAB*LAB	41.22	15.6	-21.1
LAB*LABa	41.22	15.55	-22.2
LAB*LABb	50.0	27.1	305.0

relative CIELAB lab*

lab*lab	0.25	0.143	-0.204
lab*tch	0.625	0.25	0.847
lab*nch	0.25	0.25	0.847

relative Natural Colour (NC)

lab*trj	0.25	0.112	-0.222
lab*tce	0.625	0.25	0.824
lab*nce	0.25	0.25	0.824

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.5	0.5	0.5	0.0

standard and adapted CIELAB

LAB*LAB	21.87	15.97	-22.4
LAB*LABa	21.87	15.55	-22.19
LAB*LABb	25.01	27.1	305.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.25	0.5	0.847
lab*nch	0.5	0.5	0.847

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.25	0.5	0.824
lab*nce	0.5	0.5	0.824

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	19.94	8.23	-11.43
LAB*LABa	19.94	7.77	-11.09
LAB*LABb	12.5	13.55	305.0

relative CIELAB lab*

lab*lab	0.025	0.143	-0.204
lab*tch	0.125	0.25	0.847
lab*nch	0.75	0.25	0.847

relative Natural Colour (NC)

lab*trj	0.025	0.112	-0.222
lab*tce	0.125	0.25	0.824
lab*nce	0.75	0.25	0.824

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

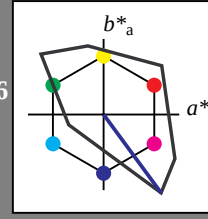
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.25	0.25	0.25	0.0

standard and adapted CIELAB

LAB*LAB	62.9	38.02	-51.78
LAB*LABa	62.9	38.02	-51.78
LAB*LABb	75.0	64.25	306.29

relative CIELAB lab*

lab*lab	0.83	0.148	-0.2
lab*tch	0.875	0.25	0.851
lab*nch	0.0	0.25	0.851

relative Natural Colour (NC)

lab*trj	0.83	0.115	-0.221
lab*tce	0.875	0.25	0.826
lab*nce	0.0	0.25	0.826

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.75	(1.0)
cmyn3*	0.75	0.75	0.25	(0.0)
olvi4*	0.5	0.5	1.0	0.75
cmyn4*	0.5	0.5	0.0	0.25

standard and adapted CIELAB

LAB*Lab	39.05	38.03	-51.79
LAB*Labu	39.05	38.03	-51.79
LAB*TCuB	50.0	64.26	306.29

relative CIELAB lab*

lab*lab	0.409	0.296	-0.402
lab*trch	0.5	0.5	0.851
lab*trch	0.5	0.5	0.851

relative Natural Colour (NC)

lab*lrj	0.409	0.23	-0.443
lab*nce	0.5	0.5	0.826
lab*nce	0.25	0.5	0.826

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

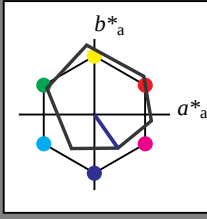
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.98	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	60.15	15.21	19.79
LAB*LABa	60.56	15.55	-22.19
LAB*LABb	75.0	27.1	305.0

relative CIELAB lab*

lab*lab	0.55	0.287	-0.408
lab*tch	0.875	0.25	0.847
lab*nch	0.0	0.5	0.847

relative Natural Colour (NC)

lab*trj	0.55	0.225	-0.446
lab*tce	0.875	0.25	0.824
lab*nce	0.0	0.5	0.824

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	41.22	15.6	-21.1
LAB*LABa	41.22	15.55	-22.2
LAB*LABb	50.0	27.1	305.0

relative CIELAB lab*

lab*lab	0.3	0.287	-0.409
lab*tch	0.5	0.5	0.847
lab*nch	0.25	0.5	0.847

relative Natural Colour (NC)

lab*trj	0.3	0.225	-0.446
lab*tce	0.5	0.5	0.824
lab*nce	0.25	0.5	0.824

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	21.87	15.97	-22.4
LAB*LABa	21.87	15.55	-22.19
LAB*LABb	25.01	27.1	305.0

relative CIELAB lab*

lab*lab	0.05	0.287	-0.408
lab*tch	0.25	0.5	0.847
lab*nch	0.05	0.5	0.847

relative Natural Colour (NC)

lab*trj	0.05	0.225	-0.446
lab*tce	0.25	0.5	0.824
lab*nce	0.05	0.5	0.824

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	19.94	8.23	-11.43
LAB*LABa	19.94	7.77	-11.09
LAB*LABb	12.5	13.55	305.0

relative CIELAB lab*

lab*lab	0.025	0.143	-0.204
lab*tch	0.125	0.25	0.847
lab*nch	0.025	0.25	0.847

relative Natural Colour (NC)

lab*trj	0.025	0.111	-0.222
lab*tce	0.125	0.25	0.824
lab*nce	0.025	0.25	0.824

$n^* = 0,50$

0,75

$n^* = 0,00$

0,25

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

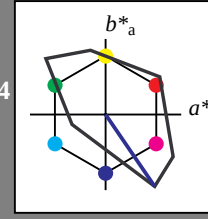
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	65.44	32.45	-47.52
LAB*LABa	65.44	32.45	-47.52
LAB*LABb	50.0	57.55	304.33

relative CIELAB lab*

lab*lab	0.613	0.282	-0.412
lab*tch	0.75	0.25	0.845
lab*nch	0.0	0.5	0.845

relative Natural Colour (NC)

lab*trj	0.613	0.217	-0.449
lab*tce	0.75	0.25	0.822
lab*nce	0.0	0.5	0.822

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

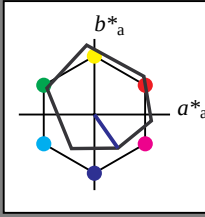
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0	4.75
LAB*LABa	95.41	0.0	0.0	4.75
LAB*LABb	99.99	0.01	-	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.98	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.25	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.5	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.75	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*LABb	0.01	0.01	-	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.25	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	77.99	7.77	-11.09	0.0
LAB*LABa	77.99	7.77	-11.09	0.0
LAB*LABb	75.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.75	0.143	-0.204	0.0
lab*tch	0.875	0.25	0.847	0.0
lab*nch	0.0	0.25	0.847	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.112	-0.222	0.0
lab*tce	0.875	0.25	0.824	0.0
lab*nce	0.0	0.25	0.824	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.25	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	58.64	7.49	-8.82	0.0
LAB*LABa	58.64	7.77	-11.09	0.0
LAB*LABb	50.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.525	0.143	-0.204	0.0
lab*tch	0.625	0.25	0.847	0.0
lab*nch	0.25	0.25	0.847	0.0

relative Natural Colour (NC)

lab*trj	0.525	0.112	-0.222	0.0
lab*tce	0.625	0.25	0.824	0.0
lab*nce	0.25	0.25	0.824	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.25	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	39.29	7.87	-10.13	0.0
LAB*LABa	39.29	7.77	-11.09	0.0
LAB*LABb	30.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.275	0.143	-0.204	0.0
lab*tch	0.375	0.25	0.847	0.0
lab*nch	0.25	0.25	0.847	0.0

relative Natural Colour (NC)

lab*trj	0.275	0.112	-0.222	0.0
lab*tce	0.375	0.25	0.824	0.0
lab*nce	0.25	0.25	0.824	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.75	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	19.94	8.23	-11.43	0.0
LAB*LABa	19.94	7.77	-11.09	0.0
LAB*LABb	12.5	0.01	-	-

relative CIELAB lab*

lab*lab	0.025	0.143	-0.204	0.0
lab*tch	0.125	0.25	0.847	0.0
lab*nch	0.75	0.25	0.847	0.0

relative Natural Colour (NC)

lab*trj	0.025	0.112	-0.222	0.0
lab*tce	0.125	0.25	0.824	0.0
lab*nce	0.75	0.25	0.824	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	60.15	15.21	-19.79	0.0
LAB*LABa	60.56	15.55	-22.19	0.0
LAB*LABb	50.0	27.1	305.0	0.0

relative CIELAB lab*

lab*lab	0.55	0.287	-0.408	0.0
lab*tch	0.75	0.5	0.847	0.0
lab*nch	0.0	0.5	0.847	0.0

relative Natural Colour (NC)

lab*trj	0.55	0.225	-0.446	0.0
lab*tce	0.75	0.5	0.824	0.0
lab*nce	0.0	0.5	0.824	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	41.22	15.6	-21.1	0.0
LAB*LABa	41.22	15.55	-22.2	0.0
LAB*LABb	50.0	27.1	305.0	0.0

relative CIELAB lab*

lab*lab	0.3	0.287	-0.409	0.0
lab*tch	0.5	0.5	0.847	0.0
lab*nch	0.25	0.5	0.847	0.0

relative Natural Colour (NC)

lab*trj	0.3	0.225	-0.446	0.0
lab*tce	0.5	0.5	0.824	0.0
lab*nce	0.25	0.5	0.824	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	21.87	15.97	-22.4	0.0
LAB*LABa	21.87	15.55	-22.19	0.0
LAB*LABb	25.01	27.1	305.0	0.0

relative CIELAB lab*

lab*lab	0.075	0.43	-0.613	0.0
lab*tch	0.375	0.75	0.847	0.0
lab*nch	0.25	0.75	0.847	0.0

relative Natural Colour (NC)

lab*trj	0.075	0.337	-0.669	0.0
lab*tce	0.375	0.75	0.824	0.0
lab*nce	0.25	0.75	0.824	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.75	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	19.94	8.23	-11.43	0.0
LAB*LABa	19.94	7.77	-11.09	0.0
LAB*LABb	12.5	0.01	-	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0.75

$n^* = 0.00$

0.25

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

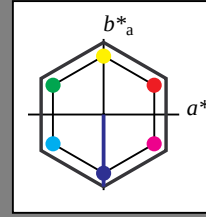
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0	4.75
LAB*LABa	95.41	0.0	0.0	4.75
LAB*LABb	99.99	0.01	-	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	0.0
LAB*LABa	71.57	0.0	0.0	0.0
LAB*LABb	75.0	0.02	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*trc	0.25	0.0	-	-
relative Natural Colour (NC)				
lab*lrj	0.75	0.0	0.0	0.0
lab*tce	0.75	0.0	-	-
lab*nce	0.25	0.0	-	-

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

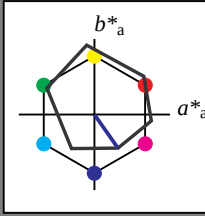
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	1.0	(1.0)
cmyn3*	0.25	0.25	0.0	(0.0)
olvi4*	0.75	0.75	1.0	1.0
cmyn4*	0.25	0.25	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	77.99	7.77	-11.09	-
LAB*LABa	77.99	7.77	-11.09	-
LAB*LABb	77.99	7.77	-11.09	-
relative CIELAB lab*				
lab*lab	0.775	0.143	-0.204	-
lab*tch	0.875	0.25	0.847	-
lab*nch	0.0	0.5	0.847	-
relative Natural Colour (NC)				
lab*trj	0.775	0.112	-0.222	-
lab*tce	0.875	0.25	0.824	-
lab*nce	0.0	0.5	0.824	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	1.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	0.5	0.5	1.0	1.0
cmyn4*	0.5	0.5	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	60.15	15.21	-19.79	-
LAB*LABa	60.15	15.21	-19.79	-
LAB*LABb	60.15	15.21	-19.79	-
relative CIELAB lab*				
lab*lab	0.5	0.287	-0.408	-
lab*tch	0.75	0.5	0.847	-
lab*nch	0.0	0.5	0.847	-
relative Natural Colour (NC)				
lab*trj	0.5	0.225	-0.446	-
lab*tce	0.75	0.5	0.824	-
lab*nce	0.0	0.5	0.824	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	1.0	(1.0)
cmyn3*	0.25	0.25	0.0	(0.0)
olvi4*	0.25	0.25	1.0	1.0
cmyn4*	0.25	0.25	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	43.14	23.32	-32.07	-
LAB*LABa	43.14	23.32	-32.07	-
LAB*LABb	43.14	23.32	-32.07	-
relative CIELAB lab*				
lab*lab	0.325	0.43	-0.613	-
lab*tch	0.625	0.75	0.847	-
lab*nch	0.0	0.75	0.847	-
relative Natural Colour (NC)				
lab*trj	0.325	0.337	-0.669	-
lab*tce	0.625	0.75	0.824	-
lab*nce	0.0	0.75	0.824	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	-
LAB*LABa	25.73	31.44	-44.34	-
LAB*LABb	25.73	31.44	-44.34	-
relative CIELAB lab*				
lab*lab	0.1	0.573	-0.818	-
lab*tch	0.5	1.0	0.847	-
lab*nch	0.0	1.0	0.847	-
relative Natural Colour (NC)				
lab*trj	0.1	0.448	-0.892	-
lab*tce	0.5	1.0	0.824	-
lab*nce	0.0	1.0	0.824	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(0.5)
cmyn3*	0.5	0.5	0.5	(0.5)
olvi4*	0.5	0.5	0.5	0.5
cmyn4*	0.5	0.5	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0
LAB*LABb	56.72	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.583	0.0	-0.249	-
lab*tch	0.625	0.25	0.75	-
lab*nch	0.25	0.25	0.75	-
relative Natural Colour (NC)				
lab*trj	0.583	0.005	-0.249	-
lab*tce	0.625	0.25	0.746	-
lab*nce	0.25	0.25	0.746	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.5	(0.5)
cmyn3*	0.25	0.25	0.5	(0.5)
olvi4*	0.25	0.25	0.5	0.5
cmyn4*	0.25	0.25	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	50.26	0.0	-38.69	-
LAB*LABa	50.26	0.0	-38.69	-
LAB*LABb	50.26	0.0	-38.69	-
relative CIELAB lab*				
lab*lab	0.417	0.0	-0.499	-
lab*tch	0.417	0.0	-0.499	-
lab*nch	0.25	0.5	0.75	-
relative Natural Colour (NC)				
lab*trj	0.417	-0.011	-0.499	-
lab*tce	0.417	0.0	0.746	-
lab*nce	0.25	0.5	0.746	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0
LAB*LABb	37.37	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.333	0.0	-0.249	-
lab*tch	0.333	0.0	-0.249	-
lab*nch	0.0	0.5	0.75	-
relative Natural Colour (NC)				
lab*trj	0.333	0.005	-0.249	-
lab*tce	0.333	0.0	0.746	-
lab*nce	0.0	0.5	0.746	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.5	(0.5)
cmyn3*	0.0	0.0	0.5	(0.5)
olvi4*	0.0	0.0	0.5	0.5
cmyn4*	0.0	0.0	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	30.92	0.0	-38.69	-
LAB*LABa	30.92	0.0	-38.69	-
LAB*LABb	30.92	0.0	-38.69	-
relative CIELAB lab*				
lab*lab	0.167	0.0	-0.499	-
lab*tch	0.167	0.0	-0.499	-
lab*nch	0.0	0.25	0.75	-
relative Natural Colour (NC)				
lab*trj	0.167	-0.011	-0.499	-
lab*tce	0.167	0.0	0.746	-
lab*nce	0.0	0.25	0.746	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.0	-47.0	-
LAB*LABa	18.02	0.0	-47.0	-
LAB*LABb	18.02	0.0	-47.0	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	-
lab*tch	0.0	0.0	0.0	-
lab*nch	0.0	0.0	0.0	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	-
lab*tce	0.0	0.0	0.0	-
lab*nce	0.0	0.0	0.0	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(0.75)
cmyn3*	0.25	0.25	0.25	(0.25)
olvi4*	0.75	0.75	0.75	0.75
cmyn4*	0.25	0.25	0.25	0.25
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	-
LAB*LABa	76.06	-0.61	3.44	-
LAB*LABb	76.06	-0.61	3.44	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	-
lab*tch	0.75	0.0	-	-
lab*nch	0.25	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	-
lab*tce	0.75	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(0.5)
cmyn3*	0.5	0.5	0.5	(0.5)
olvi4*	0.5	0.5	0.5	0.5
cmyn4*	0.5	0.5	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	-
lab*tch	0.5	0.0	-	-
lab*nch	0.5	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	-
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(0.25)
cmyn3*	0.25	0.25	0.25	(0.25)
olvi4*	0.25	0.25	0.25	0.25
cmyn4*	0.25	0.25	0.25	0.25
standard and adapted CIELAB				
LAB*LAB	41.22	15.6	-21.1	-
LAB*LABa	41.22	15.6	-21.1	-
LAB*LABb	41.22	15.6	-21.1	-
relative CIELAB lab*				
lab*lab	0.325	0.143	-0.204	-
lab*tch	0.625	0.25	0.847	-
lab*nch	0.25	0.25	0.847	-
relative Natural Colour (NC)				
lab*trj	0.325	0.112	-0.222	-
lab*tce	0.625	0.25	0.824	-
lab*nce	0.25	0.25	0.824	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	-
LAB*LABa	25.73	31.44	-44.34	-
LAB*LABb	25.73	31.44	-44.34	-
relative CIELAB lab*				
lab*lab	0.1	0.573	-0.818	-
lab*tch	0.5	1.0	0.847	-
lab*nch	0.0	1.0	0.847	-
relative Natural Colour (NC)				
lab*trj	0.1	0.448	-0.892	-
lab*tce	0.5	1.0	0.824	-
lab*nce	0.0	1.0	0.824	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(0.5)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

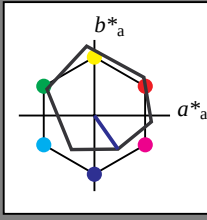
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.75	0.75	0.75	(1.0)
cmyn4*	0.25	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	76.98	-0.61	3.44
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.75	0.75	0.75	(1.0)
cmyn4*	0.25	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	76.98	-0.61	3.44
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	0.775	0.143	-0.204
lab*tch	0.875	0.25	0.847
lab*nch	0.0	0.25	0.847

relative Natural Colour (NC)

lab*trj	0.775	0.112	-0.222
lab*tce	0.875	0.25	0.824
lab*nce	0.0	0.25	0.824

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	60.15	15.21	-19.79
LAB*LABa	60.56	15.55	-22.19
LAB*LABb	75.0	27.1	305.0

relative CIELAB lab*

lab*lab	0.5	0.5	0.5
lab*tch	0.5	0.5	0.5
lab*nch	0.0	0.5	0.847

relative Natural Colour (NC)

lab*trj	0.5	0.5	0.5
lab*tce	0.5	0.5	0.824
lab*nce	0.0	0.5	0.824

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.25	0.25	0.25	(1.0)
cmyn4*	0.75	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	43.14	23.34	-32.07
LAB*LABa	43.14	23.32	-33.29
LAB*LABb	62.5	40.66	305.0

relative CIELAB lab*

lab*lab	0.325	0.43	-0.613
lab*tch	0.625	0.75	0.847
lab*nch	0.0	0.75	0.847

relative Natural Colour (NC)

lab*trj	0.325	0.43	-0.669
lab*tce	0.625	0.75	0.824
lab*nce	0.0	0.75	0.824

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	25.73	31.44	-44.34
LAB*LABa	25.73	31.09	-44.39
LAB*LABb	50.0	54.21	305.0

relative CIELAB lab*

lab*lab	0.1	0.573	-0.818
lab*tch	0.5	1.0	0.847
lab*nch	0.0	1.0	0.847

relative Natural Colour (NC)

lab*trj	0.1	0.448	-0.892
lab*tce	0.5	1.0	0.824
lab*nce	0.0	1.0	0.824

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.0	-38.69
LAB*LABa	56.71	0.0	-38.69
LAB*LABb	50.0	38.7	270.0

relative CIELAB lab*

lab*lab	0.625	0.0	-0.249
lab*tch	0.625	0.25	0.75
lab*nch	0.25	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.625	0.005	-0.249
lab*tce	0.625	0.25	0.746
lab*nce	0.25	0.25	0.986

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.25	0.25	0.25	(1.0)
cmyn4*	0.75	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.0	-38.69
LAB*LABa	56.71	0.0	-38.69
LAB*LABb	50.0	38.7	270.0

relative CIELAB lab*

lab*lab	0.5	0.0	-0.499
lab*tch	0.5	0.5	0.75
lab*nch	0.25	0.5	0.75

relative Natural Colour (NC)

lab*trj	0.5	-0.011	-0.499
lab*tce	0.5	0.5	0.746
lab*nce	0.25	0.5	0.986

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	12.5	19.34	270.0
LAB*LABa	12.5	19.34	270.0
LAB*LABb	12.5	19.34	270.0

relative CIELAB lab*

lab*lab	0.125	0.0	-0.249
lab*tch	0.125	0.25	0.75
lab*nch	0.0	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.125	0.005	-0.249
lab*tce	0.125	0.25	0.746
lab*nce	0.0	0.25	0.986

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.25	0.25	0.25	(1.0)
cmyn4*	0.75	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	66.38	0.0	-58.03
LAB*LABa	66.38	0.0	-58.03
LAB*LABb	62.5	58.04	270.0

relative CIELAB lab*

lab*lab	0.625	0.0	-0.749
lab*tch	0.625	0.75	0.75
lab*nch	0.0	0.75	0.75

relative Natural Colour (NC)

lab*trj	0.625	-0.010	-0.749
lab*tce	0.625	0.75	0.746
lab*nce	0.0	0.75	0.986

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.0	-77.37
LAB*LABa	56.71	0.0	-77.37
LAB*LABb	50.0	77.38	270.0

relative CIELAB lab*

lab*lab	0.5	0.0	-0.999
lab*tch	0.5	1.0	0.75
lab*nch	0.0	1.0	0.75

relative Natural Colour (NC)

lab*trj	0.5	-0.024	-0.999
lab*tce	0.5	1.0	0.746
lab*nce	0.0	1.0	0.986

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.0	-38.69
LAB*LABa	56.71	0.0	-38.69
LAB*LABb	50.0	38.7	270.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.5	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.25	0.25	0.25	(1.0)
cmyn4*	0.75	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	39.25	7.87	-10.13
LAB*LABa	39.25	7.77	-11.09
LAB*LABb	37.5	13.55	305.0

relative CIELAB lab*

lab*lab	0.275	0.143	-0.204
lab*tch	0.375	0.25	0.847
lab*nch	0.0	0.25	0.847

relative Natural Colour (NC)

lab*trj	0.275	0.112	-0.222
lab*tce	0.375	0.25	0.824
lab*nce	0.0	0.25	0.824

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	21.87	15.97	-22.4
LAB*LABa	21.87	15.55	-22.19
LAB*LABb	25.01	27.1	305.0

relative CIELAB lab*

lab*lab	0.05	0.287	-0.408
lab*tch	0.25	0.5	0.847
lab*nch	0.0	0.5	0.847

relative Natural Colour (NC)

lab*trj	0.05	0.225	-0.446
lab*tce	0.25	0.5	0.824
lab*nce	0.0	0.5	0.824

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.0	-1.47
LAB*LABa	18.02	0.0	-1.47
LAB*LABb	18.02	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.25	0.25	0.25	(1.0)
cmyn4*	0.75	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.0	-38.69
LAB*LABa	37.36	0.0	-38.69
LAB*LABb	37.36	0.0	-38.69

relative CIELAB lab*

lab*lab	0.375	0.0	-0.249
lab*tch	0.375	0.25	0.75
lab*nch	0.0	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.375	0.005	-0.249
lab*tce	0.375	0.25	0.746
lab*nce	0.0	0.25	0.986

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	12.5	19.34	270.0
LAB*LABa	12.5	19.34	270.0
LAB*LABb	12.5	19.34	270.0

relative CIELAB lab*

lab*lab	0.125	0.0	-0.249
lab*tch	0.125	0.25	0.75
lab*nch	0.0	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.125	0.005	-0.249
lab*tce	0.125	0.25	0.746
lab*nce	0.0	0.25	0.986

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.25	0.25	0.25	(1.0)
cmyn4*	0.75	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.0	-38.69
LAB*LABa	37.36	0.0	-38.69
LAB*LABb	37.36	0.0	-38.69

relative CIELAB lab*

lab*lab	0.375	0.0	-0.499
lab*tch	0.375	0.5	0.75
lab*nch	0.0	0.5	0.75

relative Natural Colour (NC)

lab*trj	0.375	-0.011	-0.499
lab*tce	0.375	0.5	0.746
lab*nce	0.0	0.5	0.986

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	12.5	19.34	270.0
LAB*LABa	12.5	19.34	270.0
LAB*LABb	12.5	19.34	270.0

relative CIELAB lab*

lab*lab	0.125	0.0	-0.249
lab*tch	0.125	0.25	0.75
lab*nch	0.0	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.125	0.005	-0.249
lab*tce	0.125	0.25	0.746
lab*nce	0.0	0.25	0.986

relative Inform. Technology (IT)

olvi3*	0.25	0.25
--------	------	------

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

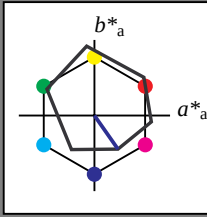
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.98	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	75.01	-	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.75	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	58.64	7.49	-8.82
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.5	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	39.29	7.87	-11.09
LAB*LABa	37.5	0.0	0.0
LAB*LABb	30.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	19.94	8.23	-11.43
LAB*LABa	19.94	7.77	-11.09
LAB*LABb	12.5	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

relative Inform. Technology (IT)

olvi3*	0.5	0.5	1.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	60.15	15.21	-19.79
LAB*LABa	60.56	15.55	-22.19
LAB*LABb	75.0	27.1	305.0

relative CIELAB lab*

lab*lab	0.55	0.287	-0.408
lab*tch	0.55	0.5	0.0
lab*nch	0.0	0.5	0.847

relative Natural Colour (NC)

lab*trj	0.55	0.225	-0.446
lab*tce	0.5	0.25	0.824
lab*nce	0.0	0.5	0.824

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	41.22	15.6	-21.1
LAB*LABa	41.22	15.55	-22.2
LAB*LABb	50.0	27.1	305.0

relative CIELAB lab*

lab*lab	0.3	0.287	-0.409
lab*tch	0.3	0.5	0.847
lab*nch	0.25	0.5	0.847

relative Natural Colour (NC)

lab*trj	0.3	0.225	-0.446
lab*tce	0.5	0.5	0.824
lab*nce	0.25	0.5	0.824

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	21.87	15.97	-22.4
LAB*LABa	21.87	15.55	-22.19
LAB*LABb	25.01	27.1	305.0

relative CIELAB lab*

lab*lab	0.075	0.43	-0.613
lab*tch	0.075	0.75	0.847
lab*nch	0.25	0.75	0.847

relative Natural Colour (NC)

lab*trj	0.075	0.337	-0.669
lab*tce	0.375	0.75	0.824
lab*nce	0.25	0.75	0.824

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	19.94	8.23	-11.43
LAB*LABa	19.94	7.77	-11.09
LAB*LABb	12.5	0.0	0.0

relative CIELAB lab*

lab*lab	0.025	0.143	-0.204
lab*tch	0.025	0.25	0.847
lab*nch	0.075	0.25	0.847

relative Natural Colour (NC)

lab*trj	0.025	0.112	-0.222
lab*tce	0.075	0.25	0.824
lab*nce	0.075	0.25	0.824

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

1,00

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

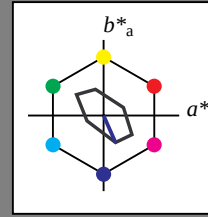
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	57.73	31.44	-44.39
LAB*LABa	57.73	31.09	-44.39
LAB*LABb	50.0	54.21	305.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.5	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	25.73	31.09	-44.39
LAB*LABa	25.73	31.09	-44.39
LAB*LABb	50.0	54.21	305.0

relative CIELAB lab*

lab*lab	0.1	0.573	-0.818
lab*tch	0.1	0.847	0.0
lab*nch	0.0	0.847	0.0

relative Natural Colour (NC)

lab*trj	0.1	0.448	-0.892
lab*tce	0.5	1.0	0.824
lab*nce	0.0	1.0	0.824

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	25.73	31.09	-44.39
LAB*LABa	25.73	31.09	-44.39
LAB*LABb	50.0	54.21	305.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

$n^* = 1,0$

5 step scales for

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

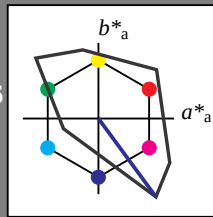
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 62.9 38.02 -51.78
LAB*LABa 62.9 38.02 -51.78
LAB*TCRa 62.9 38.02 -51.78

relative CIELAB lab*
lab*lab 0.83 0.148 -0.2
lab*tch 0.875 0.25 0.851
lab*nch 0.0 0.25 0.851
relative Natural Colour (NC)
lab*trj 0.83 0.115 -0.221
lab*tce 0.875 0.25 0.826
lab*nce 0.0 0.25 0.907

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.31 19.01 -25.89
LAB*LABa 55.31 19.01 -25.89
LAB*TCRa 55.31 19.01 -25.89

relative CIELAB lab*
lab*lab 0.58 0.148 -0.201
lab*tch 0.625 0.25 0.851
lab*nch 0.25 0.25 0.851
relative Natural Colour (NC)
lab*trj 0.58 0.115 -0.221
lab*tce 0.625 0.25 0.826
lab*nce 0.25 0.25 0.907

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 31.46 19.01 -25.89
LAB*LABa 31.46 19.01 -25.89
LAB*TCRa 31.46 19.01 -25.89

relative CIELAB lab*
lab*lab 0.33 0.148 -0.201
lab*tch 0.375 0.25 0.851
lab*nch 0.25 0.25 0.851
relative Natural Colour (NC)
lab*trj 0.33 0.115 -0.221
lab*tce 0.375 0.25 0.826
lab*nce 0.25 0.25 0.907

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 15.21 38.02 -51.78
LAB*LABa 15.21 38.02 -51.78
LAB*TCRa 15.21 38.02 -51.78

relative CIELAB lab*
lab*lab 0.159 0.296 -0.402
lab*tch 0.25 0.5 0.851
lab*nch 0.5 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.159 0.25 0.443
lab*tce 0.25 0.5 0.826
lab*nce 0.5 0.5 0.907

$n^* = 0,50$

0,75

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.64 57.04 -77.68
LAB*LABa 46.64 57.04 -77.68
LAB*TCRa 46.64 57.04 -77.68

relative CIELAB lab*
lab*lab 0.489 0.444 -0.603
lab*tch 0.625 0.25 0.851
lab*nch 0.0 0.75 0.851
relative Natural Colour (NC)
lab*trj 0.489 0.444 -0.669
lab*tce 0.625 0.25 0.826
lab*nce 0.0 0.75 0.907

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.39 76.04 -103.5
LAB*LABa 30.39 76.04 -103.5
LAB*TCRa 30.39 76.04 -103.5

relative CIELAB lab*
lab*lab 0.318 0.592 -0.805
lab*tch 0.5 1.0 0.851
lab*nch 0.0 1.0 0.851
relative Natural Colour (NC)
lab*trj 0.318 0.592 -0.887
lab*tce 0.5 1.0 0.826
lab*nce 0.0 1.0 0.907

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 22.8 57.04 -77.68
LAB*LABa 22.8 57.04 -77.68
LAB*TCRa 22.8 57.04 -77.68

relative CIELAB lab*
lab*lab 0.239 0.444 -0.603
lab*tch 0.375 0.25 0.851
lab*nch 0.25 0.25 0.851
relative Natural Colour (NC)
lab*trj 0.239 0.344 -0.669
lab*tce 0.375 0.25 0.826
lab*nce 0.25 0.25 0.907

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.13 0.83
LAB*TCRa 37.36 0.13 0.83

$n^* = 0,25$

chromaticness c^*

0,25 0,50 0,75 1,00

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

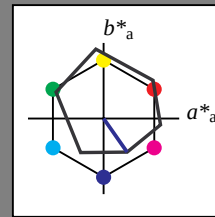
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.61 3.44
LAB*LABa 76.06 0.61 3.44
LAB*TCRa 76.06 0.61 3.44

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.64 57.04 -77.68
LAB*LABa 46.64 57.04 -77.68
LAB*TCRa 46.64 57.04 -77.68

relative CIELAB lab*
lab*lab 0.489 0.444 -0.603
lab*tch 0.625 0.25 0.851
lab*nch 0.0 0.75 0.851
relative Natural Colour (NC)
lab*trj 0.489 0.444 -0.669
lab*tce 0.625 0.25 0.826
lab*nce 0.0 0.75 0.907

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.39 76.04 -103.5
LAB*LABa 30.39 76.04 -103.5
LAB*TCRa 30.39 76.04 -103.5

relative CIELAB lab*
lab*lab 0.318 0.592 -0.805
lab*tch 0.5 1.0 0.851
lab*nch 0.0 1.0 0.851
relative Natural Colour (NC)
lab*trj 0.318 0.592 -0.887
lab*tce 0.5 1.0 0.826
lab*nce 0.0 1.0 0.907

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 22.8 57.04 -77.68
LAB*LABa 22.8 57.04 -77.68
LAB*TCRa 22.8 57.04 -77.68

relative CIELAB lab*
lab*lab 0.239 0.444 -0.603
lab*tch 0.375 0.25 0.851
lab*nch 0.25 0.25 0.851
relative Natural Colour (NC)
lab*trj 0.239 0.344 -0.669
lab*tce 0.375 0.25 0.826
lab*nce 0.25 0.25 0.907

$n^* = 0,00$

chromaticness c^*

0,25 0,50 0,75 1,00

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 60.56 15.21 -19.79
LAB*LABa 60.56 15.21 -19.79
LAB*TCRa 60.56 15.21 -19.79

relative CIELAB lab*
lab*lab 0.55 0.287 -0.408
lab*tch 0.5875 0.25 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.55 0.225 -0.446
lab*tce 0.5875 0.25 0.824
lab*nce 0.0 0.5 0.829

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 41.22 15.6 -21.1
LAB*LABa 41.22 15.55 -22.2
LAB*TCRa 41.22 15.55 -22.2

relative CIELAB lab*
lab*lab 0.525 0.143 -0.204
lab*tch 0.625 0.25 0.847
lab*nch 0.25 0.25 0.847
relative Natural Colour (NC)
lab*trj 0.525 0.112 -0.222
lab*tce 0.625 0.25 0.824
lab*nce 0.25 0.25 0.829

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 21.87 15.97 -22.4
LAB*LABa 21.87 15.55 -22.19
LAB*TCRa 21.87 15.55 -22.19

relative CIELAB lab*
lab*lab 0.3 0.287 -0.409
lab*tch 0.375 0.25 0.847
lab*nch 0.25 0.25 0.847
relative Natural Colour (NC)
lab*trj 0.3 0.225 -0.446
lab*tce 0.375 0.25 0.824
lab*nce 0.25 0.25 0.829

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 19.94 8.23 -11.43
LAB*LABa 19.94 7.77 -11.09
LAB*TCRa 19.94 8.23 -11.43

relative CIELAB lab*
lab*lab 0.025 0.143 -0.204
lab*tch 0.125 0.25 0.847
lab*nch 0.75 0.25 0.847
relative Natural Colour (NC)
lab*trj 0.025 0.112 -0.222
lab*tce 0.125 0.25 0.824
lab*nce 0.75 0.25 0.829

$n^* = 0,50$

chromaticness c^*

0,25 0,50 0,75 1,00

OE500-7, 5 step scales for constant CIELAB hue 306/360 = 0.851 (left)

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

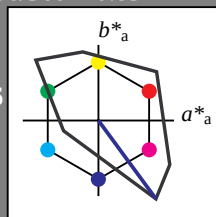
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 19.01 -25.88
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$1,00$

$0,75$

$0,50$

$0,25$

$0,00$

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$0,25$

$0,50$

$0,75$

$1,00$

$1,25$

$1,50$

$1,75$

$2,00$

$2,25$

$2,50$

$2,75$

$3,00$

$3,25$

$3,50$

$3,75$

$4,00$

$4,25$

$4,50$

$4,75$

$5,00$

$5,25$

$5,50$

$5,75$

$6,00$

$6,25$

$6,50$

$6,75$

$7,00$

$7,25$

$7,50$

$7,75$

$8,00$

$8,25$

$8,50$

$8,75$

$9,00$

$9,25$

$9,50$

$9,75$

$10,00$

$10,25$

$10,50$

$10,75$

$11,00$

$11,25$

$11,50$

$11,75$

$12,00$

$12,25$

$12,50$

$12,75$

$13,00$

$13,25$

$13,50$

$13,75$

$14,00$

$14,25$

$14,50$

$14,75$

$15,00$

$15,25$

$15,50$

$15,75$

$16,00$

$16,25$

$16,50$

$16,75$

$17,00$

$17,25$

$17,50$

$17,75$

$18,00$

$18,25$

$18,50$

$18,75$

$19,00$

$19,25$

$19,50$

$19,75$

$20,00$

$20,25$

$20,50$

$20,75$

$21,00$

$21,25$

$21,50$

$21,75$

$22,00$

$22,25$

$22,50$

$22,75$

$23,00$

$23,25$

$23,50$

$23,75$

$24,00$

$24,25$

$24,50$

$24,75$

$25,00$

$25,25$

$25,50$

$25,75$

$26,00$

$26,25$

$26,50$

$26,75$

$27,00$

$27,25$

$27,50$

$27,75$

$28,00$

$28,25$

$28,50$

$28,75$

$29,00$

$29,25$

$29,50$

$29,75$

$30,00$

$30,25$

$30,50$

$30,75$

$31,00$

$31,25$

$31,50$

$31,75$

$32,00$

$32,25$

$32,50$

$32,75$

$33,00$

$33,25$

$33,50$

$33,75$

$34,00$

$34,25$

$34,50$

$34,75$

$35,00$

$35,25$

$35,50$

$35,75$

$36,00$

$36,25$

$36,50$

$36,75$

$37,00$

$37,25$

$37,50$

$37,75$

$38,00$

$38,25$

$38,50$

$38,75$

$39,00$

$39,25$

$39,50$

$39,75$

$40,00$

$40,25$

$40,50$

$40,75$

$41,00$

$41,25$

$41,50$

$41,75$

$42,00$

$42,25$

$42,50$

$42,75$

$43,00$

$43,25$

$43,50$

$43,75$

$44,00$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

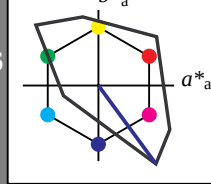
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 62.9 38.02 -51.78
LAB*LABa 62.9 38.02 -51.78
LAB*TCa 75.0 64.25 306.29

relative CIELAB lab*
lab*lab 0.83 0.148 -0.2
lab*tch 0.875 0.25 0.851
lab*nch 0.0 0.25 0.851
relative Natural Colour (NC)
lab*trj 0.83 0.115 -0.221
lab*tce 0.875 0.25 0.826
lab*nce 0.0 0.25 0.907

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 55.31 19.01 -25.89
LAB*LABa 55.31 19.01 -25.89
LAB*TCa 75.0 64.25 306.29

relative CIELAB lab*
lab*lab 0.58 0.148 -0.201
lab*tch 0.625 0.25 0.851
lab*nch 0.25 0.25 0.851
relative Natural Colour (NC)
lab*trj 0.58 0.115 -0.221
lab*tce 0.625 0.25 0.826
lab*nce 0.25 0.25 0.907

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 31.46 19.01 -25.89
LAB*LABa 31.46 19.01 -25.89
LAB*TCa 75.0 64.25 306.29

relative CIELAB lab*
lab*lab 0.33 0.148 -0.201
lab*tch 0.375 0.25 0.851
lab*nch 0.25 0.25 0.851
relative Natural Colour (NC)
lab*trj 0.33 0.115 -0.221
lab*tce 0.375 0.25 0.826
lab*nce 0.25 0.25 0.907

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 15.21 38.02 -51.78
LAB*LABa 15.21 38.02 -51.78
LAB*TCa 75.0 64.25 306.29

relative CIELAB lab*
lab*lab 0.159 0.296 -0.402
lab*tch 0.25 0.5 0.851
lab*nch 0.5 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.159 0.25 0.443
lab*tce 0.25 0.5 0.826
lab*nce 0.5 0.5 0.907

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 46.64 57.04 -77.68
LAB*LABa 46.64 57.04 -77.68
LAB*TCa 75.0 64.25 306.29

relative CIELAB lab*
lab*lab 0.489 0.444 -0.603
lab*tch 0.625 0.75 0.851
lab*nch 0.0 0.75 0.851
relative Natural Colour (NC)
lab*trj 0.489 0.344 -0.665
lab*tce 0.625 0.75 0.826
lab*nce 0.0 0.75 0.907

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.39 76.04 -103.5
LAB*LABa 30.39 76.04 -103.5
LAB*TCa 75.0 128.5 306.29

relative CIELAB lab*
lab*lab 0.318 0.592 -0.805
lab*tch 0.5 1.0 0.851
lab*nch 0.0 1.0 0.851
relative Natural Colour (NC)
lab*trj 0.318 0.459 -0.887
lab*tce 0.5 1.0 0.826
lab*nce 0.0 1.0 0.907

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 109.219
LAB*LABa 36.5 109.219
LAB*TCa 75.0 128.5 306.29

relative CIELAB lab*
lab*lab 0.239 0.444 -0.603
lab*tch 0.375 0.75 0.851
lab*nch 0.25 0.75 0.851
relative Natural Colour (NC)
lab*trj 0.239 0.344 -0.665
lab*tce 0.375 0.75 0.826
lab*nce 0.25 0.75 0.907

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

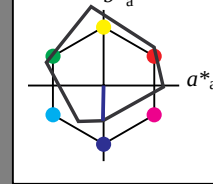
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.11 2.58
LAB*LABa 96.31 0.11 2.58
LAB*TCa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 0.44 2.45
LAB*LABa 76.38 0.44 2.45
LAB*TCa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 0.76 2.32
LAB*LABa 56.44 0.76 2.32
LAB*TCa 50.0 1.165 268.86

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 109.219
LAB*LABa 36.5 109.219
LAB*TCa 75.0 128.5 306.29

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

chromaticness c^*

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 65.23 -1.08 -20.89
LAB*LABa 65.23 -1.08 -20.89
LAB*TCa 75.0 23.29 268.86

relative CIELAB lab*
lab*lab 0.61 -0.009 -0.499
lab*tch 0.875 0.25 0.851
lab*nch 0.0 0.25 0.851
relative Natural Colour (NC)
lab*trj 0.61 -0.014 -0.498
lab*tce 0.875 0.25 0.826
lab*nce 0.0 0.25 0.907

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 45.3 -1.41 -21.02
LAB*LABa 45.3 -1.41 -21.02
LAB*TCa 50.0 23.29 268.86

relative CIELAB lab*
lab*lab 0.555 -0.004 -0.249
lab*tch 0.625 0.25 0.747
lab*nch 0.25 0.25 0.747
relative Natural Colour (NC)
lab*trj 0.555 -0.014 -0.248
lab*tce 0.625 0.25 0.74
lab*nce 0.25 0.25 0.866

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 25.37 -1.73 -21.15
LAB*LABa 25.37 -1.73 -21.15
LAB*TCa 25.01 23.29 268.86

relative CIELAB lab*
lab*lab 0.36 -0.009 -0.499
lab*tch 0.375 0.25 0.747
lab*nch 0.25 0.25 0.747
relative Natural Colour (NC)
lab*trj 0.36 -0.025 -0.498
lab*tce 0.375 0.25 0.74
lab*nce 0.25 0.25 0.866

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.055 -0.004 -0.249
lab*tch 0.055 0.25 0.747
lab*nch 0.055 0.25 0.747
relative Natural Colour (NC)
lab*trj 0.055 -0.014 -0.248
lab*tce 0.055 0.25 0.74
lab*nce 0.055 0.25 0.866

$n^* = 0,50$

chromaticness c^*

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 49.7 -1.56 -32.63
LAB*LABa 49.7 -1.56 -32.63
LAB*TCa 50.0 23.29 268.86

relative CIELAB lab*
lab*lab 0.415 -0.014 -0.749
lab*tch 0.625 0.75 0.747
lab*nch 0.0 0.75 0.747
relative Natural Colour (NC)
lab*trj 0.415 -0.048 -0.748
lab*tce 0.625 0.75 0.74
lab*nce 0.0 0.75 0.866

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)<

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

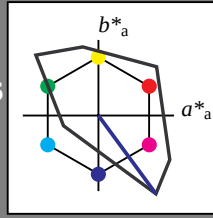
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	62.9	38.02	-51.78
LAB*LABa	62.9	38.02	-51.78
LAB*LABb	64.25	306.29	-

relative CIELAB lab*

lab*lab	0.659	0.296	-0.402
lab*tch	0.75	0.5	0.851
lab*nch	0.0	0.5	0.851

relative Natural Colour (NC)

lab*trj	0.489	0.344	-0.665
lab*tce	0.525	0.75	0.826
lab*nce	0.0	0.75	0.826

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	39.05	38.03	-51.79
LAB*LABa	39.05	38.03	-51.79
LAB*LABb	40.0	64.26	306.29

relative CIELAB lab*

lab*lab	0.409	0.296	-0.402
lab*tch	0.5	0.5	0.851
lab*nch	0.0	0.5	0.851

relative Natural Colour (NC)

lab*trj	0.409	0.25	0.443
lab*tce	0.5	0.5	0.826
lab*nce	0.25	0.5	0.826

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	15.21	38.02	-51.78
LAB*LABa	15.21	38.02	-51.78
LAB*LABb	15.01	64.25	306.29

relative CIELAB lab*

lab*lab	0.159	0.296	-0.402
lab*tch	0.25	0.5	0.851
lab*nch	0.0	0.5	0.851

relative Natural Colour (NC)

lab*trj	0.159	0.25	0.443
lab*tce	0.25	0.5	0.826
lab*nce	0.5	0.5	0.826

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	7.61	19.01	-25.88
LAB*LABa	7.61	19.01	-25.88
LAB*LABb	12.5	32.12	306.29

relative CIELAB lab*

lab*lab	0.08	0.148	-0.2
lab*tch	0.125	0.25	0.851
lab*nch	0.0	0.25	0.851

relative Natural Colour (NC)

lab*trj	0.08	0.115	-0.221
lab*tce	0.125	0.25	0.826
lab*nce	0.75	0.25	0.826

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

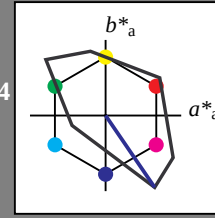
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	46.64	57.04	-77.68
LAB*LABa	46.64	57.04	-77.68
LAB*LABb	46.64	57.04	-77.68

relative CIELAB lab*

lab*lab	0.489	0.444	-0.603
lab*tch	0.625	0.75	0.851
lab*nch	0.0	0.75	0.851

relative Natural Colour (NC)

lab*trj	0.489	0.344	-0.665
lab*tce	0.625	0.75	0.826
lab*nce	0.0	0.75	0.826

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	30.39	76.04	-103.5
LAB*LABa	30.39	76.04	-103.5
LAB*LABb	30.0	128.5	306.29

relative CIELAB lab*

lab*lab	0.318	0.592	-0.805
lab*tch	0.5	1.0	0.851
lab*nch	0.0	1.0	0.851

relative Natural Colour (NC)

lab*trj	0.318	0.459	-0.887
lab*tce	0.5	1.0	0.826
lab*nce	0.0	1.0	0.826

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	37.37	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

$n^* = 0,00$

chromaticness c^*

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

5 step scales for constant CIELAB hue $270/360 = 0.75$ (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

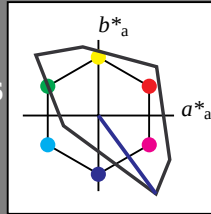
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 62.9 38.02 -51.78
LAB*LABa 62.9 38.02 -51.78
LAB*TCHa 75.0 64.25 306.29

relative CIELAB lab*
lab*lab 0.659 0.296 -0.402
lab*tch 0.75 0.5 0.851
lab*nch 0.0 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.489 0.296 -0.402
lab*tce 0.659 0.296 -0.402
lab*nce 0.0 0.5 0.851

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 38.05 38.03 -51.79
LAB*LABa 38.05 38.03 -51.79
LAB*TCHa 50.0 64.26 306.29

relative CIELAB lab*
lab*lab 0.409 0.296 -0.402
lab*tch 0.75 0.5 0.851
lab*nch 0.0 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.409 0.296 -0.402
lab*tce 0.5 0.5 0.826
lab*nce 0.25 0.5 0.826

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 15.21 38.02 -51.78
LAB*LABa 15.21 38.02 -51.78
LAB*TCHa 25.01 64.25 306.29

relative CIELAB lab*
lab*lab 0.159 0.296 -0.402
lab*tch 0.25 0.5 0.851
lab*nch 0.0 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.159 0.296 -0.402
lab*tce 0.375 0.25 0.826
lab*nce 0.25 0.5 0.826

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0,50$

0,25

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

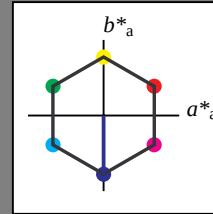
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 128.5 306.29

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 128.5 306.29

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.61 0.0 -38.68
LAB*LABa 69.61 0.0 -38.68
LAB*TCHa 75.0 38.69 270.0

relative CIELAB lab*
lab*lab 0.667 0.0 -0.499
lab*tch 0.75 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.667 0.0 -0.499
lab*tce 0.75 0.5 0.75
lab*nce 0.0 0.5 0.75

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.26 0.0 -38.69
LAB*LABa 50.26 0.0 -38.69
LAB*TCHa 50.0 38.7 270.0

relative CIELAB lab*
lab*lab 0.5 0.0 -0.749
lab*tch 0.625 0.75 0.75
lab*nch 0.0 0.75 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.010 -0.749
lab*tce 0.625 0.75 0.75
lab*nce 0.0 0.75 0.75

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0,50$

0,25

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 306/360 = 0.851 (left)

5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

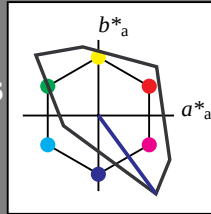
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 62.9 38.02 -51.78
LAB*LABa 62.9 38.02 -51.78
LAB*LABb 64.25 306.29

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*tch 0.25 0.25 0.25 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.75 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.39 76.04 -103.5
LAB*LABa 30.39 76.04 -103.5
LAB*LABb 37.51 96.38 306.29

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*tch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*tce 0.0 0.0 0.0
lab*nce 1.0 1.0 (0.0)

$n^* = 0,00$

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 15.21 38.02 -51.78
LAB*LABa 15.21 38.02 -51.78
LAB*LABb 15.01 64.25 306.29

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*tch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*tce 0.0 0.0 0.0
lab*nce 1.0 1.0 (0.0)

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*tch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*tce 0.0 0.0 0.0
lab*nce 1.0 1.0 (0.0)

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

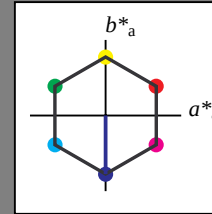
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.64 57.04 -77.68
LAB*LABa 46.64 57.04 -77.68
LAB*LABb 62.5 96.38 306.29

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.5 (0.0)

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.75 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*tch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*tce 0.0 0.0 0.0
lab*nce 1.0 1.0 (0.0)

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 0.0 -38.03
LAB*LABa 66.38 0.0 -38.03
LAB*LABb 62.5 96.38 306.29

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.75 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.39 76.04 -103.5
LAB*LABa 30.39 76.04 -103.5
LAB*LABb 37.51 96.38 306.29

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*tch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*tce 0.0 0.0 0.0
lab*nce 1.0 1.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*tch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*tce 0.0 0.0 0.0
lab*nce 1.0 1.0 (0.0)

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*tch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*tce 0.0 0.0 0.0
lab*nce 1.0 1.0 (0.0)

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 306/360 = 0.851 (left)

5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

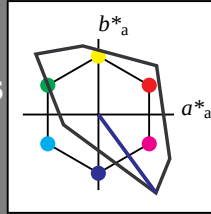
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	1.0	(1.0)
cmyn3*	0.25	0.25	0.0	(0.0)
olvi4*	0.5	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	79.15	19.01	-25.88
LAB*LABa	79.15	19.01	-25.88
LAB*TCRa	87.5	32.12	306.29

relative CIELAB lab*

lab*lab	0.83	0.148	-0.2
lab*tch	0.875	0.25	0.851
lab*nch	0.0	0.25	0.851

relative Natural Colour (NC)

lab*trj	0.83	0.115	-0.221
lab*tce	0.875	0.25	0.826
lab*nce	0.0	0.25	0.907

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.75	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	55.31	19.01	-25.89
LAB*LABa	55.31	19.01	-25.89
LAB*TCRa	62.5	32.13	306.29

relative CIELAB lab*

lab*lab	0.58	0.148	-0.201
lab*tch	0.625	0.25	0.851
lab*nch	0.25	0.25	0.851

relative Natural Colour (NC)

lab*trj	0.58	0.115	-0.221
lab*tce	0.625	0.25	0.826
lab*nce	0.25	0.25	0.907

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.5	(1.0)
cmyn3*	0.75	0.75	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	31.46	19.01	-25.89
LAB*LABa	31.46	19.01	-25.89
LAB*TCRa	37.5	32.13	306.29

relative CIELAB lab*

lab*lab	0.33	0.148	-0.201
lab*tch	0.375	0.25	0.851
lab*nch	0.25	0.25	0.851

relative Natural Colour (NC)

lab*trj	0.33	0.115	-0.221
lab*tce	0.375	0.25	0.826
lab*nce	0.25	0.25	0.907

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	1.0	1.0	0.75	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	7.61	19.01	-25.88
LAB*LABa	7.61	19.01	-25.88
LAB*TCRa	12.5	32.12	306.29

relative CIELAB lab*

lab*lab	0.08	0.148	-0.2
lab*tch	0.125	0.25	0.851
lab*nch	0.75	0.25	0.851

relative Natural Colour (NC)

lab*trj	0.08	0.115	-0.221
lab*tce	0.125	0.25	0.826
lab*nce	0.75	0.25	0.907

relative Inform. Technology (IT)

olvi3*	0.5	0.5	1.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.9	38.02	-51.78
LAB*LABa	62.9	38.02	-51.78
LAB*TCRa	75.0	64.25	306.29

relative CIELAB lab*

lab*lab	0.489	0.296	-0.402
lab*tch	0.75	0.5	0.851
lab*nch	0.0	0.5	0.851

relative Natural Colour (NC)

lab*trj	0.489	0.243	-0.443
lab*tce	0.5	0.5	0.826
lab*nce	0.0	0.5	0.907

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.75	(1.0)
cmyn3*	0.75	0.75	0.25	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	39.05	38.03	-51.79
LAB*LABa	39.05	38.03	-51.79
LAB*TCRa	50.0	64.26	306.29

relative CIELAB lab*

lab*lab	0.409	0.296	-0.402
lab*tch	0.5	0.5	0.851
lab*nch	0.25	0.5	0.851

relative Natural Colour (NC)

lab*trj	0.409	0.243	-0.443
lab*tce	0.5	0.5	0.826
lab*nce	0.25	0.5	0.907

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.5	(1.0)
cmyn3*	1.0	1.0	0.5	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	15.21	38.02	-51.78
LAB*LABa	15.21	38.02	-51.78
LAB*TCRa	25.01	64.25	306.29

relative CIELAB lab*

lab*lab	0.159	0.296	-0.402
lab*tch	0.25	0.5	0.851
lab*nch	0.0	0.5	0.851

relative Natural Colour (NC)

lab*trj	0.159	0.243	-0.443
lab*tce	0.25	0.5	0.826
lab*nce	0.0	0.5	0.907

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	1.0	1.0	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	3.19	38.02	-51.78
LAB*LABa	3.19	38.02	-51.78
LAB*TCRa	12.5	64.25	306.29

relative CIELAB lab*

lab*lab	0.03	0.296	-0.402
lab*tch	0.03	0.5	0.851
lab*nch	0.75	0.5	0.851

relative Natural Colour (NC)

lab*trj	0.03	0.243	-0.443
lab*tce	0.03	0.5	0.826
lab*nce	0.75	0.5	0.907

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

blackness n^*

chromaticness c^*

0.25

0.50

0.75

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

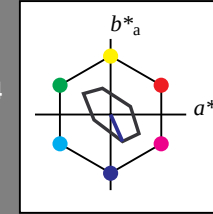
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

||
||
||

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

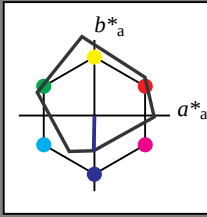
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.0 0.0
LAB*LABa 96.31 0.0 0.0
LAB*LABb 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 -0.44 2.45
LAB*LABa 76.38 0.0 0.0
LAB*LABb 75.01 -0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 -0.76 2.32
LAB*LABa 56.44 0.0 0.0
LAB*LABb 50.01 -0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 -1.09 2.19
LAB*LABa 36.5 0.0 0.0
LAB*LABb 25.01 -0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 -0.01 -

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

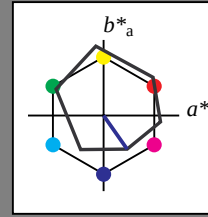
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.88 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.01 -0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.01 -0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.01 -0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 -0.01 -

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 77.99 7.12 -7.51
LAB*LABa 77.99 7.77 -11.09
LAB*LABb 87.5 13.55 305.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 60.56 15.21 -19.79
LAB*LABa 60.56 15.55 -22.19
LAB*LABb 75.0 27.1 305.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 41.22 15.6 -21.1
LAB*LABa 41.22 15.55 -22.2
LAB*LABb 50.0 27.1 305.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 21.87 15.97 -22.4
LAB*LABa 21.87 15.55 -22.19
LAB*LABb 25.01 27.1 305.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 -0.01 -

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 43.14 23.34 -32.07
LAB*LABa 43.14 23.32 -33.29
LAB*LABb 62.5 40.66 305.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.73 31.44 -44.34
LAB*LABa 25.73 31.09 -44.39
LAB*LABb 50.0 54.21 305.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 -0.01 -

$n^* = 1,0$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 269/360 = 0.747 (left)

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

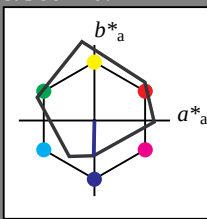
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 96.31 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.38 \ -0.44 \ 2.45$
 $LAB^*TCha \ 76.38 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.44 \ -0.76 \ 2.32$
 $LAB^*TCha \ 56.44 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 36.5 \ -1.09 \ 2.19$
 $LAB^*TCha \ 36.5 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.57 \ -1.41 \ 2.06$
 $LAB^*TCha \ 16.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

0,50

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

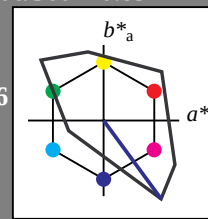
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 96.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 49.7 \ -0.69 \ -32.63$
 $LAB^*TCha \ 49.7 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 31.46 \ -0.92 \ -46.56$
 $LAB^*TCha \ 31.46 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

0,50

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 269/360 = 0.747 (left)

5 step scales for constant CIELAB hue 306/360 = 0.851 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

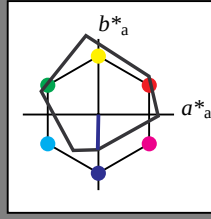
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	1.0	(1.0)
cmyn3*	0.25	0.25	0.0	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	80.77	-0.59	-9.14
LAB*LABa	80.77	-0.22	-11.63
LAB*LABb	87.5	1.64	268.86

relative CIELAB lab*

lab*lab	0.805	-0.004	-0.249
lab*tch	0.875	0.25	0.747
lab*nch	0.0	0.25	0.747

relative Natural Colour (NC)

lab*trj	0.805	-0.014	-0.248
lab*tce	0.875	0.74	0.74
lab*nce	0.0	0.25	0.960

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.75	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	60.84	-0.52	-9.28
LAB*LABa	60.84	-0.22	-11.63
LAB*LABb	62.5	1.65	268.86

relative CIELAB lab*

lab*lab	0.555	-0.004	-0.249
lab*tch	0.625	0.25	0.747
lab*nch	0.25	0.25	0.747

relative Natural Colour (NC)

lab*trj	0.555	-0.014	-0.249
lab*tce	0.625	0.74	0.74
lab*nce	0.25	0.25	0.960

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.5	(1.0)
cmyn3*	0.75	0.75	0.5	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	40.9	-1.23	-9.41
LAB*LABa	40.9	-0.22	-11.63
LAB*LABb	37.5	1.65	268.86

relative CIELAB lab*

lab*lab	0.305	-0.004	-0.249
lab*tch	0.375	0.25	0.747
lab*nch	0.25	0.25	0.747

relative Natural Colour (NC)

lab*trj	0.305	-0.014	-0.249
lab*tce	0.375	0.74	0.74
lab*nce	0.25	0.25	0.960

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	1.0	1.0	0.75	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	20.97	-1.57	-9.53
LAB*LABa	20.97	-0.22	-11.63
LAB*LABb	12.5	1.64	268.86

relative CIELAB lab*

lab*lab	0.055	-0.004	-0.249
lab*tch	0.125	0.25	0.747
lab*nch	0.75	0.25	0.747

relative Natural Colour (NC)

lab*trj	0.055	-0.014	-0.248
lab*tce	0.125	0.74	0.74
lab*nce	0.75	0.25	0.960

relative Inform. Technology (IT)

olvi3*	0.5	0.5	1.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	65.23	-0.45	-23.27
LAB*LABa	65.23	-0.45	-23.27
LAB*LABb	75.0	23.29	268.86

relative CIELAB lab*

lab*lab	0.61	-0.009	-0.499
lab*tch	0.75	0.5	0.747
lab*nch	0.0	0.5	0.747

relative Natural Colour (NC)

lab*trj	0.61	-0.029	-0.498
lab*tce	0.75	0.74	0.74
lab*nce	0.0	0.5	0.960

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.75	(1.0)
cmyn3*	0.75	0.75	0.25	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	45.3	-1.41	-21.02
LAB*LABa	45.3	-0.45	-23.28
LAB*LABb	50.0	23.29	268.86

relative CIELAB lab*

lab*lab	0.36	-0.009	-0.499
lab*tch	0.5	0.5	0.747
lab*nch	0.0	0.5	0.747

relative Natural Colour (NC)

lab*trj	0.36	-0.029	-0.498
lab*tce	0.5	0.74	0.74
lab*nce	0.0	0.5	0.960

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.5	(1.0)
cmyn3*	1.0	1.0	0.5	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	25.37	-1.73	-21.15
LAB*LABa	25.37	-0.45	-23.27
LAB*LABb	25.01	23.29	268.86

relative CIELAB lab*

lab*lab	0.11	-0.009	-0.499
lab*tch	0.25	0.5	0.747
lab*nch	0.0	0.5	0.747

relative Natural Colour (NC)

lab*trj	0.11	-0.029	-0.498
lab*tce	0.25	0.74	0.74
lab*nce	0.0	0.5	0.960

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	1.0	1.0	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

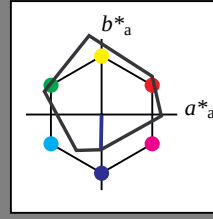
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	1.0	1.0	1.0	(1.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	-0.11	2.58
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.5)
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.00	0.01	-

relative CIELAB lab*

lab*a	0.5	0.0	0.0
lab*b	0.5	0.0	0.0
lab*c	0.5	0.0	-

relative Natural Colour (NC)

lab*lrj	0.5	0.0	0.0
lab*ce	0.5	0.0	-
lab*ncE	0.5	0.0	-

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

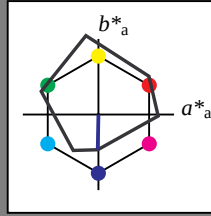
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 96.31 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.38 \ -0.44 \ 2.45$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.44 \ -0.76 \ 2.32$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ 0.0$
 $lab^*nce \ 0.5 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 36.5 \ -1.09 \ 2.19$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.75 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.57 \ -1.41 \ 2.06$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ 0.0$

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.5 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 65.1 \ 0.0 \ -20.89$
 $LAB^*TCha \ 65.23 \ -0.45 \ -23.27$
 $LAB^*TCha \ 75.0 \ 23.29 \ 268.86$
 relative CIELAB lab*
 $lab^*lab \ 0.61 \ -0.009 \ -0.499$
 $lab^*tch \ 0.75 \ 0.5 \ 0.747$
 $lab^*nch \ 0.0 \ 0.5 \ 0.747$
 relative Natural Colour (NC)
 $lab^*trj \ 0.415 \ -0.045 \ -0.498$
 $lab^*tce \ 0.51 \ 0.3 \ 0.74$
 $lab^*nce \ 0.0 \ 0.5 \ 0.960$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.5 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 45.3 \ -1.41 \ -21.02$
 $LAB^*TCha \ 45.3 \ -0.45 \ -23.28$
 $LAB^*TCha \ 50.0 \ 23.29 \ 268.86$
 relative CIELAB lab*
 $lab^*lab \ 0.36 \ -0.009 \ -0.499$
 $lab^*tch \ 0.5 \ 0.5 \ 0.747$
 $lab^*nch \ 0.25 \ 0.5 \ 0.747$
 relative Natural Colour (NC)
 $lab^*trj \ 0.36 \ -0.025 \ -0.498$
 $lab^*tce \ 0.5 \ 0.5 \ 0.74$
 $lab^*nce \ 0.25 \ 0.5 \ 0.960$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.5 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 25.37 \ -1.73 \ -21.15$
 $LAB^*TCha \ 25.37 \ -0.45 \ -23.27$
 $LAB^*TCha \ 50.0 \ 23.29 \ 268.86$
 relative CIELAB lab*
 $lab^*lab \ 0.11 \ -0.009 \ -0.499$
 $lab^*tch \ 0.25 \ 0.5 \ 0.747$
 $lab^*nch \ 0.5 \ 0.5 \ 0.747$
 relative Natural Colour (NC)
 $lab^*trj \ 0.11 \ -0.025 \ -0.498$
 $lab^*tce \ 0.25 \ 0.5 \ 0.74$
 $lab^*nce \ 0.5 \ 0.5 \ 0.960$

$n^* = 0,50$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.57 \ -1.41 \ 2.06$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ 0.0$

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

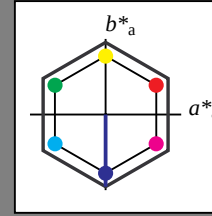
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 96.31 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.02 \ -$
 relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 71.57 \ 0.0 \ 0.0$
 relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 47.72 \ 0.0 \ 0.0$
 relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ 0.0$
 $lab^*nce \ 0.5 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 23.87 \ 0.0 \ 0.0$
 relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.75 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ 0.0$

$n^* = 1,0$

chromaticness c^*

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.5 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 63.61 \ 0.0 \ -47.68$
 $LAB^*TCha \ 63.61 \ 0.0 \ -47.68$
 relative CIELAB lab*
 $lab^*lab \ 0.667 \ 0.0 \ -0.499$
 $lab^*tch \ 0.75 \ 0.5 \ 0.75$
 $lab^*nch \ 0.0 \ 0.5 \ 0.75$
 relative Natural Colour (NC)
 $lab^*trj \ 0.667 \ 0.0 \ -0.499$
 $lab^*tce \ 0.75 \ 0.5 \ 0.746$
 $lab^*nce \ 0.0 \ 0.5 \ 0.960$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.5 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 39.76 \ 0.0 \ -47.69$
 $LAB^*TCha \ 39.76 \ 0.0 \ -47.69$
 relative CIELAB lab*
 $lab^*lab \ 0.417 \ 0.0 \ -0.499$
 $lab^*tch \ 0.5 \ 0.5 \ 0.75$
 $lab^*nch \ 0.25 \ 0.5 \ 0.75$
 relative Natural Colour (NC)
 $lab^*trj \ 0.417 \ -0.011 \ -0.499$
 $lab^*tce \ 0.5 \ 0.5 \ 0.746$
 $lab^*nce \ 0.25 \ 0.5 \ 0.960$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.5 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 15.92 \ 0.0 \ -47.68$
 $LAB^*TCha \ 15.92 \ 0.0 \ -47.68$
 relative CIELAB lab*
 $lab^*lab \ 0.167 \ 0.0 \ -0.499$
 $lab^*tch \ 0.25 \ 0.5 \ 0.75$
 $lab^*nch \ 0.5 \ 0.5 \ 0.75$
 relative Natural Colour (NC)
 $lab^*trj \ 0.167 \ -0.011 \ -0.499$
 $lab^*tce \ 0.25 \ 0.5 \ 0.746$
 $lab^*nce \ 0.5 \ 0.5 \ 0.960$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ 0.0$

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 269/360 = 0.747 (left)

5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

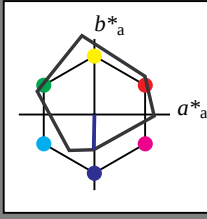
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0	2.58
LAB*LABa	96.31	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	1.0	(1.0)
cmyn3*	0.25	0.25	0.0	(0.0)
olvi4*	0.75	0.75	1.0	1.0
cmyn4*	0.25	0.25	0.0	0.0

standard and adapted CIELAB

LAB*LAB	80.77	-0.39	-9.14	2.58
LAB*LABa	80.77	-0.22	-11.63	0.0
LAB*LABb	87.5	11.64	268.86	0.0

relative CIELAB lab*

lab*lab	0.805	-0.004	-0.249	0.0
lab*tch	0.875	0.25	0.747	0.0
lab*nch	0.0	0.25	0.747	0.0

relative Natural Colour (NC)

lab*trj	0.805	0.014	-0.248	0.0
lab*tce	0.875	0.25	0.747	0.0
lab*nce	0.0	0.25	0.747	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	1.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	0.5	0.5	1.0	1.0
cmyn4*	0.5	0.5	0.0	0.0

standard and adapted CIELAB

LAB*LAB	65.3	1.08	-20.89	2.58
LAB*LABa	65.23	-0.45	-23.27	0.0
LAB*LABb	75.0	23.29	268.86	0.0

relative CIELAB lab*

lab*lab	0.61	-0.009	-0.499	0.0
lab*tch	0.675	0.25	0.747	0.0
lab*nch	0.0	0.25	0.747	0.0

relative Natural Colour (NC)

lab*trj	0.61	0.029	-0.498	0.0
lab*tce	0.675	0.25	0.747	0.0
lab*nce	0.0	0.25	0.747	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	1.0	(1.0)
cmyn3*	0.25	0.25	0.0	(0.0)
olvi4*	0.25	0.25	1.0	1.0
cmyn4*	0.25	0.25	0.0	0.0

standard and adapted CIELAB

LAB*LAB	48.7	-1.58	-32.63	2.58
LAB*LABa	48.7	-0.69	-34.92	0.0
LAB*LABb	62.5	34.93	268.86	0.0

relative CIELAB lab*

lab*lab	0.415	-0.014	-0.749	0.0
lab*tch	0.425	0.25	0.747	0.0
lab*nch	0.0	0.25	0.747	0.0

relative Natural Colour (NC)

lab*trj	0.415	-0.045	-0.748	0.0
lab*tce	0.425	0.25	0.747	0.0
lab*nce	0.0	0.25	0.747	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	34.16	-2.05	-44.37	2.58
LAB*LABa	34.16	-0.92	-46.56	0.0
LAB*LABb	50.0	46.57	268.86	0.0

relative CIELAB lab*

lab*lab	0.221	-0.019	-0.999	0.0
lab*tch	0.225	0.25	0.747	0.0
lab*nch	0.0	0.25	0.747	0.0

relative Natural Colour (NC)

lab*trj	0.221	-0.06	-0.997	0.0
lab*tce	0.225	0.25	0.747	0.0
lab*nce	0.0	0.25	0.747	0.0

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 269/360 = 0.747 (left)

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

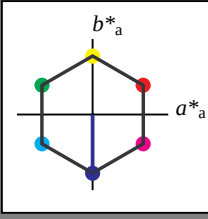
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.41	0.0	0.0	2.58
LAB*LABa	96.41	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	1.0	(1.0)
cmyn3*	0.25	0.25	0.0	(0.0)
olvi4*	0.75	0.75	1.0	1.0
cmyn4*	0.25	0.25	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0	2.58
LAB*LABa	76.07	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	1.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	0.5	0.5	1.0	1.0
cmyn4*	0.5	0.5	0.0	0.0

standard and adapted CIELAB

LAB*LAB	60.67	0.0	0.0	2.58
LAB*LABa	60.67	0.0	0.0	0.0
LAB*LABb	59.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.583	0.0	-0.249	0.0
lab*tch	0.625	0.25	0.747	0.0
lab*nch	0.0	0.25	0.747	0.0

relative Natural Colour (NC)

lab*trj	0.583	0.005	-0.249	0.0
lab*tce	0.625	0.25	0.746	0.0
lab*nce	0.0	0.25	0.746	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	1.0	(1.0)
cmyn3*	0.25	0.25	0.0	(0.0)
olvi4*	0.25	0.25	1.0	1.0
cmyn4*	0.25	0.25	0.0	0.0

standard and adapted CIELAB

LAB*LAB	48.7	-1.58	-32.63	2.58
LAB*LABa	48.7	-0.69	-34.92	0.0
LAB*LABb	62.5	34.93	268.86	0.0

relative CIELAB lab*

lab*lab	0.415	-0.014	-0.749	0.0
lab*tch	0.425	0.25	0.747	0.0
lab*nch	0.0	0.25	0.747	0.0

relative Natural Colour (NC)

lab*trj	0.415	-0.045	-0.748	0.0
lab*tce	0.425	0.25	0.747	0.0
lab*nce	0.0	0.25	0.747	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	34.16	-2.05	-44.37	2.58
LAB*LABa	34.16	-0.92	-46.56	0.0
LAB*LABb	50.0	46.57	268.86	0.0

relative CIELAB lab*

lab*lab	0.221	-0.019	-0.999	0.0
lab*tch	0.225	0.25	0.747	0.0
lab*nch	0.0	0.25	0.747	0.0

relative Natural Colour (NC)

lab*trj	0.221	-0.06	-0.997	0.0
lab*tce	0.225	0.25	0.747	0.0
lab*nce	0.0	0.25	0.747	0.0

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

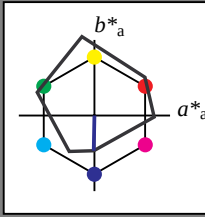
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.0 0.0
LAB*LABa 96.31 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 -0.44 2.45
LAB*LABa 76.38 0.0 0.0
LAB*LABb 75.01 -0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 -0.76 2.32
LAB*LABa 56.44 0.0 0.0
LAB*LABb 50.01 -0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 -1.09 2.19
LAB*LABa 36.5 0.0 0.0
LAB*LABb 25.01 -0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 -0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.7 -1.58 -32.63
LAB*LABa 48.7 -0.69 -34.92
LAB*LABb 49.7 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 45.3 -1.41 -21.02
LAB*LABa 45.3 -0.45 -23.28
LAB*LABb 45.0 23.29 268.86

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.37 -1.73 -21.15
LAB*LABa 25.37 -0.45 -23.27
LAB*LABb 25.01 23.29 268.86

relative CIELAB lab*
lab*lab 0.11 -0.009 -0.499
lab*tch 0.25 0.5 0.747
lab*nch 0.5 0.5 0.747
relative Natural Colour (NC)
lab*trj 0.11 -0.009 -0.498
lab*tce 0.25 0.5 0.74
lab*nce 0.5 0.5 0.968

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 -0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

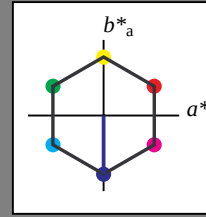
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.41 0.0 0.0
LAB*LABa 96.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.01 -0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.01 -0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.01 -0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 -0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.0 -38.68
LAB*LABa 76.06 0.0 -38.68
LAB*LABb 75.01 -0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*LABb 50.01 -0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.01 23.29 268.86
LAB*LABa 25.01 23.29 268.86
LAB*LABb 25.01 23.29 268.86

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 -0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 -0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 269/360 = 0.747 (left)

5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

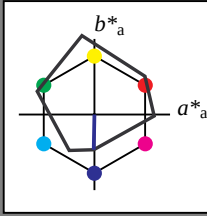
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-
relative CIELAB lab*			
lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-
relative Natural Colour (NC)			
lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.75	0.75	0.75	0.75
0.25	0.25	0.25	0.25
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-
relative CIELAB lab*			
lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-
relative Natural Colour (NC)			
lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.5	0.5	0.5	0.5
0.25	0.25	0.25	0.25
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-
relative CIELAB lab*			
lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.25	0.0	-
relative Natural Colour (NC)			
lab*trj	0.5	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.25	0.25	0.25	0.25
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-
relative CIELAB lab*			
lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-
relative Natural Colour (NC)			
lab*trj	0.25	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-
relative Natural Colour (NC)			
lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.75	0.75	0.75	0.75
0.25	0.25	0.25	0.25
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	80.77	-0.53	-9.14
LAB*LABa	80.77	-0.22	-11.63
LAB*LABb	75.0	0.01	-
relative CIELAB lab*			
lab*lab	0.805	-0.004	-0.249
lab*tch	0.875	0.25	0.747
lab*nch	0.0	0.25	0.747
relative Natural Colour (NC)			
lab*trj	0.805	0.014	-0.248
lab*tce	0.25	0.25	0.747
lab*nce	0.0	0.25	0.747

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.5	0.5	0.5	0.5
0.25	0.25	0.25	0.25
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	60.84	-0.32	-9.28
LAB*LABa	60.84	-0.22	-11.63
LAB*LABb	50.0	0.01	-
relative CIELAB lab*			
lab*lab	0.555	-0.014	-0.249
lab*tch	0.625	0.25	0.747
lab*nch	0.25	0.25	0.747
relative Natural Colour (NC)			
lab*trj	0.555	0.014	-0.249
lab*tce	0.625	0.25	0.747
lab*nce	0.25	0.25	0.747

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.25	0.25	0.25	0.25
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	40.9	-1.23	-9.41
LAB*LABa	40.9	-0.22	-11.63
LAB*LABb	37.5	0.01	-
relative CIELAB lab*			
lab*lab	0.305	-0.004	-0.249
lab*tch	0.375	0.25	0.747
lab*nch	0.25	0.25	0.747
relative Natural Colour (NC)			
lab*trj	0.305	-0.014	-0.249
lab*tce	0.375	0.25	0.747
lab*nce	0.25	0.25	0.747

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	20.97	-1.57	-9.53
LAB*LABa	20.97	-0.22	-11.63
LAB*LABb	12.5	0.01	-
relative CIELAB lab*			
lab*lab	0.055	-0.004	-0.249
lab*tch	0.125	0.25	0.747
lab*nch	0.0	0.25	0.747
relative Natural Colour (NC)			
lab*trj	0.055	-0.014	-0.248
lab*tce	0.125	0.25	0.747
lab*nce	0.0	0.25	0.747

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.5	0.5	0.5	0.5
0.25	0.25	0.25	0.25
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	45.3	-1.41	-21.02
LAB*LABa	45.3	-0.45	-23.27
LAB*LABb	50.0	0.01	-
relative CIELAB lab*			
lab*lab	0.36	-0.009	-0.499
lab*tch	0.415	0.25	0.747
lab*nch	0.0	0.25	0.747
relative Natural Colour (NC)			
lab*trj	0.415	-0.045	-0.748
lab*tce	0.415	0.25	0.747
lab*nce	0.0	0.25	0.747

relative Inform. Technology (IT)			
olvi3*	olvi4*	olvi5*	olvi6*
0.25	0.25	0.25	0.25
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	45.3	-1.41	-21.02
LAB*LABa	45.3	-0.45	-23.27
LAB*LABb	50.0	0.01	-
relative CIELAB lab*			
lab*lab	0.36	-0.009	-0.499
lab*tch	0.415	0.25	0.747
lab*nch	0.0	0.25	0.747
relative Natural Colour (NC)			
lab*trj	0.36	-0.025	-0.498
lab*tce	0.415	0.25	0.747
lab*nce	0.0	0.25	0.747

relative CIELAB lab*			
lab*lab	0.36	-0.009	-0.499
lab*tech	0.5	0.5	0.747
lab*nch	0.25	0.5	0.74
relative Natural colour (NC)			
lab*nc	0.36	-0.029	-0.498
lab*ice	0.5	0.5	0.74
lab*ncE	0.25	0.5	g96b)
relative inform. Technology (IT)			
olvi3*	0.0	0.0	0.5 (1.0)
cmyn3*	1.0	1.0	0.5 (0.0)
olvi4*	0.5	0.5	1.0 0.5
cmyn4*	0.5	0.5	0.0 0.5
standard and adapted CIELAB			
LAB*Lab	25.37	-1.73	-21.15
LAB*Lab	25.27	-0.45	-23.27
LAB*Tech	25.01	23.29	268.86

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

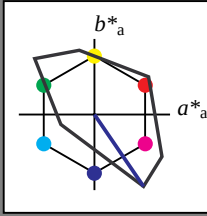
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	65.44	32.45	-47.52
LAB*LABa	65.44	32.45	-47.52
LAB*LABb	75.0	57.55	304.33

relative CIELAB lab*

lab*lab	0.613	0.282	-0.412
lab*tch	0.75	0.5	0.845
lab*nch	0.0	0.5	0.845

relative Natural Colour (NC)

lab*trj	0.613	0.217	-0.449
lab*tce	0.5	0.5	0.822
lab*nce	0.0	0.5	0.822

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	46.09	32.46	-47.52
LAB*LABa	46.09	32.46	-47.52
LAB*LABb	50.0	57.55	304.33

relative CIELAB lab*

lab*lab	0.363	0.282	-0.412
lab*tch	0.5	0.5	0.845
lab*nch	0.0	0.5	0.845

relative Natural Colour (NC)

lab*trj	0.363	0.218	-0.449
lab*tce	0.5	0.5	0.822
lab*nce	0.0	0.5	0.822

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	26.75	32.45	-47.52
LAB*LABa	26.75	32.45	-47.52
LAB*LABb	25.01	57.55	304.33

relative CIELAB lab*

lab*lab	0.113	0.282	-0.412
lab*tch	0.25	0.5	0.845
lab*nch	0.0	0.5	0.845

relative Natural Colour (NC)

lab*trj	0.113	0.217	-0.449
lab*tce	0.25	0.5	0.822
lab*nce	0.0	0.5	0.822

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

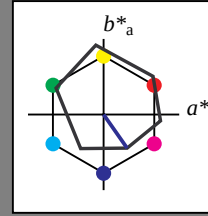
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	-0.88	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.73
LAB*LABa	37.36	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.0	0.0
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

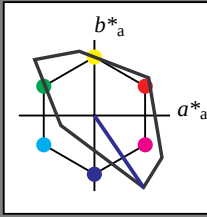
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0
LAB*TCHa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0
LAB*TCHa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.5	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0
LAB*TCHa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.75	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0
LAB*TCHa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	1.0	(1.0)
cmyn3*	0.25	0.25	0.0	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	80.42	16.22	-23.75	0.0
LAB*LABa	80.42	16.22	-23.75	0.0
LAB*TCHa	87.5	28.77	304.33	0.0
relative CIELAB lab*				
lab*lab	0.806	0.141	-0.205	0.0
lab*tch	0.875	0.25	0.845	0.0
lab*nch	0.0	0.25	0.845	0.0
relative Natural Colour (NC)				
lab*trj	0.806	0.109	-0.224	0.0
lab*tce	0.875	0.25	0.822	0.0
lab*nce	0.0	0.25	0.822	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.75	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	61.08	16.23	-23.76	0.0
LAB*LABa	61.08	16.23	-23.76	0.0
LAB*TCHa	62.5	28.78	304.33	0.0
relative CIELAB lab*				
lab*lab	0.556	0.141	-0.205	0.0
lab*tch	0.625	0.25	0.845	0.0
lab*nch	0.25	0.25	0.845	0.0
relative Natural Colour (NC)				
lab*trj	0.556	0.109	-0.224	0.0
lab*tce	0.625	0.25	0.822	0.0
lab*nce	0.25	0.25	0.822	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.5	(1.0)
cmyn3*	0.75	0.75	0.5	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	41.73	16.23	-23.76	0.0
LAB*LABa	41.73	16.23	-23.76	0.0
LAB*TCHa	37.5	28.78	304.33	0.0
relative CIELAB lab*				
lab*lab	0.306	0.141	-0.205	0.0
lab*tch	0.375	0.25	0.845	0.0
lab*nch	0.25	0.25	0.845	0.0
relative Natural Colour (NC)				
lab*trj	0.306	0.109	-0.224	0.0
lab*tce	0.375	0.25	0.822	0.0
lab*nce	0.25	0.25	0.822	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	1.0	1.0	0.75	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	22.38	16.22	-23.75	0.0
LAB*LABa	22.38	16.22	-23.75	0.0
LAB*TCHa	12.5	28.77	304.33	0.0
relative CIELAB lab*				
lab*lab	0.056	0.141	-0.205	0.0
lab*tch	0.125	0.25	0.845	0.0
lab*nch	0.75	0.25	0.845	0.0
relative Natural Colour (NC)				
lab*trj	0.056	0.109	-0.224	0.0
lab*tce	0.125	0.25	0.822	0.0
lab*nce	0.75	0.25	0.822	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	1.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	65.44	32.45	-47.52	0.0
LAB*LABa	65.44	32.45	-47.52	0.0
LAB*TCHa	75.0	57.55	304.33	0.0
relative CIELAB lab*				
lab*lab	0.613	0.282	-0.412	0.0
lab*tch	0.75	0.5	0.845	0.0
lab*nch	0.0	0.5	0.845	0.0
relative Natural Colour (NC)				
lab*trj	0.613	0.217	-0.449	0.0
lab*tce	0.75	0.5	0.822	0.0
lab*nce	0.0	0.5	0.822	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.75	(1.0)
cmyn3*	0.75	0.75	0.25	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	46.09	32.46	-47.53	0.0
LAB*LABa	46.09	32.46	-47.53	0.0
LAB*TCHa	50.0	57.56	304.33	0.0
relative CIELAB lab*				
lab*lab	0.363	0.282	-0.412	0.0
lab*tch	0.5	0.5	0.845	0.0
lab*nch	0.25	0.5	0.845	0.0
relative Natural Colour (NC)				
lab*trj	0.363	0.218	-0.449	0.0
lab*tce	0.5	0.5	0.822	0.0
lab*nce	0.25	0.5	0.822	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.5	(1.0)
cmyn3*	1.0	1.0	0.5	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	26.75	32.45	-47.52	0.0
LAB*LABa	26.75	32.45	-47.52	0.0
LAB*TCHa	25.01	57.55	304.33	0.0
relative CIELAB lab*				
lab*lab	0.113	0.282	-0.412	0.0
lab*tch	0.25	0.5	0.845	0.0
lab*nch	0.5	0.5	0.845	0.0
relative Natural Colour (NC)				
lab*trj	0.113	0.217	-0.449	0.0
lab*tce	0.25	0.5	0.822	0.0
lab*nce	0.5	0.5	0.822	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	1.0	1.0	0.75	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	11.11	48.68	-71.28	0.0
LAB*LABa	11.11	48.68	-71.28	0.0
LAB*TCHa	37.51	86.33	304.33	0.0
relative CIELAB lab*				
lab*lab	0.169	0.423	-0.618	0.0
lab*tch	0.375	0.75	0.845	0.0
lab*nch	0.25	0.75	0.845	0.0
relative Natural Colour (NC)				
lab*trj	0.169	0.326	-0.674	0.0
lab*tce	0.375	0.75	0.822	0.0
lab*nce	0.25	0.75	0.822	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.		

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

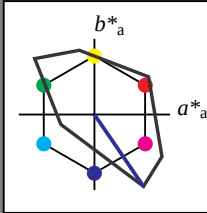
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCHa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCHa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCHa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCHa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCHa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	65.44	32.45	-47.52	
LAB*LABa	65.44	32.45	-47.52	
LAB*TCHa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.5	0.5	
lab*tch	0.5	0.5	0.5	
lab*nch	0.0	0.5	0.845	
relative Natural Colour (NC)				
lab*trj	0.5	0.5	0.5	
lab*tce	0.5	0.5	0.822	
lab*nce	0.0	0.5	0.826	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	46.09	32.46	-47.53	
LAB*LABa	46.09	32.46	-47.53	
LAB*TCHa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.25	0.25	
lab*tch	0.25	0.25	0.25	
lab*nch	0.0	0.25	0.845	
relative Natural Colour (NC)				
lab*trj	0.25	0.25	0.25	
lab*tce	0.25	0.25	0.822	
lab*nce	0.0	0.25	0.826	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	26.75	32.45	-47.52	
LAB*LABa	26.75	32.45	-47.52	
LAB*TCHa	25.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.845	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.822	
lab*nce	0.0	0.0	0.826	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	11.13	21.7	-44.9	
LAB*LABa	11.13	21.7	-44.9	
LAB*TCHa	12.5	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.845	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.822	
lab*nce	0.0	0.0	0.826	

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	35.47	64.91	-95.04	
LAB*LABa	35.47	64.91	-95.04	
LAB*TCHa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.25	0.25	
lab*tch	0.25	0.25	0.25	
lab*nch	0.0	0.25	0.845	
relative Natural Colour (NC)				
lab*trj	0.25	0.25	0.25	
lab*tce	0.25	0.25	0.822	
lab*nce	0.0	0.25	0.826	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	14.2	2.06	
LAB*LABa	16.57	14.2	2.06	
LAB*TCHa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.845	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.822	
lab*nce	0.0	0.0	0.826	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.0	0.0	0.0	
LAB*LABa	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.845	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.822	
lab*nce	0.0	0.0	0.826	

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

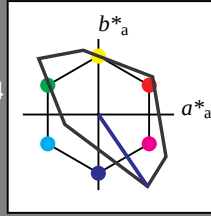
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	1.0	(1.0)
cmyn3*	0.25	0.25	0.0	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	80.42	16.22	-23.75
LAB*LABa	80.42	16.22	-23.75
LAB*LABb	87.5	28.77	304.33

relative CIELAB lab*

lab*lab	0.806	0.141	-0.205
lab*tch	0.875	0.25	0.845
lab*nch	0.0	0.25	0.845

relative Natural Colour (NC)

lab*trj	0.806	0.109	-0.224
lab*tce	0.875	0.25	0.822
lab*nce	0.0	0.25	0.822

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.75	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	61.08	16.23	-23.76
LAB*LABa	61.08	16.23	-23.76
LAB*LABb	62.5	28.78	304.33

relative CIELAB lab*

lab*lab	0.556	0.141	-0.205
lab*tch	0.625	0.25	0.845
lab*nch	0.25	0.25	0.845

relative Natural Colour (NC)

lab*trj	0.556	0.109	-0.224
lab*tce	0.625	0.25	0.822
lab*nce	0.25	0.25	0.822

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.5	(1.0)
cmyn3*	0.75	0.75	0.5	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	41.73	16.23	-23.76
LAB*LABa	41.73	16.23	-23.76
LAB*LABb	37.5	28.78	304.33

relative CIELAB lab*

lab*lab	0.306	0.141	-0.205
lab*tch	0.375	0.25	0.845
lab*nch	0.25	0.25	0.845

relative Natural Colour (NC)

lab*trj	0.306	0.109	-0.224
lab*tce	0.375	0.25	0.822
lab*nce	0.25	0.25	0.822

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	1.0	1.0	0.75	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	22.38	16.22	-23.75
LAB*LABa	22.38	16.22	-23.75
LAB*LABb	12.5	28.77	304.33

relative CIELAB lab*

lab*lab	0.056	0.141	-0.205
lab*tch	0.125	0.25	0.845
lab*nch	0.25	0.25	0.845

relative Natural Colour (NC)

lab*trj	0.056	0.109	-0.224
lab*tce	0.125	0.25	0.822
lab*nce	0.25	0.25	0.822

$n^* = 0,50$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	1.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	65.09	32.45	-47.52
LAB*LABa	65.44	32.45	-47.52
LAB*LABb	75.0	57.55	304.33

relative CIELAB lab*

lab*lab	0.613	0.282	-0.412
lab*tch	0.75	0.5	0.845
lab*nch	0.0	0.5	0.845

relative Natural Colour (NC)

lab*trj	0.419	0.326	-0.674
lab*tce	0.75	0.5	0.822
lab*nce	0.0	0.5	0.822

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.5	(1.0)
cmyn3*	0.75	0.75	0.25	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	46.09	32.46	-47.53
LAB*LABa	46.09	32.46	-47.53
LAB*LABb	50.0	57.56	304.33

relative CIELAB lab*

lab*lab	0.363	0.282	-0.412
lab*tch	0.5	0.5	0.845
lab*nch	0.25	0.5	0.845

relative Natural Colour (NC)

lab*trj	0.363	0.218	-0.449
lab*tce	0.5	0.5	0.822
lab*nce	0.25	0.5	0.822

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	1.0	1.0	0.75	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	26.75	32.45	-47.52
LAB*LABa	26.75	32.45	-47.52
LAB*LABb	25.01	57.55	304.33

relative CIELAB lab*

lab*lab	0.113	0.282	-0.412
lab*tch	0.25	0.5	0.845
lab*nch	0.25	0.5	0.845

relative Natural Colour (NC)

lab*trj	0.113	0.217	-0.449
lab*tce	0.25	0.5	0.822
lab*nce	0.25	0.5	0.822

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

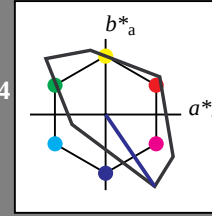
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

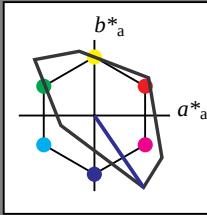
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0
LAB*TCHa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0
LAB*TCHa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0
LAB*TCHa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0
LAB*TCHa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	1.0	(1.0)
cmyn3*	0.25	0.25	0.0	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	80.42	16.22	-23.75	-
LAB*LABa	80.42	16.22	-23.75	-
LAB*TCHa	87.5	28.77	304.33	-
relative CIELAB lab*				
lab*lab	0.806	0.141	-0.205	-
lab*tch	0.875	0.25	0.845	-
lab*nch	0.0	0.25	0.845	-
relative Natural Colour (NC)				
lab*trj	0.806	0.109	-0.224	-
lab*tce	0.875	0.25	0.822	-
lab*nce	0.0	0.25	0.822	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.75	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	61.08	16.23	-23.76	-
LAB*LABa	61.08	16.23	-23.76	-
LAB*TCHa	62.5	28.78	304.33	-
relative CIELAB lab*				
lab*lab	0.556	0.141	-0.205	-
lab*tch	0.625	0.25	0.845	-
lab*nch	0.25	0.25	0.845	-
relative Natural Colour (NC)				
lab*trj	0.556	0.109	-0.224	-
lab*tce	0.625	0.25	0.822	-
lab*nce	0.25	0.25	0.822	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.5	(1.0)
cmyn3*	0.75	0.75	0.5	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	41.73	16.23	-23.76	-
LAB*LABa	41.73	16.23	-23.76	-
LAB*TCHa	37.5	28.78	304.33	-
relative CIELAB lab*				
lab*lab	0.306	0.141	-0.205	-
lab*tch	0.375	0.25	0.845	-
lab*nch	0.25	0.25	0.845	-
relative Natural Colour (NC)				
lab*trj	0.306	0.109	-0.224	-
lab*tce	0.375	0.25	0.822	-
lab*nce	0.25	0.25	0.822	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	1.0	1.0	0.75	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	22.38	16.22	-23.75	-
LAB*LABa	22.38	16.22	-23.75	-
LAB*TCHa	12.5	28.77	304.33	-
relative CIELAB lab*				
lab*lab	0.056	0.141	-0.205	-
lab*tch	0.125	0.25	0.845	-
lab*nch	0.75	0.25	0.845	-
relative Natural Colour (NC)				
lab*trj	0.056	0.109	-0.224	-
lab*tce	0.125	0.25	0.822	-
lab*nce	0.75	0.25	0.822	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	1.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	65.44	32.45	-47.52	-
LAB*LABa	65.44	32.45	-47.52	-
LAB*TCHa	75.0	57.55	304.33	-
relative CIELAB lab*				
lab*lab	0.613	0.282	-0.412	-
lab*tch	0.75	0.5	0.845	-
lab*nch	0.0	0.5	0.845	-
relative Natural Colour (NC)				
lab*trj	0.419	0.326	-0.674	-
lab*tce	0.75	0.5	0.822	-
lab*nce	0.0	0.5	0.822	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	1.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	46.09	32.46	-47.53	-
LAB*LABa	46.09	32.46	-47.53	-
LAB*TCHa	50.0	57.56	304.33	-
relative CIELAB lab*				
lab*lab	0.363	0.282	-0.412	-
lab*tch	0.5	0.5	0.845	-
lab*nch	0.25	0.5	0.845	-
relative Natural Colour (NC)				
lab*trj	0.363	0.218	-0.449	-
lab*tce	0.5	0.5	0.822	-
lab*nce	0.25	0.5	0.822	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.5	(1.0)
cmyn3*	1.0	1.0	0.5	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	26.75	32.45	-47.52	-
LAB*LABa	26.75	32.45	-47.52	-
LAB*TCHa	25.01	57.55	304.33	-
relative CIELAB lab*				
lab*lab	0.113	0.282	-0.412	-
lab*tch	0.25	0.5	0.845	-
lab*nch	0.5	0.5	0.845	-
relative Natural Colour (NC)				
lab*trj	0.113	0.217	-0.449	-
lab*tce	0.25	0.5	0.822	-
lab*nce	0.5	0.5	0.822	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	1.0	1.0	0.75	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	11.3	16.22	-23.75	-
LAB*LABa	11.3	16.22	-23.75	-
LAB*TCHa	12.5	28.77	304.33	-
relative CIELAB lab*				
lab*lab	0.013	0.141	-0.205	-
lab*tch	0.025	0.25	0.845	-
lab*nch	0.75	0.25	0.845	-
relative Natural Colour (NC)				
lab*trj	0.013	0.109	-0.224	-
lab*tce	0.025	0.25	0.822	-
lab*nce	0.75	0.25	0.822	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	1.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	0.25	0.25	1.0	(1.0)
cmyn4*	0.75	0.75	0.0	(0.0)
standard and adapted CIELAB				

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

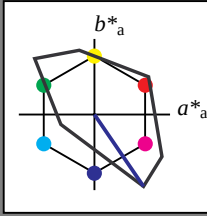
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*LABb	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*LABb	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*LABb	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.75	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*LABb	0.01	0.0	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	1.0	(1.0)
cmyn3*	0.25	0.25	0.0	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	80.42	16.22	-23.75	
LAB*LABa	80.42	16.22	-23.75	
LAB*LABb	87.5	18.77	304.33	
relative CIELAB lab*				
lab*lab	0.806	0.141	-0.205	
lab*tch	0.875	0.25	0.845	
lab*nch	0.0	0.25	0.845	
relative Natural Colour (NC)				
lab*trj	0.806	0.109	-0.224	
lab*tce	0.875	0.25	0.822	
lab*nce	0.0	0.25	0.822	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.75	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	61.08	16.23	-23.76	
LAB*LABa	61.08	16.23	-23.76	
LAB*LABb	62.5	18.78	304.33	
relative CIELAB lab*				
lab*lab	0.556	0.141	-0.205	
lab*tch	0.625	0.25	0.845	
lab*nch	0.25	0.25	0.845	
relative Natural Colour (NC)				
lab*trj	0.556	0.109	-0.224	
lab*tce	0.625	0.25	0.822	
lab*nce	0.25	0.25	0.822	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.5	(1.0)
cmyn3*	0.75	0.75	0.5	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	41.73	16.23	-23.76	
LAB*LABa	41.73	16.23	-23.76	
LAB*LABb	37.5	18.78	304.33	
relative CIELAB lab*				
lab*lab	0.306	0.141	-0.205	
lab*tch	0.375	0.25	0.845	
lab*nch	0.25	0.25	0.845	
relative Natural Colour (NC)				
lab*trj	0.306	0.109	-0.224	
lab*tce	0.375	0.25	0.822	
lab*nce	0.25	0.25	0.822	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	1.0	1.0	0.75	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	22.38	16.22	-23.75	
LAB*LABa	22.38	16.22	-23.75	
LAB*LABb	12.5	18.77	304.33	
relative CIELAB lab*				
lab*lab	0.056	0.141	-0.205	
lab*tch	0.125	0.25	0.845	
lab*nch	0.75	0.25	0.845	
relative Natural Colour (NC)				
lab*trj	0.056	0.109	-0.224	
lab*tce	0.125	0.25	0.822	
lab*nce	0.75	0.25	0.822	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	1.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	65.44	32.45	-47.52	
LAB*LABa	65.44	32.45	-47.52	
LAB*LABb	75.0	57.55	304.33	
relative CIELAB lab*				
lab*lab	0.613	0.282	-0.412	
lab*tch	0.75	0.5	0.845	
lab*nch	0.0	0.5	0.845	
relative Natural Colour (NC)				
lab*trj	0.419	0.326	-0.674	
lab*tce	0.75	0.5	0.822	
lab*nce	0.0	0.5	0.822	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	1.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	46.09	32.46	-47.53	
LAB*LABa	46.09	32.46	-47.53	
LAB*LABb	50.0	57.56	304.33	
relative CIELAB lab*				
lab*lab	0.363	0.282	-0.412	
lab*tch	0.5	0.5	0.845	
lab*nch	0.25	0.5	0.845	
relative Natural Colour (NC)				
lab*trj	0.363	0.218	-0.449	
lab*tce	0.5	0.5	0.822	
lab*nce	0.25	0.5	0.822	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.5	(1.0)
cmyn3*	1.0	1.0	0.5	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	26.75	32.45	-47.52	
LAB*LABa	26.75	32.45	-47.52	
LAB*LABb	25.01	57.55	304.33	
relative CIELAB lab*				
lab*lab	0.113	0.282	-0.412	
lab*tch	0.25	0.5	0.845	
lab*nch	0.5	0.5	0.845	
relative Natural Colour (NC)				
lab*trj	0.113	0.217	-0.449	
lab*tce	0.25	0.5	0.822	
lab*nce	0.5	0.5	0.822	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	1.0	1.0	0.75	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	11.13	16.22	-23.75	
LAB*LABa	11.13	16.22	-23.75	
LAB*LABb	12.5	18.77	304.33	
relative CIELAB lab*				
lab*lab	0.013	0.282	-0.412	
lab*tch	0.25	0.5	0.845	
lab*nch	0.75	0.5	0.845	
relative Natural Colour (NC)				
lab*trj	0.013	0.217	-0.449	
lab*tce	0.25	0.5	0.822	
lab*nce	0.75	0.5	0.822	

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.61	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

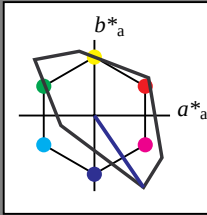
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 65.44 0.0 0.0
LAB*LABa 65.44 0.0 0.0
LAB*TCRa 57.55 304.33

relative CIELAB lab*
lab*lab 0.613 0.282 -0.412
lab*tch 0.75 0.5 0.845
lab*nch 0.0 0.5 0.845
relative Natural Colour (NC)
lab*trj 0.419 0.109 -0.224
lab*tce 0.75 0.25 0.822
lab*nce 0.0 0.5 0.822

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.09 32.46 -47.52
LAB*LABa 46.09 32.46 -47.52
LAB*TCRa 50.0 57.55 304.33

relative CIELAB lab*
lab*lab 0.363 0.282 -0.412
lab*tch 0.625 0.75 0.845
lab*nch 0.0 0.5 0.845
relative Natural Colour (NC)
lab*trj 0.363 0.218 -0.449
lab*tce 0.5 0.5 0.822
lab*nce 0.25 0.5 0.822

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 0.5 0.5 1.0 (0.0)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 26.75 32.45 -47.52
LAB*LABa 26.75 32.45 -47.52
LAB*TCRa 25.01 57.55 304.33

relative CIELAB lab*
lab*lab 0.113 0.282 -0.412
lab*tch 0.25 0.5 0.845
lab*nch 0.0 0.5 0.845
relative Natural Colour (NC)
lab*trj 0.113 0.217 -0.449
lab*tce 0.25 0.5 0.822
lab*nce 0.0 0.5 0.822

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

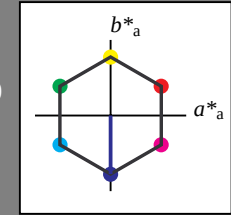
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 0.0 -38.03
LAB*LABa 66.38 0.0 -38.03
LAB*TCRa 62.5 58.04 270.0

relative CIELAB lab*
lab*lab 0.625 0.0 -0.249
lab*tch 0.625 0.25 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.625 0.005 -0.249
lab*tce 0.625 0.25 0.746
lab*nce 0.0 0.5 0.980

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*TCRa 50.0 38.7 270.0

relative CIELAB lab*
lab*lab 0.5 0.0 -0.499
lab*tch 0.5 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.011 -0.499
lab*tce 0.5 0.5 0.746
lab*nce 0.25 0.5 0.980

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 -38.68
LAB*LABa 37.36 0.0 -38.68
LAB*TCRa 25.01 38.69 270.0

relative CIELAB lab*
lab*lab 0.25 0.0 -0.499
lab*tch 0.25 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.25 -0.011 -0.499
lab*tce 0.25 0.5 0.746
lab*nce 0.25 0.5 0.980

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 0.5 0.5 1.0 (0.0)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 26.75 32.46 -47.52
LAB*LABa 26.75 32.46 -47.52
LAB*TCRa 25.01 57.55 304.33

relative CIELAB lab*
lab*lab 0.375 0.0 -0.499
lab*tch 0.375 0.25 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.375 0.005 -0.249
lab*tce 0.375 0.25 0.746
lab*nce 0.25 0.5 0.980

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 304/360 = 0.845 (left)

5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$

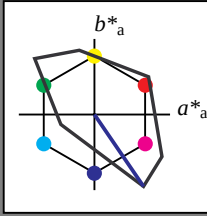
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)

standard and adapted CIE LAB

relative CIE LAB lab*

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0.75

relative Inform. Technology (IT)

standard and adapted CIE LAB

relative CIE LAB lab*

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

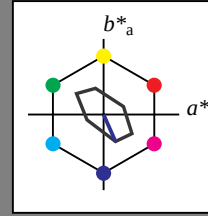
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

standard and adapted CIE LAB

relative CIE LAB lab*

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

standard and adapted CIE LAB

relative CIE LAB lab*

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIE LAB

relative CIE LAB lab*

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIE LAB

relative CIE LAB lab*

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIE LAB

relative CIE LAB lab*

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

relative Natural Colour (NC)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

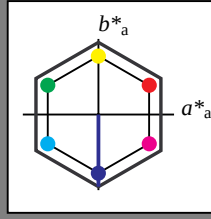
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	63.61	0.0	0.0
LAB*LABa	63.61	0.0	0.0
LAB*LABb	67.69	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	31.81	0.0	0.0
LAB*LABa	31.81	0.0	0.0
LAB*LABb	35.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

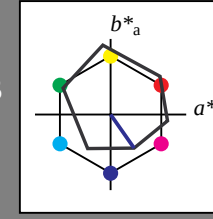
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	60.56	15.23	-19.79
LAB*LABa	60.56	15.23	-19.79
LAB*LABb	75.0	27.1	305.0

relative CIELAB lab*

lab*lab	0.55	0.287	-0.408
lab*tch	0.55	0.287	-0.408
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.55	0.287	-0.408
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	41.22	15.6	-21.1</
---------	-------	------	---------

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

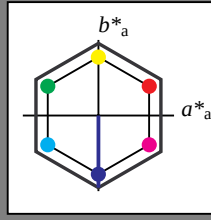
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCHa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCHa	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCHa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	63.61	0.0	0.0
LAB*LABa	63.61	0.0	0.0
LAB*TCHa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	31.81	0.0	0.0
LAB*LABa	31.81	0.0	0.0
LAB*TCHa	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

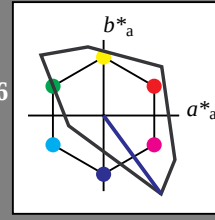
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

5 step scales for constant CIELAB hue 306/360 = 0.851 (right)

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

Technology (IT)				
	0.5	1.0		(1.0)
	0.5	0.0		(0.0)
	0.5	1.0	1.0	
	0.5	0.0	0.0	
dapted CIELAB				
	39	38.02	-51.78	
	39	38.02	-51.78	
	0	64.25	306.29	
Lab*				
	59	0.296	-0.402	
	75	0.5	0.851	
	75	0.5	0.851	
Colour (NC)				
	59	0.23	0.443	
	75	0.5	0.826	
	75	0.5	0.826	
	0	0.5	0.30	

relative Inform	
olvi3*	0.25
cmyn3*	0.75
olvi4*	0.25
cmyn4*	0.75
standard and	
LAB*LAB	40

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

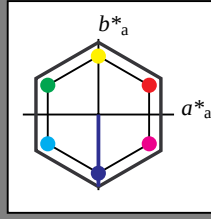
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 269/360 = 0.747$

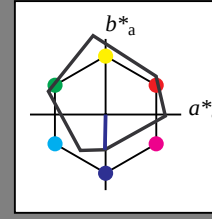
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

5 step scales for constant CIELAB hue 269/360 = 0.747 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

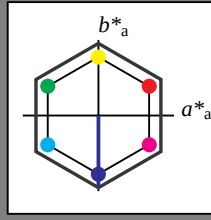
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	63.61	0.0	0.0
LAB*LABa	63.61	0.0	0.0
LAB*LABb	67.69	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.25	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	31.81	0.0	0.0
LAB*LABa	31.81	0.0	0.0
LAB*LABb	35.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

$n^* = 5,25$

$n^* = 5,50$

$n^* = 5,75$

$n^* = 6,00$

$n^* = 6,25$

$n^* = 6,50$

$n^* = 6,75$

$n^* = 7,00$

$n^* = 7,25$

$n^* = 7,50$

$n^* = 7,75$

$n^* = 8,00$

$n^* = 8,25$

$n^* = 8,50$

$n^* = 8,75$

$n^* = 9,00$

$n^* = 9,25$

$n^* = 9,50$

$n^* = 9,75$

$n^* = 10,00$

$n^* = 10,25$

$n^* = 10,50$

$n^* = 10,75$

$n^* = 11,00$

$n^* = 11,25$

$n^* = 11,50$

$n^* = 11,75$

$n^* = 12,00$

$n^* = 12,25$

$n^* = 12,50$

$n^* = 12,75$

$n^* = 13,00$

$n^* = 13,25$

$n^* = 13,50$

$n^* = 13,75$

$n^* = 14,00$

$n^* = 14,25$

$n^* = 14,50$

$n^* = 14,75$

$n^* = 15,00$

$n^* = 15,25$

$n^* = 15,50$

$n^* = 15,75$

$n^* = 16,00$

$n^* = 16,25$

$n^* = 16,50$

$n^* = 16,75$

$n^* = 17,00$

$n^* = 17,25$

$n^* = 17,50$

$n^* = 17,75$

$n^* = 18,00$

$n^* = 18,25$

$n^* = 18,50$

$n^* = 18,75$

$n^* = 19,00$

$n^* = 19,25$

$n^* = 19,50$

$n^* = 19,75$

$n^* = 20,00$

$n^* = 20,25$

$n^* = 20,50$

$n^* = 20,75$

$n^* = 21,00$

$n^* = 21,25$

$n^* = 21,50$

$n^* = 21,75$

$n^* = 22,00$

$n^* = 22,25$

$n^* = 22,50$

$n^* = 22,75$

$n^* = 23,00$

$n^* = 23,25$

$n^* = 23,50$

$n^* = 23,75$

$n^* = 24,00$

$n^* = 24,25$

$n^* = 24,50$

$n^* = 24,75$

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

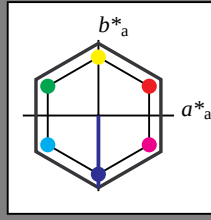
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

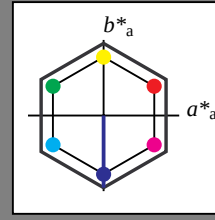
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*TCHa 99.99 0.02 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 0.75 0.75 0.75 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 71.57 0.0 0.0

LAB*LABa 71.57 0.0 0.0

LAB*TCHa 75.0 0.02 -

relative CIELAB lab*

lab*lab 0.833 0.0 -0.249

lab*tch 0.875 0.25 0.75

lab*nch 0.0 0.25 0.75

relative Natural Colour (NC)

lab*trj 0.833 0.005 -0.249

lab*tce 0.875 0.25 0.746

lab*nce 0.0 0.25 0.980

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 0.5 0.5 0.5 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 55.66 0.0 -23.84

LAB*LABa 55.66 0.0 -23.84

LAB*TCHa 62.5 23.84 270.0

relative CIELAB lab*

lab*lab 0.583 0.0 -0.249

lab*tch 0.625 0.25 0.75

lab*nch 0.25 0.25 0.75

relative Natural Colour (NC)

lab*trj 0.583 0.005 -0.249

lab*tce 0.625 0.25 0.746

lab*nce 0.25 0.25 0.980

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 0.25 0.25 0.25 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 47.72 0.0 0.0

LAB*LABa 47.72 0.0 0.0

LAB*TCHa 50.0 0.02 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 -

lab*nch 0.5 0.0 -

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 -

lab*nce 0.5 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 0.0 0.0 0.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 31.81 0.0 -23.84

LAB*LABa 31.81 0.0 -23.84

LAB*TCHa 37.5 23.84 270.0

relative CIELAB lab*

lab*lab 0.333 0.0 -0.249

lab*tch 0.375 0.25 0.75

lab*nch 0.0 0.25 0.75

relative Natural Colour (NC)

lab*trj 0.333 0.005 -0.249

lab*tce 0.375 0.25 0.746

lab*nce 0.0 0.25 0.980

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 0.0 0.0 0.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 15.92 0.0 -47.68

LAB*LABa 15.92 0.0 -47.68

LAB*TCHa 15.92 47.69 270.0

relative CIELAB lab*

lab*lab 0.167 0.0 -0.499

lab*tch 0.167 0.0 0.75

lab*nch 0.0 0.75 0.75

relative Natural Colour (NC)

lab*trj 0.167 -0.011 -0.499

lab*tce 0.167 0.0 0.746

lab*nce 0.0 0.75 0.980

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 0.0 0.0 0.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.0 0.0 0.0

LAB*LABa 0.0 0.0 0.0

LAB*TCHa 0.0 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 0.0 0.0 0.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.0 0.0 0.0

LAB*LABa 0.0 0.0 0.0

LAB*TCHa 0.0 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 0.0 0.0 0.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.0 0.0 0.0

LAB*LABa 0.0 0.0 0.0

LAB*TCHa 0.0 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 0.0 0.0 0.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.0 0.0 0.0

LAB*LABa 0.0 0.0 0.0

LAB*TCHa 0.0 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 0.0 0.0 0.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.0 0.0 0.0

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

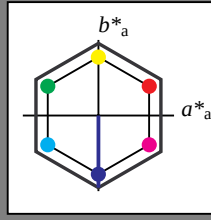
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ 1.0$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*LABa \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ 1.0$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*LABa \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ 1.0$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*LABa \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ 1.0$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.5 \ 0.5 \ 0.5 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 63.61 \ 0.0 \ 0.0$
 $LAB^*LABa \ 63.61 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ 1.0$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.5 \ 0.5 \ 0.5 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 38.76 \ 0.0 \ 0.0$
 $LAB^*LABa \ 38.76 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.5 \ 0.5 \ 0.5 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 19.37 \ 0.0 \ 0.0$
 $LAB^*LABa \ 19.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

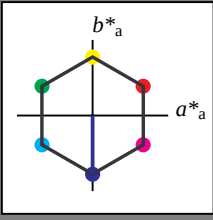
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ 1.0$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*LABa \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ 1.0$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 46.72 \ 0.0 \ 0.0$
 $LAB^*LABa \ 46.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ 1.0$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*LABa \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ 1.0$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.5 \ 0.5 \ 0.5 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.61 \ 0.0 \ 0.0$
 $LAB^*LABa \ 69.61 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ 1.0$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.5 \ 0.5 \ 0.5 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 50.26 \ 0.0 \ 0.0$
 $LAB^*LABa \ 50.26 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

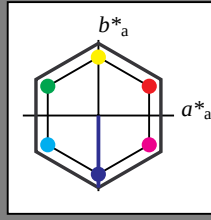
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



NLS00; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

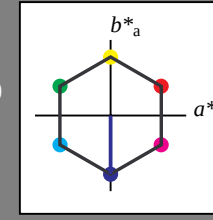
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



SRS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 71.57 0.0 0.0

LAB*LABa 71.57 0.0 0.0

LAB*LABb 71.57 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

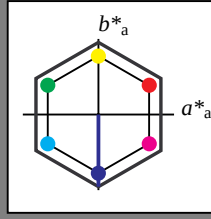
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TBCh	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TBCh	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TBCh	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TBCh	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TBCh	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

0,50

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

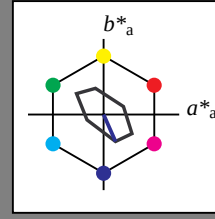
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TBCh	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*TBCh	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TBCh	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TBCh	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TBCh	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	3.94	-8.9
LAB*LABa	88.98	3.94	-8.9
LAB*TBCh	87.5	9.74	293.86

relative CIELAB lab*

lab*lab	0.773	0.101	-0.228
lab*tch	0.875	0.25	0.816
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.773	0.101	-0.228
lab*tce	0.25	0.25	0.799
lab*nce	0.0	0.25	0.199

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	3.94	-8.9
LAB*LABa	47.72	3.94	-8.9
LAB*TBCh	50.0	9.74	293.86

relative CIELAB lab*

lab*lab	0.523	0.101	-0.228
lab*tch	0.625	0.25	0.816
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.523	0.101	-0.228
lab*tce	0.25	0.25	0.799
lab*nce	0.0	0.25	0.199

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	3.94	-8.9
LAB*LABa	23.87	3.94	-8.9
LAB*TBCh	25.0	9.74	293.86

relative CIELAB lab*

lab*lab	0.273	0.101	-0.228
lab*tch	0.375	0.25	0.816
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.273	0.101	-0.228
lab*tce	0.25	0.25	0.799
lab*nce	0.0	0.25	0.199

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	3.94	-8.9
LAB*LABa	0.03	3.94	-8.9
LAB*TBCh	0.01	9.74	293.86

relative CIELAB lab*

lab*lab	0.023	0.101	-0.228
lab*tch	0.125	0.25	0.816
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.023	0.101	-0.228
lab*tce	0.125	0.25	0.799
lab*nce	0.0	0.25	0.199

$n^* = 0,50$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	3.94	-8.9
LAB*LABa	23.87	3.94	-8.9
LAB*TBCh	25.0	9.74	293.86

relative CIELAB lab*

lab*lab	0.273	0.101	-0.228
lab*tch	0.375	0.25	0.816
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.273	0.101	-0.228
lab*tce	0.25	0.25	0.799
lab*nce	0.0	0.25	0.199

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	3.94	-8.9
LAB*LABa	0.03	3.94	-8.9
LAB*TBCh	0.01	9.74	293.86

relative CIELAB lab*

lab*lab	0.023	0.101	-0.228
lab*tch	0.125	0.25	0.816
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.023	0.101	-0.228
lab*tce	0.125	0.25	0.799
lab*nce	0.0	0.25	0.199

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

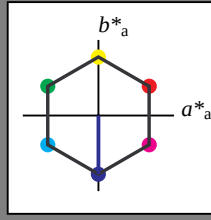
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0.75

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

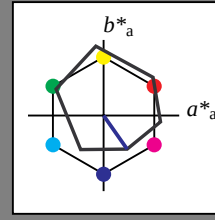
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 1.0 0.0 0.0

lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.07 0.0 0.0

LAB*LABa 76.07 0.0 0.0

LAB*LABb 76.07 0.0 0.0

LAB*LABc 76.07 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 18.03 0.0 0.0

LAB*LABc 18.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 18.03 0.0 0.0

LAB*LABc 18.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 18.03 0.0 0.0

LAB*LABc 18.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 18.03 0.0 0.0

LAB*LABc 18.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 18.03 0.0 0.0

LAB*LABc 18.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 18.03 0.0 0.0

LAB*LABc 18.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 18.03 0.0 0.0

LAB*LABc 18.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 18.03 0.0 0.0

LAB*LABc 18.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

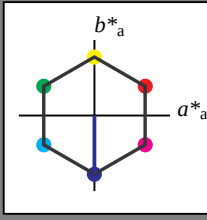
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	69.61	0.0	-38.68
LAB*LABa	69.61	0.0	-38.68
LAB*TCRa	75.0	38.69	270.0

relative CIELAB lab*

lab*lab	0.667	0.0	-0.499
lab*tch	0.75	0.0	-
lab*nch	0.0	0.5	0.75

relative Natural Colour (NC)

lab*trj	0.667	-0.011	-0.499
lab*tce	0.5	0.5	0.746
lab*nce	0.0	0.5	0.980

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	50.26	0.0	-38.69
LAB*LABa	50.26	0.0	-38.69
LAB*TCRa	50.0	38.7	270.0

relative CIELAB lab*

lab*lab	0.417	0.0	-0.499
lab*tch	0.5	0.0	-
lab*nch	0.0	0.5	0.75

relative Natural Colour (NC)

lab*trj	0.417	-0.011	-0.499
lab*tce	0.5	0.5	0.746
lab*nce	0.0	0.5	0.980

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	30.92	0.0	-38.68
LAB*LABa	30.92	0.0	-38.68
LAB*TCRa	25.01	38.69	270.0

relative CIELAB lab*

lab*lab	0.167	0.0	-0.499
lab*tch	0.25	0.0	-
lab*nch	0.0	0.5	0.75

relative Natural Colour (NC)

lab*trj	0.167	-0.011	-0.499
lab*tce	0.25	0.5	0.746
lab*nce	0.0	0.5	0.980

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	-38.68
LAB*LABa	18.03	0.0	-38.68
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	-0.499
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	-0.499
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

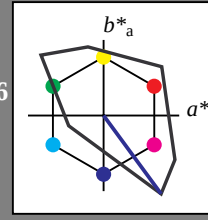
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCRa	50.0	77.38	270.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	62.9	38.02	-51.78
LAB*LABa	62.9	38.02	-51.78
LAB*TCRa	75.0	64.25	306.29

relative CIELAB lab*

lab*lab	0.559	0.296	-0.402
lab*tch	0.75	0.5	0.851
lab*nch	0.0	0.5	0.851

relative Natural Colour (NC)

lab*trj	0.559	0.23	-0.443
lab*tce	0.5	0.5	0.826
lab*nce	0.0	0.5	0.907

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	39.05	38.03	-51.79
LAB*LABa	39.05	38.03	-51.79
LAB*TCRa	50.0	64.26	306.29

relative CIELAB lab*

lab*lab	0.409	0.296	-0.402
lab*tch	0.5	0.5	0.851
lab*nch	0.0	0.5	0.851

relative Natural Colour (NC)

lab*trj	0.409	0.23	-0.443
lab*tce	0.5	0.5	0.826
lab*nce</			

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

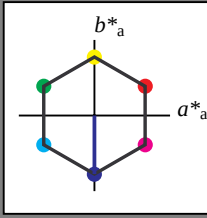
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	43.81	67.03	38.7	77.4	30
YMa	69.61	0.0	77.4	77.4	90
LMa	43.81	-67.02	38.7	77.4	150
CMa	69.61	-67.02	-38.69	77.4	210
VMa	43.81	0.0	-77.39	77.4	270
MMa	69.61	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.61 0.0 -38.68
LAB*LABa 69.61 0.0 -38.68
LAB*TCHa 75.01 38.69 270.0

relative CIELAB lab*
lab*lab 0.5 0.0 -0.499
lab*tch 0.75 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 0.0 -0.499
lab*tce 0.5 0.5 0.746
lab*nce 0.0 0.5 0.906

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.26 0.0 -38.69
LAB*LABa 50.26 0.0 -38.69
LAB*TCHa 50.01 38.7 270.0

relative CIELAB lab*
lab*lab 0.417 0.0 -0.499
lab*tch 0.5 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.417 -0.011 -0.499
lab*tce 0.5 0.5 0.746
lab*nce 0.25 0.5 0.906

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 0.5 0.5 1.0 (0.0)
cmyn4* 0.5 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.92 0.0 -38.68
LAB*LABa 30.92 0.0 -38.68
LAB*TCHa 25.01 38.69 270.0

relative CIELAB lab*
lab*lab 0.167 0.0 -0.499
lab*tch 0.25 0.5 0.75
lab*nch 0.5 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.167 -0.011 -0.499
lab*tce 0.25 0.5 0.746
lab*nce 0.5 0.5 0.906

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (1.0)
cmyn3* 1.0 1.0 0.25 (0.0)
olvi4* 0.5 0.5 0.75 (0.0)
cmyn4* 0.5 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 15.07 0.0 -38.68
LAB*LABa 15.07 0.0 -38.68
LAB*TCHa 12.5 19.34 270.0

relative CIELAB lab*
lab*lab 0.083 0.0 -0.499
lab*tch 0.125 0.25 0.75
lab*nch 0.75 0.25 0.75
relative Natural Colour (NC)
lab*trj 0.083 -0.005 -0.499
lab*tce 0.125 0.25 0.746
lab*nce 0.75 0.25 0.906

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 269/360 = 0.747$

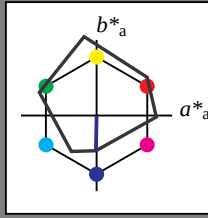
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.11 2.58
LAB*LABa 96.31 0.11 2.58
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 0.44 2.45
LAB*LABa 76.38 0.44 2.45
LAB*TCHa 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 0.78 2.32
LAB*LABa 56.44 0.78 2.32
LAB*TCHa 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 1.09 2.19
LAB*LABa 36.5 1.09 2.19
LAB*TCHa 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 1.41 2.06
LAB*LABa 16.57 1.41 2.06
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	42.21	66.82	50.6	83.82	37
YMa	90.32	-16.51	104.33	105.63	99
LMa	48.21	-75.63	30.65	81.61	158
CMa	53.44	-33.33	-47.49	58.03	235
VMa	34.16	-0.92	-46.56	46.58	269
MMa	42.71	79.0	-1.95	79.03	359
NMa	16.56	0.0	0.0	0.0	0
WMa	96.31	0.0	0.0	0.0	0
RCIE	39.92	59.78	25.77	65.1	23
JCIE	81.26	-2.51	69.07	69.11	92
GCIE	52.23	-41.57	11.3	43.09	165
BCIE	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 65.23 1.08 -20.89
LAB*LABa 65.23 1.08 -20.89
LAB*TCHa 50.01 23.29 268.86

relative CIELAB lab*
lab*lab 0.5 0.0 -0.499
lab*tch 0.75 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 0.0 -0.499
lab*tce 0.5 0.5 0.746
lab*nce 0.0 0.5 0.906

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 45.3 1.41 -21.02
LAB*LABa 45.3 1.41 -21.02
LAB*TCHa 50.01 23.29 268.86

relative CIELAB lab*
lab*lab 0.25 0.0 -0.499
lab*tch 0.5 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.25 0.0 -0.499
lab*tce 0.5 0.5 0.746
lab*nce 0.25 0.5 0.906

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 0.5 0.5 1.0 (0.0)
cmyn4* 0.5 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.37 1.73 21.15
LAB*LABa 25.37 1.73 21.15
LAB*TCHa 25.01 23.29 268.86

relative CIELAB lab*
lab*lab 0.11 -0.009 -0.499
lab*tch 0.25 0.5 0.747
lab*nch 0.5 0.5 0.747
relative Natural Colour (NC)
lab*trj 0.11 -0.009 -0.498
lab*tce 0.25 0.5 0.74
lab*nce 0.5 0.5 0.906

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (1.0)
cmyn3* 1.0 1.0 0.25 (0.0)
olvi4* 0.5 0.5 0.75 (0.0)
cmyn4* 0.5 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 15.57 1.57 -9.53
LAB*LABa 15.57 1.57 -9.53
LAB*TCHa 12.5 19.34 268.86

relative CIELAB lab*
lab*lab 0.055 -0.004 -0.499
lab*tch 0.125 0.25 0.747
lab*nch 0.75 0.25 0.747
relative Natural Colour (NC)
lab*trj 0.055 -0.014 -0.498
lab*tce 0.125 0.25 0.74
lab*nce 0.75 0.25 0.906

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 1.41 2.06
LAB*LABa 16.57 1.41 2.06
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

chromaticness c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

5 step scales for constant CIELAB hue 269/360 = 0.747 (right)

OE500-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

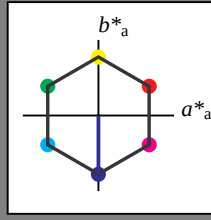
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.25	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	82.51	0.0	-19.33
LAB*LABa	82.51	0.0	-19.33
LAB*LABb	87.5	19.34	27.00

relative CIELAB lab*

lab*lab	0.833	0.0	-0.249
lab*tch	0.875	0.25	0.75
lab*nch	0.0	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.833	0.005	-0.249
lab*tce	0.875	0.25	0.746
lab*nce	0.0	0.25	0.980

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.75	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(0.75)
cmyn4*	0.25	0.25	0.0	(0.25)

standard and adapted CIELAB

LAB*LAB	63.16	0.0	-19.34
LAB*LABa	63.16	0.0	-19.34
LAB*LABb	62.5	19.35	27.00

relative CIELAB lab*

lab*lab	0.583	0.0	-0.249
lab*tch	0.625	0.25	0.75
lab*nch	0.25	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.583	0.005	-0.249
lab*tce	0.625	0.25	0.746
lab*nce	0.25	0.25	0.980

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.5	(1.0)
cmyn3*	0.75	0.75	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(0.75)
cmyn4*	0.25	0.25	0.0	(0.25)

standard and adapted CIELAB

LAB*LAB	50.26	0.0	-38.69
LAB*LABa	50.26	0.0	-38.69
LAB*LABb	50.0	38.7	27.00

relative CIELAB lab*

lab*lab	0.417	0.0	-0.499
lab*tch	0.45	0.5	0.75
lab*nch	0.25	0.5	0.75

relative Natural Colour (NC)

lab*trj	0.417	-0.011	-0.499
lab*tce	0.45	0.5	0.746
lab*nce	0.25	0.5	0.980

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.5	(1.0)
cmyn3*	1.0	1.0	0.5	(0.0)
olvi4*	0.5	0.5	1.0	(0.5)
cmyn4*	0.5	0.5	0.0	(0.5)

standard and adapted CIELAB

LAB*LAB	30.92	0.0	-38.68
LAB*LABa	30.92	0.0	-38.68
LAB*LABb	25.01	38.69	27.00

relative CIELAB lab*

lab*lab	0.167	0.0	-0.499
lab*tch	0.25	0.5	0.75
lab*nch	0.5	0.5	0.75

relative Natural Colour (NC)

lab*trj	0.167	-0.011	-0.499
lab*tce	0.25	0.5	0.746
lab*nce	0.5	0.5	0.980

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	1.0	1.0	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(0.25)
cmyn4*	0.25	0.25	0.0	(0.25)

standard and adapted CIELAB

LAB*LAB	24.47	0.0	-19.33
LAB*LABa	24.47	0.0	-19.33
LAB*LABb	12.5	19.34	27.00

relative CIELAB lab*

lab*lab	0.083	0.0	-0.249
lab*tch	0.125	0.25	0.75
lab*nch	0.75	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.083	-0.005	-0.249
lab*tce	0.125	0.25	0.746
lab*nce	0.75	0.25	0.980

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	1.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.61	0.0	-38.68
LAB*LABa	69.61	0.0	-38.68
LAB*LABb	75.0	38.69	27.00

relative CIELAB lab*

lab*lab	0.667	0.0	-0.499
lab*tch	0.75	0.5	0.75
lab*nch	0.0	0.5	0.75

relative Natural Colour (NC)

lab*trj	0.667	-0.011	-0.499
lab*tce	0.75	0.5	0.746
lab*nce	0.0	0.5	0.980

relative Inform. Technology (IT)

olvi3*	0.25	0.25	1.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	0.25	0.25	1.0	(1.0)
cmyn4*	0.75	0.75	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.0	-58.03
LAB*LABa	56.71	0.0	-58.03
LAB*LABb	62.5	58.04	27.00

relative CIELAB lab*

lab*lab	0.5	0.0	-0.749
lab*tch	0.625	0.75	0.75
lab*nch	0.0	0.75	0.75

relative Natural Colour (NC)

lab*trj	0.5	-0.018	-0.749
lab*tce	0.625	0.75	0.746
lab*nce	0.0	0.75	0.980

relative Inform. Technology (IT)

olvi3*	0.0	0.0	1.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	1.0	1.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	43.81	0.0	-77.37
LAB*LABa	43.81	0.0	-77.37
LAB*LABb	50.0	77.38	27.00

relative CIELAB lab*

lab*lab	0.333	0.0	-0.999
lab*tch	0.5	1.0	0.75
lab*nch	0.0	1.0	0.75

relative Natural Colour (NC)

lab*trj	0.333	-0.024	-0.999
lab*tce	0.5	1.0	0.746
lab*nce	0.0	1.0	0.980

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.5	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	0.75	0.75	0.5	(0.5)
cmyn4*	0.25	0.25	0.5	(0.25)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	-58.03
LAB*LABa	37.37	0.0	-58.03
LAB*LABb	37.51	58.04	27.00

relative CIELAB lab*

lab*lab	0.25	0.0	-0.749
lab*tch	0.375	0.75	0.75
lab*nch	0.25	0.75	0.75

relative Natural Colour (NC)

lab*trj	0.25	-0.018	-0.749
lab*tce	0.375	0.75	0.746
lab*nce	0.25	0.75	0.980

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.5	(1.0)
cmyn3*	1.0	1.0	0.25	(0.0)
olvi4*	0.5	0.5	1.0	(0.5)
cmyn4*	0.5	0.5	0.0	(0.25)

standard and adapted CIELAB

LAB*LAB	30.92	0.0	-38.68
LAB*LABa	30.92	0.0	-38.68
LAB*LABb	25.01	38.69	27.00

relative CIELAB lab*

lab*lab	0.167	0.0	-0.499
lab*tch	0.25	0.5	0.75
lab*nch	0.5	0.5	0.75

relative Natural Colour (NC)

lab*trj	0.167	-0.011	-0.499
lab*tce	0.25	0.5	0.746
lab*nce	0.5	0.5	0.980

$n^* = 0,25$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.5	(1.0)
cmyn3*	1.0	1.0	0.5	(0.0)
olvi4*	0.5	0.5	1.0	(0.5)
cmyn4*	0.5	0.5	0.0	(0.25)

standard and adapted CIELAB

LAB*LAB	24.47	0.0	-19.33
LAB*LABa	24.47	0.0	-19.33
LAB*LABb	12.5	19.34	27.00

relative CIELAB lab*

lab*lab	0.083	0.0	-0.249
lab*tch	0.125	0.25	0.75
lab*nch	0.75	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.083	-0.005	-0.249
lab*tce	0.125	0.25	0.746
lab*nce	0.75	0.25	0.980

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	1.0	1.0	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(0.25)
cmyn4*	0.25	0.25	0.0	(0.25)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	-19.33
LAB*LABa	18.03	0.0	-19.33
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	1.0	1.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative CIELAB lab*			
ab*lab	0.25	0.0	-0.749
ab*tch	0.375	0.75	0.75
ab*ncb	0.25	0.75	0.75
relative Natural Colour (NC)			
ab*lrj	0.25	-0.018	-0.749
ab*tce	0.375	0.75	0.746
ab*nce	0.25	0.75	g98b

$n^* = 0,25$

bl

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

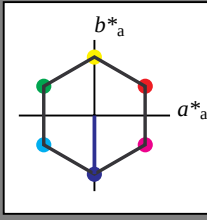
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.00	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.25

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.00	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.5

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.00	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.75

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	1.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	1.0
cmyn3*	0.25	0.25	0.0
olvi4*	0.75	0.75	1.0
cmyn4*	0.25	0.25	0.0

standard and adapted CIELAB

LAB*LAB	82.51	0.0	-19.33
LAB*LABa	82.51	0.0	-19.33
LAB*LABb	87.5	19.34	27.00

relative CIELAB lab*

lab*lab	0.833	0.0	-0.249
lab*tch	0.875	0.25	0.75
lab*nch	0.0	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.833	0.005	-0.249
lab*tce	0.875	0.25	0.746
lab*nce	0.0	0.25	0.980

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.75
cmyn3*	0.5	0.5	0.25
olvi4*	0.75	0.75	1.0
cmyn4*	0.25	0.25	0.0

standard and adapted CIELAB

LAB*LAB	63.16	0.0	-19.34
LAB*LABa	63.16	0.0	-19.34
LAB*LABb	62.5	19.35	27.00

relative CIELAB lab*

lab*lab	0.583	0.0	-0.249
lab*tch	0.625	0.25	0.75
lab*nch	0.25	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.583	0.005	-0.249
lab*tce	0.625	0.25	0.746
lab*nce	0.25	0.25	0.980

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.5
cmyn3*	0.75	0.75	0.25
olvi4*	0.5	0.5	1.0
cmyn4*	0.5	0.5	0.0

standard and adapted CIELAB

LAB*LAB	50.26	0.0	-38.69
LAB*LABa	50.26	0.0	-38.69
LAB*LABb	50.0	38.7	27.00

relative CIELAB lab*

lab*lab	0.417	0.0	-0.499
lab*tch	0.459	0.25	0.75
lab*nch	0.25	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.417	-0.011	-0.499
lab*tce	0.459	0.25	0.746
lab*nce	0.25	0.25	0.980

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.5
cmyn3*	1.0	1.0	0.5
olvi4*	0.5	0.5	1.0
cmyn4*	0.5	0.5	0.0

standard and adapted CIELAB

LAB*LAB	30.92	0.0	-38.68
LAB*LABa	30.92	0.0	-38.68
LAB*LABb	25.01	38.69	27.00

relative CIELAB lab*

lab*lab	0.167	0.0	-0.499
lab*tch	0.25	0.5	0.75
lab*nch	0.5	0.5	0.75

relative Natural Colour (NC)

lab*trj	0.167	-0.011	-0.499
lab*tce	0.25	0.5	0.746
lab*nce	0.5	0.5	0.980

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.25
cmyn3*	1.0	1.0	0.25
olvi4*	0.0	0.0	0.75
cmyn4*	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	24.47	0.0	-19.33
LAB*LABa	24.47	0.0	-19.33
LAB*LABb	12.5	19.34	27.00

relative CIELAB lab*

lab*lab	0.083	0.0	-0.249
lab*tch	0.125	0.25	0.75
lab*nch	0.75	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.083	0.005	-0.249
lab*tce	0.125	0.25	0.746
lab*nce	0.75	0.25	0.980

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

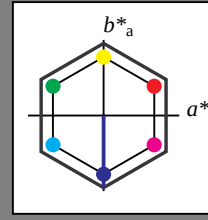
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.00	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.25

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.00	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.5

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.00	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.75

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	1.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	-

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

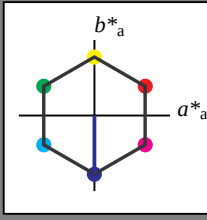
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	1.0	(0.0)
cmyn3*	0.0	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-	-
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	1.0	(1.0)
cmyn3*	0.25	0.25	0.25	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.25	(0.25)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-	-
lab*nch	0.25	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	1.0	(1.0)
cmyn3*	0.5	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.5	(0.5)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-	-
lab*nch	0.5	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	1.0	(1.0)
cmyn3*	0.75	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.75	(0.75)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-	-
lab*nch	0.75	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	1.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	1.0	(1.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0	0.0
LAB*LABb	0.01	0.01	-	-	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-	-
lab*nch	1.0	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	1.0	(1.0)
cmyn3*	0.25	0.25	0.25	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.25	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.51	0.0	-19.33	0.0	0.0
LAB*LABa	82.51	0.0	-19.33	0.0	0.0
LAB*LABb	87.5	19.34	27.00	0.0	0.0

relative CIELAB lab*

lab*lab	0.833	0.0	-0.249	0.0	0.0
lab*tch	0.875	0.25	0.75	0.0	0.0
lab*nch	0.0	0.25	0.75	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.833	0.005	-0.249	0.0	0.0
lab*tce	0.875	0.25	0.746	0.0	0.0
lab*nce	0.0	0.25	0.980	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	1.0	(1.0)
cmyn3*	0.5	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.25	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	63.16	0.0	-19.34	0.0	0.0
LAB*LABa	63.16	0.0	-19.34	0.0	0.0
LAB*LABb	62.5	19.35	27.00	0.0	0.0

relative CIELAB lab*

lab*lab	0.583	0.0	-0.249	0.0	0.0
lab*tch	0.625	0.25	0.75	0.0	0.0
lab*nch	0.25	0.25	0.75	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.583	0.005	-0.249	0.0	0.0
lab*tce	0.625	0.25	0.746	0.0	0.0
lab*nce	0.25	0.25	0.980	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	1.0	(1.0)
cmyn3*	0.75	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.5	(0.5)

standard and adapted CIELAB

LAB*LAB	50.26	0.0	-38.69	0.0	0.0
LAB*LABa	50.26	0.0	-38.69	0.0	0.0
LAB*LABb	50.0	38.7	27.00	0.0	0.0

relative CIELAB lab*

lab*lab	0.417	0.0	-0.499	0.0	0.0
lab*tch	0.459	0.25	0.75	0.0	0.0
lab*nch	0.25	0.25	0.75	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.417	-0.011	-0.499	0.0	0.0
lab*tce	0.459	0.25	0.746	0.0	0.0
lab*nce	0.25	0.25	0.980	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.5	1.0	(1.0)
cmyn3*	1.0	1.0	0.5	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.5	0.5	0.0	0.5	(0.5)

standard and adapted CIELAB

LAB*LAB	30.92	0.0	-38.68	0.0	0.0
LAB*LABa	30.92	0.0	-38.68	0.0	0.0
LAB*LABb	25.01	38.69	27.00	0.0	0.0

relative CIELAB lab*

lab*lab	0.167	0.0	-0.499	0.0	0.0
lab*tch	0.25	0.5	0.75	0.0	0.0
lab*nch	0.5	0.5	0.75	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.167	-0.011	-0.499	0.0	0.0
lab*tce	0.25	0.5	0.746	0.0	0.0
lab*nce	0.5	0.5	0.980	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	1.0	(1.0)
cmyn3*	1.0	1.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	1.0	(1.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0	0.0
LAB*LABb	0.01	0.01	-	-	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-	-
lab*nch	1.0	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

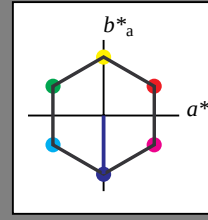
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-	-
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	1.0	(1.0)
cmyn3*	0.25	0.25	0.25	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.25	(0.25)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-	-
lab*nch	0.25	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

	relative Inform. Technology (IT)	
	olvi3*	0.5 0.5 0.5 (1.0)
	cmyn3*	0.5 0.5 0.5 (0.0)
	olvi4*	1.0 1.0 1.0 (0.5)
	cmyn4*	0.0 0.0 0.0 (0.5)
	standard and adapted CIELAB	
	LAB*LAB	56.72 0.0 0.0
	LAB*LABa	56.72 0.0 0.0
	LAB*TCHa	50.0 0.01 -
	relative CIELAB lab*	
	lab*lab	0.5 0.0 0.0
	lab*tcn	0.5 0.0 -
	lab*tnch	0.5 0.0 -
	relative Natural Colour (NC)	
	lab*lrj	0.5 0.0 0.0
	lab*tcn	0.5 0.0 -
	lab*ncE	0.5 0.0 -

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

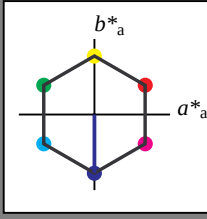
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.61 0.0 -38.68
LAB*LABa 69.61 0.0 -38.68
LAB*TCHa 75.0 38.69 270.0

relative CIELAB lab*
lab*lab 0.667 0.0 -0.499
lab*tch 0.75 0.0 -0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.667 -0.011 -0.499
lab*tce 0.5 0.5 0.746
lab*nce 0.0 0.5 0.980

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.26 0.0 -38.69
LAB*LABa 50.26 0.0 -38.69
LAB*TCHa 50.0 38.7 270.0

relative CIELAB lab*
lab*lab 0.417 0.0 -0.499
lab*tch 0.625 0.25 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.417 -0.011 -0.499
lab*tce 0.5 0.5 0.746
lab*nce 0.25 0.5 0.980

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 0.5 0.5 1.0 (0.0)
cmyn4* 0.5 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.92 0.0 -38.68
LAB*LABa 30.92 0.0 -38.68
LAB*TCHa 25.01 38.69 270.0

relative CIELAB lab*
lab*lab 0.167 0.0 -0.499
lab*tch 0.25 0.5 0.75
lab*nch 0.5 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.167 -0.011 -0.499
lab*tce 0.25 0.5 0.746
lab*nce 0.5 0.5 0.980

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (1.0)
cmyn3* 1.0 1.0 0.25 (0.0)
olvi4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 24.47 0.0 -19.33
LAB*LABa 24.47 0.0 -19.33
LAB*TCHa 12.5 19.34 270.0

$n^* = 0,50$

relative CIELAB lab*
lab*lab 0.083 0.0 -0.249
lab*tch 0.125 0.25 0.75
lab*nch 0.75 0.25 0.75
relative Natural Colour (NC)
lab*trj 0.083 -0.005 -0.249
lab*tce 0.125 0.25 0.746
lab*nce 0.75 0.25 0.980

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

blackness n^*

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

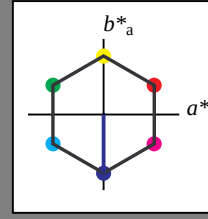
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

blackness n^*

chromaticness c^*

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.61 0.0 -38.68
LAB*LABa 69.61 0.0 -38.68
LAB*TCHa 75.0 38.69 270.0

relative CIELAB lab*
lab*lab 0.625 0.0 -0.749
lab*tch 0.625 0.25 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.625 -0.010 -0.749
lab*tce 0.5 0.5 0.746
lab*nce 0.0 0.5 0.980

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.26 0.0 -38.69
LAB*LABa 50.26 0.0 -38.69
LAB*TCHa 50.0 38.7 270.0

relative CIELAB lab*
lab*lab 0.417 0.0 -0.749
lab*tch 0.625 0.25 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.417 -0.010 -0.749
lab*tce 0.5 0.5 0.746
lab*nce 0.25 0.5 0.980

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 0.5 0.5 1.0 (0.0)
cmyn4* 0.5 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.92 0.0 -38.68
LAB*LABa 30.92 0.0 -38.68
LAB*TCHa 25.01 38.69 270.0

relative CIELAB lab*
lab*lab 0.167 0.0 -0.749
lab*tch 0.25 0.5 0.75
lab*nch 0.5 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.167 -0.010 -0.749
lab*tce 0.25 0.5 0.746
lab*nce 0.5 0.5 0.980

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (1.0)
cmyn3* 1.0 1.0 0.25 (0.0)
olvi4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 24.47 0.0 -19.33
LAB*LABa 24.47 0.0 -19.33
LAB*TCHa 12.5 19.34 270.0

$n^* = 0,50$

blackness n^*

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

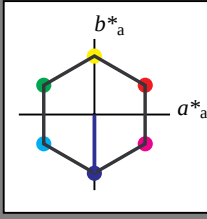
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	-

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

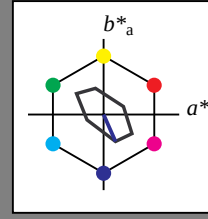
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.56	0.0	0.0
LAB*LABa	62.56	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	89.58	3.94	-8.9
LAB*LABa	89.58	3.94	-8.9
LAB*TCHa	87.5	9.74	293.86

relative CIELAB lab*

lab*lab	0.773	0.101	-0.228
lab*tch	0.875	0.25	0.816
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.773	0.101	-0.228
lab*tce	0.25	0.25	0.799
lab*nce	0.0	0.25	0.199

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	77.33	7.88	-17.81
LAB*LABa	77.33	7.88	-17.81
LAB*TCHa	50.0	19.48	293.86

relative CIELAB lab*

lab*lab	0.547	0.202	-0.456
lab*tch	0.75	0.25	0.816
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.547	0.202	-0.456
lab*tce	0.25	0.25	0.799
lab*nce	0.0	0.25	0.199

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.33	7.88	-17.81
LAB*LABa	37.33	7.88	-17.81
LAB*TCHa	25.0	19.48	293.86

relative CIELAB lab*

lab*lab	0.297	0.202	-0.456
lab*tch	0.25	0.25	0.816
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.297	0.202	-0.456
lab*tce	0.25	0.25	0.799
lab*nce	0.0	0.25	0.199

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	7.88	-17.81
LAB*LABa	18.03	7.88	-17.81
LAB*TCHa	0.01	19.48	293.86

relative CIELAB lab*

lab*lab	0.047	0.202	-0.456
lab*tch	0.0	0.25	0.816
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.047	0.202	-0.456
lab*tce	0.0	0.25	0.799
lab*nce	0.0	0.25	0.199

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

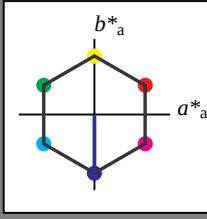
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0.75

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

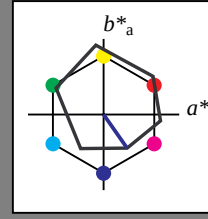
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCBa 75.01 -0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCBa 50.01 -0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCBa 25.01 -0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCBa 0.01 -0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*TCBa 50.01 -38.7 270.0

relative CIELAB lab*
lab*lab 0.5 0.0 -0.499
lab*tch 0.75 0.0 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.52 -0.011 -0.499
lab*tce 0.52 0.5 0.746
lab*nce 0.0 0.5 0.980

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 0.5 0.5 1.0 (0.75)
cmyn4* 0.5 0.5 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*TCBa 50.01 -38.7 270.0

relative CIELAB lab*
lab*lab 0.5 0.0 -0.499
lab*tch 0.5 0.0 0.75
lab*nch 0.25 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.011 -0.499
lab*tce 0.5 0.5 0.746
lab*nce 0.25 0.5 0.980

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 0.5 0.5 1.0 (0.75)
cmyn4* 0.5 0.5 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 -38.68
LAB*LABa 37.36 0.0 -38.68
LAB*TCBa 25.01 -38.69 270.0

relative CIELAB lab*
lab*lab 0.5 0.0 -0.499
lab*tch 0.5 0.0 0.75
lab*nch 0.25 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.011 -0.499
lab*tce 0.5 0.5 0.746
lab*nce 0.25 0.5 0.980

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (1.0)
cmyn3* 1.0 1.0 0.25 (0.0)
olvi4* 0.75 0.75 1.0 (0.25)
cmyn4* 0.25 0.25 0.0 (0.75)
standard and adapted CIELAB
LAB*LAB 27.69 0.0 -19.33
LAB*LABa 27.69 0.0 -19.33
LAB*TCBa 12.5 19.34 270.0

relative CIELAB lab*
lab*lab 0.125 0.0 -0.249
lab*tch 0.125 0.0 0.75
lab*nch 0.75 0.25 0.75
relative Natural Colour (NC)
lab*trj 0.125 -0.005 -0.249
lab*tce 0.125 0.25 0.746
lab*nce 0.75 0.25 0.980

$n^* = 0,50$

chromaticness c^*

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.88 4.75
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCBa 75.01 -0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 -77.37
LAB*LABa 56.71 0.0 -77.37
LAB*TCBa 50.01 -77.38 270.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCBa 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCBa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

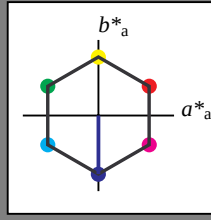
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.06	0.0	-38.68
LAB*TCHa	75.0	38.69	270.0

relative CIELAB lab*

lab*lab	0.75	0.0	-0.499
lab*tch	0.75	0.0	0.75
lab*nch	0.0	0.5	0.75

relative Natural Colour (NC)

lab*trj	0.75	0.0	-0.499
lab*tce	0.75	0.5	0.746
lab*nce	0.0	0.5	0.980

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.0	-38.69
LAB*LABa	56.71	0.0	-38.69
LAB*TCHa	50.0	38.7	270.0

relative CIELAB lab*

lab*lab	0.5	0.0	-0.499
lab*tch	0.5	0.0	0.75
lab*nch	0.25	0.5	0.75

relative Natural Colour (NC)

lab*trj	0.5	0.0	-0.499
lab*tce	0.5	0.5	0.746
lab*nce	0.25	0.5	0.980

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.5	(1.0)
cmyn3*	1.0	1.0	0.5	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.0	-38.68
LAB*LABa	37.36	0.0	-38.68
LAB*TCHa	25.01	38.69	270.0

relative CIELAB lab*

lab*lab	0.25	0.0	-0.499
lab*tch	0.25	0.0	0.75
lab*nch	0.5	0.5	0.75

relative Natural Colour (NC)

lab*trj	0.25	0.0	-0.499
lab*tce	0.25	0.5	0.746
lab*nce	0.5	0.5	0.980

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	1.0	1.0	0.25	(0.0)
olvi4*	0.25	0.25	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	27.69	0.0	-19.33
LAB*LABa	27.69	0.0	-19.33
LAB*TCHa	12.5	19.34	270.0

relative CIELAB lab*

lab*lab	0.125	0.0	-0.249
lab*tch	0.125	0.0	0.75
lab*nch	0.25	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.125	0.0	-0.249
lab*tce	0.125	0.25	0.746
lab*nce	0.25	0.25	0.980

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

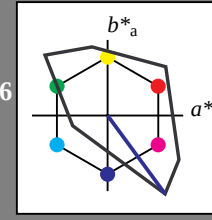
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCHa	50.0	77.38	270.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

chromaticness c^*

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

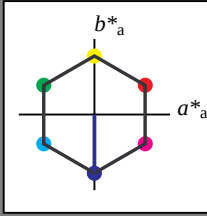
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRXXX

for hue $h^* = lab^*h = 269/360 = 0.747$

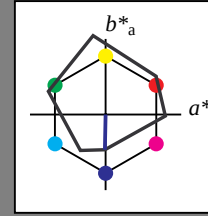
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.11 2.58
LAB*LABa 96.31 0.11 2.58
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 0.44 2.45
LAB*LABa 76.38 0.44 2.45
LAB*TCRa 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 0.78 2.32
LAB*LABa 56.44 0.78 2.32
LAB*TCRa 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 1.09 2.19
LAB*LABa 36.5 1.09 2.19
LAB*TCRa 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 1.41 2.06
LAB*LABa 16.57 1.41 2.06
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

DRXXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 65.23 1.08 20.89
LAB*LABa 65.23 1.08 20.89
LAB*TCRa 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 45.3 1.41 21.02
LAB*LABa 45.3 1.41 21.02
LAB*TCRa 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.37 1.73 21.15
LAB*LABa 25.37 1.73 21.15
LAB*TCRa 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 1.41 2.06
LAB*LABa 16.57 1.41 2.06
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 0,50$

$n^* = 0,25$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

5 step scales for constant CIELAB hue 269/360 = 0.747 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

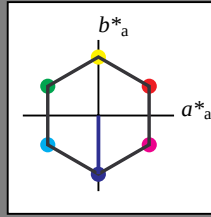
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	1.0	(1.0)
cmyn3*	0.25	0.25	0.0	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	85.73	0.0	-19.33
LAB*LABa	85.73	0.0	-19.33
LAB*TCHa	87.5	19.34	27.00

relative CIELAB lab*

lab*lab	0.875	0.0	-0.249
lab*tch	0.875	0.25	0.75
lab*nch	0.0	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.875	0.005	-0.249
lab*tce	0.875	0.25	0.746
lab*nce	0.0	0.25	0.980

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.75	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	66.38	0.0	-19.34
LAB*LABa	66.38	0.0	-19.34
LAB*TCHa	62.5	19.35	27.00

relative CIELAB lab*

lab*lab	0.625	0.0	-0.249
lab*tch	0.625	0.25	0.75
lab*nch	0.25	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.625	0.005	-0.249
lab*tce	0.625	0.25	0.746
lab*nce	0.25	0.25	0.980

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.5	(1.0)
cmyn3*	0.75	0.75	0.25	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.04	0.0	-19.34
LAB*LABa	47.04	0.0	-19.34
LAB*TCHa	37.5	19.35	27.00

relative CIELAB lab*

lab*lab	0.375	0.0	-0.249
lab*tch	0.375	0.25	0.75
lab*nch	0.25	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.375	-0.005	-0.249
lab*tce	0.375	0.25	0.746
lab*nce	0.25	0.25	0.980

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	1.0	1.0	0.75	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.0	-38.68
LAB*LABa	37.36	0.0	-38.68
LAB*TCHa	25.01	38.69	27.00

relative CIELAB lab*

lab*lab	0.25	0.0	-0.499
lab*tch	0.25	0.5	0.75
lab*nch	0.5	0.5	0.75

relative Natural Colour (NC)

lab*trj	0.25	-0.011	-0.499
lab*tce	0.25	0.5	0.746
lab*nce	0.5	0.5	0.980

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	27.69	0.0	-19.33
LAB*LABa	27.69	0.0	-19.33
LAB*TCHa	12.5	19.34	27.00

relative CIELAB lab*

lab*lab	0.125	0.0	-0.249
lab*tch	0.125	0.25	0.75
lab*nch	0.75	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.125	-0.005	-0.249
lab*tce	0.125	0.25	0.746
lab*nce	0.75	0.25	0.980

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

relative Inform. Technology (IT)

olvi3*	0.25	0.25	1.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	0.25	0.25	1.0	(1.0)
cmyn4*	0.75	0.75	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	66.38	0.0	-38.68
LAB*LABa	66.38	0.0	-38.68
LAB*TCHa	75.0	38.69	27.00

relative CIELAB lab*

lab*lab	0.75	0.0	-0.499
lab*tch	0.75	0.5	0.75
lab*nch	0.0	0.5	0.75

relative Natural Colour (NC)

lab*trj	0.75	-0.011	-0.499
lab*tce	0.75	0.5	0.746
lab*nce	0.0	0.5	0.980

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.75	(1.0)
cmyn3*	0.75	0.75	0.25	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.0	-38.69
LAB*LABa	56.71	0.0	-38.69
LAB*TCHa	50.0	38.7	27.00

relative CIELAB lab*

lab*lab	0.5	0.0	-0.499
lab*tch	0.5	0.5	0.75
lab*nch	0.25	0.5	0.75

relative Natural Colour (NC)

lab*trj	0.5	-0.011	-0.499
lab*tce	0.5	0.5	0.746
lab*nce	0.25	0.5	0.980

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.5	(1.0)
cmyn3*	1.0	1.0	0.5	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.0	-38.68
LAB*LABa	37.36	0.0	-38.68
LAB*TCHa	25.01	38.69	27.00

relative CIELAB lab*

lab*lab	0.375	0.0	-0.499
lab*tch	0.375	0.5	0.75
lab*nch	0.5	0.5	0.75

relative Natural Colour (NC)

lab*trj	0.375	-0.011	-0.499
lab*tce	0.375	0.5	0.746
lab*nce	0.25	0.5	0.980

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	27.69	0.0	-19.33
LAB*LABa	27.69	0.0	-19.33
LAB*TCHa	12.5	19.34	27.00

relative CIELAB lab*

lab*lab	0.125	0.0	-0.249
lab*tch	0.125	0.25	0.75
lab*nch	0.75	0.25	0.75

relative Natural Colour (NC)

lab*trj	0.125	-0.005	-0.249
lab*tce	0.125	0.25	0.746
lab*nce	0.75	0.25	0.980

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,25

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75
standard and adopted CIE LAB				
LAB* <i>L</i> a ab	37.37	0.0	0.0	
LAB* <i>L</i> b ab	25.0	0.01	-	
relative CIE LAB lab*				
lab* <i>L</i> a ab	0.25	0.0	0.0	
lab* <i>L</i> b ab	0.25	0.0	-	
lab* <i>a</i> ab	0.75	0.0	-	
relative Natural Color (NC)				
lab* <i>L</i> nc	0.25	0.0	0.0	
lab* <i>a</i> nc	0.25	0.0	-	
lab* <i>b</i> nc	0.75	0.0	-	

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

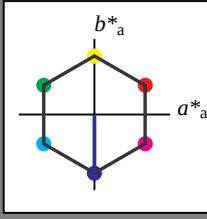
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

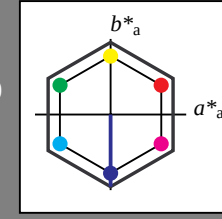
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

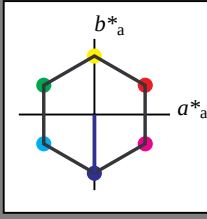
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	-38.69	270.0
LAB*LABa	56.71	0.0	-38.69	270.0
LAB*LABb	56.71	0.0	-38.69	270.0
LAB*LABc	56.71	0.0	-38.69	270.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	-38.69	270.0
LAB*LABa	56.71	0.0	-38.69	270.0
LAB*LABb	56.71	0.0	-38.69	270.0
LAB*LABc	56.71	0.0	-38.69	270.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	-38.69	270.0
LAB*LABa	56.71	0.0	-38.69	270.0
LAB*LABb	56.71	0.0	-38.69	270.0
LAB*LABc	56.71	0.0	-38.69	270.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	-38.69	270.0
LAB*LABa	56.71	0.0	-38.69	270.0
LAB*LABb	56.71	0.0	-38.69	270.0
LAB*LABc	56.71	0.0	-38.69	270.0

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

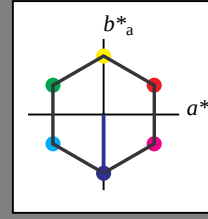
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 44 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	43.81	0.0	-38.69	270.0
LAB*LABa	43.81	0.0	-38.69	270.0
LAB*LABb	43.81	0.0	-38.69	270.0
LAB*LABc	43.81	0.0	-38.69	270.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	43.81	0.0	-38.69	270.0
LAB*LABa	43.81	0.0	-38.69	270.0
LAB*LABb	43.81	0.0	-38.69	270.0
LAB*LABc	43.81	0.0	-38.69	270.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	43.81	0.0	-38.69	270.0
LAB*LABa	43.81	0.0	-38.69	270.0
LAB*LABb	43.81	0.0	-38.69	270.0
LAB*LABc	43.81	0.0	-38.69	270.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	43.81	0.0	-38.69	270.0
LAB*LABa	43.81	0.0	-38.69	270.0
LAB*LABb	43.81	0.0	-38.69	270.0
LAB*LABc	43.81	0.0	-38.69	270.0

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

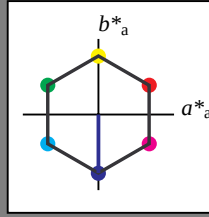
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.01 -0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.01 -0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.01 -0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 -0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 0.0 -38.68
LAB*LABa 76.06 0.0 -38.68
LAB*TCHa 75.01 -0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 -0.499
lab*tch 0.75 0.0 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.52 -0.011 -0.499
lab*tce 0.52 0.746
lab*nce 0.0 0.5 0.908

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*TCHa 50.01 -0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 -0.499
lab*tch 0.5 0.0 0.75
lab*nch 0.25 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.011 -0.499
lab*tce 0.5 0.746
lab*nce 0.25 0.5 0.908

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 0.5 0.5 1.0 (0.0)
cmyn4* 0.5 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 -38.68
LAB*LABa 37.36 0.0 -38.68
LAB*TCHa 25.01 -0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 -0.499
lab*tch 0.25 0.0 0.75
lab*nch 0.5 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.25 -0.011 -0.499
lab*tce 0.25 0.746
lab*nce 0.5 0.5 0.908

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (1.0)
cmyn3* 1.0 1.0 0.25 (0.0)
olvi4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.69 0.0 -19.33
LAB*LABa 27.69 0.0 -19.33
LAB*TCHa 12.5 -19.34 27.00

relative CIELAB lab*
lab*lab 0.125 0.0 -0.249
lab*tch 0.125 0.0 0.75
lab*nch 0.75 0.25 0.75
relative Natural Colour (NC)
lab*trj 0.125 -0.005 -0.249
lab*tce 0.125 0.746
lab*nce 0.75 0.25 0.908

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

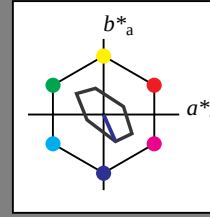
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*TCHa 75.01 -0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 0.0 -38.68
LAB*LABa 76.06 0.0 -38.68
LAB*TCHa 75.01 -0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*TCHa 50.01 -0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 0.5 0.5 1.0 (0.0)
cmyn4* 0.5 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 -38.68
LAB*LABa 37.36 0.0 -38.68
LAB*TCHa 25.01 -0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.75
lab*nch 0.5 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.25 -0.011 -0.499
lab*tce 0.25 0.746
lab*nce 0.5 0.5 0.908

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 77.33 7.88 -17.81
LAB*LABa 83.75 7.88 -17.81
LAB*TCHa 75.01 -19.48 293.86

relative CIELAB lab*
lab*lab 0.547 0.202 -0.456
lab*tch 0.75 0.5 0.816
lab*nch 0.0 0.5 0.816
relative Natural Colour (NC)
lab*trj 0.547 0.15 -0.476
lab*tce 0.5 0.5 0.799
lab*nce 0.0 0.5 0.919

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.01 -0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 0.5 0.5 1.0 (0.0)
cmyn4* 0.5 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.33 7.88 -17.81
LAB*LABa 47.04 7.88 -17.81
LAB*TCHa 37.5 19.35 270.0

relative CIELAB lab*
lab*lab 0.297 0.202 -0.456
lab*tch 0.5 0.5 0.816
lab*nch 0.25 0.5 0.816
relative Natural Colour (NC)
lab*trj 0.297 0.15 -0.476
lab*tce 0.5 0.5 0.799
lab*nce 0.25 0.5 0.919

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.01 -0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (1.0)
cmyn3* 1.0 1.0 0.25 (0.0)
olvi4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.69 0.0 -19.33
LAB*LABa 27.69 0.0 -19.33
LAB*TCHa 12.5 -19.34 27.00

relative CIELAB lab*
lab*lab 0.047 0.202 -0.456
lab*tch 0.047 0.15 -0.476
lab*nch 0.5 0.5 0.816
relative Natural Colour (NC)
lab*trj 0.047 0.15 -0.476
lab*tce 0.25 0.5 0.799
lab*nce 0.5 0.5 0.919

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 -0.01 -

relative CIELAB lab*
lab*lab 0.023 0.101 -0.228
lab*tch 0.023 0.025 0.816
lab*nch 0.75 0.25 0.816
relative Natural Colour (NC)
lab*trj 0.023 0.025 0.816
lab*tce 0.125 0.25 0.799
lab*nce 0.75 0.25 0.919

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

5 step scales for constant CIELAB hue 294/360 = 0.816 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

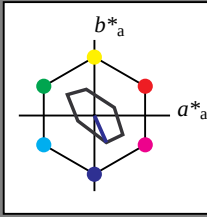
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.75	0.75	1.0	1.0
cmyn4*	0.25	0.25	0.0	0.0

standard and adapted CIELAB

LAB*LAB	89.58	3.94	-8.9
LAB*LABa	89.58	3.94	-8.9
LAB*LABb	87.5	9.74	293.86

relative CIELAB lab*

lab*lab	0.773	0.101	-0.228
lab*tch	0.875	0.25	0.816
lab*nch	0.0	0.25	0.816

relative Natural Colour (NC)

lab*trj	0.773	0.075	-0.237
lab*tce	0.875	0.25	0.799
lab*nce	0.0	0.25	0.799

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.75	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	0.75	0.75	1.0	1.0
cmyn4*	0.25	0.25	0.0	0.25

standard and adapted CIELAB

LAB*LAB	83.16	3.94	-8.9
LAB*LABa	83.16	3.94	-8.9
LAB*LABb	82.5	9.74	293.86

relative CIELAB lab*

lab*lab	0.523	0.101	-0.228
lab*tch	0.625	0.25	0.816
lab*nch	0.25	0.25	0.816

relative Natural Colour (NC)

lab*trj	0.523	0.075	-0.237
lab*tce	0.625	0.25	0.799
lab*nce	0.25	0.25	0.799

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.5	(1.0)
cmyn3*	0.75	0.75	0.25	(0.0)
olvi4*	0.75	0.75	1.0	1.0
cmyn4*	0.25	0.25	0.0	0.5

standard and adapted CIELAB

LAB*LAB	76.74	3.94	-8.9
LAB*LABa	76.74	3.94	-8.9
LAB*LABb	75.0	9.74	293.86

relative CIELAB lab*

lab*lab	0.273	0.101	-0.228
lab*tch	0.375	0.25	0.816
lab*nch	0.25	0.25	0.816

relative Natural Colour (NC)

lab*trj	0.273	0.075	-0.237
lab*tce	0.375	0.25	0.799
lab*nce	0.25	0.25	0.799

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	1.0	1.0	0.75	(0.0)
olvi4*	0.75	0.75	1.0	1.0
cmyn4*	0.25	0.25	0.0	0.75

standard and adapted CIELAB

LAB*LAB	70.3	3.94	-8.9
LAB*LABa	70.3	3.94	-8.9
LAB*LABb	12.5	9.74	293.86

relative CIELAB lab*

lab*lab	0.023	0.101	-0.228
lab*tch	0.125	0.25	0.816
lab*nch	0.75	0.25	0.816

relative Natural Colour (NC)

lab*trj	0.023	0.075	-0.237
lab*tce	0.125	0.25	0.799
lab*nce	0.75	0.25	0.799

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	1.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	0.5	0.5	1.0	1.0
cmyn4*	0.5	0.5	0.0	0.0

standard and adapted CIELAB

LAB*LAB	83.16	3.94	-8.9
LAB*LABa	83.16	3.94	-8.9
LAB*LABb	82.5	9.74	293.86

relative CIELAB lab*

lab*lab	0.523	0.101	-0.228
lab*tch	0.523	0.25	0.816
lab*nch	0.0	0.25	0.816

relative Natural Colour (NC)

lab*trj	0.523	0.15	-0.276
lab*tce	0.523	0.25	0.799
lab*nce	0.0	0.25	0.799

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.75	(1.0)
cmyn3*	0.75	0.75	0.25	(0.0)
olvi4*	0.5	0.5	1.0	1.0
cmyn4*	0.5	0.5	0.0	0.25

standard and adapted CIELAB

LAB*LAB	77.33	7.88	-17.81
LAB*LABa	77.33	7.88	-17.81
LAB*LABb	50.0	19.48	293.86

relative CIELAB lab*

lab*lab	0.297	0.202	-0.456
lab*tch	0.397	0.25	0.816
lab*nch	0.25	0.25	0.816

relative Natural Colour (NC)

lab*trj	0.297	0.15	-0.476
lab*tce	0.397	0.25	0.799
lab*nce	0.25	0.25	0.799

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.5	(1.0)
cmyn3*	1.0	1.0	0.5	(0.0)
olvi4*	0.5	0.5	1.0	1.0
cmyn4*	0.5	0.5	0.0	0.5

standard and adapted CIELAB

LAB*LAB	70.9	7.88	-17.81
LAB*LABa	70.9	7.88	-17.81
LAB*LABb	25.0	19.48	293.86

relative CIELAB lab*

lab*lab	0.047	0.202	-0.456
lab*tch	0.25	0.25	0.816
lab*nch	0.5	0.25	0.816

relative Natural Colour (NC)

lab*trj	0.047	0.15	-0.476
lab*tce	0.25	0.25	0.799
lab*nce	0.5	0.25	0.799

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	0.0
olvi4*	0.5	0.5	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

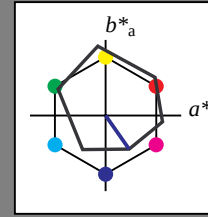
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*Lab	56.71	0.24	2.14	
LAB*TCh	50.0	0.01	-	
relative CIELAB lab				
lab*lab	0.5	0.0	0.0	
lab*ch	0.5	0.0	-	
lab*nc	0.5	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.5	0.0	0.0	
lab*tc	0.5	0.0	-	
lab*nc	0.5	0.0	-	

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

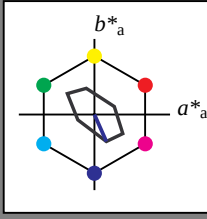
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.25	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.59	0.0	0.0
LAB*LABa	82.59	0.0	0.0
LAB*LABb	50.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.5	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	25.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.75	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	83.16	3.94	-8.9
LAB*LABa	83.16	3.94	-8.9
LAB*LABb	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.773	0.101	-0.228
lab*tch	0.875	0.25	0.816
lab*nch	0.0	0.5	0.816

relative Natural Colour (NC)

lab*trj	0.773	0.101	-0.228
lab*tce	0.875	0.25	0.816
lab*nce	0.0	0.5	0.816

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	77.33	7.88	-17.81
LAB*LABa	77.33	7.88	-17.81
LAB*LABb	50.0	19.48	293.86

relative CIELAB lab*

lab*lab	0.523	0.101	-0.228
lab*tch	0.625	0.25	0.816
lab*nch	0.25	0.25	0.816

relative Natural Colour (NC)

lab*trj	0.523	0.101	-0.228
lab*tce	0.625	0.25	0.816
lab*nce	0.25	0.25	0.816

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	77.33	7.88	-17.81
LAB*LABa	77.33	7.88	-17.81
LAB*LABb	50.0	19.48	293.86

relative CIELAB lab*

lab*lab	0.297	0.202	-0.456
lab*tch	0.375	0.75	0.816
lab*nch	0.25	0.75	0.816

relative Natural Colour (NC)

lab*trj	0.297	0.202	-0.456
lab*tce	0.375	0.75	0.816
lab*nce	0.25	0.75	0.816

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	70.9	7.88	-17.81
LAB*LABa	70.9	7.88	-17.81
LAB*LABb	25.0	19.48	293.86

relative CIELAB lab*

lab*lab	0.047	0.202	-0.456
lab*tch	0.25	0.5	0.816
lab*nch	0.25	0.5	0.816

relative Natural Colour (NC)

lab*trj	0.047	0.202	-0.456
lab*tce	0.25	0.5	0.816
lab*nce	0.25	0.5	0.816

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

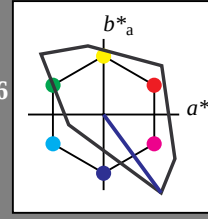
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.25	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	36.96	293.86

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.5	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.75	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.25	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	62.9	38.02	-51.78
LAB*LABa	62.9	38.02	-51.78
LAB*LABb	75.0	64.25	306.29

relative CIELAB lab*

lab*lab	0.659	0.296	-0.402
lab*tch	0.75	0.5	0.851
lab*nch	0.0	0.5	0.851

relative Natural Colour (NC)

lab*trj	0.659	0.296	-0.402
lab*tce	0.75	0.5	0.851
lab*nce	0.0	0.5	0.851

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	39.05	38.03	-51.79
LAB*LABa	39.05	38.03	-

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

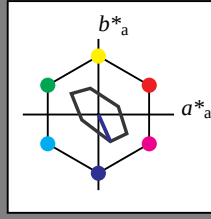
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*LABb	50.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	25.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	83.16	3.94	-8.9
LAB*LABa	83.16	3.94	-8.9
LAB*LABb	77.33	7.88	-17.81
LAB*LABb	77.33	7.88	-17.81
LAB*LABb	77.33	7.88	-17.81

relative CIELAB lab*

lab*lab	0.5	0.5	0.5	(1.0)
lab*tch	0.5	0.5	0.5	(0.0)
lab*nch	0.0	0.5	0.816	

relative Natural Colour (NC)

lab*trj	0.5	0.5	0.5	(1.0)
lab*tce	0.5	0.5	0.5	(0.0)
lab*nce	0.0	0.5	0.816	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	77.33	7.88	-17.81
LAB*LABa	77.33	7.88	-17.81
LAB*LABb	77.33	7.88	-17.81
LAB*LABb	77.33	7.88	-17.81
LAB*LABb	77.33	7.88	-17.81

relative CIELAB lab*

lab*lab	0.25	0.25	0.25	(1.0)
lab*tch	0.25	0.25	0.25	(0.0)
lab*nch	0.0	0.25	0.816	

relative Natural Colour (NC)

lab*trj	0.25	0.25	0.25	(1.0)
lab*tce	0.25	0.25	0.25	(0.0)
lab*nce	0.0	0.25	0.816	

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	70.9	7.88	-17.81
LAB*LABa	70.9	7.88	-17.81
LAB*LABb	70.9	7.88	-17.81
LAB*LABb	70.9	7.88	-17.81
LAB*LABb	70.9	7.88	-17.81

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*tch	0.0	0.0	0.0	(0.0)
lab*nch	0.0	0.0	0.816	

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	(1.0)
lab*tce	0.0	0.0	0.0	(0.0)
lab*nce	0.0	0.0	0.816	

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*tch	0.0	0.0	0.0	(0.0)
lab*nch	1.0	0.0	0.0	

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	(1.0)
lab*tce	1.0	0.0	0.0	
lab*nce	1.0	0.0	0.0	

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 269/360 = 0.747$

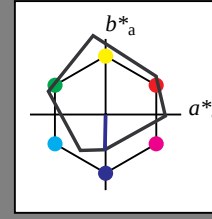
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 34 47 269

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.11	2.58
LAB*LABa	96.31	0.11	2.58
LAB*LABb	99.99	0.01	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	0.44	2.45
LAB*LABa	76.38	0.44	2.45
LAB*LABb	75.0	0.01	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	72.1	15.76	-35.62
LAB*LABa	72.1	15.76	-35.62
LAB*LABb	72.1	15.76	-35.62
LAB*LABb	72.1	15.76	-35.62
LAB*LABb	72.1	15.76	-35.62

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	65.4	0.76	2.32
LAB*LABa	65.4	0.76	2.32
LAB*LABb	50.0	0.01	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	1.09	2.19
LAB*LABa	36.5	1.09	2.19
LAB*LABb	25.0	0.01	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*tch	0.0	0.0	0.0	(0.0)
lab*nch	1.0	0.0	0.0	

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	(1.0)
lab*tce	1.0	0.0	0.0	
lab*nce	1.0	0.0	0.0	

$n^* = 1,0$

chromaticness c^*

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
RCIE	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

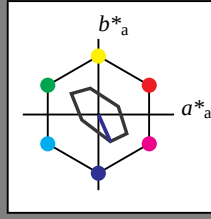
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	1.0	(0.0)
cmyn3*	0.0	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.0	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	1.0	(0.0)
cmyn3*	0.25	0.25	0.25	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0	0.0
LAB*LABb	75.0	0.0	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	1.0	(0.0)
cmyn3*	0.5	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	82.59	0.0	0.0	0.0	0.0
LAB*LABa	82.59	0.0	0.0	0.0	0.0
LAB*LABb	50.0	0.0	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	1.0	(0.0)
cmyn3*	0.75	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0	0.0
LAB*LABb	25.0	0.0	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	1.0	(0.0)
cmyn3*	1.0	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	1.0	(0.0)
cmyn3*	0.25	0.25	0.25	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.25	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	89.58	3.94	-8.9	0.0	0.0
LAB*LABa	89.58	3.94	-8.9	0.0	0.0
LAB*LABb	87.5	9.74	293.86	0.0	0.0

relative CIELAB lab*

lab*lab	0.773	0.101	-0.228	0.0	0.0
lab*tch	0.875	0.25	0.816	0.0	0.0
lab*nch	0.0	0.25	0.816	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.773	0.101	-0.228	0.0	0.0
lab*tce	0.875	0.25	0.816	0.0	0.0
lab*nce	0.0	0.25	0.816	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	1.0	(0.0)
cmyn3*	0.5	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.25	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	83.16	3.94	-8.9	0.0	0.0
LAB*LABa	83.16	3.94	-8.9	0.0	0.0
LAB*LABb	81.6	9.74	293.86	0.0	0.0

relative CIELAB lab*

lab*lab	0.523	0.101	-0.228	0.0	0.0
lab*tch	0.625	0.25	0.816	0.0	0.0
lab*nch	0.25	0.25	0.816	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.523	0.101	-0.228	0.0	0.0
lab*tce	0.625	0.25	0.816	0.0	0.0
lab*nce	0.25	0.25	0.816	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	1.0	(0.0)
cmyn3*	0.75	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.25	0.25	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.73	3.94	-8.9	0.0	0.0
LAB*LABa	76.73	3.94	-8.9	0.0	0.0
LAB*LABb	75.0	9.74	293.86	0.0	0.0

relative CIELAB lab*

lab*lab	0.297	0.101	-0.228	0.0	0.0
lab*tch	0.399	0.25	0.816	0.0	0.0
lab*nch	0.25	0.25	0.816	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.297	0.101	-0.228	0.0	0.0
lab*tce	0.399	0.25	0.816	0.0	0.0
lab*nce	0.25	0.25	0.816	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	1.0	(0.0)
cmyn3*	1.0	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	70.9	3.94	-8.9	0.0	0.0
LAB*LABa	70.9	3.94	-8.9	0.0	0.0
LAB*LABb	70.9	9.74	293.86	0.0	0.0

relative CIELAB lab*

lab*lab	0.047	0.101	-0.228	0.0	0.0
lab*tch	0.149	0.25	0.816	0.0	0.0
lab*nch	0.0	0.25	0.816	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.047	0.101	-0.228	0.0	0.0
lab*tce	0.149	0.25	0.816	0.0	0.0
lab*nce	0.0	0.25	0.816	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	1.0	(0.0)
cmyn3*	1.0	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	1.0	(0.0)
cmyn3*	0.5	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.5	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	83.16	3.94	-8.9	0.0	0.0
LAB*LABa	83.16	3.94	-8.9	0.0	0.0
LAB*LABb	81.6	9.74	293.86	0.0	0.0

relative CIELAB lab*

lab*lab	0.523	0.101	-0.228	0.0	0.0
lab*tch	0.625	0.25	0.816	0.0	0.0
lab*nch	0.25	0.25	0.816	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.523	0.101	-0.228	0.0	0.0
lab*tce	0.625	0.25	0.816	0.0	0.0
lab*nce	0.25	0.25	0.816	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	1.0	(0.0)
cmyn3*	0.75	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.5	0.5	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	77.33	3.94	-8.9	0.0	0.0
LAB*LABa	77.33	3.94	-8.9	0.0	0.0
LAB*LABb	75.0	9.74	293.86	0.0	0.0

relative CIELAB lab*

lab*lab	0.297	0.101	-0.228	0.0	0.0
lab*tch	0.399	0.25	0.816	0.0	0.0
lab*nch	0.25	0.25	0.816	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.297	0.101	-0.228	0.0	0.0
lab*tce	0.399	0.25	0.816	0.0	0.0
lab*nce	0.25	0.25	0.816	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	1.0	(0.0)
cmyn3*	1.0	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	70.9	3.94	-8.9	0.0	0.0
LAB*LABa	70.9	3.94	-8.9	0.0	0.0
LAB*LABb	70.9	9.74	293.86	0.0	0.0

relative CIELAB lab*

lab*lab	0.047	0.101	-0.228	0.0	0.0
lab*tch	0.149	0.25	0.816	0.0	0.0
lab*nch	0.0	0.25	0.816	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.047	0.101	-0.228	0.0	0.0
lab*tce	0.149	0.25	0.816	0.0	0.0
lab*nce	0.0	0.25	0.816	0.0	0.0

$n^* = 0,50$



0,50

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

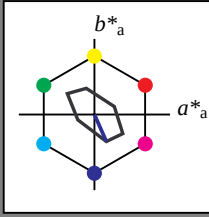
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCHa	99.99	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0
LAB*TCHa	75.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	82.56	0.0	0.0	0.0
LAB*LABa	82.56	0.0	0.0	0.0
LAB*TCHa	50.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	76.13	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0
LAB*TCHa	25.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0
LAB*TCHa	0.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.5	0.5	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	83.16	3.94	-8.9	0.0
LAB*LABa	83.16	3.94	-8.9	0.0
LAB*TCHa	87.5	9.74	293.86	0.0
relative CIELAB lab*				
lab*lab	0.773	0.101	-0.228	0.0
lab*tch	0.875	0.25	0.816	0.0
lab*nch	0.0	0.5	0.816	0.0
relative Natural Colour (NC)				
lab*trj	0.773	0.101	-0.228	0.0
lab*tce	0.875	0.25	0.816	0.0
lab*nce	0.0	0.5	0.816	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.5	0.5	0.5	0.25
standard and adapted CIELAB				
LAB*LAB	77.33	7.88	-17.81	0.0
LAB*LABa	77.33	7.88	-17.81	0.0
LAB*TCHa	50.0	19.48	293.86	0.0
relative CIELAB lab*				
lab*lab	0.523	0.101	-0.456	0.0
lab*tch	0.625	0.25	0.816	0.0
lab*nch	0.25	0.25	0.816	0.0
relative Natural Colour (NC)				
lab*trj	0.523	0.101	-0.456	0.0
lab*tce	0.625	0.25	0.816	0.0
lab*nce	0.25	0.25	0.816	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.5	0.5	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	70.9	7.88	-17.81	0.0
LAB*LABa	70.9	7.88	-17.81	0.0
LAB*TCHa	25.0	19.48	293.86	0.0
relative CIELAB lab*				
lab*lab	0.047	0.202	-0.456	0.0
lab*tch	0.25	0.5	0.816	0.0
lab*nch	0.25	0.5	0.816	0.0
relative Natural Colour (NC)				
lab*trj	0.047	0.202	-0.456	0.0
lab*tce	0.25	0.5	0.816	0.0
lab*nce	0.25	0.5	0.816	0.0

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0
LAB*TCHa	0.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 270/360 = 0.75$

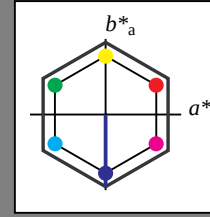
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 32 95 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCHa	99.99	0.02	0.0	0.0
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	0.0
LAB*LABa	71.57	0.0	0.0	0.0
LAB*TCHa	75.0	0.02	0.0	0.0
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*Lab _a	47.72	0.0	0.0	
LAB*TC _h	50.0	0.02	-	
relative CIELAB lab*				
lab*Lab	0.5	0.0	0.0	
lab*Lab _a	0.5	0.0	-	
lab*nc _h	0.5	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.5	0.0	0.0	
lab*nc _e	0.5	0.0	-	
lab*nce	0.5	0.0	-	

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

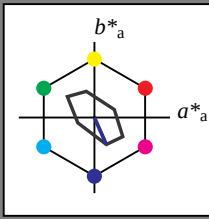
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*LABb	99.99	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0
LAB*LABb	75.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	82.56	0.0	0.0	0.0
LAB*LABa	82.56	0.0	0.0	0.0
LAB*LABb	50.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	76.13	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0
LAB*LABb	25.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.25	0.25	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	83.16	3.94	-8.9	0.0
LAB*LABa	83.16	3.94	-8.9	0.0
LAB*LABb	75.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.773	0.101	-0.228	0.0
lab*tch	0.875	0.25	0.816	0.0
lab*nch	0.0	0.25	0.816	0.0
relative Natural Colour (NC)				
lab*trj	0.773	0.101	-0.228	0.0
lab*tce	0.875	0.25	0.816	0.0
lab*nce	0.0	0.25	0.816	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.25	0.25	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	83.16	3.94	-8.9	0.0
LAB*LABa	83.16	3.94	-8.9	0.0
LAB*LABb	50.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.523	0.101	-0.228	0.0
lab*tch	0.625	0.25	0.816	0.0
lab*nch	0.25	0.25	0.816	0.0
relative Natural Colour (NC)				
lab*trj	0.523	0.101	-0.228	0.0
lab*tce	0.625	0.25	0.816	0.0
lab*nce	0.25	0.25	0.816	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.25	0.25	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	76.74	3.94	-8.9	0.0
LAB*LABa	76.74	3.94	-8.9	0.0
LAB*LABb	25.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.273	0.101	-0.228	0.0
lab*tch	0.375	0.25	0.816	0.0
lab*nch	0.25	0.25	0.816	0.0
relative Natural Colour (NC)				
lab*trj	0.273	0.101	-0.228	0.0
lab*tce	0.375	0.25	0.816	0.0
lab*nce	0.25	0.25	0.816	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	70.3	3.94	-8.9	0.0
LAB*LABa	70.3	3.94	-8.9	0.0
LAB*LABb	12.5	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.047	0.101	-0.228	0.0
lab*tch	0.047	0.101	-0.228	0.0
lab*nch	0.75	0.25	0.816	0.0
relative Natural Colour (NC)				
lab*trj	0.047	0.101	-0.228	0.0
lab*tce	0.047	0.101	-0.228	0.0
lab*nce	0.75	0.25	0.816	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.5	0.5	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	77.33	7.88	-17.81	0.0
LAB*LABa	77.33	7.88	-17.81	0.0
LAB*LABb	50.0	19.48	293.86	0.0
relative CIELAB lab*				
lab*lab	0.547	0.202	-0.456	0.0
lab*tch	0.625	0.75	0.816	0.0
lab*nch	0.0	0.75	0.816	0.0
relative Natural Colour (NC)				
lab*trj	0.547	0.202	-0.456	0.0
lab*tce	0.625	0.75	0.816	0.0
lab*nch	0.0	0.75	0.816	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.5	0.5	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	77.33	7.88	-17.81	0.0
LAB*LABa	77.33	7.88	-17.81	0.0
LAB*LABb	50.0	19.48	293.86	0.0
relative CIELAB lab*				
lab*lab	0.297	0.202	-0.456	0.0
lab*tch	0.375	0.75	0.816	0.0
lab*nch	0.25	0.75	0.816	0.0
relative Natural Colour (NC)				
lab*trj	0.297	0.202	-0.456	0.0
lab*tce	0.375	0.75	0.816	0.0
lab*nch	0.25	0.75	0.816	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	70.9	7.88	-17.81	0.0
LAB*LABa	70.9	7.88	-17.81	0.0
LAB*LABb	25.0	19.48	293.86	0.0
relative CIELAB lab*				
lab*lab	0.07	0.303	-0.685	0.0
lab*tch	0.07	0.303	-0.685	0.0
lab*nch	0.75	0.75	0.816	0.0
relative Natural Colour (NC)				
lab*trj	0.07	0.303	-0.685	0.0
lab*tce	0.07	0.303	-0.685	0.0
lab*nch	0.75	0.75	0.816	0.0

relative CIELAB lab*			
lab*lab	0.047	0.202	-0.456
lab*ach	0.25	0.5	0.816
lab*nch	0.5	0.5	0.816
relative Natural Colour (NC)			
lab*irj	0.047	0.15	-0.476
lab*tce	0.25	0.5	0.799
lab*nce	0.5	0.5	0.816

$n^* = 0,50$

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

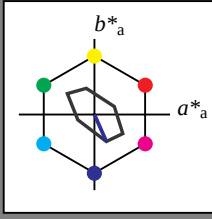
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.59	0.0	0.0
LAB*LABa	82.59	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	83.16	3.94	-8.9
LAB*LABa	83.16	3.94	-8.9
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.773	0.101	-0.228
lab*tch	0.875	0.25	0.816
lab*nch	0.0	0.5	0.816

relative Natural Colour (NC)

lab*trj	0.773	0.101	-0.228
lab*tce	0.875	0.25	0.816
lab*nce	0.0	0.5	0.816

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	77.33	7.88	-17.81
LAB*LABa	77.33	7.88	-17.81
LAB*LABb	50.0	19.48	293.86

relative CIELAB lab*

lab*lab	0.523	0.101	-0.228
lab*tch	0.625	0.25	0.816
lab*nch	0.25	0.25	0.816

relative Natural Colour (NC)

lab*trj	0.523	0.101	-0.228
lab*tce	0.625	0.25	0.816
lab*nce	0.25	0.25	0.816

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	77.33	7.88	-17.81
LAB*LABa	77.33	7.88	-17.81
LAB*LABb	50.0	19.48	293.86

relative CIELAB lab*

lab*lab	0.297	0.202	-0.456
lab*tch	0.375	0.25	0.816
lab*nch	0.25	0.25	0.816

relative Natural Colour (NC)

lab*trj	0.297	0.202	-0.456
lab*tce	0.375	0.25	0.816
lab*nce	0.25	0.25	0.816

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	70.9	7.88	-17.81
LAB*LABa	70.9	7.88	-17.81
LAB*LABb	25.0	19.48	293.86

relative CIELAB lab*

lab*lab	0.047	0.202	-0.456
lab*tch	0.25	0.25	0.816
lab*nch	0.5	0.5	0.816

relative Natural Colour (NC)

lab*trj	0.047	0.202	-0.456
lab*tce	0.25	0.25	0.816
lab*nce	0.5	0.5	0.816

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

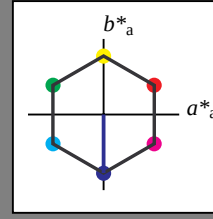
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	72.1	15.76	-35.62
LAB*LABa	72.1	15.76	-35.62
LAB*LABb	50.0	38.96	293.86

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

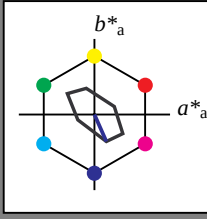
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCHa	99.99	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0
LAB*TCHa	75.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	82.56	0.0	0.0	0.0
LAB*LABa	82.56	0.0	0.0	0.0
LAB*TCHa	50.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	76.13	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0
LAB*TCHa	25.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0
LAB*TCHa	0.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.75	0.75	0.75	1.0
cmyn4*	0.25	0.25	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	83.16	3.94	-8.9	0.0
LAB*LABa	83.16	3.94	-8.9	0.0
LAB*TCHa	62.5	9.74	293.86	0.0
relative CIELAB lab*				
lab*lab	0.773	0.101	-0.228	0.0
lab*tch	0.875	0.25	0.816	0.0
lab*nch	0.0	0.25	0.816	0.0
relative Natural Colour (NC)				
lab*trj	0.773	0.101	-0.228	0.0
lab*tce	0.875	0.25	0.816	0.0
lab*nce	0.0	0.25	0.816	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.75	0.75	0.75	1.0
cmyn4*	0.25	0.25	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	83.16	3.94	-8.9	0.0
LAB*LABa	83.16	3.94	-8.9	0.0
LAB*TCHa	62.5	9.74	293.86	0.0
relative CIELAB lab*				
lab*lab	0.523	0.101	-0.228	0.0
lab*tch	0.625	0.25	0.816	0.0
lab*nch	0.0	0.25	0.816	0.0
relative Natural Colour (NC)				
lab*trj	0.523	0.101	-0.228	0.0
lab*tce	0.625	0.25	0.816	0.0
lab*nce	0.0	0.25	0.816	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.75	0.75	0.75	1.0
cmyn4*	0.25	0.25	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	76.73	7.88	-17.81	0.0
LAB*LABa	76.73	7.88	-17.81	0.0
LAB*TCHa	50.0	19.48	293.86	0.0
relative CIELAB lab*				
lab*lab	0.297	0.202	-0.456	0.0
lab*tch	0.375	0.25	0.816	0.0
lab*nch	0.0	0.25	0.816	0.0
relative Natural Colour (NC)				
lab*trj	0.297	0.202	-0.456	0.0
lab*tce	0.375	0.25	0.816	0.0
lab*nce	0.0	0.25	0.816	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	0.75	0.75	0.75	1.0
cmyn4*	0.25	0.25	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	70.3	3.94	-8.9	0.0
LAB*LABa	70.3	3.94	-8.9	0.0
LAB*TCHa	12.5	9.74	293.86	0.0
relative CIELAB lab*				
lab*lab	0.023	0.101	-0.228	0.0
lab*tch	0.125	0.25	0.816	0.0
lab*nch	0.0	0.25	0.816	0.0
relative Natural Colour (NC)				
lab*trj	0.023	0.101	-0.228	0.0
lab*tce	0.125	0.25	0.816	0.0
lab*nce	0.0	0.25	0.816	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.75	0.75	0.75	1.0
cmyn4*	0.5	0.5	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	83.16	3.94	-8.9	0.0
LAB*LABa	83.16	3.94	-8.9	0.0
LAB*TCHa	62.5	9.74	293.86	0.0
relative CIELAB lab*				
lab*lab	0.523	0.101	-0.456	0.0
lab*tch	0.625	0.25	0.816	0.0
lab*nch	0.0	0.25	0.816	0.0
relative Natural Colour (NC)				
lab*trj	0.523	0.101	-0.456	0.0
lab*tce	0.625	0.25	0.816	0.0
lab*nce	0.0	0.25	0.816	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.75	0.75	0.75	1.0
cmyn4*	0.5	0.5	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	77.33	7.88	-17.81	0.0
LAB*LABa	77.33	7.88	-17.81	0.0
LAB*TCHa	50.0	19.48	293.86	0.0
relative CIELAB lab*				
lab*lab	0.297	0.202	-0.456	0.0
lab*tch	0.375	0.25	0.816	0.0
lab*nch	0.0	0.25	0.816	0.0
relative Natural Colour (NC)				
lab*trj	0.297	0.202	-0.456	0.0
lab*tce	0.375	0.25	0.816	0.0
lab*nce	0.0	0.25	0.816	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	0.75	0.75	0.75	1.0
cmyn4*	0.25	0.25	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	72.1	15.76	-35.62	0.0
LAB*LABa	72.1	15.76	-35.62	0.0
LAB*TCHa	50.0	38.96	293.86	0.0
relative CIELAB lab*				
lab*lab	0.093	0.404	-0.913	0.0
lab*tch	0.5	1.0	0.816	0.0
lab*nch	0.0	1.0	0.816	0.0
relative Natural Colour (NC)				
lab*trj	0.093	0.404	-0.913	0.0
lab*tce	0.5	1.0	0.816	0.0
lab*nce	0.0	1.0	0.816	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	0.75	0.75	0.75	1.0
cmyn4*	0.25	0.25	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	70.9	7.88	-17.81	0.0
LAB*LABa	70.9	7.88	-17.81	0.0
LAB*TCHa	25.0	19.48	293.86	0.0
relative CIELAB lab*				
lab*lab	0.047	0.202	-0.456	0.0
lab*tch	0.25	0.5	0.816	0.0
lab*nch	0.0	0.5	0.816	0.0
relative Natural Colour (NC)				
lab*trj	0.047	0.202	-0.456	0.0
lab*tce	0.25	0.5	0.816	0.0
lab*nce	0.0	0.5	0.816	0.0

%Reg				
	$g^*_{H,rel}$			
	$g^*_{C,rel}$			

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

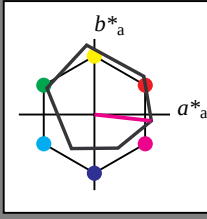
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*labch	1.0	0.0	0.0
lab*labnch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0
lab*labch	1.0	0.0	0.0
lab*labnch	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	76.06	0.0	0.0
LAB*LABc	76.06	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*labch	0.75	0.0	0.0
lab*labnch	0.75	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0
lab*labch	0.75	0.0	0.0
lab*labnch	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.71	0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0
LAB*LABc	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*labch	0.5	0.0	0.0
lab*labnch	0.5	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*labch	0.5	0.0	0.0
lab*labnch	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*LABb	37.36	0.0	0.0
LAB*LABc	37.36	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*labch	0.25	0.0	0.0
lab*labnch	0.25	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.25	0.0	0.0
lab*labch	0.25	0.0	0.0
lab*labnch	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	18.02	0.0	0.0
LAB*LABc	18.02	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*labch	0.0	0.0	0.0
lab*labnch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0
lab*labch	0.0	0.0	0.0
lab*labnch	0.0	0.0	0.0

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	1.0
cmyn4*	0.0	0.5	0.0	0.0

standard and adapted CIELAB

LAB*LAB	71.77	37.1	-1.01
LAB*LABa	71.77	37.63	-4.17
LAB*LABb	71.77	37.63	-4.17
LAB*LABc	71.77	37.63	-4.17

relative CIELAB lab*

lab*lab	0.847	0.248	-0.027
lab*labch	0.847	0.248	-0.027
lab*labnch	0.847	0.248	-0.027

relative Natural Colour (NC)

lab*lab	0.847	0.248	-0.027
lab*labch	0.847	0.248	-0.027
lab*labnch	0.847	0.248	-0.027

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	1.0
cmyn4*	0.0	0.5	0.0	0.0

standard and adapted CIELAB

LAB*LAB	52.42	37.48	-2.32
LAB*LABa	52.42	37.64	-4.17
LAB*LABb	52.42	37.64	-4.17
LAB*LABc	52.42	37.64	-4.17

relative CIELAB lab*

lab*lab	0.597	0.248	-0.027
lab*labch	0.597	0.248	-0.027
lab*labnch	0.597	0.248	-0.027

relative Natural Colour (NC)

lab*lab	0.597	0.248	-0.027
lab*labch	0.597	0.248	-0.027
lab*labnch	0.597	0.248	-0.027

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	1.0	0.25	1.0	1.0
cmyn4*	0.0	0.25	0.0	0.0

standard and adapted CIELAB

LAB*LAB	33.07	37.84	-3.62
LAB*LABa	33.07	37.63	-4.17
LAB*LABb	33.07	37.63	-4.17
LAB*LABc	33.07	37.63	-4.17

relative CIELAB lab*

lab*lab	0.347	0.248	-0.027
lab*labch	0.347	0.248	-0.027
lab*labnch	0.347	0.248	-0.027

relative Natural Colour (NC)

lab*lab	0.347	0.248	-0.027
lab*labch	0.347	0.248	-0.027
lab*labnch	0.347	0.248	-0.027

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	1.0	0.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	18.02	0.0	0.0
LAB*LABc	18.02	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*labch	0.25	0.0	0.0
lab*labnch	0.25	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.25	0.0	0.0
lab*labch	0.25	0.0	0.0
lab*labnch	0.25	0.0	0.0

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

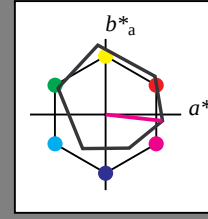
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*labch	1.0	0.0	0.0
lab*labnch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0
lab*labch	1.0	0.0	0.0
lab*labnch	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	76.06	0.0	0.0
LAB*LABc	76.06	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*labch	0.75	0.0	0.0
lab*labnch	0.75	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0
lab*labch	0.75	0.0	0.0
lab*labnch	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.71	0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0
LAB*LABc	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*labch	0.5	0.0	0.0
lab*labnch	0.5	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*labch	0.5	0.0	0.0
lab*labnch	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*LABb	37.36	0.0	0.0
LAB*LABc	37.36	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*labch	0.25	0.0	0.0
lab*labnch	0.25	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.25	0.0	0.0
lab*labch	0.25	0.0	0.0
lab*labnch	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	18.02	0.0	0.0
LAB*LABc	18.02	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*labch	0.0	0.0	0.0
lab*labnch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0
lab*labch	0.0	0.0	0.0
lab*labnch	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	35.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
GCIE	52.23	-42.25	11.76	43.87	164
BCIE	30.57	1.15	-46.84	46.86	271

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

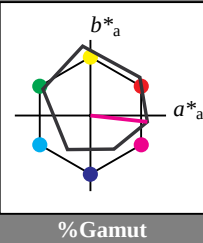
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.98	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	8.33
LAB*LABa	37.36	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.77	37.1	1.01
LAB*LABa	71.77	37.63	-4.17
LAB*LABb	75.0	37.86	353.66

relative CIELAB lab*

lab*lab	0.847	0.248	-0.027
lab*lab	0.875	0.25	0.982
lab*lab	0.0	0.5	0.982

relative Natural Colour (NC)

lab*lab	0.847	0.227	-0.103
lab*lab	0.875	0.25	0.932
lab*lab	0.0	0.25	0.932

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	52.42	37.48	-2.32
LAB*LABa	52.42	37.64	-4.17
LAB*LABb	50.0	37.87	353.66

relative CIELAB lab*

lab*lab	0.597	0.248	-0.027
lab*lab	0.625	0.25	0.982
lab*lab	0.0	0.25	0.982

relative Natural Colour (NC)

lab*lab	0.597	0.227	-0.103
lab*lab	0.625	0.25	0.932
lab*lab	0.0	0.25	0.932

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	32.42	37.48	-2.32
LAB*LABa	32.42	37.64	-4.17
LAB*LABb	50.0	37.87	353.66

relative CIELAB lab*

lab*lab	0.445	0.497	-0.054
lab*lab	0.5	0.5	0.982
lab*lab	0.0	0.5	0.982

relative Natural Colour (NC)

lab*lab	0.445	0.454	-0.208
lab*lab	0.5	0.5	0.932
lab*lab	0.0	0.5	0.932

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.5	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	33.07	37.84	-3.62
LAB*LABa	33.07	37.63	-4.17
LAB*LABb	25.01	37.86	353.66

relative CIELAB lab*

lab*lab	0.195	0.497	-0.054
lab*lab	0.25	0.5	0.982
lab*lab	0.0	0.5	0.982

relative Natural Colour (NC)

lab*lab	0.195	0.454	-0.208
lab*lab	0.25	0.5	0.932
lab*lab	0.0	0.5	0.932

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

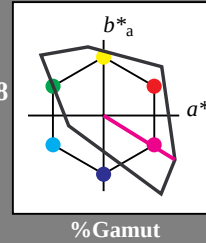
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.77	37.1	1.01
LAB*LABa	71.77	37.63	-4.17
LAB*LABb	75.0	37.86	353.66

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	8.33
LAB*LABa	37.36	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.35	47.17	-29.19
LAB*LABa	76.35	47.17	-29.19
LAB*LABb	75.0	55.47	328.23

relative CIELAB lab*

lab*lab	0.8	0.425	-0.262
lab*lab	0.75	0.5	0.912
lab*lab	0.0	0.5	0.912

relative Natural Colour (NC)

lab*lab	0.8	0.352	-0.354
lab*lab	0.75	0.5	0.874
lab*lab	0.0	0.5	0.874

relative Inform. Technology (IT)				
olvi3*	0.75	0.25	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi**	1.0	0	1.0	0.0
cmyn4*	0.0	0.5	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	52.51	47.18	-29.2	
LAB*LABa	52.51	47.18	-29.2	
LAB*TChA	50.0	55.49	328.23	
relative CIELAB lab*				
lab*lab	0.55	0.425	-0.262	
lab*tch	0.5	0.5	0.912	
lab*nch	0.25	0.5	0.912	
relative Natural Colour (NC)				
lab*lrj	0.55	0.352	0.354	
lab*lc	0.5	0.5	0.874	
lab*nC	0.25	0.5	0.874	

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

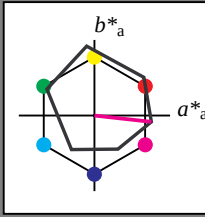
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.98 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.37 1.01
LAB*LABa 71.77 37.63 -4.17
LAB*TCa 75.0 37.86 353.66

relative CIELAB lab*
lab*lab 0.847 0.248 -0.027
lab*tch 0.875 0.25 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*trj 0.847 0.227 -0.103
lab*tce 0.875 0.25 0.932
lab*nce 0.0 0.25 0.727

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 64.24 18.43 0.56
LAB*LABa 64.24 18.82 -2.08
LAB*TCa 62.5 18.94 353.66

relative CIELAB lab*
lab*lab 0.597 0.248 -0.027
lab*tch 0.625 0.25 0.982
lab*nch 0.0 0.25 0.982
relative Natural Colour (NC)
lab*trj 0.597 0.227 -0.103
lab*tce 0.625 0.25 0.932
lab*nce 0.0 0.25 0.727

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.42 37.48 -2.32
LAB*LABa 52.42 37.64 -4.17
LAB*TCa 50.0 37.87 353.66

relative CIELAB lab*
lab*lab 0.445 0.497 -0.054
lab*tch 0.475 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*trj 0.445 0.454 -0.208
lab*tce 0.5 0.5 0.932
lab*nce 0.0 0.5 0.727

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 33.07 37.84 -3.62
LAB*LABa 33.07 37.63 -4.17
LAB*TCa 25.01 37.86 353.66

relative CIELAB lab*
lab*lab 0.195 0.497 -0.054
lab*tch 0.25 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*trj 0.195 0.454 -0.208
lab*tce 0.25 0.5 0.932
lab*nce 0.0 0.5 0.727

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

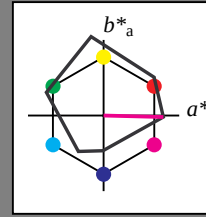
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 -0.44 2.45
LAB*LABa 76.38 0.0 0.0
LAB*TCa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 0.76 2.32
LAB*LABa 56.44 0.0 0.0
LAB*TCa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 1.09 2.19
LAB*LABa 36.5 0.0 0.0
LAB*TCa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.51 39.94 1.44
LAB*LABa 69.51 39.49 -0.97
LAB*TCa 75.0 39.51 358.58

relative CIELAB lab*
lab*lab 0.664 0.5 -0.011
lab*tch 0.75 0.5 0.996
lab*nch 0.0 0.5 0.996
relative Natural Colour (NC)
lab*trj 0.664 0.469 -0.172
lab*tce 0.75 0.5 0.944
lab*nce 0.0 0.5 0.777

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.57 39.62 1.3
LAB*LABa 49.57 39.5 -0.97
LAB*TCa 50.0 39.51 358.58

relative CIELAB lab*
lab*lab 0.414 0.5 -0.011
lab*tch 0.5 0.5 0.996
lab*nch 0.0 0.5 0.996
relative Natural Colour (NC)
lab*trj 0.414 0.469 -0.172
lab*tce 0.5 0.5 0.944
lab*nce 0.0 0.5 0.777

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 43.04 18.76 1.75
LAB*LABa 43.04 19.75 -0.48
LAB*TCa 37.5 19.76 358.58

relative CIELAB lab*
lab*lab 0.332 0.25 -0.005
lab*tch 0.375 0.25 0.996
lab*nch 0.0 0.25 0.996
relative Natural Colour (NC)
lab*trj 0.332 0.235 -0.085
lab*tce 0.375 0.25 0.944
lab*nce 0.0 0.25 0.777

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 29.64 38.29 1.18
LAB*LABa 29.64 39.49 -0.97
LAB*TCa 25.01 39.51 358.58

relative CIELAB lab*
lab*lab 0.164 0.5 -0.011
lab*tch 0.25 0.5 0.996
lab*nch 0.0 0.5 0.996
relative Natural Colour (NC)
lab*trj 0.164 0.469 -0.172
lab*tce 0.25 0.5 0.944
lab*nce 0.0 0.5 0.777

$n^* = 0,50$

0,25

0,50

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

5 step scales for constant CIELAB hue 359/360 = 0.996 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

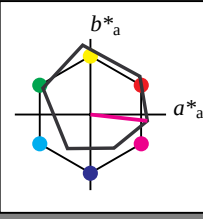
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*ch	1.0	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.98	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*ch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*ch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*ch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*nce	0.75	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	1.0	0.75	1.0	(1.0)
cmyn3*	0.0	0.25	0.0	(0.0)
olvi4*	1.0	0.75	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	83.59	18.05	1.87	0.0
LAB*LABa	83.59	18.81	-2.08	0.0
LAB*TCRa	87.5	18.93	353.66	0.0
relative CIELAB lab*				
lab*lab	0.847	0.248	-0.027	0.0
lab*ch	0.875	0.25	0.982	0.0
lab*nch	0.0	0.25	0.982	0.0
relative Natural Colour (NC)				
lab*trj	0.847	0.227	-0.103	0.0
lab*nce	0.875	0.25	0.932	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.75	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	64.24	18.43	0.56	0.0
LAB*LABa	64.24	18.82	-2.08	0.0
LAB*TCRa	62.5	18.94	353.66	0.0
relative CIELAB lab*				
lab*lab	0.597	0.248	-0.027	0.0
lab*ch	0.625	0.25	0.982	0.0
lab*nch	0.0	0.25	0.982	0.0
relative Natural Colour (NC)				
lab*trj	0.597	0.227	-0.103	0.0
lab*nce	0.625	0.25	0.932	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	1.0	0.75	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	44.89	18.8	-0.74	0.0
LAB*LABa	44.89	18.82	-2.08	0.0
LAB*TCRa	37.5	18.94	353.66	0.0
relative CIELAB lab*				
lab*lab	0.347	0.248	-0.027	0.0
lab*ch	0.375	0.25	0.982	0.0
lab*nch	0.0	0.25	0.982	0.0
relative Natural Colour (NC)				
lab*trj	0.347	0.227	-0.103	0.0
lab*nce	0.375	0.25	0.932	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	1.0	0.75	(0.0)
olvi4*	1.0	0.75	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	25.54	19.17	-2.04	0.0
LAB*LABa	25.54	18.81	-2.08	0.0
LAB*TCRa	12.5	18.93	353.66	0.0
relative CIELAB lab*				
lab*lab	0.097	0.248	-0.027	0.0
lab*ch	0.125	0.25	0.982	0.0
lab*nch	0.0	0.25	0.982	0.0
relative Natural Colour (NC)				
lab*trj	0.097	0.227	-0.103	0.0
lab*nce	0.125	0.25	0.932	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	-	-

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	71.77	37.1	1.01	0.0
LAB*LABa	71.77	37.63	-4.17	0.0
LAB*TCRa	75.0	37.86	353.66	0.0
relative CIELAB lab*				
lab*lab	0.695	0.497	-0.054	0.0
lab*ch	0.75	0.5	0.982	0.0
lab*nch	0.0	0.5	0.982	0.0
relative Natural Colour (NC)				
lab*trj	0.695	0.454	-0.208	0.0
lab*nce	0.75	0.5	0.932	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.25	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	52.42	37.48	-2.32	0.0
LAB*LABa	52.42	37.64	-4.17	0.0
LAB*TCRa	50.0	37.87	353.66	0.0
relative CIELAB lab*				
lab*lab	0.445	0.497	-0.054	0.0
lab*ch	0.5	0.5	0.982	0.0
lab*nch	0.0	0.5	0.982	0.0
relative Natural Colour (NC)				
lab*trj	0.445	0.454	-0.208	0.0
lab*nce	0.5	0.5	0.932	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	0.5	(1.0)
cmyn3*	0.5	1.0	0.5	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	33.07	37.84	-3.62	0.0
LAB*LABa	33.07	37.63	-4.17	0.0
LAB*TCRa	25.01	37.86	353.66	0.0
relative CIELAB lab*				
lab*lab	0.195	0.497	-0.054	0.0
lab*ch	0.25	0.5	0.982	0.0
lab*nch	0.0	0.5	0.982	0.0
relative Natural Colour (NC)				
lab*trj	0.195	0.454	-0.208	0.0
lab*nce	0.25	0.5	0.932	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	1.0	0.75	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

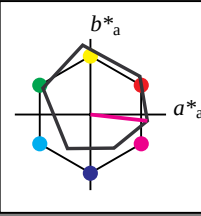
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.98 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.847 0.248 -0.027
lab*tch 0.875 0.25 0.982
lab*nch 0.0 0.25 0.982
lab*trj 0.847 0.227 -0.103
lab*tce 0.875 0.25 0.932
lab*nce 0.0 0.25 0.721

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.597 0.248 -0.027
lab*tch 0.625 0.25 0.982
lab*nch 0.0 0.25 0.982
lab*trj 0.597 0.227 -0.103
lab*tce 0.625 0.25 0.932
lab*nce 0.0 0.25 0.721

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.347 0.248 -0.027
lab*tch 0.375 0.25 0.982
lab*nch 0.0 0.25 0.982
lab*trj 0.347 0.227 -0.103
lab*tce 0.375 0.25 0.932
lab*nce 0.0 0.25 0.721

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.097 0.248 -0.027
lab*tch 0.125 0.25 0.982
lab*nch 0.0 0.25 0.982
lab*trj 0.097 0.227 -0.103
lab*tce 0.125 0.25 0.932
lab*nce 0.0 0.25 0.721

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.77 37.1 1.01
LAB*LABa 71.77 37.63 -41.7
LAB*TCHa 75.0 37.86 353.66

relative CIELAB lab*
lab*lab 0.847 0.248 -0.027
lab*tch 0.875 0.25 0.982
lab*nch 0.0 0.25 0.982
lab*trj 0.847 0.227 -0.103
lab*tce 0.875 0.25 0.932
lab*nce 0.0 0.25 0.721

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 64.24 18.43 0.56
LAB*LABa 64.24 18.82 -2.08
LAB*TCHa 62.5 18.94 353.66

relative CIELAB lab*
lab*lab 0.597 0.248 -0.027
lab*tch 0.625 0.25 0.982
lab*nch 0.0 0.25 0.982
lab*trj 0.597 0.227 -0.103
lab*tce 0.625 0.25 0.932
lab*nce 0.0 0.25 0.721

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.42 37.48 -2.32
LAB*LABa 52.42 37.64 -41.7
LAB*TCHa 50.0 37.86 353.66

relative CIELAB lab*
lab*lab 0.542 0.497 -0.054
lab*tch 0.575 0.5 0.982
lab*nch 0.0 0.5 0.982
lab*trj 0.542 0.454 -0.208
lab*tce 0.575 0.5 0.932
lab*nce 0.0 0.5 0.721

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.5 0.75 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.13 75.18 -6.79
LAB*LABa 48.13 75.26 -8.35
LAB*TCHa 50.0 75.73 353.66

relative CIELAB lab*
lab*lab 0.542 0.497 -0.054
lab*tch 0.575 0.5 0.982
lab*nch 0.0 0.5 0.982
lab*trj 0.542 0.454 -0.208
lab*tce 0.575 0.5 0.932
lab*nce 0.0 0.5 0.721

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 40.6 56.45 -6.26
LAB*LABa 40.6 56.45 -6.26
LAB*TCHa 37.51 56.8 353.66

relative CIELAB lab*
lab*lab 0.389 0.994 -0.109
lab*tch 0.5 1.0 0.982
lab*nch 0.0 1.0 0.982
lab*trj 0.389 0.909 -0.416
lab*tce 0.5 1.0 0.932
lab*nce 0.0 1.0 0.721

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 0.75 0.25 0.0 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 33.07 37.84 -3.62
LAB*LABa 33.07 37.63 -41.7
LAB*TCHa 25.01 37.86 353.66

relative CIELAB lab*
lab*lab 0.292 0.745 -0.082
lab*tch 0.375 0.25 0.982
lab*nch 0.0 0.25 0.982
lab*trj 0.292 0.692 -0.312
lab*tce 0.375 0.25 0.932
lab*nce 0.0 0.25 0.721

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 0.0 0.5 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 25.54 19.17 -2.04
LAB*LABa 25.54 18.81 -2.08
LAB*TCHa 12.5 18.93 353.66

relative CIELAB lab*
lab*lab 0.195 0.497 -0.054
lab*tch 0.25 0.5 0.982
lab*nch 0.0 0.5 0.982
lab*trj 0.195 0.454 -0.208
lab*tce 0.25 0.5 0.932
lab*nce 0.0 0.5 0.721

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.097 0.248 -0.027
lab*tch 0.125 0.25 0.982
lab*nch 0.0 0.25 0.982
lab*trj 0.097 0.227 -0.103
lab*tce 0.125 0.25 0.932
lab*nce 0.0 0.25 0.721

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

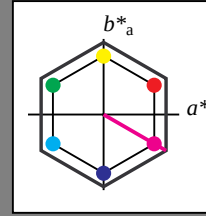
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.98 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.847 0.248 -0.027
lab*tch 0.875 0.25 0.982
lab*nch 0.0 0.25 0.982
lab*trj 0.847 0.227 -0.103
lab*tce 0.875 0.25 0.932
lab*nce 0.0 0.25 0.721

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.597 0.248 -0.027
lab*tch 0.625 0.25 0.982
lab*nch 0.0 0.25 0.982
lab*trj 0.597 0.227 -0.103
lab*tce 0.625 0.25 0.932
lab*nce 0.0 0.25 0.721

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.5 0.75 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.13 75.18 -6.79
LAB*LABa 48.13 75.26 -8.35
LAB*TCHa 50.0 75.73 353.66

relative CIELAB lab*
lab*lab 0.542 0.497 -0.054
lab*tch 0.575 0.5 0.982
lab*nch 0.0 0.5 0.982
lab*trj 0.542 0.454 -0.208
lab*tce 0.575 0.5 0.932
lab*nce 0.0 0.5 0.721

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4*

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

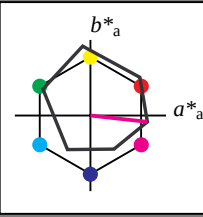
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCa 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 1.0 0.75 0.5 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 83.59 18.05 1.87
LAB*LABa 83.59 18.81 -2.08
LAB*TCa 87.5 19.34 353.66

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCa 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 64.24 18.43 0.56
LAB*LABa 64.24 18.82 -2.08
LAB*TCa 62.5 19.34 353.66

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 44.89 18.8 -0.74
LAB*LABa 44.89 18.82 -2.08
LAB*TCa 37.5 19.34 353.66

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCa 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.54 19.17 -2.04
LAB*LABa 25.54 18.81 -2.08
LAB*TCa 12.5 19.34 353.66

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCa 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.75 0.0 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCa 0.01 0.01 -

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1.00

0.75

0.25

0.00

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

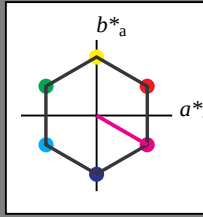
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCa 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 1.0 0.75 0.5 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.95 16.75 -9.66
LAB*LABa 88.95 16.75 -9.66
LAB*TCa 87.5 19.34 330.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCa 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 69.61 16.76 -9.67
LAB*LABa 69.61 16.76 -9.67
LAB*TCa 62.5 19.35 330.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 43.13 16.76 -9.67
LAB*LABa 43.13 16.76 -9.67
LAB*TCa 37.5 19.35 330.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCa 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.01 19.17 -2.04
LAB*LABa 25.01 18.81 -2.08
LAB*TCa 12.5 19.34 330.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCa 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.75 0.0 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCa 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.5 33.51 -19.34
LAB*LABa 82.5 33.51 -19.34
LAB*TCa 75.0 38.69 330.0

relative Inform. Technology (IT)
olvi3* 0.917 0.216 -0.124
cmyn3* 0.875 0.25 0.917
olvi4* 1.0 0.25 0.917
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 91.7 0.18 -0.172
LAB*LABa 91.7 0.18 -0.172
LAB*TCa 91.7 0.18 -0.172

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 69.61 16.76 -9.67
LAB*LABa 69.61 16.76 -9.67
LAB*TCa 62.5 19.35 330.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 43.13 16.76 -9.67
LAB*LABa 43.13 16.76 -9.67
LAB*TCa 37.5 19.35 330.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCa 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.01 19.17 -2.04
LAB*LABa 25.01 18.81 -2.08
LAB*TCa 12.5 19.34 330.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCa 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.75 0.0 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCa 0.01 0.01 -

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0.25

0.00

chromaticness c^*

$n^* = 1.0$

OE500-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

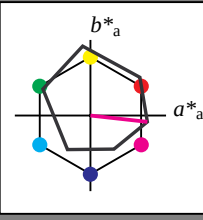
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	8.33
LAB*LABa	37.36	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.77	37.1	1.01
LAB*LABa	71.77	37.63	-41.7
LAB*TCRa	75.0	37.86	353.66

relative CIELAB lab*

lab*lab	0.847	0.248	-0.027
lab*tch	0.875	0.25	0.982
lab*nch	0.0	0.25	0.982

relative Natural Colour (NC)

lab*trj	0.847	0.227	-0.103
lab*tce	0.875	0.25	0.932
lab*nce	0.0	0.25	0.932

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	52.42	37.48	-2.32
LAB*LABa	52.42	37.64	-41.7
LAB*TCRa	50.0	37.87	353.66

relative CIELAB lab*

lab*lab	0.597	0.248	-0.027
lab*tch	0.625	0.25	0.982
lab*nch	0.0	0.25	0.982

relative Natural Colour (NC)

lab*trj	0.597	0.227	-0.103
lab*tce	0.625	0.25	0.932
lab*nce	0.0	0.25	0.932

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	1.0	0.25	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	32.42	37.48	-2.32
LAB*LABa	32.42	37.64	-41.7
LAB*TCRa	50.0	37.87	353.66

relative CIELAB lab*

lab*lab	0.445	0.497	-0.054
lab*tch	0.5	0.5	0.982
lab*nch	0.0	0.5	0.982

relative Natural Colour (NC)

lab*trj	0.445	0.454	-0.208
lab*tce	0.5	0.5	0.932
lab*nce	0.0	0.5	0.932

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.25	(0.0)
olvi4*	1.0	0.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	33.07	37.84	-3.62
LAB*LABa	33.07	37.63	-41.7
LAB*TCRa	25.01	37.86	353.66

relative CIELAB lab*

lab*lab	0.195	0.497	-0.054
lab*tch	0.25	0.5	0.982
lab*nch	0.0	0.5	0.982

relative Natural Colour (NC)

lab*trj	0.195	0.454	-0.208
lab*tce	0.25	0.5	0.932
lab*nce	0.0	0.5	0.932

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,25$

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

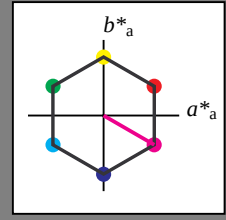
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RC _{IE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

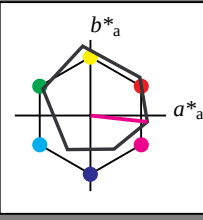
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

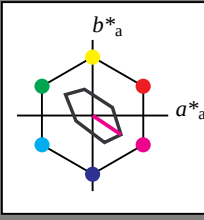
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
 $olvi3^* 1.0 1.0 1.0 (1.0)$
 $cmyn3^* 0.0 0.0 0.0 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 95.41 0.0 0.0$
 $LAB^*TCh 99.99 0.01 -$
 relative CIELAB lab*
 $lab^*lab 1.0 0.0 0.0$
 $lab^*tch 1.0 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 1.0 0.0 0.0$
 $lab^*tce 0.0 0.0 0.0$
 $lab^*nce 0.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.75 0.75 0.75 (1.0)$
 $cmyn3^* 0.25 0.25 0.25 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 76.98 -0.61 3.44$
 $LAB^*TCh 75.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 1.0 0.0 0.0$
 $lab^*tch 0.75 0.0 -$
 $lab^*nch 0.0 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.75 0.0 0.0$
 $lab^*tce 0.25 0.0 0.0$
 $lab^*nce 0.25 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.847 0.227 -0.103$
 $cmyn3^* 0.875 0.25 0.982$
 $olvi4^* 1.0 0.0 0.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 71.77 37.63 -41.7$
 $LAB^*TCh 75.0 37.86 353.66$
 relative CIELAB lab*
 $lab^*lab 0.847 0.248 -0.027$
 $lab^*tch 0.875 0.25 0.982$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 0.847 0.227 -0.103$
 $lab^*tce 0.875 0.25 0.982$
 $lab^*nce 0.0 0.25 0.727$

relative Inform. Technology (IT)
 $olvi3^* 1.0 0.5 1.0 (1.0)$
 $cmyn3^* 0.0 0.5 0.0 (0.0)$
 $olvi4^* 1.0 0.5 1.0 (1.0)$
 $cmyn4^* 0.0 0.5 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 71.77 37.63 -41.7$
 $LAB^*TCh 75.0 37.86 353.66$
 relative CIELAB lab*
 $lab^*lab 1.0 0.5 0.0$
 $lab^*tch 0.75 0.5 0.0$
 $lab^*nch 0.0 0.5 0.0$
 relative Natural Colour (NC)
 $lab^*trj 1.0 0.5 0.0$
 $lab^*tce 0.75 0.5 0.0$
 $lab^*nce 0.0 0.5 0.0$

relative Inform. Technology (IT)
 $olvi3^* 0.75 0.75 0.75 (1.0)$
 $cmyn3^* 0.25 0.25 0.25 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 88.98 0.0 0.0$
 $LAB^*TCh 75.0 0.0 -$
 relative CIELAB lab*
 $lab^*lab 1.0 0.0 0.0$
 $lab^*tch 1.0 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 1.0 0.0 0.0$
 $lab^*tce 0.0 0.0 0.0$
 $lab^*nce 0.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 1.0 1.0 1.0 (1.0)$
 $cmyn3^* 0.0 0.0 0.0 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 95.41 0.0 0.0$
 $LAB^*TCh 99.99 0.01 -$
 relative CIELAB lab*
 $lab^*lab 1.0 0.0 0.0$
 $lab^*tch 1.0 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 1.0 0.0 0.0$
 $lab^*tce 0.0 0.0 0.0$
 $lab^*nce 0.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.75 0.75 0.75 (1.0)$
 $cmyn3^* 0.25 0.25 0.25 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 88.98 0.0 0.0$
 $LAB^*TCh 75.0 0.0 -$
 relative CIELAB lab*
 $lab^*lab 1.0 0.0 0.0$
 $lab^*tch 0.75 0.0 0.0$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 1.0 0.0 0.0$
 $lab^*tce 0.75 0.0 0.0$
 $lab^*nce 0.0 0.0 0.0$

relative Inform. Technology (IT)
 $olvi3^* 0.75 0.75 0.75 (1.0)$
 $cmyn3^* 0.25 0.25 0.25 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 88.98 0.0 0.0$
 $LAB^*TCh 75.0 0.0 -$
 relative CIELAB lab*
 $lab^*lab 1.0 0.0 0.0$
 $lab^*tch 0.75 0.0 0.0$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 1.0 0.0 0.0$
 $lab^*tce 0.75 0.0 0.0$
 $lab^*nce 0.0 0.0 0.0$

relative Inform. Technology (IT)
 $olvi3^* 0.75 0.75 0.75 (1.0)$
 $cmyn3^* 0.25 0.25 0.25 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 88.98 0.0 0.0$
 $LAB^*TCh 75.0 0.0 -$
 relative CIELAB lab*
 $lab^*lab 1.0 0.0 0.0$
 $lab^*tch 0.75 0.0 0.0$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 1.0 0.0 0.0$
 $lab^*tce 0.75 0.0 0.0$
 $lab^*nce 0.0 0.0 0.0$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.5 0.5 0.5 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.0 0.0$
 $LAB^*TCh 50.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 0.0$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.5 0.5 0.5 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.0 0.0$
 $LAB^*TCh 50.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 0.0$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.5 0.5 0.5 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.0 0.0$
 $LAB^*TCh 50.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 0.0$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.5 0.5 0.5 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.0 0.0$
 $LAB^*TCh 50.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 0.0$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.5 0.5 0.5 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.0 0.0$
 $LAB^*TCh 50.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 0.0$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.5 0.5 0.5 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.0 0.0$
 $LAB^*TCh 50.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 0.0$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.5 0.5 0.5 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.0 0.0$
 $LAB^*TCh 50.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 0.0$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.5 0.5 0.5 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.0 0.0$
 $LAB^*TCh 50.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 0.0$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.5 0.5 0.5 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.0 0.0$
 $LAB^*TCh 50.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 0.0$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.5 0.5 0.5 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.0 0.0$
 $LAB^*TCh 50.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 0.0$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.5 0.5 0.5 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.0 0.0$
 $LAB^*TCh 50.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 0.0$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.5 0.5 0.5 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.0 0.0$
 $LAB^*TCh 50.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 0.0$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.5 0.5 0.5 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.0 0.0$
 $LAB^*TCh 50.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 0.0$
 $lab^*nce 0.5 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.5 0.5 0.5 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 56.71 0.0 0.0$
 $LAB^*TCh 50.0 0.01 -$
 relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.0 0.0 0.0$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 0.0$
 $lab^*nce 0.5 0.$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

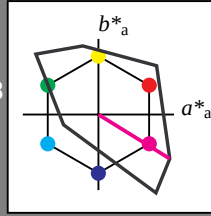
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)	olv3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*	LABa	LABb	LABc	
LAB*LAB	95.41	0.0	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	0.0	
LAB*LABb	99.99	0.01	-	-	
relative CIELAB lab*	lab*	lab	lab	lab	
lab*lab	1.0	0.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	0.0	
relative Natural Colour (NC)	lab*	lab	lab	lab	
lab*lab	1.0	0.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	0.0	

relative Inform. Technology (IT)	olv3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*	LABa	LABb	LABc	
LAB*LAB	71.57	0.0	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	0.0	
LAB*LABb	75.0	0.01	-	-	
relative CIELAB lab*	lab*	lab	lab	lab	
lab*lab	0.75	0.0	0.0	0.0	
lab*lab	0.75	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	0.0	
relative Natural Colour (NC)	lab*	lab	lab	lab	
lab*lab	0.75	0.0	0.0	0.0	
lab*lab	0.75	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	0.0	

relative Inform. Technology (IT)					
olv3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olv4*	1.0	1.0	1.0	1.0	
cmyn4*	0.0	0.0	0.0	0.5	
standard and adapted CIELAB					
LAB*LAB	47.72	0.0	0.0		
LAB*LABa	47.72	0.0	0.0		
LAB*TCHa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tcch	0.5	0.0	-		
lab*nch	0.5	0.0	-		
relative Natural Colour (NC)					
lab*lab	0.5	0.0	0.0		
lab*tcce	0.5	0.0	-		
lab*nch	0.5	0.0	-		

relative Inform. Technology (IT)				
olv3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.25	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	
LAB*LABa	23.87	0.0	0.0	
LAB*TCHa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*ich	0.25	0.0	-	
lab*nch	0.75	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.25	0.0	0.0	
lab*trc	0.25	0.0	-	
lab*trn	0.75	0.0	-	

relative Inform. Technology (IT)	olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*	LABa	LABb	LABc	
LAB*LAB	0.03	0.0	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	0.0	
LAB*LABb	0.01	0.01	-	-	
relative CIELAB lab*	lab*	lab	lab	lab	
lab*lab	0.0	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	0.0	
relative Natural Colour (NC)	lab*	lab	lab	lab	
lab*lab	0.0	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	0.0	

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

relative Inform. Technology (IT)	olv3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	0.0	(0.0)
olv4*	1.0	0.5	1.0	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*	LABa	LABb	LABc	
LAB*LAB	76.37	47.17	-29.19		
LAB*LABa	76.37	47.17	-29.19		
LAB*LABb	75.0	55.47	328.23		
relative CIELAB lab*	lab*	lab	lab	lab	
lab*lab	0.8	0.425	-0.262		
lab*lab	0.875	0.25	0.912		
lab*lab	0.0	0.5	0.912		
relative Natural Colour (NC)	lab*	lab	lab	lab	
lab*lab	0.8	0.425	-0.262		
lab*lab	0.875	0.25	0.912		
lab*lab	0.0	0.5	0.912		

relative Inform. Technology (IT)				
olv3*	0.75	0.25	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olv4*	1.0	0.5	1.0	0.5
cmyn4*	0.0	0.5	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	52.51	47.18	-29.2	
LAB*LABa	52.51	47.18	-29.2	
LAB*LABb	50.0	55.49	328.23	
relative CIELAB lab*				
lab*lab	0.55	0.425	-0.262	
lab*tch	0.5	0.5	0.912	
lab*nch	0.25	0.5	0.912	
relative Natural Colour (NC)				
lab*lr	0.55	0.352	-0.354	
lab*tce	0.5	0.5	0.874	
lab*nch	0.25	0.5	0.912	

relative Inform. Technology (IT)	olv3*	0.5	0.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.0	0.0	(0.0)
olv4*	1.0	0.5	1.0	0.5	(1.0)
cmyn4*	0.0	0.5	0.0	0.5	(0.0)
standard and adapted CIELAB	LAB*	LABa	LABb	LABc	
LAB*LAB	28.66	47.17	-29.19		
LAB*LABa	28.66	47.17	-29.19		
LAB*LABb	25.01	55.47	328.23		
relative CIELAB lab*	lab*	lab	lab	lab	
lab*lab	0.3	0.425	-0.262		
lab*lab	0.3	0.425	-0.262		
lab*lab	0.0	0.5	0.912		
relative Natural Colour (NC)	lab*	lab	lab	lab	
lab*lab	0.3	0.425	-0.262		
lab*lab	0.3	0.425	-0.262		
lab*lab	0.0	0.5	0.912		

relative Inform. Technology (IT)	olv3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.25	0.0	0.0	0.0	(0.0)
olv4*	1.0	0.5	1.0	0.5	(1.0)
cmyn4*	0.0	0.5	0.0	0.5	(0.0)
standard and adapted CIELAB	LAB*	LABa	LABb	LABc	
LAB*LAB	14.34	23.58	-14.59		
LAB*LABa	14.34	23.58	-14.59		
LAB*LABb	12.5	27.73	328.24		
relative CIELAB lab*	lab*	lab	lab	lab	
lab*lab	0.15	0.212	-0.131		
lab*lab	0.15	0.212	-0.131		
lab*lab	0.0	0.5	0.912		
relative Natural Colour (NC)	lab*	lab	lab	lab	
lab*lab	0.15	0.212	-0.131		
lab*lab	0.15	0.212	-0.131		
lab*lab	0.0	0.5	0.912		

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

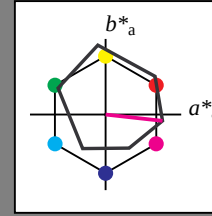
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)	olv3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*	LABa	LABb	LABc	
LAB*LAB	95.41	0.0	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	0.0	
LAB*LABb	99.99	0.01	-	-	
relative CIELAB lab*	lab*	lab	lab	lab	
lab*lab	1.0	0.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	0.0	
relative Natural Colour (NC)	lab*	lab	lab	lab	
lab*lab	1.0	0.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	0.0	

relative Inform. Technology (IT)	olv3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*	LABa	LABb	LABc	
LAB*LAB	76.06	0.61	3.44		
LAB*LABa	76.06	0.61	3.44		
LAB*LABb	75.0	0.01	-	-	
relative CIELAB lab*	lab*	lab	lab	lab	
lab*lab	0.75	0.0	0.0	0.0	
lab*lab	0.75	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	0.0	
relative Natural Colour (NC)	lab*	lab	lab	lab	
lab*lab	0.75	0.0	0.0	0.0	
lab*lab	0.75	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	0.0	

relative Inform. Technology (IT)					
olv3*	0.5	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	0.5
standard and adapted CIELAB					
LAB*LAB	56.71	-0.24	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*TCRa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*labcb	0.5	0.0	-		
lab*nch	0.5	0.0	-		
relative Natural Colour (NC)					
lab*lab	0.5	0.0	0.0		
lab*labcb	0.5	0.0	-		
lab*labf	0.5	0.0	-		

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

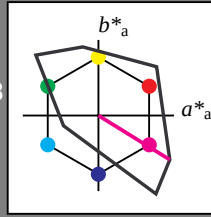
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.35	47.17	-29.19
LAB*LABa	76.35	47.17	-29.19
LAB*LABb	75.0	55.47	328.23

relative CIELAB lab*

lab*lab	0.8	0.425	-0.262
lab*tch	0.75	0.5	0.912
lab*nch	0.0	0.5	0.912

relative Natural Colour (NC)

lab*trj	0.8	0.352	-0.354
lab*tce	0.75	0.5	0.874
lab*nce	0.0	0.5	0.874

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	52.51	47.18	-29.2
LAB*LABa	52.51	47.18	-29.2
LAB*LABb	50.0	55.49	328.23

relative CIELAB lab*

lab*lab	0.55	0.425	-0.262
lab*tch	0.5	0.5	0.912
lab*nch	0.0	0.5	0.912

relative Natural Colour (NC)

lab*trj	0.55	0.352	-0.354
lab*tce	0.5	0.5	0.874
lab*nce	0.0	0.5	0.874

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	28.66	47.17	-29.19
LAB*LABa	28.66	47.17	-29.19
LAB*LABb	25.01	55.47	328.23

relative CIELAB lab*

lab*lab	0.3	0.425	-0.262
lab*tch	0.25	0.5	0.912
lab*nch	0.0	0.5	0.912

relative Natural Colour (NC)

lab*trj	0.3	0.352	-0.354
lab*tce	0.25	0.5	0.874
lab*nce	0.0	0.5	0.874

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

0,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

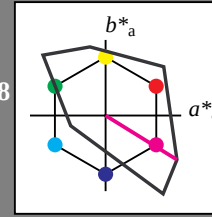
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.35	47.17	-29.19
LAB*LABa	76.35	47.17	-29.19
LAB*LABb	75.0	55.47	328.23

relative CIELAB lab*

lab*lab	0.8	0.425	-0.262
lab*tch	0.75	0.5	0.912
lab*nch	0.0	0.5	0.912

relative Natural Colour (NC)

lab*trj	0.8	0.352	-0.354
lab*tce	0.75	0.5	0.874
lab*nce	0.0	0.5	0.874

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	52.51	47.18	-29.2
LAB*LABa	52.51	47.18	-29.2
LAB*LABb	50.0	55.49	328.23

relative CIELAB lab*

lab*lab	0.55	0.425	-0.262
lab*tch	0.5	0.5	0.912
lab*nch	0.0	0.5	0.912

relative Natural Colour (NC)

lab*trj	0.55	0.352	-0.354
lab*tce	0.5	0.5	0.874
lab*nce	0.0	0.5	0.874

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.5	(1.0)
cmyn3*	0.5	1.0	0.5	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	28.66	47.17	-29.19
LAB*LAB	28.66	47.17	-29.19
LAB*TC _{hA}	25.01	55.47	328.23

relative CIELAB lab*

lab*lab	0.3	0.425	-0.262
lab*lc _h	0.25	0.5	0.912
lab*nc _h	0.5	0.5	0.912

relative Natural Colour (NC)

lab*lr _g	0.3	0.352	-0.354
lab*lc _g	0.25	0.5	0.874
lab*lc _g F	0.25	0.5	0.874

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

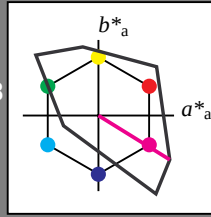
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.37 0.0 0.0
LAB*LABa 76.37 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.9 0.212 -0.131
lab*tch 0.875 0.25 0.912
lab*nch 0.0 0.5 0.912
relative Natural Colour (NC)
lab*trj 0.9 0.176 -0.177
lab*tce 0.875 0.25 0.874
lab*nce 0.0 0.25 0.874

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 62.03 0.0 0.0
LAB*LABa 62.03 0.0 0.0
LAB*LABb 62.03 0.0 0.0

relative CIELAB lab*
lab*lab 0.65 0.213 -0.131
lab*tch 0.625 0.25 0.912
lab*nch 0.0 0.5 0.912
relative Natural Colour (NC)
lab*trj 0.65 0.176 -0.177
lab*tce 0.625 0.25 0.874
lab*nce 0.0 0.25 0.874

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 38.18 0.0 0.0
LAB*LABa 38.18 0.0 0.0
LAB*LABb 38.18 0.0 0.0

relative CIELAB lab*
lab*lab 0.4 0.213 -0.131
lab*tch 0.375 0.25 0.912
lab*nch 0.0 0.5 0.912
relative Natural Colour (NC)
lab*trj 0.4 0.176 -0.177
lab*tce 0.375 0.25 0.874
lab*nce 0.0 0.25 0.874

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

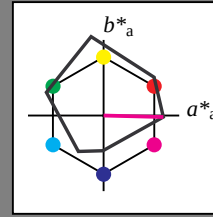
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.37 0.0 0.0
LAB*LABa 76.37 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 1.0 0.75 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.91 0.0 0.0
LAB*LABa 82.91 0.0 0.0
LAB*LABb 82.91 0.0 0.0

relative CIELAB lab*
lab*lab 0.832 0.25 -0.005
lab*tch 0.875 0.25 0.996
lab*nch 0.0 0.25 0.996
relative Natural Colour (NC)
lab*trj 0.832 0.25 -0.005
lab*tce 0.875 0.25 0.944
lab*nce 0.0 0.25 0.944

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 62.97 0.0 0.0
LAB*LABa 62.97 0.0 0.0
LAB*LABb 62.97 0.0 0.0

relative CIELAB lab*
lab*lab 0.582 0.25 -0.005
lab*tch 0.625 0.25 0.996
lab*nch 0.0 0.5 0.996
relative Natural Colour (NC)
lab*trj 0.582 0.25 -0.005
lab*tce 0.625 0.25 0.944
lab*nce 0.0 0.25 0.944

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 38.18 0.0 0.0
LAB*LABa 38.18 0.0 0.0
LAB*LABb 38.18 0.0 0.0

relative CIELAB lab*
lab*lab 0.414 0.5 -0.011
lab*tch 0.414 0.5 0.996
lab*nch 0.0 0.25 0.996
relative Natural Colour (NC)
lab*trj 0.414 0.469 -0.172
lab*tce 0.5 0.5 0.944
lab*nce 0.25 0.5 0.944

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 1.0 0.25 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.64 0.0 0.0
LAB*LABa 66.64 0.0 0.0
LAB*LABb 66.64 0.0 0.0

relative CIELAB lab*
lab*lab 0.664 0.5 -0.011
lab*tch 0.664 0.5 0.996
lab*nch 0.0 0.25 0.996
relative Natural Colour (NC)
lab*trj 0.664 0.469 -0.172
lab*tce 0.75 0.75 0.944
lab*nce 0.0 0.25 0.944

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.57 0.0 0.0
LAB*LABa 49.57 0.0 0.0
LAB*LABb 49.57 0.0 0.0

relative CIELAB lab*
lab*lab 0.414 0.5 -0.011
lab*tch 0.414 0.5 0.996
lab*nch 0.0 0.25 0.996
relative Natural Colour (NC)
lab*trj 0.414 0.469 -0.172
lab*tce 0.5 0.5 0.944
lab*nce 0.25 0.5 0.944

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 38.18 0.0 0.0
LAB*LABa 38.18 0.0 0.0
LAB*LABb 38.18 0.0 0.0

relative CIELAB lab*
lab*lab 0.414 0.5 -0.011
lab*tch 0.414 0.5 0.996
lab*nch 0.0 0.25 0.996
relative Natural Colour (NC)
lab*trj 0.414 0.469 -0.172
lab*tce 0.5 0.5 0.944
lab*nce 0.25 0.5 0.944

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 328/360 = 0.912 (left)

5 step scales for constant CIELAB hue 359/360 = 0.996 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

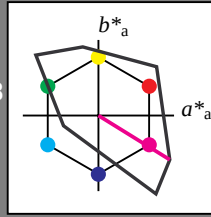
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.37	47.17	-29.19
LAB*LABa	76.37	47.17	-29.19
LAB*LABb	75.0	55.47	328.23

relative CIELAB lab*

lab*lab	0.8	0.425	-0.262
lab*tch	0.875	0.25	0.912
lab*nch	0.0	0.5	0.912

relative Natural Colour (NC)

lab*trj	0.8	0.352	-0.354
lab*tce	0.75	0.25	0.874
lab*nce	0.0	0.5	0.874

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	52.51	47.18	-29.2
LAB*LABa	52.51	47.18	-29.2
LAB*LABb	50.0	55.49	328.23

relative CIELAB lab*

lab*lab	0.55	0.425	-0.262
lab*tch	0.575	0.25	0.912
lab*nch	0.0	0.5	0.912

relative Natural Colour (NC)

lab*trj	0.55	0.352	-0.354
lab*tce	0.5	0.25	0.874
lab*nce	0.0	0.5	0.874

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.5	(1.0)
cmyn3*	0.5	1.0	0.5	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	28.66	47.17	-29.19
LAB*LABa	28.66	47.17	-29.19
LAB*LABb	25.01	55.47	328.23

relative CIELAB lab*

lab*lab	0.3	0.425	-0.262
lab*tch	0.25	0.5	0.912
lab*nch	0.0	0.5	0.912

relative Natural Colour (NC)

lab*trj	0.3	0.352	-0.354
lab*tce	0.25	0.5	0.874
lab*nce	0.0	0.5	0.874

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	1.0	0.25	(0.0)
olvi4*	1.0	0.25	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	14.34	23.58	-14.59
LAB*LABa	14.34	23.58	-14.59
LAB*LABb	12.5	27.74	328.24

relative CIELAB lab*

lab*lab	0.15	0.212	-0.131
lab*tch	0.125	0.25	0.912
lab*nch	0.0	0.25	0.912

relative Natural Colour (NC)

lab*trj	0.15	0.125	-0.177
lab*tce	0.125	0.25	0.874
lab*nce	0.0	0.25	0.874

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

1,00

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

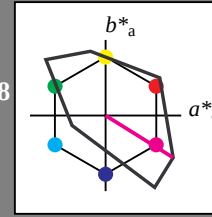
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 328/360 = 0.911 (right)

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

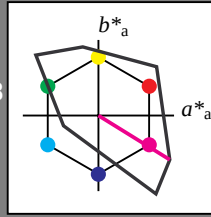
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*trj	0.75	0.0	0.0
lab*trj	0.75	0.0	0.0
lab*trj	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*trj	0.5	0.0	0.0
lab*trj	0.5	0.0	0.0
lab*trj	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.35	47.17	-29.19
LAB*LABa	76.35	47.17	-29.19
LAB*LABb	75.0	55.47	328.23

relative CIELAB lab*

lab*lab	0.8	0.425	-0.262
lab*lab	0.875	0.425	0.912
lab*lab	0.0	0.5	0.912
lab*lab	0.0	0.5	0.912

relative Natural Colour (NC)

lab*trj	0.8	0.352	-0.354
lab*trj	0.875	0.352	0.874
lab*trj	0.0	0.5	0.874
lab*trj	0.0	0.5	0.874

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	52.51	47.18	-29.2
LAB*LABa	52.51	47.18	-29.2
LAB*LABb	50.0	55.49	328.23

relative CIELAB lab*

lab*lab	0.55	0.425	-0.262
lab*lab	0.55	0.425	0.912
lab*lab	0.0	0.5	0.912
lab*lab	0.0	0.5	0.912

relative Natural Colour (NC)

lab*trj	0.55	0.352	-0.354
lab*trj	0.55	0.352	0.874
lab*trj	0.0	0.5	0.874
lab*trj	0.0	0.5	0.874

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	28.66	47.17	-29.19
LAB*LABa	28.66	47.17	-29.19
LAB*LABb	25.01	55.47	328.23

relative CIELAB lab*

lab*lab	0.3	0.425	-0.262
lab*lab	0.3	0.425	0.912
lab*lab	0.0	0.5	0.912
lab*lab	0.0	0.5	0.912

relative Natural Colour (NC)

lab*trj	0.3	0.352	-0.354
lab*trj	0.3	0.352	0.874
lab*trj	0.0	0.5	0.874
lab*trj	0.0	0.5	0.874

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

0,00

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

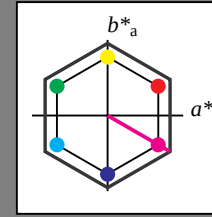
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*trj	0.75	0.0	0.0
lab*trj	0.75	0.0	0.0
lab*trj	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*trj	0.5	0.0	0.0
lab*trj	0.5	0.0	0.0
lab*trj	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

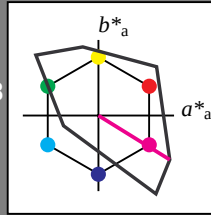
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.37 47.17 -29.19
LAB*LABa 76.35 47.17 -29.19
LAB*LABb 75.0 55.47 328.23

relative CIELAB lab*
lab*lab 0.8 0.212 -0.131
lab*tch 0.875 0.25 0.912
lab*nch 0.0 0.5 0.912
relative Natural Colour (NC)
lab*trj 0.8 0.176 -0.177
lab*tce 0.875 0.25 0.874
lab*nce 0.0 0.25 0.874

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 62.03 23.59 -14.6
LAB*LABa 62.03 23.59 -14.6
LAB*LABb 62.5 27.74 328.24

relative CIELAB lab*
lab*lab 0.65 0.213 -0.131
lab*tch 0.625 0.25 0.912
lab*nch 0.0 0.5 0.912
relative Natural Colour (NC)
lab*trj 0.65 0.176 -0.177
lab*tce 0.625 0.25 0.874
lab*nce 0.0 0.25 0.874

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.51 47.18 -29.2
LAB*LABa 52.51 47.18 -29.2
LAB*LABb 50.0 55.49 328.23

relative CIELAB lab*
lab*lab 0.55 0.245 -0.262
lab*tch 0.525 0.25 0.912
lab*nch 0.0 0.5 0.912
relative Natural Colour (NC)
lab*trj 0.55 0.352 -0.354
lab*tce 0.5 0.2 0.874
lab*nce 0.0 0.25 0.874

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 28.66 47.17 -29.19
LAB*LABa 28.66 47.17 -29.19
LAB*LABb 25.01 55.47 328.23

relative CIELAB lab*
lab*lab 0.3 0.245 -0.262
lab*tch 0.25 0.0 0.912
lab*nch 0.0 0.5 0.912
relative Natural Colour (NC)
lab*trj 0.25 0.352 -0.354
lab*tce 0.25 0.2 0.874
lab*nce 0.0 0.25 0.874

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

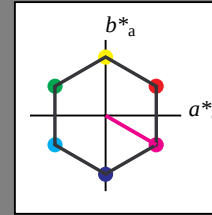
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.72 0.0 0.0
LAB*LABa 46.72 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.37 0.0 0.0
LAB*LABa 23.37 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.5 33.51 -19.34
LAB*LABa 82.5 33.51 -19.34
LAB*LABb 80.0 38.69 330.0

relative CIELAB lab*
lab*lab 0.833 0.433 -0.249
lab*tch 0.75 0.5 0.917
lab*nch 0.0 0.5 0.917
relative Natural Colour (NC)
lab*trj 0.833 0.36 -0.346
lab*tce 0.75 0.5 0.878
lab*nce 0.0 0.5 0.878

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.16 33.52 -19.34
LAB*LABa 63.16 33.52 -19.34
LAB*LABb 60.0 38.69 330.0

relative CIELAB lab*
lab*lab 0.583 0.433 -0.249
lab*tch 0.5 0.5 0.917
lab*nch 0.0 0.5 0.917
relative Natural Colour (NC)
lab*trj 0.583 0.36 -0.346
lab*tce 0.5 0.5 0.878
lab*nce 0.0 0.5 0.878

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.26 16.76 -9.67
LAB*LABa 50.26 16.76 -9.67
LAB*LABb 50.0 19.35 330.0

relative CIELAB lab*
lab*lab 0.417 0.217 -0.124
lab*tch 0.375 0.25 0.917
lab*nch 0.0 0.25 0.917
relative Natural Colour (NC)
lab*trj 0.417 0.19 -0.172
lab*tce 0.375 0.25 0.878
lab*nce 0.0 0.25 0.878

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.91 16.75 -9.66
LAB*LABa 30.91 16.75 -9.66
LAB*LABb 12.5 19.34 330.0

relative CIELAB lab*
lab*lab 0.167 0.216 -0.124
lab*tch 0.25 0.0 0.917
lab*nch 0.0 0.5 0.917
relative Natural Colour (NC)
lab*trj 0.167 0.19 -0.172
lab*tce 0.25 0.25 0.878
lab*nce 0.0 0.25 0.878

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 328/360 = 0.912 (left)

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

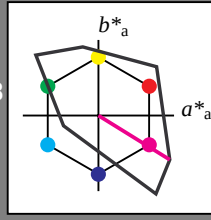
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 328/360 = 0.912 (left)

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.37	47.17	-29.19
LAB*LABa	76.37	47.17	-29.19
LAB*LABb	75.0	55.47	328.23

relative CIELAB lab*

lab*lab	0.8	0.425	-0.262
lab*lab	0.875	0.425	0.912
lab*lab	0.0	0.5	0.912
lab*lab	0.0	0.5	0.912

relative Natural Colour (NC)

lab*lab	0.8	0.425	-0.262
lab*lab	0.875	0.425	0.912
lab*lab	0.0	0.5	0.912
lab*lab	0.0	0.5	0.912

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	52.51	47.18	-29.2
LAB*LABa	52.51	47.18	-29.2
LAB*LABb	50.0	55.49	328.23

relative CIELAB lab*

lab*lab	0.55	0.425	-0.262
lab*lab	0.55	0.425	0.912
lab*lab	0.0	0.5	0.912
lab*lab	0.0	0.5	0.912

relative Natural Colour (NC)

lab*lab	0.55	0.425	-0.262
lab*lab	0.55	0.425	0.912
lab*lab	0.0	0.5	0.912
lab*lab	0.0	0.5	0.912

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	28.66	47.17	-29.19
LAB*LABa	28.66	47.17	-29.19
LAB*LABb	25.01	55.47	328.23

relative CIELAB lab*

lab*lab	0.3	0.425	-0.262
lab*lab	0.3	0.425	0.912
lab*lab	0.0	0.5	0.912
lab*lab	0.0	0.5	0.912

relative Natural Colour (NC)

lab*lab	0.3	0.425	-0.262
lab*lab	0.3	0.425	0.912
lab*lab	0.0	0.5	0.912
lab*lab	0.0	0.5	0.912

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.5	0.75	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	14.34	23.58	-14.59
LAB*LABa	14.34	23.58	-14.59
LAB*LABb	12.5	27.73	328.24

relative CIELAB lab*

lab*lab	0.15	0.212	-0.131
lab*lab	0.15	0.212	0.912
lab*lab	0.0	0.5	0.912
lab*lab	0.0	0.5	0.912

relative Natural Colour (NC)

lab*lab	0.15	0.212	-0.131
lab*lab	0.15	0.212	0.912
lab*lab	0.0	0.5	0.912
lab*lab	0.0	0.5	0.912

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

blackness n^*

chromaticness c^*

$n^* = 0,00$

blackness n^*

chromaticness c^*

$n^* = 0,25$

blackness n^*

chromaticness c^*

$n^* = 0,50$

blackness n^*

chromaticness c^*

$n^* = 0,75$

blackness n^*

chromaticness c^*

$n^* = 1,0$

blackness n^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

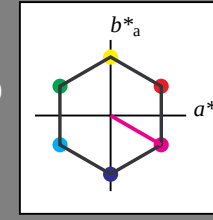
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0		

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

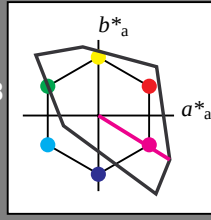
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*LABa \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*LABa \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ 0.0$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*LABa \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.35 \ 47.17 \ -29.19$
 $LAB^*LABa \ 76.35 \ 47.17 \ -29.19$
 $LAB^*TCha \ 75.0 \ 55.47 \ 328.24$
 relative CIELAB lab*
 $lab^*lab \ 0.9 \ 0.212 \ -0.131$
 $lab^*tch \ 0.875 \ 0.25 \ 0.912$
 $lab^*nch \ 0.0 \ 0.5 \ 0.912$
 relative Natural Colour (NC)
 $lab^*trj \ 0.9 \ 0.176 \ -0.177$
 $lab^*tce \ 0.875 \ 0.25 \ 0.874$
 $lab^*nce \ 0.0 \ 0.25 \ 0.874$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 1.0 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 62.03 \ 23.59 \ -14.6$
 $LAB^*LABa \ 62.03 \ 23.59 \ -14.6$
 $LAB^*TCha \ 62.5 \ 27.74 \ 328.24$
 relative CIELAB lab*
 $lab^*lab \ 0.65 \ 0.213 \ -0.131$
 $lab^*tch \ 0.625 \ 0.25 \ 0.912$
 $lab^*nch \ 0.0 \ 0.5 \ 0.912$
 relative Natural Colour (NC)
 $lab^*trj \ 0.65 \ 0.176 \ -0.177$
 $lab^*tce \ 0.625 \ 0.25 \ 0.874$
 $lab^*nce \ 0.25 \ 0.25 \ 0.874$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 1.0 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 38.18 \ 23.59 \ -14.6$
 $LAB^*LABa \ 38.18 \ 23.59 \ -14.6$
 $LAB^*TCha \ 37.5 \ 27.74 \ 328.24$
 relative CIELAB lab*
 $lab^*lab \ 0.4 \ 0.213 \ -0.131$
 $lab^*tch \ 0.375 \ 0.25 \ 0.912$
 $lab^*nch \ 0.0 \ 0.5 \ 0.912$
 relative Natural Colour (NC)
 $lab^*trj \ 0.4 \ 0.176 \ -0.177$
 $lab^*tce \ 0.375 \ 0.25 \ 0.874$
 $lab^*nce \ 0.5 \ 0.25 \ 0.874$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.0 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 1.0 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.75 \ 1.0 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 14.34 \ 23.58 \ -14.59$
 $LAB^*LABa \ 14.34 \ 23.58 \ -14.59$
 $LAB^*TCha \ 12.5 \ 27.73 \ 328.24$
 relative CIELAB lab*
 $lab^*lab \ 0.15 \ 0.212 \ -0.131$
 $lab^*tch \ 0.125 \ 0.25 \ 0.912$
 $lab^*nch \ 0.0 \ 0.5 \ 0.912$
 relative Natural Colour (NC)
 $lab^*trj \ 0.15 \ 0.176 \ -0.177$
 $lab^*tce \ 0.125 \ 0.25 \ 0.874$
 $lab^*nce \ 0.75 \ 0.25 \ 0.874$

$n^* = 0,50$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ -$

0,75

$n^* = 0,00$

0,25

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

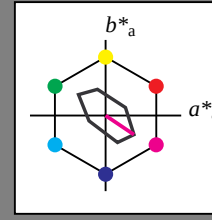
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 88.98 \ 0.0 \ 0.0$
 $LAB^*LABa \ 88.98 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 57.3 \ 94.33 \ -58.4$
 $LAB^*LABa \ 57.3 \ 94.33 \ -58.4$
 $LAB^*TCha \ 50.0 \ 110.95 \ 328.23$
 relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ 0.0$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 25.0 \ 0.0 \ 0.0$
 $LAB^*LABa \ 25.0 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$
 relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 86.36 \ 19.76 \ -12.61$
 $LAB^*LABa \ 86.36 \ 19.76 \ -12.61$
 $LAB^*TCha \ 75.0 \ 22.61 \ 326.07$
 relative CIELAB lab*
 $lab^*lab \ 0.836 \ 0.207 \ -0.138$
 $lab^*tch \ 0.875 \ 0.25 \ 0.906$
 $lab^*nch \ 0.0 \ 0.5 \ 0.906$
 relative Natural Colour (NC)
 $lab^*trj \ 0.836 \ 0.17 \ -0.182$
 $lab^*tce \ 0.875 \ 0.25 \ 0.869$
 $lab^*nce \ 0.0 \ 0.25 \ 0.869$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 1.0 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 84.76 \ 9.38 \ -6.3$
 $LAB^*LABa \ 84.76 \ 9.38 \ -6.3$
 $LAB^*TCha \ 87.5 \ 11.3 \ 326.07$
 relative CIELAB lab*
 $lab^*lab \ 0.586 \ 0.207 \ -0.139$
 $lab^*tch \ 0.625 \ 0.25 \ 0.906$
 $lab^*nch \ 0.0 \ 0.5 \ 0.906$
 relative Natural Colour (NC)
 $lab^*trj \ 0.586 \ 0.17 \ -0.182$
 $lab^*tce \ 0.625 \ 0.25 \ 0.869$
 $lab^*nce \ 0.25 \ 0.25 \ 0.869$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.25 \ 1.0 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 80.53 \ 19.76 \ -12.61$
 $LAB^*LABa \ 80.53 \ 19.76 \ -12.61$
 $LAB^*TCha \ 50.0 \ 22.61 \ 326.07$
 relative CIELAB lab*
 $lab^*lab \ 0.421 \ 0.415 \ -0.278$
 $lab^*tch \ 0.375 \ 0.25 \ 0.906$
 $lab^*nch \ 0.0 \ 0.5 \ 0.906$
 relative Natural Colour (NC)
 $lab^*trj \ 0.421 \ 0.341 \ -0.365$
 $lab^*tce \ 0.375 \ 0.25 \ 0.869$
 $lab^*nce \ 0.25 \ 0.5 \ 0.869$

relative Inform. Technology (IT)
 $olvi3^* \ 0$

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

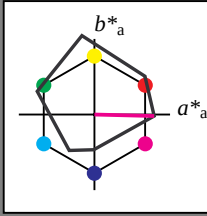
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	96.31	0.0	0.0	2.58
LAB*LABa	96.31	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	11.58
LAB*LABa	76.38	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	11.58
LAB*LABa	56.44	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	36.5	-1.09	2.19	11.58
LAB*LABa	36.5	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	11.58
LAB*LABa	16.57	0.0	0.0	0.0
LAB*LABb	0.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	1.0
cmyn4*	0.0	0.5	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	69.51	39.94	1.44	1.44
LAB*LABa	69.51	39.94	-0.97	-0.97
LAB*LABb	75.0	39.51	358.58	358.58
relative CIELAB lab*				
lab*lab	0.832	0.25	-0.005	-0.005
lab*lab	0.832	0.25	-0.005	-0.005
lab*lab	0.832	0.25	-0.005	-0.005
lab*lab	0.832	0.25	-0.005	-0.005
relative Natural Colour (NC)				
lab*lab	0.832	0.25	-0.005	-0.005
lab*lab	0.832	0.25	-0.005	-0.005
lab*lab	0.832	0.25	-0.005	-0.005
lab*lab	0.832	0.25	-0.005	-0.005

relative Inform. Technology (IT)				
olvi3*	0.75	0.25	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	1.0	0.5	1.0	1.0
cmyn4*	0.0	0.5	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	49.57	39.5	-0.97	-0.97
LAB*LABa	49.57	39.5	-0.97	-0.97
LAB*LABb	50.0	39.51	358.58	358.58
relative CIELAB lab*				
lab*lab	0.414	0.5	-0.011	-0.011
lab*lab	0.414	0.5	-0.011	-0.011
lab*lab	0.414	0.5	-0.011	-0.011
lab*lab	0.414	0.5	-0.011	-0.011
relative Natural Colour (NC)				
lab*lab	0.414	0.5	-0.011	-0.011
lab*lab	0.414	0.5	-0.011	-0.011
lab*lab	0.414	0.5	-0.011	-0.011
lab*lab	0.414	0.5	-0.011	-0.011

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	1.0	0.5	1.0	1.0
cmyn4*	0.0	0.5	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	29.64	38.29	1.18	1.18
LAB*LABa	29.64	38.29	-0.97	-0.97
LAB*LABb	25.01	39.51	358.58	358.58
relative CIELAB lab*				
lab*lab	0.164	0.5	-0.011	-0.011
lab*lab	0.164	0.5	-0.011	-0.011
lab*lab	0.164	0.5	-0.011	-0.011
lab*lab	0.164	0.5	-0.011	-0.011
relative Natural Colour (NC)				
lab*lab	0.164	0.5	-0.011	-0.011
lab*lab	0.164	0.5	-0.011	-0.011
lab*lab	0.164	0.5	-0.011	-0.011
lab*lab	0.164	0.5	-0.011	-0.011

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.25	0.0	0.0	(0.0)
olvi4*	1.0	0.75	1.0	1.0
cmyn4*	0.0	0.75	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	23.1	18.43	1.62	1.62
LAB*LABa	23.1	18.43	-0.48	-0.48
LAB*LABb	12.5	19.75	358.58	358.58
relative CIELAB lab*				
lab*lab	0.082	0.25	-0.005	-0.005
lab*lab	0.082	0.25	-0.005	-0.005
lab*lab	0.082	0.25	-0.005	-0.005
lab*lab	0.082	0.25	-0.005	-0.005
relative Natural Colour (NC)				
lab*lab	0.082	0.25	-0.005	-0.005
lab*lab	0.082	0.25	-0.005	-0.005
lab*lab	0.082	0.25	-0.005	-0.005
lab*lab	0.082	0.25	-0.005	-0.005

$n^* = 0,50$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

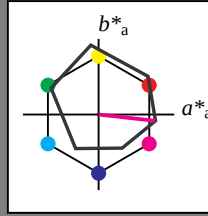
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	96.31	-0.88	4.75	11.58
LAB*LABa	96.31	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*TCHa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*ch	0.75	0.0	-	
lab*ncn	0.25	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.75	0.0	0.0	
lab*tcn	0.75	0.0	-	
lab*nce	0.25	0.0	-	

Input: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 359/360 = 0.996$

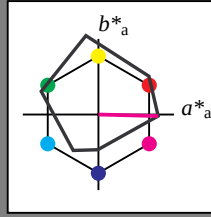
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.31	11.25	2.58
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	1.0
cmyn4*	0.0	0.5	0.0	0.0

standard and adapted CIELAB

LAB*LAB	69.51	39.94	1.44
LAB*LABa	69.51	39.49	-0.97
LAB*LABb	75.0	39.51	358.58

relative CIELAB lab*

lab*lab	0.832	0.25	-0.005
lab*tch	0.875	0.25	0.996
lab*nch	0.0	0.25	0.996

relative Natural Colour (NC)

lab*trj	0.832	0.25	-0.005
lab*tce	0.25	0.25	0.944
lab*nce	0.0	0.25	0.944

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	1.0
cmyn4*	0.0	0.5	0.0	0.25

standard and adapted CIELAB

LAB*LAB	49.57	39.5	-0.97
LAB*LABa	49.57	39.5	-0.97
LAB*LABb	50.0	39.51	358.58

relative CIELAB lab*

lab*lab	0.582	0.25	-0.005
lab*tch	0.625	0.25	0.996
lab*nch	0.25	0.25	0.996

relative Natural Colour (NC)

lab*trj	0.582	0.25	-0.005
lab*tce	0.625	0.25	0.944
lab*nce	0.25	0.25	0.944

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	1.0	0.5	1.0	1.0
cmyn4*	0.0	0.25	0.0	0.5

standard and adapted CIELAB

LAB*LAB	43.04	18.76	1.75
LAB*LABa	43.04	18.76	1.75
LAB*LABb	37.5	19.76	358.58

relative CIELAB lab*

lab*lab	0.332	0.25	-0.005
lab*tch	0.375	0.25	0.996
lab*nch	0.25	0.25	0.996

relative Natural Colour (NC)

lab*trj	0.332	0.25	-0.005
lab*tce	0.375	0.25	0.944
lab*nce	0.25	0.25	0.944

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	1.0	0.75	(0.0)
olvi4*	1.0	0.75	1.0	1.0
cmyn4*	0.0	0.25	0.0	0.75

standard and adapted CIELAB

LAB*LAB	23.1	18.43	1.62
LAB*LABa	23.1	18.43	1.62
LAB*LABb	12.5	19.75	358.58

relative CIELAB lab*

lab*lab	0.082	0.25	-0.005
lab*tch	0.125	0.25	0.996
lab*nch	0.25	0.25	0.996

relative Natural Colour (NC)

lab*trj	0.082	0.25	-0.005
lab*tce	0.125	0.25	0.944
lab*nce	0.25	0.25	0.944

$n^* = 0,50$

0,75

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

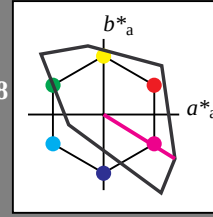
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.41	0.0	0.0
LAB*LABa	96.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	1.0
cmyn4*	0.0	0.5	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.35	47.17	-29.19
LAB*LABa	76.35	47.17	-29.19
LAB*LABb	75.0	55.47	328.23

relative CIELAB lab*

lab*lab	0.8	0.425	-0.262
lab*tch	0.875	0.25	0.912
lab*nch	0.0	0.25	0.912

relative Natural Colour (NC)

lab*trj	0.8	0.425	-0.262
lab*tce	0.25	0.25	0.

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

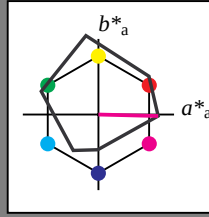
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 96.31 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5$
 $lab^*nce \ 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.38 \ -0.44 \ 2.45$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.44 \ -0.76 \ 2.32$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 36.5 \ -1.09 \ 2.19$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.57 \ -1.41 \ 2.06$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ 0.0$

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.51 \ 39.94 \ 1.44$
 $LAB^*TCha \ 69.51 \ 39.49 \ -0.97$
 $LAB^*TCha \ 75.0 \ 39.51 \ 358.58$

relative CIELAB lab*
 $lab^*lab \ 0.832 \ 0.25 \ -0.005$
 $lab^*tch \ 0.875 \ 0.25 \ 0.996$
 $lab^*nch \ 0.0 \ 0.5 \ 0.996$
 relative Natural Colour (NC)
 $lab^*trj \ 0.832 \ 0.25 \ -0.005$
 $lab^*tce \ 0.875 \ 0.25 \ 0.944$
 $lab^*nce \ 0.0 \ 0.5 \ 0.944$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 62.97 \ 19.75 \ -0.48$
 $LAB^*TCha \ 62.97 \ 19.75 \ -0.48$

relative CIELAB lab*
 $lab^*lab \ 0.582 \ 0.25 \ -0.005$
 $lab^*tch \ 0.625 \ 0.25 \ 0.996$
 $lab^*nch \ 0.0 \ 0.5 \ 0.996$
 relative Natural Colour (NC)
 $lab^*trj \ 0.582 \ 0.25 \ -0.005$
 $lab^*tce \ 0.625 \ 0.25 \ 0.944$
 $lab^*nce \ 0.0 \ 0.5 \ 0.944$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.25 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 49.57 \ 39.5 \ -0.97$
 $LAB^*TCha \ 49.57 \ 39.51 \ 358.58$

relative CIELAB lab*
 $lab^*lab \ 0.496 \ 0.75 \ -0.018$
 $lab^*tch \ 0.625 \ 0.75 \ 0.996$
 $lab^*nch \ 0.0 \ 0.75 \ 0.996$
 relative Natural Colour (NC)
 $lab^*trj \ 0.496 \ 0.75 \ -0.018$
 $lab^*tce \ 0.625 \ 0.75 \ 0.944$
 $lab^*nce \ 0.0 \ 0.75 \ 0.944$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.25 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 36.5 \ -1.09 \ 2.19$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.246 \ 0.75 \ -0.018$
 $lab^*tch \ 0.375 \ 0.75 \ 0.996$
 $lab^*nch \ 0.0 \ 0.75 \ 0.996$
 relative Natural Colour (NC)
 $lab^*trj \ 0.246 \ 0.75 \ -0.018$
 $lab^*tce \ 0.375 \ 0.75 \ 0.944$
 $lab^*nce \ 0.0 \ 0.75 \ 0.944$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.57 \ -1.41 \ 2.06$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.57 \ -1.41 \ 2.06$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.57 \ -1.41 \ 2.06$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ 0.0$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

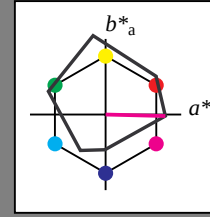
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 96.31 \ -0.11 \ 2.58$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.38 \ -0.44 \ 2.45$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.44 \ -0.76 \ 2.32$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.25 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 36.5 \ -1.09 \ 2.19$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.57 \ -1.41 \ 2.06$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.57 \ -1.41 \ 2.06$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.57 \ -1.41 \ 2.06$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.57 \ -1.41 \ 2.06$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ 0.0$

$n^* = 1,0$

chromaticness c^*

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

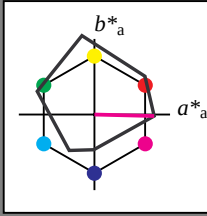
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.0 0.0
LAB*LABa 96.31 0.0 0.0
LAB*TCBa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 -0.44 2.45
LAB*LABa 76.38 0.0 0.0
LAB*TCBa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 -0.76 2.32
LAB*LABa 56.44 0.0 0.0
LAB*TCBa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 -1.09 2.19
LAB*LABa 36.5 0.0 0.0
LAB*TCBa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*TCBa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.51 39.94 1.44
LAB*LABa 69.51 39.49 -0.97
LAB*TCBa 75.0 39.51 358.58

relative CIELAB lab*
lab*lab 0.832 0.25 -0.005
lab*tch 0.875 0.25 0.996
lab*nch 0.0 0.25 0.996
relative Natural Colour (NC)
lab*trj 0.832 0.25 -0.005
lab*tce 0.875 0.25 0.944
lab*nce 0.0 0.25 0.977

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 62.9 13.09 1.88
LAB*LABa 62.9 19.75 -0.48
LAB*TCBa 62.5 19.75 358.58

relative CIELAB lab*
lab*lab 0.582 0.25 -0.005
lab*tch 0.625 0.25 0.996
lab*nch 0.25 0.25 0.996
relative Natural Colour (NC)
lab*trj 0.582 0.25 -0.005
lab*tce 0.625 0.25 0.944
lab*nce 0.25 0.25 0.977

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.57 39.5 -0.97
LAB*LABa 49.57 39.51 358.58

relative CIELAB lab*
lab*lab 0.414 0.5 -0.011
lab*tch 0.457 0.5 0.996
lab*nch 0.25 0.5 0.996
relative Natural Colour (NC)
lab*trj 0.414 0.5 -0.011
lab*tce 0.457 0.5 0.944
lab*nce 0.25 0.5 0.977

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.5 0.75 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 29.64 38.29 1.18
LAB*LABa 29.64 39.49 -0.97
LAB*TCBa 25.01 39.51 358.58

relative CIELAB lab*
lab*lab 0.164 0.5 -0.011
lab*tch 0.25 0.5 0.996
lab*nch 0.5 0.5 0.996
relative Natural Colour (NC)
lab*trj 0.164 0.5 -0.011
lab*tce 0.25 0.5 0.944
lab*nce 0.5 0.5 0.977

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 1.0 0.25 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.11 59.24 -1.46
LAB*LABa 56.11 59.26 358.58

relative CIELAB lab*
lab*lab 0.496 0.75 -0.018
lab*tch 0.525 0.75 0.996
lab*nch 0.0 0.75 0.996
relative Natural Colour (NC)
lab*trj 0.496 0.75 -0.018
lab*tce 0.525 0.75 0.944
lab*nce 0.0 0.75 0.977

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.75 (1.0)
cmyn3* 0.25 1.0 0.25 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 42.71 77.99 0.28
LAB*LABa 42.71 78.99 -1.95
LAB*TCBa 50.0 79.01 358.58

relative CIELAB lab*
lab*lab 0.328 0.999 -0.024
lab*tch 0.5 1.0 0.996
lab*nch 0.0 1.0 0.996
relative Natural Colour (NC)
lab*trj 0.328 0.999 -0.024
lab*tce 0.5 1.0 0.944
lab*nce 0.0 1.0 0.977

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 1.0 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 29.64 38.29 1.18
LAB*LABa 29.64 39.49 -0.97
LAB*TCBa 25.01 39.51 358.58

relative CIELAB lab*
lab*lab 0.246 0.75 -0.018
lab*tch 0.375 0.75 0.996
lab*nch 0.25 0.75 0.996
relative Natural Colour (NC)
lab*trj 0.246 0.75 -0.018
lab*tce 0.375 0.75 0.944
lab*nce 0.25 0.75 0.977

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCBa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCBa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 0,00$

relative Inform. Technology (IT)
olvi3* 1.0 0.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCBa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.75 (1.0)
cmyn3* 0.25 1.0 0.25 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.96 22.33 -13.91
LAB*LABa 66.96 22.33 -13.91
LAB*TCBa 62.5 26.32 328.06

relative CIELAB lab*
lab*lab 0.632 0.212 -0.131
lab*tch 0.625 0.25 0.911
lab*nch 0.25 0.25 0.911
relative Natural Colour (NC)
lab*trj 0.632 0.212 -0.131
lab*tce 0.625 0.25 0.874
lab*nce 0.25 0.25 0.899

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 57.86 44.67 -27.83
LAB*LABa 57.86 44.67 -27.83
LAB*TCBa 50.0 52.62 328.06

relative CIELAB lab*
lab*lab 0.515 0.424 -0.263
lab*tch 0.5 0.5 0.911
lab*nch 0.25 0.5 0.911
relative Natural Colour (NC)
lab*trj 0.515 0.424 -0.263
lab*tce 0.5 0.5 0.874
lab*nce 0.25 0.5 0.899

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 38.51 44.66 -27.83
LAB*LABa 38.51 44.66 -27.83
LAB*TCBa 25.01 52.62 328.06

relative CIELAB lab*
lab*lab 0.265 0.424 -0.263
lab*tch 0.25 0.5 0.911
lab*nch 0.5 0.5 0.911
relative Natural Colour (NC)
lab*trj 0.265 0.424 -0.263
lab*tce 0.25 0.5 0.874
lab*nce 0.5 0.5 0.899

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 0.0 0.0
LAB*LABa 16.57 0.0 0.0
LAB*TCBa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 0,00$

0,75

$n^* = 0,00$

0,25

0,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

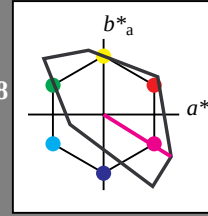
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.0 0.0
LAB*LABa 96.31 0.0 0.0
LAB*TCBa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCBa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCBa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCBa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCBa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.96 22.33 -13.91
LAB*LABa 66.96 22.33 -13.91
LAB*TCBa 62.5 26.32 328.06

relative CIELAB lab*
lab*lab 0.632 0.212 -0.131
lab*tch 0.625 0.25 0.911
lab*nch 0.25 0.25 0.911
relative Natural Colour (NC)
lab*trj 0.632 0.212 -0.131
lab*tce 0.625 0.25 0.874
lab*nce 0.25 0.25 0.899

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.75 0.5 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 57.86 44.67 -27.83
LAB*LABa 57.86 44.67 -27.83
LAB*TCBa 50.0 52.62 328.06

relative CIELAB lab*
lab*lab 0.515 0.424 -0.263
lab*tch 0.5 0.25 0.911
lab*nch 0.25 0.25 0.911
relative Natural Colour (NC)
lab*trj 0.515 0.424 -0.263
lab*tce 0.5 0.25 0.874
lab*nce 0.25 0.25 0.899

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 38.51 44.66 -27.83
LAB*LABa 38.51 44.66 -27.83
LAB*TCBa 25.01 52.62 328.06

relative CIELAB lab*
lab*lab 0.265 0.424 -0.263
lab*tch 0.25 0.25 0.911
lab*nch 0.5 0.25 0.911
relative Natural Colour (NC)
lab*trj 0.265 0.424 -0.263
lab*tce 0.25 0.25 0.874
lab*nce 0.5 0.25 0.899

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 0.0 0.0
LAB*LABa 16.57 0.0 0.0
LAB*TCBa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 0.0 0.0
LAB*LABa 16.57 0.0 0.0
LAB*TCBa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

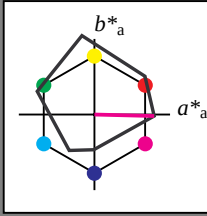
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.0 0.0
LAB*LABa 96.31 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 -0.44 2.45
LAB*LABa 76.38 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 -0.76 2.32
LAB*LABa 56.44 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 -1.09 2.19
LAB*LABa 36.5 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.51 39.94 1.44
LAB*LABa 69.51 39.49 -0.97
LAB*TCRa 75.0 39.51 358.58

relative CIELAB lab*
lab*lab 0.832 0.25 -0.005
lab*tch 0.875 0.25 0.996
lab*nch 0.0 0.25 0.996
relative Natural Colour (NC)
lab*trj 0.832 0.25 -0.005
lab*tce 0.875 0.25 0.944
lab*nce 0.0 0.25 0.944

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 62.9 13.09 1.88
LAB*LABa 62.97 19.75 -0.48
LAB*TCRa 75.0 19.75 358.58

relative CIELAB lab*
lab*lab 0.582 0.25 -0.005
lab*tch 0.625 0.25 0.996
lab*nch 0.25 0.25 0.996
relative Natural Colour (NC)
lab*trj 0.582 0.25 -0.005
lab*tce 0.625 0.25 0.944
lab*nce 0.25 0.25 0.944

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.57 39.5 -0.97
LAB*LABa 49.57 39.5 -0.97
LAB*TCRa 50.0 39.51 358.58

relative CIELAB lab*
lab*lab 0.414 0.5 -0.011
lab*tch 0.457 0.5 0.996
lab*nch 0.25 0.5 0.996
relative Natural Colour (NC)
lab*trj 0.414 0.468 -0.172
lab*tce 0.457 0.5 0.944
lab*nce 0.25 0.5 0.944

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 29.64 38.29 1.18
LAB*LABa 29.64 39.49 -0.97
LAB*TCRa 25.01 39.51 358.58

relative CIELAB lab*
lab*lab 0.164 0.5 -0.011
lab*tch 0.25 0.5 0.996
lab*nch 0.5 0.5 0.996
relative Natural Colour (NC)
lab*trj 0.164 0.468 -0.172
lab*tce 0.25 0.5 0.944
lab*nce 0.5 0.5 0.944

$n^* = 0,50$

0,75

$n^* = 0,25$

blackness n^*

0,00

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

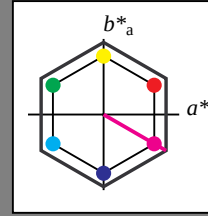
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.75
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.75
lab*nce 0.0 0.0 0.75

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCRa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCRa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCRa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 79.5 41.3 -23.84
LAB*LABa 79.5 41.3 -23.84
LAB*TCRa 75.0 47.69 330.0

relative CIELAB lab*
lab*lab 0.833 0.433 -0.249
lab*tch 0.75 0.5 0.917
lab*nch 0.0 0.5 0.917
relative Natural Colour (NC)
lab*trj 0.833 0.36 -0.346
lab*tce 0.75 0.5 0.878
lab*nce 0.0 0.5 0.878

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.75 (1.0)
cmyn3* 0.25 0.75 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.66 41.31 -23.84
LAB*LABa 55.66 41.31 -23.84
LAB*TCRa 50.0 47.7 330.0

relative CIELAB lab*
lab*lab 0.583 0.433 -0.249
lab*tch 0.5 0.5 0.917
lab*nch 0.25 0.5 0.917
relative Natural Colour (NC)
lab*trj 0.583 0.36 -0.346
lab*tce 0.5 0.5 0.878
lab*nce 0.25 0.5 0.878

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 39.76 20.66 -11.92
LAB*LABa 39.76 20.66 -11.92
LAB*TCRa 37.5 23.85 330.0

relative CIELAB lab*
lab*lab 0.417 0.217 -0.124
lab*tch 0.375 0.25 0.917
lab*nch 0.5 0.25 0.917
relative Natural Colour (NC)
lab*trj 0.417 0.19 -0.172
lab*tce 0.375 0.25 0.878
lab*nce 0.5 0.25 0.878

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 15.91 20.65 -11.91
LAB*LABa 15.91 20.65 -11.91
LAB*TCRa 12.5 23.84 330.0

relative CIELAB lab*
lab*lab 0.167 0.216 -0.124
lab*tch 0.25 0.5 0.917
lab*nch 0.75 0.25 0.917
relative Natural Colour (NC)
lab*trj 0.167 0.19 -0.172
lab*tce 0.25 0.5 0.878
lab*nce 0.75 0.25 0.878

$n^* = 0,50$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 0.25 1.0 (1.0)
cmyn3* 0.0 0.75 0.0 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.55 61.96 -35.76
LAB*LABa 71.55 61.96 -35.76
LAB*TCRa 62.5 71.54 330.0

relative CIELAB lab*
lab*lab 0.75 0.649 -0.374
lab*tch 0.625 0.75 0.917
lab*nch 0.0 0.75 0.917
relative Natural Colour (NC)
lab*trj 0.75 0.54 -0.519
lab*tce 0.625 0.75 0.878
lab*nce 0.0 0.75 0.878

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.75 (1.0)
cmyn3* 0.25 0.75 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.66 41.31 -23.84
LAB*LABa 55.66 41.31 -23.84
LAB*TCRa 50.0 47.7 330.0

relative CIELAB lab*
lab*lab 0.583 0.433 -0.249
lab*tch 0.5 0.5 0.917
lab*nch 0.25 0.5 0.917
relative Natural Colour (NC)
lab*trj 0.583 0.36 -0.346
lab*tce 0.5 0.5 0.878
lab*nce 0.25 0.5 0.878

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 39.76 20.66 -11.92
LAB*LABa 39.76 20.66 -11.92
LAB*TCRa 37.5 23.85 330.0

relative CIELAB lab*
lab*lab 0.417 0.217 -0.124
lab*tch 0.375 0.25 0.917
lab*nch 0.5 0.25 0.917
relative Natural Colour (NC)
lab*trj 0.417 0.19 -0.172
lab*tce 0.375 0.25 0.878
lab*nce 0.5 0.25 0.878

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 15.91 20.65 -11.91
LAB*LABa 15.91 20.65 -11.91
LAB*TCRa 12.5 23.84 330.0

relative CIELAB lab*
lab*lab 0.167 0.216 -0.124
lab*tch 0.25 0.5 0.917
lab*nch 0.75 0.25 0.917
relative Natural Colour (NC)
lab*trj 0.167 0.19 -0.172
lab*tce 0.25 0.5 0.878
lab*nce 0.75 0.25 0.878

$n^* = 0,25$

blackness n^*

0,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 359/360 = 0.996 (left)

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

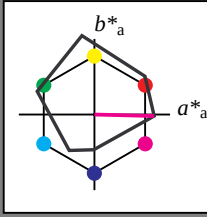
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.0 0.0
LAB*LABa 96.31 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 -0.44 2.45
LAB*LABa 76.38 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 -0.76 2.32
LAB*LABa 56.44 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 -1.09 2.19
LAB*LABa 36.5 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0.75

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.51 39.94 1.44
LAB*LABa 69.51 39.49 -0.97
LAB*TCHa 75.0 39.51 358.58

relative CIELAB lab*
lab*lab 0.832 0.25 -0.005
lab*tch 0.875 0.25 -0.996
lab*nch 0.0 0.25 0.996
relative Natural Colour (NC)
lab*trj 0.832 0.25 -0.005
lab*tce 0.875 0.25 -0.996
lab*nce 0.0 0.25 0.996

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 62.9 13.09 1.88
LAB*LABa 62.9 19.75 -0.48
LAB*TCHa 62.5 19.75 358.58

relative CIELAB lab*
lab*lab 0.582 0.25 -0.005
lab*tch 0.625 0.25 0.996
lab*nch 0.25 0.25 0.996
relative Natural Colour (NC)
lab*trj 0.582 0.25 -0.005
lab*tce 0.625 0.25 0.996
lab*nce 0.25 0.25 0.996

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.57 39.5 -0.97
LAB*LABa 49.57 39.51 358.58

relative CIELAB lab*
lab*lab 0.414 0.5 -0.011
lab*tch 0.457 0.5 0.996
lab*nch 0.25 0.5 0.996
relative Natural Colour (NC)
lab*trj 0.414 0.5 -0.011
lab*tce 0.457 0.5 0.996
lab*nce 0.25 0.5 0.996

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.5 0.75 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 29.64 38.29 1.18
LAB*LABa 29.64 39.49 -0.97
LAB*TCHa 25.01 39.51 358.58

relative CIELAB lab*
lab*lab 0.164 0.5 -0.011
lab*tch 0.25 0.5 0.996
lab*nch 0.25 0.5 0.996
relative Natural Colour (NC)
lab*trj 0.164 0.5 -0.011
lab*tce 0.25 0.5 0.996
lab*nce 0.25 0.5 0.996

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.1 18.43 1.62
LAB*LABa 23.1 19.74 -0.48
LAB*TCHa 12.5 19.75 358.58

relative CIELAB lab*
lab*lab 0.082 0.25 -0.005
lab*tch 0.125 0.25 0.996
lab*nch 0.75 0.25 0.996
relative Natural Colour (NC)
lab*trj 0.082 0.25 -0.005
lab*tce 0.125 0.25 0.996
lab*nce 0.75 0.25 0.996

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

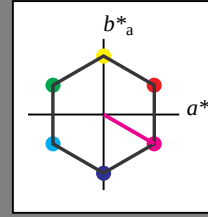
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.5 33.51 -19.34
LAB*LABa 82.5 33.51 -19.34
LAB*TCHa 75.0 36.69 330.0

relative CIELAB lab*
lab*lab 0.833 0.433 -0.249
lab*tch 0.75 0.2 0.917
lab*nch 0.0 0.5 0.917
relative Natural Colour (NC)
lab*trj 0.833 0.433 -0.249
lab*tce 0.75 0.2 0.917
lab*nce 0.0 0.5 0.917

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.61 16.76 -9.67
LAB*LABa 69.61 16.76 -9.67
LAB*TCHa 62.5 19.35 330.0

relative CIELAB lab*
lab*lab 0.667 0.217 -0.124
lab*tch 0.625 0.25 0.917
lab*nch 0.25 0.25 0.917
relative Natural Colour (NC)
lab*trj 0.667 0.217 -0.124
lab*tce 0.625 0.25 0.917
lab*nce 0.25 0.25 0.917

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

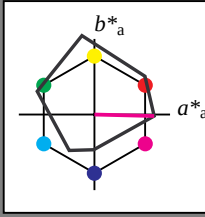
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	1.0
cmyn4*	0.0	0.5	0.0	0.0

standard and adapted CIELAB

LAB*LAB	69.51	39.94	1.44
LAB*LABa	69.51	39.49	-0.97
LAB*TCRa	75.0	39.51	358.58

relative CIELAB lab*

lab*lab	0.832	0.25	-0.005
lab*tch	0.875	0.25	0.996
lab*nch	0.0	0.25	0.996

relative Natural Colour (NC)

lab*trj	0.832	0.25	-0.005
lab*tce	0.25	0.25	0.944
lab*nce	0.0	0.25	0.944

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	1.0
cmyn4*	0.0	0.5	0.0	0.25

standard and adapted CIELAB

LAB*LAB	49.57	39.5	-0.97
LAB*LABa	49.57	39.5	-0.97
LAB*TCRa	50.0	39.51	358.58

relative CIELAB lab*

lab*lab	0.582	0.25	-0.005
lab*tch	0.625	0.25	0.996
lab*nch	0.25	0.25	0.996

relative Natural Colour (NC)

lab*trj	0.582	0.25	-0.005
lab*tce	0.625	0.25	0.944
lab*nce	0.25	0.25	0.944

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	1.0	0.25	1.0	1.0
cmyn4*	0.0	0.25	0.0	0.5

standard and adapted CIELAB

LAB*LAB	43.04	18.76	1.75
LAB*LABa	43.04	18.76	1.75
LAB*TCRa	37.5	19.76	358.58

relative CIELAB lab*

lab*lab	0.332	0.25	-0.005
lab*tch	0.375	0.25	0.996
lab*nch	0.25	0.25	0.996

relative Natural Colour (NC)

lab*trj	0.332	0.25	-0.005
lab*tce	0.375	0.25	0.944
lab*nce	0.25	0.25	0.944

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.25	(0.0)
olvi4*	1.0	0.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	29.64	38.29	1.18
LAB*LABa	29.64	38.29	1.18
LAB*TCRa	25.01	39.51	358.58

relative CIELAB lab*

lab*lab	0.164	0.5	-0.011
lab*tch	0.25	0.5	0.996
lab*nch	0.5	0.5	0.996

relative Natural Colour (NC)

lab*trj	0.164	0.5	-0.011
lab*tce	0.25	0.5	0.944
lab*nce	0.5	0.5	0.944

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

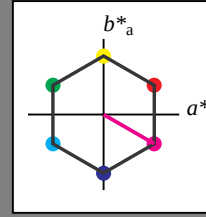
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	1.0
cmyn4*	0.0	0.5	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.06	33.51	-19.34
LAB*LABa	76.06	33.51	-19.34
LAB*TCRa	75.0	38.69	330.0

relative CIELAB lab*

lab*lab	0.75	0.433	-0.249
lab*tch	0.75	0.5	0.917
lab*nch	0.0	0.5	0.917

relative Natural Colour (NC)

lab*trj	0.75	0.433	-0.249
---------	------	-------	--------

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

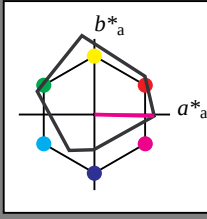
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 359/360 = 0.996 (left)

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.51	39.94	1.44
LAB*LABa	69.51	39.49	-0.97
LAB*LABb	75.0	39.51	358.58

relative CIELAB lab*

lab*lab	0.832	0.25	-0.005
lab*tch	0.875	0.25	0.996
lab*nch	0.0	0.25	0.996

relative Natural Colour (NC)

lab*trj	0.832	0.25	-0.005
lab*tce	0.25	0.25	0.944
lab*nce	0.0	0.25	0.944

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	49.57	39.62	1.3
LAB*LABa	49.57	39.5	-0.97
LAB*LABb	50.0	39.51	358.58

relative CIELAB lab*

lab*lab	0.582	0.25	-0.005
lab*tch	0.625	0.25	0.996
lab*nch	0.0	0.25	0.996

relative Natural Colour (NC)

lab*trj	0.582	0.25	-0.005
lab*tce	0.25	0.25	0.944
lab*nce	0.0	0.25	0.944

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	1.0	0.25	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	43.04	18.76	1.75
LAB*LABa	43.04	18.75	-0.48
LAB*LABb	37.5	19.76	358.58

relative CIELAB lab*

lab*lab	0.332	0.25	-0.005
lab*tch	0.375	0.25	0.996
lab*nch	0.0	0.25	0.996

relative Natural Colour (NC)

lab*trj	0.332	0.25	-0.005
lab*tce	0.25	0.25	0.944
lab*nce	0.0	0.25	0.944

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	1.0	0.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	29.64	38.29	1.18
LAB*LABa	29.64	38.49	-0.97
LAB*LABb	25.01	39.51	358.58

relative CIELAB lab*

lab*lab	0.164	0.5	-0.011
lab*tch	0.25	0.5	0.996
lab*nch	0.0	0.5	0.996

relative Natural Colour (NC)

lab*trj	0.164	0.5	-0.011
lab*tce	0.25	0.5	0.944
lab*nce	0.0	0.5	0.944

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

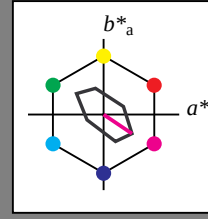
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.41	0.0	0.0
LAB*LABa	96.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	42.71	79.99	0.28
LAB*LABa	42.71	79.99	-1.95
LAB*LABb	50.0	79.01	358.58

relative CIELAB lab*

lab*lab	0.496	0.75	-0.018
lab*tch	0.625	0.75	0.996
lab*nch	0.0	0.75	0.996

relative Natural Colour (NC)

lab*trj	0.496	0.75	-0.018
lab*tce	0.625	0.75	0.944
lab*nce	0.0	0.75	0.944

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	25.0	0.0	0.0
LAB*LABa	25.0	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	0.0	0.0
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

5 step scales for constant CIELAB hue 326/360 = 0.906 (right)

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	0.75	0.75
--------	------	------

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

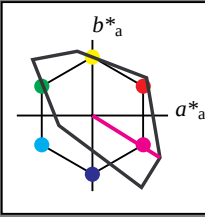
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCRa	0.01	0.0	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	77.81	44.66	-27.82	
LAB*LABa	77.81	44.66	-27.82	
LAB*TCRa	75.0	52.62	328.06	
relative CIELAB lab*				
lab*lab	0.882	0.212	-0.131	
lab*lab	0.875	0.25	0.911	
lab*lab	0.875	0.25	0.911	
relative Natural Colour (NC)				
lab*lab	0.882	0.212	-0.131	
lab*lab	0.875	0.25	0.911	
lab*lab	0.875	0.25	0.911	

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	68.66	22.33	-13.91	
LAB*LABa	68.66	22.33	-13.91	
LAB*TCRa	62.5	26.32	328.06	
relative CIELAB lab*				
lab*lab	0.632	0.212	-0.131	
lab*lab	0.625	0.25	0.911	
lab*lab	0.625	0.25	0.911	
relative Natural Colour (NC)				
lab*lab	0.632	0.212	-0.131	
lab*lab	0.625	0.25	0.911	
lab*lab	0.625	0.25	0.911	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	57.86	44.67	-27.83	
LAB*LABa	57.86	44.67	-27.83	
LAB*TCRa	50.0	52.63	328.06	
relative CIELAB lab*				
lab*lab	0.515	0.424	-0.263	
lab*lab	0.515	0.424	-0.263	
lab*lab	0.515	0.424	-0.263	
relative Natural Colour (NC)				
lab*lab	0.515	0.424	-0.263	
lab*lab	0.515	0.424	-0.263	
lab*lab	0.515	0.424	-0.263	

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.5	0.75	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	38.51	44.66	-27.82	
LAB*LABa	38.51	44.66	-27.82	
LAB*TCRa	25.01	52.62	328.06	
relative CIELAB lab*				
lab*lab	0.265	0.424	-0.263	
lab*lab	0.265	0.424	-0.263	
lab*lab	0.265	0.424	-0.263	
relative Natural Colour (NC)				
lab*lab	0.265	0.424	-0.263	
lab*lab	0.265	0.424	-0.263	
lab*lab	0.265	0.424	-0.263	

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

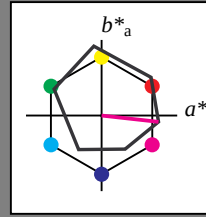
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	0.61	3.44	
LAB*LABa	76.06	0.61	3.44	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*TCRo	50.0	0.0	0.1	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*ch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*nc	0.5	0.0	-	
lab*nce	0.5	0.0	-	

lab*tch* and *lab*nch



<i>lab*lab</i>	0.0	0.0	0.0
<i>lab*tch</i>	0.0	0.0	–
<i>lab*ncH</i>	1.0	0.0	–
relative Natural Colour (NC)			
<i>lab*lrj</i>	0.0	0.0	0.0
<i>lab*tce</i>	0.0	0.0	–
<i>lab*ncE</i>	1.0	0.0	–

$n^* = 10$

$$n^* = 1,0$$

TLS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$$g^*_{H,rel} = 22$$
$$g^*_{C,rel} = 40$$

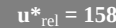
1,00

0,75

$$n^* = 0,50$$
blackness n^*

chromaticness c

*lab*tch* and *lab*nch*



relative Inform. Technology (IT)			
<i>olvi3*</i>	0.0	0.0	0.0 (1.0)
<i>cmyn3*</i>	1.0	1.0	1.0 (0.0)
<i>olvi4*</i>	1.0	1.0	1.0 (0.0)
<i>cmyn4*</i>	0.0	0.0	0.0 (1.0)
standard and adapted CIELAB			
LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHa	0.01	0.01	-
relative CIELAB lab*			

$$n^* = 1,0$$

TLS00; adapted (a) CIELAB data					
	L^*_{a}	a^*_{a}	b^*_{a}	$C^*_{\text{ab,a}}$	$h^*_{\text{ab,a}}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
E _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$$g^*_{H,rel} = 20$$
$$g^*_{C,rel} = 37$$

	B_{lab}^*	n^*
5	0.425	-0.262
	0.5	0.912
	0.5	0.912
	Colour (NC)	
5	0.352	-0.354
	0.5	0.874
	0.5	b49r

$$n^* = 0,50$$
blackness n^* chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 328/360 = 0.911 (left)

5 step scales for constant CIELAB hue $328/360 = 0.912$ (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

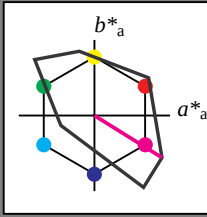
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*LABb	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*LABb	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*LABb	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*LABb	0.01	0.0	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	77.21	44.66	-27.82	
LAB*LABa	77.21	44.66	-27.82	
LAB*LABb	75.0	52.62	328.06	
relative CIELAB lab*				
lab*lab	0.882	0.212	-0.131	
lab*lab	0.882	0.212	-0.131	
lab*lab	0.882	0.212	-0.131	
relative Natural Colour (NC)				
lab*lab	0.882	0.212	-0.131	
lab*lab	0.882	0.212	-0.131	
lab*lab	0.882	0.212	-0.131	

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	66.96	22.33	-13.91	
LAB*LABa	66.96	22.33	-13.91	
LAB*LABb	62.5	26.32	328.06	
relative CIELAB lab*				
lab*lab	0.632	0.212	-0.131	
lab*lab	0.632	0.212	-0.131	
lab*lab	0.632	0.212	-0.131	
relative Natural Colour (NC)				
lab*lab	0.632	0.212	-0.131	
lab*lab	0.632	0.212	-0.131	
lab*lab	0.632	0.212	-0.131	

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	1.0	0.25	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.61	22.33	-13.91	
LAB*LABa	47.61	22.33	-13.91	
LAB*LABb	37.5	26.32	328.06	
relative CIELAB lab*				
lab*lab	0.382	0.212	-0.131	
lab*lab	0.382	0.212	-0.131	
lab*lab	0.382	0.212	-0.131	
relative Natural Colour (NC)				
lab*lab	0.382	0.212	-0.131	
lab*lab	0.382	0.212	-0.131	
lab*lab	0.382	0.212	-0.131	

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	1.0	0.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	28.26	22.32	-13.9	
LAB*LABa	28.26	22.32	-13.9	
LAB*LABb	12.5	26.31	328.06	
relative CIELAB lab*				
lab*lab	0.132	0.212	-0.131	
lab*lab	0.132	0.212	-0.131	
lab*lab	0.132	0.212	-0.131	
relative Natural Colour (NC)				
lab*lab	0.132	0.212	-0.131	
lab*lab	0.132	0.212	-0.131	
lab*lab	0.132	0.212	-0.131	

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	68.11	66.99	-41.74	
LAB*LABa	68.11	66.99	-41.74	
LAB*LABb	62.5	78.94	328.06	
relative CIELAB lab*				
lab*lab	0.647	0.636	-0.396	
lab*lab	0.647	0.636	-0.396	
lab*lab	0.647	0.636	-0.396	
relative Natural Colour (NC)				
lab*lab	0.647	0.636	-0.396	
lab*lab	0.647	0.636	-0.396	
lab*lab	0.647	0.636	-0.396	

relative Inform. Technology (IT)				
olvi3*	0.75	0.25	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	1.0	0.25	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	57.86	44.67	-27.83	
LAB*LABa	57.86	44.67	-27.83	
LAB*LABb	50.0	52.63	328.06	
relative CIELAB lab*				
lab*lab	0.515	0.424	-0.263	
lab*lab	0.515	0.424	-0.263	
lab*lab	0.515	0.424	-0.263	
relative Natural Colour (NC)				
lab*lab	0.515	0.424	-0.263	
lab*lab	0.515	0.424	-0.263	
lab*lab	0.515	0.424	-0.263	

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	1.0	0.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	38.51	44.66	-27.82	
LAB*LABa	38.51	44.66	-27.82	
LAB*LABb	25.01	52.62	328.06	
relative CIELAB lab*				
lab*lab	0.265	0.424	-0.263	
lab*lab	0.265	0.424	-0.263	
lab*lab	0.265	0.424	-0.263	
relative Natural Colour (NC)				
lab*lab	0.265	0.424	-0.263	
lab*lab	0.265	0.424	-0.263	
lab*lab	0.265	0.424	-0.263	

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	1.0	0.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	20.0	22.32	-13.9	
LAB*LABa	20.0	22.32	-13.9	
LAB*LABb	12.5	26.31	328.06	
relative CIELAB lab*				
lab*lab	0.132	0.212	-0.131	
lab*lab	0.132	0.212	-0.131	
lab*lab	0.132	0.212	-0.131	
relative Natural Colour (NC)				
lab*lab	0.132	0.212	-0.131	
lab*lab	0.132	0.212	-0.131	
lab*lab	0.132	0.212	-0.131	

$n^* = 0,50$

%Regularity

$g^*_{H,rel} = 22</$

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

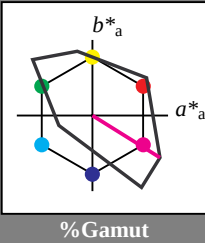
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TBCh	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TBCh	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TBCh	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TBCh	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TBCh	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 328/360 = 0.911 (left)

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	77.1	44.66	-27.82
LAB*LABa	77.21	44.66	-27.82
LAB*TBCh	75.0	52.62	328.06

relative CIELAB lab*

lab*lab	0.882	0.212	-0.131
lab*tch	0.875	0.25	0.911
lab*nch	0.0	0.25	0.911

relative Natural Colour (NC)

lab*trj	0.882	0.175	-0.177
lab*tce	0.875	0.25	0.874
lab*nce	0.0	0.25	0.874

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	57.86	44.67	-27.83
LAB*LABa	57.86	44.67	-27.83
LAB*TBCh	50.0	52.63	328.06

relative CIELAB lab*

lab*lab	0.647	0.636	-0.396
lab*tch	0.625	0.75	0.911
lab*nch	0.0	0.75	0.911

relative Natural Colour (NC)

lab*trj	0.647	0.526	-0.533
lab*tce	0.625	0.75	0.874
lab*nce	0.0	0.75	0.874

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.61	22.33	-13.91
LAB*LABa	47.61	22.33	-13.91
LAB*TBCh	37.5	26.32	328.06

relative CIELAB lab*

lab*lab	0.632	0.212	-0.131
lab*tch	0.625	0.25	0.911
lab*nch	0.0	0.25	0.911

relative Natural Colour (NC)

lab*trj	0.632	0.175	-0.177
lab*tce	0.625	0.25	0.874
lab*nce	0.0	0.25	0.874

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	1.0	0.25	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	38.51	44.66	-27.82
LAB*LABa	38.51	44.66	-27.82
LAB*TBCh	25.01	52.62	328.06

relative CIELAB lab*

lab*lab	0.515	0.424	-0.263
lab*tch	0.5	0.5	0.911
lab*nch	0.0	0.5	0.911

relative Natural Colour (NC)

lab*trj	0.515	0.351	-0.355
lab*tce	0.5	0.5	0.874
lab*nce	0.0	0.5	0.874

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

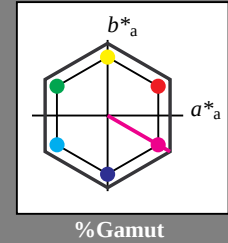
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TBCh	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TBCh	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TBCh	50.0	105.24	328.06

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TBCh	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TBCh	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0
--------	-----	-----	-----

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

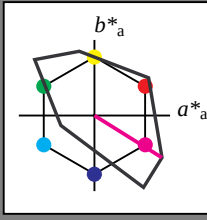
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	77.1	44.66	-27.82
LAB*LABa	77.21	44.66	-27.82
LAB*TCHa	75.0	52.62	328.06

relative CIELAB lab*

lab*lab	0.882	0.212	-0.131
lab*tch	0.875	0.25	0.911
lab*nch	0.0	0.5	0.911

relative Natural Colour (NC)

lab*trj	0.882	0.175	-0.177
lab*tce	0.875	0.25	0.874
lab*nce	0.0	0.25	0.874

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	57.86	44.67	-27.83
LAB*LABa	57.86	44.67	-27.83
LAB*TCHa	50.0	52.63	328.06

relative CIELAB lab*

lab*lab	0.632	0.212	-0.131
lab*tch	0.625	0.25	0.911
lab*nch	0.0	0.25	0.911

relative Natural Colour (NC)

lab*trj	0.632	0.175	-0.177
lab*tce	0.625	0.25	0.874
lab*nce	0.0	0.25	0.874

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	0.25	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.61	22.33	-13.91
LAB*LABa	47.61	22.33	-13.91
LAB*TCHa	37.5	26.32	328.06

relative CIELAB lab*

lab*lab	0.382	0.212	-0.131
lab*tch	0.375	0.25	0.911
lab*nch	0.0	0.25	0.911

relative Natural Colour (NC)

lab*trj	0.382	0.175	-0.177
lab*tce	0.375	0.25	0.874
lab*nce	0.0	0.25	0.874

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	1.0	0.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	38.51	44.66	-27.82
LAB*LABa	38.51	44.66	-27.82
LAB*TCHa	25.01	52.62	328.06

relative CIELAB lab*

lab*lab	0.265	0.212	-0.131
lab*tch	0.265	0.25	0.911
lab*nch	0.0	0.25	0.911

relative Natural Colour (NC)

lab*trj	0.265	0.175	-0.177
lab*tce	0.265	0.25	0.874
lab*nce	0.0	0.25	0.874

$n^* = 0,50$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

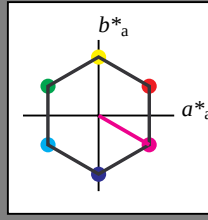
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

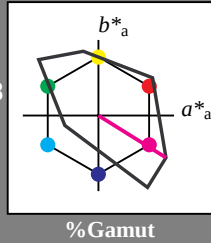
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.01	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	77.21	44.66	-27.82
LAB*LABa	77.21	44.66	-27.82
LAB*LABb	75.01	52.62	328.06

relative CIELAB lab*

lab*lab	0.882	0.212	-0.131
lab*tch	0.875	0.25	0.911
lab*nch	0.0	0.5	0.911

relative Natural Colour (NC)

lab*trj	0.882	0.175	-0.177
lab*tce	0.875	0.25	0.874
lab*nce	0.0	0.25	0.874

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	57.86	44.67	-27.83
LAB*LABa	57.86	44.67	-27.83
LAB*LABb	50.01	52.63	328.06

relative CIELAB lab*

lab*lab	0.632	0.212	-0.131
lab*tch	0.625	0.25	0.911
lab*nch	0.0	0.25	0.911

relative Natural Colour (NC)

lab*trj	0.632	0.175	-0.177
lab*tce	0.625	0.25	0.874
lab*nce	0.0	0.25	0.874

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	0.25	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.61	22.33	-13.91
LAB*LABa	47.61	22.33	-13.91
LAB*LABb	37.5	26.32	328.06

relative CIELAB lab*

lab*lab	0.382	0.212	-0.131
lab*tch	0.375	0.25	0.911
lab*nch	0.0	0.25	0.911

relative Natural Colour (NC)

lab*trj	0.382	0.175	-0.177
lab*tce	0.375	0.25	0.874
lab*nce	0.0	0.25	0.874

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	1.0	0.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	38.51	44.66	-27.82
LAB*LABa	38.51	44.66	-27.82
LAB*LABb	25.01	52.62	328.06

relative CIELAB lab*

lab*lab	0.265	0.212	-0.131
lab*tch	0.265	0.25	0.911
lab*nch	0.0	0.25	0.911

relative Natural Colour (NC)

lab*trj	0.265	0.175	-0.177
lab*tce	0.265	0.25	0.874
lab*nce	0.0	0.25	0.874

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

0,75

blackness n^*

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

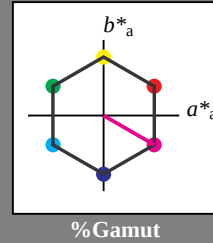
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.01	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$ </

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

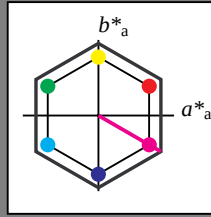
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.02	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*ch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	
LAB*TCRa	75.0	0.02	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*ch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*TCRa	50.0	0.02	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*ch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	
LAB*LABa	23.87	0.0	0.0	
LAB*TCRa	25.0	0.02	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*ch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCRa	0.01	0.02	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*nce	1.0	0.0	-	

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	79.41	0.1	23.84	
LAB*LABa	79.41	0.1	23.84	
LAB*TCRa	75.0	0.02	-	
relative CIELAB lab*				
lab*lab	0.917	0.216	-0.124	
lab*ch	0.875	0.25	0.917	
lab*nch	0.0	0.25	0.917	
relative Natural Colour (NC)				
lab*trj	0.917	0.18	-0.172	
lab*nce	0.875	0.25	0.878	

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	55.66	0.1	23.84	
LAB*LABa	55.66	0.1	23.84	
LAB*TCRa	50.0	0.02	-	
relative CIELAB lab*				
lab*lab	0.667	0.217	-0.124	
lab*ch	0.625	0.25	0.917	
lab*nch	0.0	0.25	0.917	
relative Natural Colour (NC)				
lab*trj	0.667	0.18	-0.172	
lab*nce	0.625	0.25	0.878	

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	1.0	0.25	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	39.76	0.06	-11.92	
LAB*LABa	39.76	0.06	-11.92	
LAB*TCRa	37.5	0.02	-	
relative CIELAB lab*				
lab*lab	0.417	0.217	-0.124	
lab*ch	0.375	0.25	0.917	
lab*nch	0.0	0.25	0.917	
relative Natural Colour (NC)				
lab*trj	0.417	0.18	-0.172	
lab*nce	0.375	0.25	0.878	

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	1.0	0.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	15.91	0.065	-11.91	
LAB*LABa	15.91	0.065	-11.91	
LAB*TCRa	12.5	0.02	-	
relative CIELAB lab*				
lab*lab	0.167	0.216	-0.124	
lab*ch	0.125	0.25	0.917	
lab*nch	0.0	0.25	0.917	
relative Natural Colour (NC)				
lab*trj	0.167	0.18	-0.172	
lab*nce	0.125	0.25	0.878	

$n^* = 0,50$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

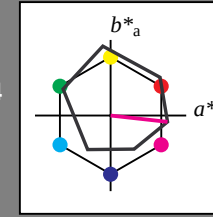
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.02	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*ch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	0.61	3.44	
LAB*LABa	76.06	0.61	3.44	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*ch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*nce	0.25	0.0	-	

	relative Inform. Technology (IT)				
	olvi3*	0.5	0.5	0.5	(1.0)
	cmyn3*	0.5	0.5	0.5	(0.0)
	olvi4	1.0	1.0	1.0	0.5
	cmyn4*	0.0	0.0	0.0	0.0
	standard and adapted CIELAB				
8	LAB*LAB	56.71	-0.24	2.14	
	LAB*LAB ₉₀	56.71	0.0	0.0	
	LAB*CbCr	50.0	0.01	-	
9	relative CIELAB lab				
	lab*lab	0.5	0.0*	0.0	
	lab*cb	0.5	0.0	0.0	
	lab*cb	0.5	0.0	0.0	
	relative Natural Colour (NC)				
2	lab*lab	0.5	0.0	0.0	
	lab*cb	0.5	0.0	0.0	
	lab*cb	0.5	0.0	0.0	
	relative Inform. Technology (IT)				

chromaticness c^*

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

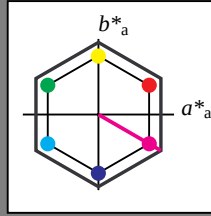
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	79.41	0.0	0.0
LAB*LABa	79.41	0.0	0.0
LAB*LABb	82.5	0.02	-

relative CIELAB lab*

lab*lab	0.917	0.216	-0.124
lab*tch	0.875	0.25	0.917
lab*nch	0.0	0.25	0.917

relative Natural Colour (NC)

lab*trj	0.917	0.18	-0.172
lab*tce	0.875	0.25	0.878
lab*nce	0.0	0.25	0.878

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	55.66	0.0	0.0
LAB*LABa	55.66	0.0	0.0
LAB*LABb	58.8	0.02	-

relative CIELAB lab*

lab*lab	0.667	0.217	-0.124
lab*tch	0.625	0.25	0.917
lab*nch	0.0	0.25	0.917

relative Natural Colour (NC)

lab*trj	0.667	0.18	-0.172
lab*tce	0.625	0.25	0.878
lab*nce	0.0	0.25	0.878

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	0.25	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	31.81	0.0	0.0
LAB*LABa	31.81	0.0	0.0
LAB*LABb	35.0	0.02	-

relative CIELAB lab*

lab*lab	0.583	0.433	-0.249
lab*tch	0.541	0.433	0.917
lab*nch	0.0	0.433	0.917

relative Natural Colour (NC)

lab*trj	0.583	0.36	-0.346
lab*tce	0.541	0.433	0.878
lab*nce	0.0	0.433	0.878

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	1.0	0.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	15.91	0.0	0.0
LAB*LABa	15.91	0.0	0.0
LAB*LABb	17.5	0.02	-

relative CIELAB lab*

lab*lab	0.167	0.216	-0.124
lab*tch	0.125	0.25	0.917
lab*nch	0.0	0.25	0.917

relative Natural Colour (NC)

lab*trj	0.167	0.18	-0.172
lab*tce	0.125	0.25	0.878
lab*nce	0.0	0.25	0.878

$n^* = 0,50$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

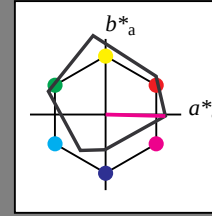
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	0.0	0.0
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	49.57	0.0	0.0
LAB*LABa	49.57	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.582	0.25	-0.095
lab*tch	0.541	0.25	0.996
lab*nch	0.0	0.25	0.996

relative Natural Colour (NC)

lab*trj	0.582	0.25	-0.095
lab*tce	0.541	0.25	0.944
lab*nce	0.0	0.25	0.944

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	25.0	0.0	0.0
LAB*LABa	25.0	0.0	0.0
LAB*LABb	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	0.0	0.0
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

0,25

0,50

0,75

1,00

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.51	0.0	0.0
LAB*LABa	69.51	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.832	0.25	-0.095
lab*tch	0.875	0.25	0.996
lab*nch	0.0	0.25	0.996

relative Natural Colour (NC)

lab*trj	0.832	0.25	-0.095
lab*tce	0.875	0.25	0.944
lab*nce	0.0	0.25	0.944

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)</

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

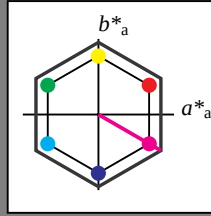
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.02	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	0.0
LAB*LABa	71.57	0.0	0.0	0.0
LAB*TCRa	75.0	0.02	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	0.0
LAB*LABa	47.72	0.0	0.0	0.0
LAB*TCRa	50.0	0.02	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	0.0
LAB*LABa	23.87	0.0	0.0	0.0
LAB*TCRa	25.0	0.02	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	-	-
lab*nce	0.75	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0
LAB*TCRa	0.01	0.02	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	0.0
cmyn4*	0.0	0.5	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	79.4	41.3	23.84	0.0
LAB*LABa	79.4	41.3	-23.84	0.0
LAB*TCRa	75.0	47.69	330.0	0.0
relative CIELAB lab*				
lab*lab	0.833	0.433	-0.249	0.0
lab*tch	0.75	0.5	0.917	0.0
lab*nch	0.0	0.5	0.917	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.36	0.936	0.0
lab*tce	0.5	0.5	0.878	0.0
lab*nce	0.0	0.5	0.878	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	0.0
cmyn4*	0.0	0.5	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	71.57	61.96	-35.76	0.0
LAB*LABa	71.57	61.96	-35.76	0.0
LAB*TCRa	62.5	71.54	330.0	0.0
relative CIELAB lab*				
lab*lab	0.75	0.649	-0.374	0.0
lab*tch	0.625	0.75	0.917	0.0
lab*nch	0.0	0.75	0.917	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.519	0.936	0.0
lab*tce	0.625	0.75	0.878	0.0
lab*nce	0.0	0.75	0.878	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	1.0	0.5	1.0	0.0
cmyn4*	0.0	0.5	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	55.66	41.31	-23.84	0.0
LAB*LABa	55.66	41.31	-23.84	0.0
LAB*TCRa	50.0	47.69	330.0	0.0
relative CIELAB lab*				
lab*lab	0.583	0.433	-0.249	0.0
lab*tch	0.5	0.5	0.917	0.0
lab*nch	0.0	0.5	0.917	0.0
relative Natural Colour (NC)				
lab*trj	0.583	0.36	0.936	0.0
lab*tce	0.5	0.5	0.878	0.0
lab*nce	0.0	0.5	0.878	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.25	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	47.71	61.96	-35.76	0.0
LAB*LABa	47.71	61.96	-35.76	0.0
LAB*TCRa	37.5	71.54	330.0	0.0
relative CIELAB lab*				
lab*lab	0.5	0.649	-0.374	0.0
lab*tch	0.375	0.75	0.917	0.0
lab*nch	0.0	0.75	0.917	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.519	0.936	0.0
lab*tce	0.375	0.75	0.878	0.0
lab*nce	0.0	0.75	0.878	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	0.5	(1.0)
cmyn3*	0.5	1.0	0.5	(0.0)
olvi4*	1.0	0.5	1.0	0.0
cmyn4*	0.0	0.5	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	31.81	41.3	-23.84	0.0
LAB*LABa	31.81	41.3	-23.84	0.0
LAB*TCRa	25.0	47.69	330.0	0.0
relative CIELAB lab*				
lab*lab	0.333	0.433	-0.249	0.0
lab*tch	0.25	0.5	0.917	0.0
lab*nch	0.0	0.5	0.917	0.0
relative Natural Colour (NC)				
lab*trj	0.333	0.36	0.936	0.0
lab*tce	0.25	0.5	0.878	0.0
lab*nce	0.0	0.5	0.878	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	1.0	0.75	(0.0)
olvi4*	1.0	0.75	1.0	0.0
cmyn4*	0.0	0.25	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	15.91	20.65	-11.91	0.0
LAB*LABa	15.91	20.65	-11.91	0.0
LAB*TCRa	12.5	23.84	330.0	0.0
relative CIELAB lab*				
lab*lab	0.167	0.216	-0.124	0.0
lab*tch	0.125	0.25	0.917	0.0
lab*nch	0.0	0.25	0.917	0.0
relative Natural Colour (NC)				
lab*trj	0.167	0.18	0.936	0.0
lab*tce	0.125	0.25	0.878	0.0
lab*nce	0.0	0.25	0.878	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0
LAB*TCRa	0.01	0.02	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	0.0

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

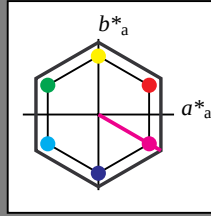
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

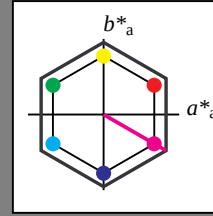
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

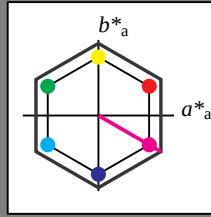
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCBa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCBa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCBa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCBa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCBa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.833 0.433 -0.249
lab*tch 0.75 0.5 0.917
lab*nch 0.0 0.5 0.917
relative Natural Colour (NC)
lab*trj 0.75 0.5 0.917
lab*tce 0.0 0.5 0.878
lab*nce 0.0 0.5 0.878

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.75 (1.0)
cmyn3* 0.25 0.75 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.66 41.31 -23.84
LAB*LABa 55.66 41.31 -23.84
LAB*TCBa 50.0 47.7 330.0

relative CIELAB lab*
lab*lab 0.583 0.433 -0.249
lab*tch 0.625 0.25 0.917
lab*nch 0.0 0.25 0.917
relative Natural Colour (NC)
lab*trj 0.583 0.36 -0.346
lab*tce 0.5 0.25 0.878
lab*nce 0.25 0.25 0.878

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 31.81 41.3 -23.84
LAB*LABa 31.81 41.3 -23.84
LAB*TCBa 25.01 47.69 330.0

relative CIELAB lab*
lab*lab 0.333 0.433 -0.249
lab*tch 0.25 0.5 0.917
lab*nch 0.0 0.5 0.917
relative Natural Colour (NC)
lab*trj 0.333 0.36 -0.346
lab*tce 0.25 0.5 0.878
lab*nce 0.25 0.5 0.878

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

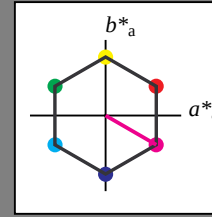
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCBa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.72 0.0 0.0
LAB*LABa 46.72 0.0 0.0
LAB*TCBa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCBa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCBa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCBa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.833 0.433 -0.249
lab*tch 0.75 0.5 0.917
lab*nch 0.0 0.5 0.917
relative Natural Colour (NC)
lab*trj 0.75 0.5 0.917
lab*tce 0.0 0.5 0.878
lab*nce 0.0 0.5 0.878

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.75 (1.0)
cmyn3* 0.25 0.75 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.66 41.31 -23.84
LAB*LABa 55.66 41.31 -23.84
LAB*TCBa 50.0 47.7 330.0

relative CIELAB lab*
lab*lab 0.583 0.433 -0.249
lab*tch 0.625 0.25 0.917
lab*nch 0.0 0.25 0.917
relative Natural Colour (NC)
lab*trj 0.583 0.36 -0.346
lab*tce 0.5 0.25 0.878
lab*nce 0.25 0.25 0.878

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 31.81 41.3 -23.84
LAB*LABa 31.81 41.3 -23.84
LAB*TCBa 25.01 47.69 330.0

relative CIELAB lab*
lab*lab 0.333 0.433 -0.249
lab*tch 0.25 0.5 0.917
lab*nch 0.0 0.5 0.917
relative Natural Colour (NC)
lab*trj 0.333 0.36 -0.346
lab*tce 0.25 0.5 0.878
lab*nce 0.25 0.5 0.878

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCBa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

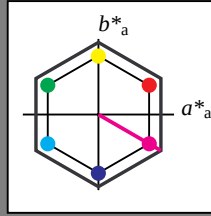
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCBa	99.99	0.02	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	
LAB*TCBa	75.0	0.02	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*TCBa	50.0	0.02	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	
LAB*LABa	23.87	0.0	0.0	
LAB*TCBa	25.0	0.02	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCBa	0.01	0.02	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	1.0	0.75	1.0	(1.0)
cmyn3*	0.0	0.25	0.0	(0.0)
olvi4*	1.0	0.75	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	87.45	20.65	-11.91	
LAB*LABa	87.45	20.65	-11.91	
LAB*TCBa	87.5	23.84	330.0	
relative CIELAB lab*				
lab*lab	0.917	0.216	-0.124	
lab*tch	0.875	0.25	0.917	
lab*nch	0.0	0.25	0.917	
relative Natural Colour (NC)				
lab*trj	0.917	0.18	-0.172	
lab*tce	0.875	0.25	0.878	
lab*nce	0.0	0.25	0.917	

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.75	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	63.61	20.66	-11.92	
LAB*LABa	63.61	20.66	-11.92	
LAB*TCBa	62.5	23.85	330.0	
relative CIELAB lab*				
lab*lab	0.667	0.217	-0.124	
lab*tch	0.625	0.25	0.917	
lab*nch	0.0	0.25	0.917	
relative Natural Colour (NC)				
lab*trj	0.667	0.18	-0.172	
lab*tce	0.625	0.25	0.878	
lab*nce	0.0	0.25	0.917	

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	39.76	20.66	-11.92	
LAB*LABa	39.76	20.66	-11.92	
LAB*TCBa	37.5	23.85	330.0	
relative CIELAB lab*				
lab*lab	0.417	0.217	-0.124	
lab*tch	0.375	0.25	0.917	
lab*nch	0.0	0.25	0.917	
relative Natural Colour (NC)				
lab*trj	0.417	0.18	-0.172	
lab*tce	0.375	0.25	0.878	
lab*nce	0.0	0.25	0.917	

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	1.0	0.75	(0.0)
olvi4*	1.0	0.75	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	15.91	20.65	-11.91	
LAB*LABa	15.91	20.65	-11.91	
LAB*TCBa	12.5	23.84	330.0	
relative CIELAB lab*				
lab*lab	0.167	0.216	-0.124	
lab*tch	0.125	0.25	0.917	
lab*nch	0.75	0.25	0.917	
relative Natural Colour (NC)				
lab*trj	0.167	0.18	-0.172	
lab*tce	0.125	0.25	0.878	
lab*nce	0.75	0.25	0.917	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCBa	0.01	0.02	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 1,0$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

$n^* = 5,25$

$n^* = 5,50$

$n^* = 5,75$

$n^* = 6,00$

$n^* = 6,25$

$n^* = 6,50$

$n^* = 6,75$

$n^* = 7,00$

$n^* = 7,25$

$n^* = 7,50$

$n^* = 7,75$

$n^* = 8,00$

$n^* = 8,25$

$n^* = 8,50$

$n^* = 8,75$

$n^* = 9,00$

$n^* = 9,25$

$n^* = 9,50$

$n^* = 9,75$

$n^* = 10,00$

$n^* = 10,25$

$n^* = 10,50$

$n^* = 10,75$

$n^* = 11,00$

$n^* = 11,25$

$n^* = 11,50$

$n^* = 11,75$

$n^* = 12,00$

$n^* = 12,25$

$n^* = 12,50$

$n^* = 12,75$

$n^* = 13,00$

$n^* = 13,25$

$n^* = 13,50$

$n^* = 13,75$

$n^* = 14,00$

$n^* = 14,25$

$n^* = 14,50$

$n^* = 14,75$

$n^* = 15,00$

$n^* = 15,25$

$n^* = 15,50$

$n^* = 15,75$

$n^* = 16,00$

$n^* = 16,25$

$n^* = 16,50$

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

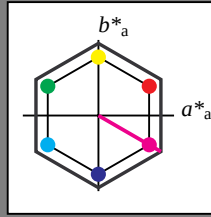
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCHa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCHa	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCHa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	79.41	0.0	0.0
LAB*LABa	79.41	0.0	0.0
LAB*TCHa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.917	0.216	-0.124
lab*tch	0.875	0.25	0.917
lab*nch	0.0	0.25	0.917

relative Natural Colour (NC)

lab*trj	0.917	0.18	-0.172
lab*tce	0.875	0.25	0.878
lab*nce	0.0	0.25	0.878

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	55.66	0.0	0.0
LAB*LABa	55.66	0.0	0.0
LAB*TCHa	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.667	0.217	-0.124
lab*tch	0.625	0.25	0.917
lab*nch	0.0	0.25	0.917

relative Natural Colour (NC)

lab*trj	0.667	0.18	-0.172
lab*tce	0.625	0.25	0.878
lab*nce	0.0	0.25	0.878

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	0.25	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	39.76	0.0	0.0
LAB*LABa	39.76	0.0	0.0
LAB*TCHa	37.5	0.02	-

relative CIELAB lab*

lab*lab	0.583	0.433	-0.249
lab*tch	0.575	0.25	0.917
lab*nch	0.0	0.25	0.917

relative Natural Colour (NC)

lab*trj	0.583	0.36	-0.346
lab*tce	0.5	0.25	0.878
lab*nce	0.0	0.25	0.878

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	1.0	0.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCHa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.333	0.433	-0.249
lab*tch	0.25	0.0	0.917
lab*nch	0.0	0.0	0.917

relative Natural Colour (NC)

lab*trj	0.25	0.33	-0.346
lab*tce	0.25	0.0	0.878
lab*nce	0.0	0.0	0.878

$n^* = 0,50$

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

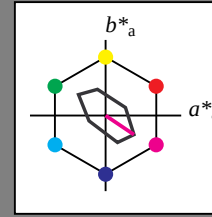
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*TCHa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	63.61	0.0	0.0
LAB*LABa	63.61	0.0	0.0
LAB*TCHa	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCHa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	86.35	18.76	-12.61
LAB*LABa	86.35	18.76	-12.61
LAB*TCHa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.836	0.207	-0.138
lab*tch	0.875	0.25	0.906
lab*nch	0.0	0.25	0.906

relative Natural Colour (NC)

lab*trj	0.836	0.17	-0.182
lab*tce	0.875	0.25	0.869
lab*nce	0.0	0.25	0.869

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	1.0	0.5	1.0	0.75
cmyn4*	0.0	0.5	0.0	0.25

standard and adapted CIELAB

LAB*LAB	80.53	18.76	-12.61
LAB*LAB	80.53	18.76	-12.61
LAB*ChTChA	50.0	22.61	326.07

relative CIELAB lab*

lab*lab	0.421	0.415	-0.278
lab*ch	0.5	0.5	0.906
lab*nch	0.25	0.5	0.906

relative Natural Colour (NC)

lab*lrj	0.421	0.341	-0.365
lab*tee	0.5	0.5	0.869
lab*tee	0.5	0.5	0.869

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

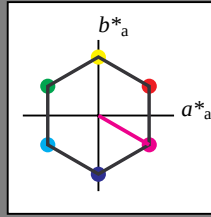
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*LABa \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*LABa \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*LABa \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.75 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	43.81	67.03	38.7	77.4	30
YMa	69.61	0.0	77.4	77.4	90
LMa	43.81	-67.02	38.7	77.4	150
CMa	69.61	-67.02	-38.69	77.4	210
VMa	43.81	0.0	-77.39	77.4	270
MMa	69.61	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 82.14 \ 0.0 \ 0.0$
 $LAB^*LABa \ 82.14 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.833 \ 0.433 \ -0.249$
 $lab^*tch \ 0.75 \ 0.5 \ 0.917$
 $lab^*nch \ 0.0 \ 0.5 \ 0.917$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.5 \ 0.917$
 $lab^*tce \ 0.5 \ 0.5 \ 0.878$
 $lab^*nce \ 0.0 \ 0.5 \ 0.878$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 63.16 \ 0.0 \ 0.0$
 $LAB^*LABa \ 63.16 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.583 \ 0.433 \ -0.249$
 $lab^*tch \ 0.583 \ 0.5 \ 0.917$
 $lab^*nch \ 0.0 \ 0.5 \ 0.917$
 relative Natural Colour (NC)
 $lab^*trj \ 0.583 \ 0.5 \ 0.917$
 $lab^*tce \ 0.5 \ 0.5 \ 0.878$
 $lab^*nce \ 0.0 \ 0.5 \ 0.878$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.0 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.0 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 43.81 \ 0.0 \ 0.0$
 $LAB^*LABa \ 43.81 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.333 \ 0.433 \ -0.249$
 $lab^*tch \ 0.25 \ 0.5 \ 0.917$
 $lab^*nch \ 0.0 \ 0.5 \ 0.917$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.5 \ 0.917$
 $lab^*tce \ 0.25 \ 0.5 \ 0.878$
 $lab^*nce \ 0.0 \ 0.5 \ 0.878$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.0 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.0 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.75 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 30.91 \ 0.0 \ 0.0$
 $LAB^*LABa \ 30.91 \ 0.0 \ 0.0$
 $LAB^*TCha \ 12.5 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.167 \ 0.216 \ -0.124$
 $lab^*tch \ 0.125 \ 0.25 \ 0.917$
 $lab^*nch \ 0.0 \ 0.25 \ 0.917$
 relative Natural Colour (NC)
 $lab^*trj \ 0.167 \ 0.18 \ -0.172$
 $lab^*tce \ 0.125 \ 0.25 \ 0.878$
 $lab^*nce \ 0.0 \ 0.25 \ 0.878$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

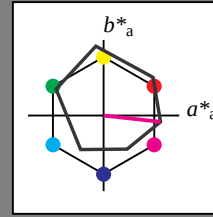
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.06 \ 0.0 \ 0.0$
 $LAB^*LABa \ 76.06 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.71 \ 0.0 \ 0.0$
 $LAB^*LABa \ 56.71 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.36 \ 0.0 \ 0.0$
 $LAB^*LABa \ 37.36 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.75 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.02 \ 0.0 \ 0.0$
 $LAB^*LABa \ 18.02 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
LMa	50.9	-62.83	34.96	71.91	151
CMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
MMa	48.13	75.28	-8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	-2.16	67.76	67.79	92
GCIE	52.23	-42.25	11.76	43.87	164
BCIE	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.77 \ 0.0 \ 0.0$
 $LAB^*LABa \ 71.77 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.695 \ 0.497 \ -0.054$
 $lab^*tch \ 0.75 \ 0.5 \ 0.982$
 $lab^*nch \ 0.0 \ 0.5 \ 0.982$
 relative Natural Colour (NC)
 $lab^*trj \ 0.695 \ 0.454 \ -0.082$
 $lab^*tce \ 0.5 \ 0.5 \ 0.932$
 $lab^*nce \ 0.0 \ 0.5 \ 0.932$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 64.24 \ 0.0 \ 0.0$
 $LAB^*LABa \ 64.24 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.597 \ 0.248 \ -0.027$
 $lab^*tch \ 0.625 \ 0.25 \ 0.982$
 $lab^*nch \ 0.0 \ 0.25 \ 0.982$
 relative Natural Colour (NC)
 $lab^*trj \ 0.597 \ 0.227 \ -0.103$
 $lab^*tce \ 0.625 \ 0.25 \ 0.932$
 $lab^*nce \ 0.0 \ 0.25 \ 0.932$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.25 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 52.42 \ 0.0 \ 0.0$
 $LAB^*LABa \ 52.42 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.445 \ 0.497 \ -0.054$
 $lab^*tch \ 0.445 \ 0.5 \ 0.982$
 $lab^*nch \ 0.0 \ 0.5 \ 0.982$
 relative Natural Colour (NC)
 $lab^*trj \ 0.445 \ 0.454 \ -0.082$
 $lab^*tce \ 0.5 \ 0.5 \ 0.932$
 $lab^*nce \ 0.0 \ 0.5 \ 0.932$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.0 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.0 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.75 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 33.07 \ 0.0 \ 0.0$
 $LAB^*LABa \ 33.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

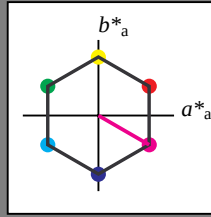
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.35 19.34 19.34
LAB*LABa 82.35 33.51 -19.34
LAB*LABb 82.35 38.69 33.00

relative CIELAB lab*
lab*lab 0.833 0.433 -0.249
lab*tch 0.75 0.5 0.917
lab*nch 0.0 0.5 0.917
relative Natural Colour (NC)
lab*trj 0.833 0.36 -0.346
lab*tce 0.5 0.5 0.878
lab*nce 0.0 0.5 0.511

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.16 33.52 -19.34
LAB*LABa 63.16 33.52 -19.34
LAB*LABb 50.0 38.7 33.00

relative CIELAB lab*
lab*lab 0.583 0.433 -0.249
lab*tch 0.625 0.25 0.917
lab*nch 0.0 0.5 0.917
relative Natural Colour (NC)
lab*trj 0.583 0.36 -0.346
lab*tce 0.5 0.5 0.878
lab*nce 0.0 0.5 0.511

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 50.27 -29.01
LAB*LABa 56.71 50.27 -29.01
LAB*LABb 37.51 58.04 33.00

relative CIELAB lab*
lab*lab 0.667 0.866 -0.499
lab*tch 0.5 1.0 0.917
lab*nch 0.0 1.0 0.917
relative Natural Colour (NC)
lab*trj 0.667 0.72 -0.692
lab*tce 0.5 1.0 0.878
lab*nce 0.0 1.0 0.511

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.5 0.75 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 43.81 33.51 -19.34
LAB*LABa 43.81 33.51 -19.34
LAB*LABb 25.01 38.69 33.00

relative CIELAB lab*
lab*lab 0.333 0.433 -0.249
lab*tch 0.25 0.5 0.917
lab*nch 0.0 0.5 0.917
relative Natural Colour (NC)
lab*trj 0.333 0.36 -0.346
lab*tce 0.25 0.5 0.878
lab*nce 0.0 0.5 0.511

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

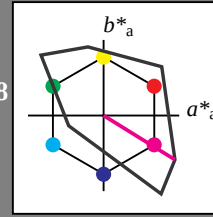
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

chromaticness c^*

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.35 47.17 -29.19
LAB*LABa 76.35 47.17 -29.19
LAB*LABb 75.01 55.47 328.23

relative CIELAB lab*
lab*lab 0.8 0.425 -0.262
lab*tch 0.75 0.5 0.912
lab*nch 0.0 0.5 0.912
relative Natural Colour (NC)
lab*trj 0.8 0.352 -0.354
lab*tce 0.75 0.5 0.874
lab*nce 0.0 0.5 0.499

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 62.03 23.59 -14.6
LAB*LABa 62.03 23.59 -14.6
LAB*LABb 50.0 27.74 328.24

relative CIELAB lab*
lab*lab 0.65 0.213 -0.131
lab*tch 0.625 0.25 0.912
lab*nch 0.0 0.5 0.912
relative Natural Colour (NC)
lab*trj 0.65 0.176 -0.177
lab*tce 0.625 0.25 0.874
lab*nce 0.0 0.5 0.499

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.51 47.18 -29.2
LAB*LABa 52.51 47.18 -29.2
LAB*LABb 50.0 55.49 328.23

relative CIELAB lab*
lab*lab 0.55 0.425 -0.262
lab*tch 0.5 0.5 0.912
lab*nch 0.0 0.5 0.912
relative Natural Colour (NC)
lab*trj 0.55 0.352 -0.354
lab*tce 0.5 0.5 0.874
lab*nce 0.0 0.5 0.499

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.5 0.75 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 42.98 70.75 -43.8
LAB*LABa 42.98 70.75 -43.8
LAB*LABb 37.51 83.22 328.23

relative CIELAB lab*
lab*lab 0.45 0.638 -0.394
lab*tch 0.375 0.75 0.912
lab*nch 0.0 0.75 0.912
relative Natural Colour (NC)
lab*trj 0.45 0.528 -0.532
lab*tce 0.375 0.75 0.874
lab*nce 0.0 0.75 0.499

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

5 step scales for constant CIELAB hue 328/360 = 0.912 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

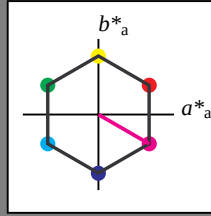
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*LABa \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*LABa \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*LABa \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.75 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	43.81	67.03	38.7	77.4	30
YMa	69.61	0.0	77.4	77.4	90
LMa	43.81	-67.02	38.7	77.4	150
CMa	69.61	-67.02	-38.69	77.4	210
VMa	43.81	0.0	-77.39	77.4	270
MMa	69.61	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*LABa \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.5 \ 0.0$
 $lab^*tch \ 1.0 \ 0.5 \ -$
 $lab^*nch \ 0.0 \ 0.5 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.5 \ 0.0$
 $lab^*tce \ 0.5 \ 0.5 \ -$
 $lab^*nce \ 0.5 \ 0.5 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 63.16 \ 0.0 \ 0.0$
 $LAB^*LABa \ 63.16 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.5 \ 0.0$
 $lab^*tch \ 0.75 \ 0.5 \ -$
 $lab^*nch \ 0.0 \ 0.5 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.5 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ -$
 $lab^*nce \ 0.25 \ 0.5 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*LABa \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.25 \ 0.0$
 $lab^*tch \ 0.5 \ 0.25 \ -$
 $lab^*nch \ 0.0 \ 0.25 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.25 \ 0.0$
 $lab^*tce \ 0.75 \ 0.25 \ -$
 $lab^*nce \ 0.75 \ 0.25 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*LABa \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.25 \ 0.0$
 $lab^*tch \ 0.25 \ 0.25 \ -$
 $lab^*nch \ 0.0 \ 0.25 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.25 \ 0.0$
 $lab^*tce \ 0.75 \ 0.25 \ -$
 $lab^*nce \ 0.75 \ 0.25 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

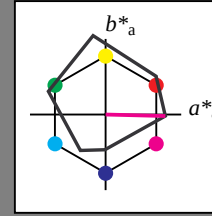
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.38 \ 0.44 \ 2.45$
 $LAB^*LABa \ 76.38 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.61 \ 67.02 \ -38.68$
 $LAB^*LABa \ 69.61 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 36.5 \ 1.09 \ 2.19$
 $LAB^*LABa \ 36.5 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.75 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.57 \ 1.41 \ 2.06$
 $LAB^*LABa \ 16.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	42.21	66.82	50.6	83.82	37
YMa	90.32	-16.51	104.33	105.63	99
LMa	48.21	-75.63	30.65	81.61	158
CMa	53.44	-33.33	-47.49	58.03	235
VMa	34.16	-0.92	-46.56	46.58	269
MMa	42.71	79.0	-1.95	79.03	359
NMa	16.56	0.0	0.0	0.0	0
WMa	96.31	0.0	0.0	0.0	0
RCIE	39.92	59.78	25.77	65.1	23
JCIE	81.26	-2.51	69.07	69.11	92
GCIE	52.23	-41.57	11.3	43.09	165
BCIE	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.25 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.25 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.25 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.11 \ 59.24 \ -1.46$
 $LAB^*LABa \ 56.11 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.496 \ 0.25 \ 0.0$
 $lab^*tch \ 0.496 \ 0.25 \ -$
 $lab^*nch \ 0.0 \ 0.25 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.496 \ 0.25 \ 0.0$
 $lab^*tce \ 0.5 \ 0.25 \ -$
 $lab^*nce \ 0.5 \ 0.25 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.25 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 49.57 \ 39.62 \ 1.3$
 $LAB^*LABa \ 49.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.496 \ 0.25 \ 0.0$
 $lab^*tch \ 0.496 \ 0.25 \ -$
 $lab^*nch \ 0.0 \ 0.25 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.496 \ 0.25 \ 0.0$
 $lab^*tce \ 0.5 \ 0.25 \ -$
 $lab^*nce \ 0.5 \ 0.25 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 43.04 \ 18.76 \ 1.75$
 $LAB^*LABa \ 43.04 \ 0.0 \ 0.0$
 $LAB^*TCha \ 37.5 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.496 \ 0.25 \ 0.0$
 $lab^*tch \ 0.496 \ 0.25 \ -$
 $lab^*nch \ 0.0 \ 0.25 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.496 \ 0.25 \ 0.0$
 $lab^*tce \ 0.5 \ 0.25 \ -$
 $lab^*nce \ 0.5 \ 0.25 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0$

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

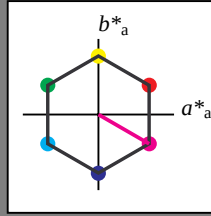
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*LABb	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*LABb	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*LABb	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*LABb	0.01	0.0	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	43.81	67.03	38.7	77.4	30
YMa	69.61	0.0	77.4	77.4	90
LMa	43.81	-67.02	38.7	77.4	150
CMa	69.61	-67.02	-38.69	77.4	210
VMa	43.81	0.0	-77.39	77.4	270
MMa	69.61	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.1	33.51	19.34	
LAB*LABa	82.1	33.51	19.34	
LAB*LABb	75.0	38.69	330.0	
relative CIELAB lab*				
lab*lab	0.833	0.433	-0.249	
lab*lab	0.833	0.433	-0.249	
lab*lab	0.833	0.433	-0.249	
relative Natural Colour (NC)				
lab*lab	0.833	0.433	-0.249	
lab*lab	0.833	0.433	-0.249	
lab*lab	0.833	0.433	-0.249	

relative Inform. Technology (IT)				
olvi3*	0.75	0.25	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	63.16	33.52	19.34	
LAB*LABa	63.16	33.52	19.34	
LAB*LABb	50.0	38.7	330.0	
relative CIELAB lab*				
lab*lab	0.583	0.433	-0.249	
lab*lab	0.583	0.433	-0.249	
lab*lab	0.583	0.433	-0.249	
relative Natural Colour (NC)				
lab*lab	0.583	0.433	-0.249	
lab*lab	0.583	0.433	-0.249	
lab*lab	0.583	0.433	-0.249	

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	0.5	(1.0)
cmyn3*	0.5	1.0	0.5	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	43.81	33.51	19.34	
LAB*LABa	43.81	33.51	19.34	
LAB*LABb	25.01	38.69	330.0	
relative CIELAB lab*				
lab*lab	0.333	0.433	-0.249	
lab*lab	0.333	0.433	-0.249	
lab*lab	0.333	0.433	-0.249	
relative Natural Colour (NC)				
lab*lab	0.333	0.433	-0.249	
lab*lab	0.333	0.433	-0.249	
lab*lab	0.333	0.433	-0.249	

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	1.0	0.75	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	30.91	16.75	-9.66	
LAB*LABa	30.91	16.75	-9.66	
LAB*LABb	12.5	19.34	330.0	
relative CIELAB lab*				
lab*lab	0.167	0.216	-0.124	
lab*lab	0.167	0.216	-0.124	
lab*lab	0.167	0.216	-0.124	
relative Natural Colour (NC)				
lab*lab	0.167	0.216	-0.124	
lab*lab	0.167	0.216	-0.124	
lab*lab	0.167	0.216	-0.124	

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

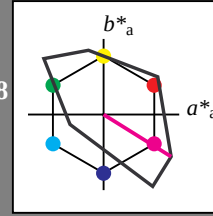
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*LABb	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*LABb	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.5	0.0	0.0	
lab*lc	0.5	0.0	-	
lab*nCe	0.5	0.0	-	

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

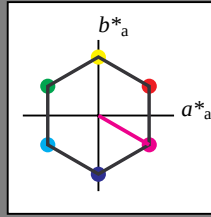
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.75 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	43.81	67.03	38.7	77.4	30
YMa	69.61	0.0	77.4	77.4	90
LMa	43.81	-67.02	38.7	77.4	150
CMa	69.61	-67.02	-38.69	77.4	210
VMa	43.81	0.0	-77.39	77.4	270
MMa	69.61	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0.75

blackness n^*

$n^* = 0.00$

0.25

$n^* = 0.25$

0.50

$n^* = 0.50$

0.75

$n^* = 0.75$

1.00

$n^* = 1.00$

chromaticness c^*

0.25

0.50

0.75

1.00

1.25

1.50

1.75

2.00

2.25

2.50

2.75

3.00

3.25

3.50

3.75

4.00

4.25

4.50

4.75

5.00

5.25

5.50

5.75

6.00

6.25

6.50

6.75

7.00

7.25

7.50

7.75

8.00

8.25

8.50

8.75

9.00

9.25

9.50

9.75

10.00

10.25

10.50

10.75

11.00

11.25

11.50

11.75

12.00

12.25

12.50

12.75

13.00

13.25

13.50

13.75

14.00

14.25

14.50

14.75

15.00

15.25

15.50

15.75

16.00

16.25

16.50

16.75

17.00

17.25

17.50

17.75

18.00

18.25

18.50

18.75

19.00

19.25

19.50

19.75

20.00

20.25

20.50

20.75

21.00

21.25

21.50

21.75

22.00

22.25

22.50

22.75

23.00

23.25

23.50

23.75

24.00

24.25

24.50

24.75

25.00

25.25

25.50

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

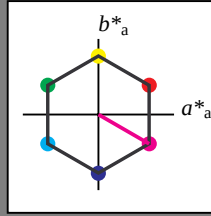
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCBa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCBa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCBa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCBa 0.01 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	43.81	67.03	38.7	77.4	30
YMa	69.61	0.0	77.4	77.4	90
LMa	43.81	-67.02	38.7	77.4	150
CMa	69.61	-67.02	-38.69	77.4	210
VMa	43.81	0.0	-77.39	77.4	270
MMa	69.61	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

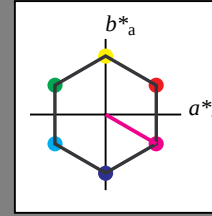
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCBa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCBa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCBa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCBa 0.01 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	43.81	67.03	38.7	77.4	30
YMa	69.61	0.0	77.4	77.4	90
LMa	43.81	-67.02	38.7	77.4	150
CMa	69.61	-67.02	-38.69	77.4	210
VMa	43.81	0.0	-77.39	77.4	270
MMa	69.61	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

0,25

0,00

blackness n^*

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 0,25$

OE500-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

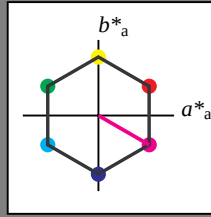
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCBa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCBa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCBa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCBa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

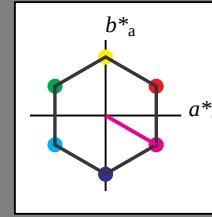
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCBa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCBa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCBa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCBa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

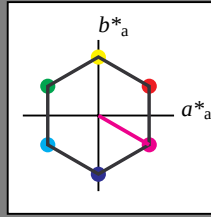
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)	olv3*	1.0	1.0	1.0	(1.0)
	cmyn3*	0.0	0.0	0.0	(0.0)
	olv4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	95.41	0.0	0.0	
	LAB*LABa	95.41	0.0	0.0	
	LAB*TCHa	99.99	0.01	-	
relative CIELAB lab*	lab*lab	1.0	0.0	0.0	
	lab*lab	1.0	0.0	0.0	
	lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)	lab*lab	1.0	0.0	0.0	
	lab*lab	1.0	0.0	0.0	
	lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)	olv3*	0.75	0.75	0.75	(1.0)
	cmyn3*	0.25	0.25	0.25	(0.0)
	olv4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	76.07	0.0	0.0	
	LAB*LABa	76.07	0.0	0.0	
	LAB*TCHa	75.0	0.01	-	
relative CIELAB lab*	lab*lab	0.75	0.0	0.0	
	lab*lab	0.75	0.0	0.0	
	lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)	lab*lab	0.75	0.0	0.0	
	lab*lab	0.75	0.0	0.0	
	lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)	olv3*	0.5	0.5	0.5	(1.0)
	cmyn3*	0.5	0.5	0.5	(0.0)
	olv4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	56.72	0.0	0.0	
	LAB*LABa	56.72	0.0	0.0	
	LAB*TCHa	50.0	0.01	-	
relative CIELAB lab*	lab*lab	0.5	0.0	0.0	
	lab*lab	0.5	0.0	0.0	
	lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)	lab*lab	0.5	0.0	0.0	
	lab*lab	0.5	0.0	0.0	
	lab*lab	0.5	0.0	0.0	

relative Inform. Technology (IT)	olv3*	0.25	0.25	0.25	(1.0)
	cmyn3*	0.75	0.75	0.75	(0.0)
	olv4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	37.37	0.0	0.0	
	LAB*LABa	37.37	0.0	0.0	
	LAB*TCHa	25.0	0.01	-	
relative CIELAB lab*	lab*lab	0.25	0.0	0.0	
	lab*lab	0.25	0.0	0.0	
	lab*lab	0.25	0.0	0.0	
relative Natural Colour (NC)	lab*lab	0.25	0.0	0.0	
	lab*lab	0.25	0.0	0.0	
	lab*lab	0.25	0.0	0.0	

relative Inform. Technology (IT)	olv3*	0.0	0.0	0.0	(1.0)
	cmyn3*	1.0	1.0	1.0	(0.0)
	olv4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	18.03	0.0	0.0	
	LAB*LABa	18.03	0.0	0.0	
	LAB*TCHa	0.01	0.01	-	
relative CIELAB lab*	lab*lab	0.0	0.0	0.0	
	lab*lab	0.0	0.0	0.0	
	lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)	lab*lab	0.0	0.0	0.0	
	lab*lab	0.0	0.0	0.0	
	lab*lab	0.0	0.0	0.0	

$n^* = 1.0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0.75

relative Inform. Technology (IT)	olv3*	1.0	0.5	1.0	(1.0)
	cmyn3*	0.0	0.5	0.0	(0.0)
	olv4*	1.0	0.5	1.0	(1.0)
	cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	82.16	33.51	19.34	
	LAB*LABa	82.16	33.51	19.34	
	LAB*TCHa	75.0	38.69	330.0	
relative CIELAB lab*	lab*lab	0.833	0.433	-0.249	
	lab*lab	0.833	0.433	-0.249	
	lab*lab	0.833	0.433	-0.249	
relative Natural Colour (NC)	lab*lab	0.833	0.433	-0.249	
	lab*lab	0.833	0.433	-0.249	
	lab*lab	0.833	0.433	-0.249	

relative Inform. Technology (IT)	olv3*	0.75	0.25	0.75	(1.0)
	cmyn3*	0.25	0.75	0.25	(0.0)
	olv4*	1.0	0.5	1.0	(1.0)
	cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	63.16	33.52	19.34	
	LAB*LABa	63.16	33.52	19.34	
	LAB*TCHa	50.0	38.7	330.0	
relative CIELAB lab*	lab*lab	0.583	0.433	-0.249	
	lab*lab	0.583	0.433	-0.249	
	lab*lab	0.583	0.433	-0.249	
relative Natural Colour (NC)	lab*lab	0.583	0.433	-0.249	
	lab*lab	0.583	0.433	-0.249	
	lab*lab	0.583	0.433	-0.249	

relative Inform. Technology (IT)	olv3*	0.5	0.0	0.5	(1.0)
	cmyn3*	0.5	0.0	0.0	(0.0)
	olv4*	1.0	0.5	1.0	(1.0)
	cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	43.81	33.51	19.34	
	LAB*LABa	43.81	33.51	19.34	
	LAB*TCHa	25.01	38.69	330.0	
relative CIELAB lab*	lab*lab	0.333	0.433	-0.249	
	lab*lab	0.333	0.433	-0.249	
	lab*lab	0.333	0.433	-0.249	
relative Natural Colour (NC)	lab*lab	0.333	0.433	-0.249	
	lab*lab	0.333	0.433	-0.249	
	lab*lab	0.333	0.433	-0.249	

relative Inform. Technology (IT)	olv3*	0.25	0.0	0.25	(1.0)
	cmyn3*	0.75	0.0	0.0	(0.0)
	olv4*	1.0	0.5	1.0	(1.0)
	cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	30.91	16.75	-9.66	
	LAB*LABa	30.91	16.75	-9.66	
	LAB*TCHa	12.5	19.34	330.0	
relative CIELAB lab*	lab*lab	0.167	0.216	-0.124	
	lab*lab	0.167	0.216	-0.124	
	lab*lab	0.167	0.216	-0.124	
relative Natural Colour (NC)	lab*lab	0.167	0.216	-0.124	
	lab*lab	0.167	0.216	-0.124	
	lab*lab	0.167	0.216	-0.124	

$n^* = 0.50$

$n^* = 0.25$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

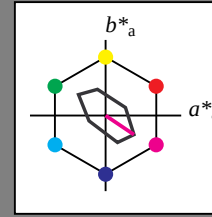
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)	olv3*	1.0	1.0	1.0	(1.0)
	cmyn3*	0.0	0.0	0.0	(0.0)
	olv4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	95.41	0.0	0.0	
	LAB*LABa	95.41	0.0	0.0	
	LAB*TCHa	99.99	0.01	-	
relative CIELAB lab*	lab*lab	1.0	0.0	0.0	
	lab*lab	1.0	0.0	0.0	
	lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)	lab*lab	1.0	0.0	0.0	
	lab*lab	1.0	0.0	0.0	
	lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)	olv3*	0.75	0.75	0.75	(1.0)
	cmyn3*	0.25	0.25	0.25	(0.0)
	olv4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	88.98	0.0	0.0	
	LAB*LABa	88.98	0.0	0.0	
	LAB*TCHa	75.0	0.0	-	
relative CIELAB lab*	lab*lab	0.75	0.0	0.0	
	lab*lab	0.75	0.0	0.0	
	lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)	lab*lab	0.75	0.0	0.0	
	lab*lab	0.75	0.0	0.0	
	lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)	olv3*	0.5	0.5	0.5	(1.0)
	cmyn3*	0.5	0.5	0.5	(0.0)
	olv4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	82.16	0.0	0.0	
	LAB*LABa	82.16	0.0	0.0	
	LAB*TCHa	50.0	0.0	-	
relative CIELAB lab*	lab*lab	0.5	0.0	0.0	
	lab*lab	0.5	0.0	0.0	
	lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)	lab*lab	0.5	0.0	0.0	
	lab*lab	0.5	0.0	0.0	
	lab*lab	0.5	0.0	0.0	

relative Inform. Technology (IT)	olv3*	0.25	0.25	0.25	(1.0)
	cmyn3*	0.75	0.75	0.75	(0.0)
	olv4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	76.13	0.0	0.0	
	LAB*LABa	76.13	0.0	0.0	
	LAB*TCHa	25.0	0.0	-	
relative CIELAB lab*	lab*lab	0.25	0.0	0.0	
	lab*lab	0.25	0.0	0.0	
	lab*lab	0.25	0.0	0.0	
relative Natural Colour (NC)	lab*lab	0.25	0.0	0.0	
	lab*lab	0.25	0.0	0.0	
	lab*lab	0.25	0.0	0.0	

relative Inform. Technology (IT)	olv3*	0.0	0.0	0.0	(1.0)
	cmyn3*	1.0	1.0	1.0	(0.0)
	olv4*	1.0	1.0	1.0	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	18.03	0.0	0.0	
	LAB*LABa	18.03	0.0	0.0	
	LAB*TCHa	0.01	0.01	-	
relative CIELAB lab*	lab*lab	0.0	0.0	0.0	
	lab*lab	0.0	0.0	0.0	
	lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)	lab*lab	0.0	0.0	0.0	
	lab*lab	0.0	0.0	0.0	
	lab*lab	0.0	0.0	0.0	

$n^* = 1.0$

relative Inform. Technology (IT)	olv3*	0.75	0.5	0.75	(1.0)
	cmyn3*	0.25	0.5	0.25	(0.0)
	olv4*	1.0	0.5	1.0	(1.0)
	cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	84.76	9.38	-6.3	
	LAB*LABa	84.76	9.38	-6.3	
	LAB*TCHa	62.5	11.3	326.07	
relative CIELAB lab*	lab*lab	0.586	0.207	-0.139	
	lab*lab	0.586	0.207	-0.139	
	lab*lab	0.586	0.207	-0.139	
relative Natural Colour (NC)	lab*lab	0.586	0.207	-0.139	
	lab*lab	0.586	0.207	-0.139	
	lab*lab	0.586	0.207	-0.139	

relative Inform. Technology (IT)					
olv3*	0.75	0.25	0.5	0.5	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)	
olv4*	1.0	0.5	1.0	0.75	
cmyn4*	0.0	0.5	0.0	0.25	
standard and adapted CIELAB					
LAB*LAB	80.53	18.76	-12.61		
LAB*LAB	80.53	18.76	-12.61		
LAB*ChA	50.0	22.61	32.76		
relative Natural Colour (NC)					
lab*lab	0.421	0.415	-0.268		
lab*tech	0.5	0.5	0.906		
lab*mc	0.25	0.5	0.906		
relative Natural Colour (NC)					
lab*lrj	0.421	0.341	-0.365		
lab*ccc	0.5	0.5	0.869		
lab*ncE	0.25	0.5	0.847		

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

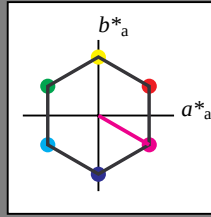
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0
LAB*LABb	0.01	0.0	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	33.51	19.34	19.34
LAB*LABa	76.06	33.51	19.34	19.34
LAB*LABb	75.0	36.69	33.00	33.00
relative CIELAB lab*				
lab*lab	0.75	0.433	-0.249	-0.249
lab*tch	0.75	0.25	0.917	0.917
lab*nch	0.0	0.5	0.917	0.917
relative Natural Colour (NC)				
lab*trj	0.75	0.36	0.932	0.932
lab*tce	0.25	0.25	0.878	0.878
lab*nce	0.0	0.5	0.878	0.878

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	66.38	50.27	-29.01	-29.01
LAB*LABa	66.38	50.27	-29.01	-29.01
LAB*LABb	62.5	58.04	33.00	33.00
relative CIELAB lab*				
lab*lab	0.625	0.649	-0.374	-0.374
lab*tch	0.625	0.75	0.917	0.917
lab*nch	0.0	0.75	0.917	0.917
relative Natural Colour (NC)				
lab*trj	0.625	0.54	-0.519	-0.519
lab*tce	0.625	0.75	0.878	0.878
lab*nce	0.0	0.75	0.878	0.878

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	33.52	19.34	19.34
LAB*LABa	56.71	33.52	19.34	19.34
LAB*LABb	50.0	38.7	33.00	33.00
relative CIELAB lab*				
lab*lab	0.5	0.433	-0.249	-0.249
lab*tch	0.5	0.25	0.917	0.917
lab*nch	0.0	0.5	0.917	0.917
relative Natural Colour (NC)				
lab*trj	0.5	0.36	0.932	0.932
lab*tce	0.5	0.25	0.878	0.878
lab*nce	0.0	0.5	0.878	0.878

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.5	(1.0)
cmyn3*	0.75	0.0	0.5	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	33.51	19.34	19.34
LAB*LABa	37.37	33.51	19.34	19.34
LAB*LABb	25.0	38.69	33.00	33.00
relative CIELAB lab*				
lab*lab	0.25	0.433	-0.249	-0.249
lab*tch	0.25	0.25	0.917	0.917
lab*nch	0.0	0.5	0.917	0.917
relative Natural Colour (NC)				
lab*trj	0.25	0.36	0.932	0.932
lab*tce	0.25	0.25	0.878	0.878
lab*nce	0.0	0.5	0.878	0.878

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0
LAB*LABb	0.01	0.0	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.25	(0.0)
olvi4*	1.0	0.75	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	27.69	16.75	-9.66	-9.66
LAB*LABa	27.69	16.75	-9.66	-9.66
LAB*LABb	12.5	19.34	33.00	33.00
relative CIELAB lab*				
lab*lab	0.125	0.216	-0.124	-0.124
lab*tch	0.125	0.25	0.917	0.917
lab*nch	0.0	0.25	0.917	0.917
relative Natural Colour (NC)				
lab*trj	0.125	0.18	-0.172	-0.172
lab*tce	0.125	0.25	0.878	0.878
lab*nce	0.0	0.25	0.878	0.878

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0
LAB*LABb	0.01	0.0	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

50

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

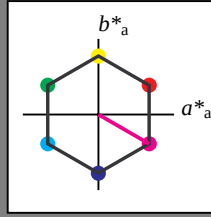
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	56.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	37.37	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	18.03	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	33.51	-19.34
LAB*LABa	76.06	33.51	-19.34
LAB*LABb	75.0	38.69	330.0

relative CIELAB lab*

lab*lab	0.75	0.433	-0.249
lab*tch	0.75	0.433	-0.249
lab*nch	0.0	0.5	0.917

relative Natural Colour (NC)

lab*trj	0.75	0.433	-0.249
lab*tce	0.25	0.36	0.346
lab*nce	0.0	0.5	0.917

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	33.52	-19.34
LAB*LABa	56.71	33.52	-19.34
LAB*LABb	50.0	38.7	330.0

relative CIELAB lab*

lab*lab	0.5	0.433	-0.249
lab*tch	0.5	0.433	-0.249
lab*nch	0.0	0.5	0.917

relative Natural Colour (NC)

lab*trj	0.5	0.433	-0.249
lab*tce	0.5	0.36	0.346
lab*nce	0.0	0.5	0.917

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	33.51	-19.34
LAB*LABa	37.36	33.51	-19.34
LAB*LABb	25.01	38.69	330.0

relative CIELAB lab*

lab*lab	0.25	0.433	-0.249
lab*tch	0.25	0.433	-0.249
lab*nch	0.0	0.5	0.917

relative Natural Colour (NC)

lab*trj	0.25	0.433	-0.249
lab*tce	0.25	0.36	0.346
lab*nce	0.0	0.5	0.917

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.25	(0.0)
olvi4*	1.0	0.75	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	27.65	16.75	-9.66
LAB*LABa	27.65	16.75	-9.66
LAB*LABb	12.5	19.34	330.0

relative CIELAB lab*

lab*lab	0.125	0.216	-0.124
lab*tch	0.125	0.216	-0.124
lab*nch	0.0	0.25	0.917

relative Natural Colour (NC)

lab*trj	0.125	0.216	-0.124
lab*tce	0.125	0.25	0.878
lab*nce	0.0	0.25	0.917

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

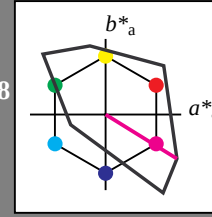
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	56.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	37.37	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	18.03	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.35	47.17	-29.19
LAB*LABa	76.35	47.17	-29.19
LAB*LABb	75.0	55.47	328.23

relative CIELAB lab*

lab*lab	0.8	0.425	-0.262
lab*tch	0.8	0.425	-0.262
lab*nch	0.0	0.5	0.912

relative Natural Colour (NC)

lab*trj	0.8	0.425	-0.262
lab*tce	0.25	0.352	0.354
lab*nce	0.0	0.5	0.912

relative Inform. Technology (IT)				
olvi3*	0.75	0.25	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	1.0	0.5	1.0	0.75
cmyn4*	0.0	0.5	0.0	0.25
relative CIELAB and adapted CIELAB				
LAB*Lab	52.21	47.18	-29.2	
LAB*LabC	52.51	47.18	-29.2	
LAB*TChe	50.0	55.49	328.23	
relative CIELAB lab*				
lab*lab	0.55	0.425	-0.262	
lab*labC	0.5	0.5	0.912	
lab*nch	0.25	0.5	0.912	
relative Natural Colour (NC)				
lab*lrj	0.55	0.352	-0.354	
lab*labC	0.5	0.5	0.874	
lab*nC	0.25	0.5	0.849	

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

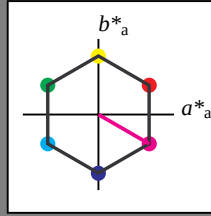
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 33.51 19.34
LAB*LABa 76.06 33.51 19.34
LAB*LABb 75.0 36.69 330.0

relative CIELAB lab*
lab*lab 0.75 0.433 -0.249
lab*tch 0.75 0.5 0.917
lab*nch 0.0 0.5 0.917
relative Natural Colour (NC)
lab*trj 0.75 0.5 0.917
lab*tce 0.5 0.5 0.878
lab*nce 0.0 0.5 0.511

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 33.52 19.34
LAB*LABa 56.71 33.52 19.34
LAB*LABb 50.0 38.7 330.0

relative CIELAB lab*
lab*lab 0.5 0.433 -0.249
lab*tch 0.5 0.5 0.917
lab*nch 0.0 0.5 0.917
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.917
lab*tce 0.5 0.5 0.878
lab*nce 0.25 0.5 0.511

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 33.51 19.34
LAB*LABa 37.37 33.51 19.34
LAB*LABb 25.0 38.7 330.0

relative CIELAB lab*
lab*lab 0.25 0.433 -0.249
lab*tch 0.25 0.5 0.917
lab*nch 0.0 0.5 0.917
relative Natural Colour (NC)
lab*trj 0.25 0.5 0.917
lab*tce 0.25 0.5 0.878
lab*nce 0.25 0.5 0.511

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.5 0.75 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 33.51 19.34
LAB*LABa 18.03 33.51 19.34
LAB*LABb 0.01 38.7 330.0

relative CIELAB lab*
lab*lab 0.0 0.433 -0.249
lab*tch 0.0 0.5 0.917
lab*nch 0.0 0.5 0.917
relative Natural Colour (NC)
lab*trj 0.0 0.5 0.917
lab*tce 0.0 0.5 0.878
lab*nce 0.0 0.5 0.511

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 359/360 = 0.996$

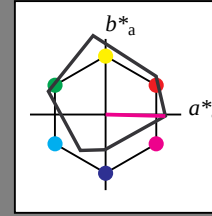
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 0.44 2.45
LAB*LABa 76.38 0.44 2.45
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 0.76 2.32
LAB*LABa 56.44 0.76 2.32
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 1.09 2.19
LAB*LABa 36.5 1.09 2.19
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 1.41 2.06
LAB*LABa 16.57 1.41 2.06
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.51 39.94 1.44
LAB*LABa 69.51 39.94 -0.97
LAB*LABb 75.0 39.51 358.58

relative CIELAB lab*
lab*lab 0.664 0.5 -0.011
lab*tch 0.75 0.5 0.996
lab*nch 0.0 0.5 0.996
relative Natural Colour (NC)
lab*trj 0.664 0.5 0.996
lab*tce 0.0 0.5 0.944
lab*nce 0.0 0.5 0.771

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.57 39.62 1.3
LAB*LABa 49.57 39.62 1.3
LAB*LABb 50.0 39.51 358.58

relative CIELAB lab*
lab*lab 0.414 0.5 -0.011
lab*tch 0.75 0.5 0.996
lab*nch 0.0 0.5 0.996
relative Natural Colour (NC)
lab*trj 0.414 0.5 0.996
lab*tce 0.0 0.5 0.944
lab*nce 0.0 0.5 0.771

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.18 58.14 0.73
LAB*LABa 36.18 58.14 0.73
LAB*LABb 35.0 59.26 358.58

relative CIELAB lab*
lab*lab 0.414 0.5 -0.011
lab*tch 0.75 0.5 0.996
lab*nch 0.0 0.5 0.996
relative Natural Colour (NC)
lab*trj 0.414 0.5 0.996
lab*tce 0.0 0.5 0.944
lab*nce 0.0 0.5 0.771

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.1 18.43 1.62
LAB*LABa 23.1 18.43 1.62
LAB*LABb 23.1 19.74 -0.48

relative CIELAB lab*
lab*lab 0.164 0.5 -0.011
lab*tch 0.75 0.5 0.996
lab*nch 0.0 0.5 0.996
relative Natural Colour (NC)
lab*trj 0.164 0.5 0.996
lab*tce 0.0 0.5 0.944
lab*nce 0.0 0.5 0.771

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

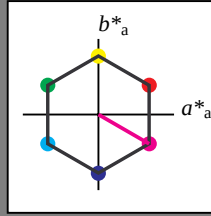
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30
LAB*LABc	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30
LAB*LABc	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*trj	0.75	0.0	0.0
lab*trj	0.75	0.0	0.0
lab*trj	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30
LAB*LABc	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*trj	0.5	0.0	0.0
lab*trj	0.5	0.0	0.0
lab*trj	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30
LAB*LABc	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30
LAB*LABc	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30
LAB*LABc	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30
LAB*LABc	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.75	0.25	0.0
lab*lab	0.75	0.25	0.0
lab*lab	0.75	0.25	0.0
lab*lab	0.75	0.25	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.25	0.0
lab*trj	0.75	0.25	0.0
lab*trj	0.75	0.25	0.0
lab*trj	0.75	0.25	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30
LAB*LABc	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.625	0.217	-0.124
lab*lab	0.625	0.217	-0.124
lab*lab	0.625	0.217	-0.124
lab*lab	0.625	0.217	-0.124

relative Natural Colour (NC)

lab*trj	0.625	0.217	-0.124
lab*trj	0.625	0.217	-0.124
lab*trj	0.625	0.217	-0.124
lab*trj	0.625	0.217	-0.124

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30
LAB*LABc	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.5	0.25	0.0
lab*lab	0.5	0.25	0.0
lab*lab	0.5	0.25	0.0
lab*lab	0.5	0.25	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.25	0.0
lab*trj	0.5	0.25	0.0
lab*trj	0.5	0.25	0.0
lab*trj	0.5	0.25	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30
LAB*LABc	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.375	0.217	-0.124
lab*lab	0.375	0.217	-0.124
lab*lab	0.375	0.217	-0.124
lab*lab	0.375	0.217	-0.124

relative Natural Colour (NC)

lab*trj	0.375	0.217	-0.124
lab*trj	0.375	0.217	-0.124
lab*trj	0.375	0.217	-0.124
lab*trj	0.375	0.217	-0.124

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30
LAB*LABc	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

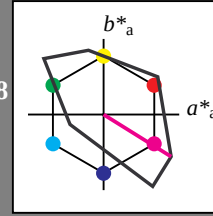
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30
LAB*LABc	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	67.03	38.7	77.4	30
LAB*LABa	56.71	67.03	38.7	77.4	30
LAB*LABb	56.71	67.03	38.7	77.4	30
LAB*LABc	56.71	67.03	38.7	77.4	30

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Natural Colour (NC)

lab*trj	0
---------	---

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

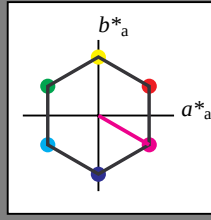
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCha	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCha	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCha	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCha	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCha	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	33.51	-19.34
LAB*LABa	76.06	33.51	-19.34
LAB*TCha	75.0	36.69	330.0

relative CIELAB lab*

lab*lab	0.75	0.433	-0.249
lab*tch	0.75	0.433	-0.249
lab*nch	0.0	0.5	0.917

relative Natural Colour (NC)

lab*trj	0.75	0.36	-0.346
lab*tce	0.25	0.3	0.878
lab*nce	0.0	0.5	0.917

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	33.52	-19.34
LAB*LABa	56.71	33.52	-19.34
LAB*TCha	50.0	38.7	330.0

relative CIELAB lab*

lab*lab	0.625	0.217	-0.124
lab*tch	0.625	0.217	-0.124
lab*nch	0.0	0.5	0.917

relative Natural Colour (NC)

lab*trj	0.625	0.18	-0.172
lab*tce	0.625	0.25	0.878
lab*nce	0.25	0.25	0.917

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	33.51	-19.34
LAB*LABa	37.37	33.51	-19.34
LAB*TCha	25.0	38.69	330.0

relative CIELAB lab*

lab*lab	0.375	0.217	-0.124
lab*tch	0.375	0.217	-0.124
lab*nch	0.0	0.5	0.917

relative Natural Colour (NC)

lab*trj	0.375	0.18	-0.172
lab*tce	0.375	0.25	0.878
lab*nce	0.25	0.25	0.917

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	33.51	-19.34
LAB*LABa	18.03	33.51	-19.34
LAB*TCha	0.01	38.69	330.0

relative CIELAB lab*

lab*lab	0.125	0.216	-0.124
lab*tch	0.125	0.216	-0.124
lab*nch	0.0	0.5	0.917

relative Natural Colour (NC)

lab*trj	0.125	0.18	-0.172
lab*tce	0.125	0.25	0.878
lab*nce	0.25	0.25	0.917

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 330/360 = 0.917$

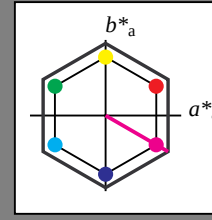
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 64 95 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCha	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCha	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCha	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCha	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCha	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	33.51	-19.34
LAB*LABa	76.06	33.51	-19.34
LAB*TCha	75.0	36.69	330.0

relative CIELAB lab*

lab*lab	0.833	0.433	-0.249
lab*tch	0.833	0.433	-0.249
lab*nch	0.0	0.5	0.917

relative Natural Colour (NC)

lab*trj	0.833	0.36	-0.346
lab*tce	0.833	0.25	0.878
lab*nce	0.25	0.25	0.917

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.66	41.31	-23.84
LAB*LABa	56.66	41.31	-23.84
LAB*TCha	50.0	47.7	33.0

relative CIELAB lab*

lab*lab	0.583	0.433	-0.242
lab*tch	0.5	0.5	0.917
lab*tch	0.25	0.5	0.917

relative Natural Colour (NC)

lab*trc	0.583	0.36	0.34
lab*tch	0.5	0.5	0.878
lab*nc	0.25	0.5	0.511

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

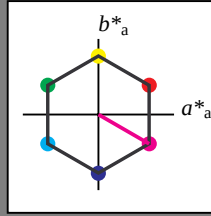
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.0	0.0
LAB*LABa	56.71	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

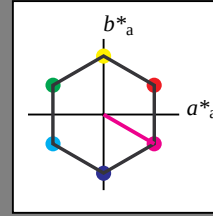
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 70 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.5	33.51	-19.34
LAB*LABa	82.5	33.51	-19.34
LAB*TCHa	75.0	36.69	330.0

relative CIELAB lab*

lab*lab	0.833	0.433	-0.249
lab*tch	0.75	0.5	0.917
lab*nch	0.0	0.5	0.917

relative Natural Colour (NC)

lab*trj	0.833	0.36	-0.346
lab*tce	0.75	0.5	0.878
lab*nce	0.0	0.5	0.878

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	63.16	33.52	-19.34
LAB*LABa	63.16	33.52	-19.34
LAB*TCHa	50.0	38.7	330.0

relative CIELAB lab*

lab*lab	0.583	0.433	-0.249
lab*tch	0.5	0.5	0.917
lab*nch	0.0	0.5	0.917

relative Natural Colour (NC)

lab*trj	0.583	0.36	-0.346
lab*tce	0.5	0.5	0.878
lab*nce	0.0	0.5	0.878

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	1.0	0.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	43.81	33.51	-19.34
LAB*LABa	43.81	33.51	-19.34
LAB*TCHa	25.0	38.69	330.0

relative CIELAB lab*

lab*lab	0.333	0.433	-0.249
lab*tch	0.25	0.5	0.917
lab*nch	0.0	0.5	0.917

relative Natural Colour (NC)

lab*trj	0.333	0.36	-0.346
lab*tce	0.25	0.5	0.878
lab*nce	0.0	0.5	0.878

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

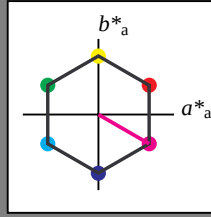
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0
LAB*TCa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0
LAB*TCa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0
LAB*TCa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	33.51	19.34	19.34
LAB*LABa	76.06	33.51	19.34	19.34
LAB*TCa	75.0	38.69	330.0	330.0
relative CIELAB lab*				
lab*lab	0.75	0.433	-0.249	-0.249
lab*tch	0.75	0.25	0.917	0.917
lab*nch	0.0	0.5	0.917	0.917
relative Natural Colour (NC)				
lab*trj	0.75	0.36	0.346	0.346
lab*tce	0.25	0.25	0.878	0.878
lab*nce	0.0	0.5	0.511	0.511

relative Inform. Technology (IT)				
olvi3*	0.75	0.25	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	33.52	19.34	19.34
LAB*LABa	56.71	33.52	19.34	19.34
LAB*TCa	50.0	38.7	330.0	330.0
relative CIELAB lab*				
lab*lab	0.625	0.217	-0.124	-0.124
lab*tch	0.625	0.25	0.917	0.917
lab*nch	0.0	0.25	0.917	0.917
relative Natural Colour (NC)				
lab*trj	0.625	0.18	-0.172	-0.172
lab*tce	0.625	0.25	0.878	0.878
lab*nce	0.25	0.25	0.511	0.511

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	33.51	19.34	19.34
LAB*LABa	37.36	33.51	19.34	19.34
LAB*TCa	25.0	38.69	330.0	330.0
relative CIELAB lab*				
lab*lab	0.5	0.433	-0.249	-0.249
lab*tch	0.5	0.25	0.917	0.917
lab*nch	0.0	0.5	0.917	0.917
relative Natural Colour (NC)				
lab*trj	0.5	0.36	0.346	0.346
lab*tce	0.5	0.25	0.878	0.878
lab*nce	0.25	0.5	0.511	0.511

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	33.51	19.34	19.34
LAB*LABa	18.03	33.51	19.34	19.34
LAB*TCa	0.01	38.69	330.0	330.0
relative CIELAB lab*				
lab*lab	0.25	0.433	-0.249	-0.249
lab*tch	0.25	0.25	0.917	0.917
lab*nch	0.0	0.5	0.917	0.917
relative Natural Colour (NC)				
lab*trj	0.25	0.36	0.346	0.346
lab*tce	0.25	0.25	0.878	0.878
lab*nce	0.25	0.5	0.511	0.511

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

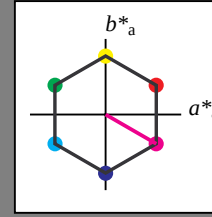
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0
LAB*TCa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCha	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*lab ^c	0.25	0.0	-	
lab*nc ^h	0.75	0.0	-	
relative Natural Colour (NC)				
lab*Yr ^l	0.25	0.0	0.0	
lab*Yr ^c	0.75	0.0	-	
lab*Yr ^h	0.25	0.0	-	

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

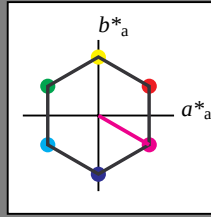
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	1.0	0.75	1.0	(1.0)
cmyn3*	0.0	0.25	0.0	(0.0)
olvi4*	1.0	0.75	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	85.73	16.75	-9.66	0.0
LAB*LABa	85.73	16.75	-9.66	0.0
LAB*TCRa	87.5	19.34	33.00	0.0
relative CIELAB lab*				
lab*lab	0.875	0.216	-0.124	0.0
lab*tch	0.875	0.25	0.917	0.0
lab*nch	0.0	0.25	0.917	0.0
relative Natural Colour (NC)				
lab*trj	0.875	0.18	-0.172	0.0
lab*tce	0.25	0.25	0.878	0.0
lab*nce	0.0	0.25	0.878	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.75	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	66.38	16.76	-9.67	0.0
LAB*LABa	66.38	16.76	-9.67	0.0
LAB*TCRa	62.5	19.35	33.00	0.0
relative CIELAB lab*				
lab*lab	0.625	0.217	-0.124	0.0
lab*tch	0.625	0.25	0.917	0.0
lab*nch	0.0	0.25	0.917	0.0
relative Natural Colour (NC)				
lab*trj	0.625	0.18	-0.172	0.0
lab*tce	0.25	0.25	0.878	0.0
lab*nce	0.0	0.25	0.878	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.04	16.76	-9.67	0.0
LAB*LABa	47.04	16.76	-9.67	0.0
LAB*TCRa	37.5	19.35	33.00	0.0
relative CIELAB lab*				
lab*lab	0.375	0.217	-0.124	0.0
lab*tch	0.375	0.25	0.917	0.0
lab*nch	0.0	0.25	0.917	0.0
relative Natural Colour (NC)				
lab*trj	0.375	0.18	-0.172	0.0
lab*tce	0.25	0.25	0.878	0.0
lab*nce	0.0	0.25	0.878	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	0.25	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	33.51	-19.34	0.0
LAB*LABa	37.37	33.51	-19.34	0.0
LAB*TCRa	25.0	38.67	33.00	0.0
relative CIELAB lab*				
lab*lab	0.25	0.433	-0.249	0.0
lab*tch	0.25	0.5	0.917	0.0
lab*nch	0.0	0.5	0.917	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.36	-0.346	0.0
lab*tce	0.25	0.5	0.878	0.0
lab*nce	0.0	0.5	0.878	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	0.75	1.0	0.75	(0.0)
olvi4*	1.0	0.75	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	27.69	16.75	-9.66	0.0
LAB*LABa	27.69	16.75	-9.66	0.0
LAB*TCRa	12.5	19.34	33.00	0.0
relative CIELAB lab*				
lab*lab	0.125	0.216	-0.124	0.0
lab*tch	0.125	0.25	0.917	0.0
lab*nch	0.0	0.25	0.917	0.0
relative Natural Colour (NC)				
lab*trj	0.125	0.18	-0.172	0.0
lab*tce	0.125	0.25	0.878	0.0
lab*nce	0.0	0.25	0.878	0.0

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	66.38	50.27	-29.01	0.0
LAB*LABa	66.38	50.27	-29.01	0.0
LAB*TCRa	62.5	58.04	33.00	0.0
relative CIELAB lab*				
lab*lab	0.625	0.649	-0.374	0.0
lab*tch	0.625	0.75	0.917	0.0
lab*nch	0.0	0.75	0.917	0.0
relative Natural Colour (NC)				
lab*trj	0.625	0.54	-0.519	0.0
lab*tce	0.25	0.75	0.878	0.0
lab*nce	0.0	0.75	0.878	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	1.0	0.25	(0.0)
olvi4*	1.0	0.75	1.0	(1.0)
cmyn4*	0.0	0.75	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.04	50.27	-29.01	0.0
LAB*LABa	47.04	50.27	-29.01	0.0
LAB*TCRa	37.5	58.04	33.00	0.0
relative CIELAB lab*				
lab*lab	0.375	0.649	-0.374	0.0
lab*tch	0.375	0.75	0.917	0.0
lab*nch	0.0	0.75	0.917	0.0
relative Natural Colour (NC)				
lab*trj	0.375	0.54	-0.519	0.0
lab*tce	0.25	0.75	0.878	0.0
lab*nce	0.0	0.75	0.878	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.5	(1.0)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

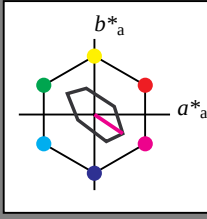
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCHa	99.99	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0
LAB*TCHa	75.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	82.56	0.0	0.0	0.0
LAB*LABa	82.56	0.0	0.0	0.0
LAB*TCHa	50.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	76.13	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0
LAB*TCHa	25.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0
LAB*TCHa	0.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	1.0
cmyn4*	0.0	0.5	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	86.5	18.76	-12.61	0.0
LAB*LABa	86.5	18.76	-12.61	0.0
LAB*TCHa	75.0	22.61	326.07	0.0
relative CIELAB lab*				
lab*lab	0.836	0.207	-0.138	0.0
lab*tch	0.875	0.25	0.906	0.0
lab*nch	0.0	0.25	0.906	0.0
relative Natural Colour (NC)				
lab*trj	0.836	0.17	-0.182	0.0
lab*tce	0.25	0.25	0.869	0.0
lab*nce	0.0	0.25	0.869	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	1.0
cmyn4*	0.0	0.5	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	80.53	18.76	-12.61	0.0
LAB*LABa	80.53	18.76	-12.61	0.0
LAB*TCHa	50.0	22.61	326.07	0.0
relative CIELAB lab*				
lab*lab	0.597	0.622	-0.418	0.0
lab*tch	0.625	0.75	0.906	0.0
lab*nch	0.0	0.75	0.906	0.0
relative Natural Colour (NC)				
lab*trj	0.597	0.51	-0.548	0.0
lab*tce	0.625	0.75	0.869	0.0
lab*nce	0.0	0.75	0.869	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olvi4*	1.0	0.5	1.0	1.0
cmyn4*	0.0	0.5	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	76.3	37.51	-25.22	0.0
LAB*LABa	76.3	37.51	-25.22	0.0
LAB*TCHa	50.0	45.21	326.07	0.0
relative CIELAB lab*				
lab*lab	0.342	0.83	-0.557	0.0
lab*tch	0.5	1.0	0.906	0.0
lab*nch	0.0	1.0	0.906	0.0
relative Natural Colour (NC)				
lab*trj	0.342	0.682	-0.73	0.0
lab*tce	0.5	1.0	0.869	0.0
lab*nce	0.0	1.0	0.869	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.75	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	74.1	18.76	-12.61	0.0
LAB*LABa	74.1	18.76	-12.61	0.0
LAB*TCHa	25.0	22.61	326.07	0.0
relative CIELAB lab*				
lab*lab	0.171	0.415	-0.278	0.0
lab*tch	0.25	0.5	0.906	0.0
lab*nch	0.0	0.5	0.906	0.0
relative Natural Colour (NC)				
lab*trj	0.171	0.341	-0.365	0.0
lab*tce	0.25	0.5	0.869	0.0
lab*nce	0.0	0.5	0.869	0.0

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

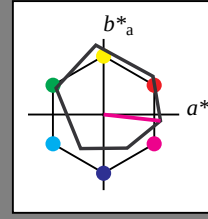
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	-0.88	4.75	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	0.0	0.0
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*TCHa	75.0	0.01	0.0	0.0
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
lab*4*	0.5	0.0	0.0	0.5
standard and adopted CIELAB				
LAB*Lab	56.71	0.24	2.14	
LAB*LabBa	56.71	0.0	0.0	
LAB*TCb	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tcb	0.5	0.0	-	
lab*tcba	0.5	0.0	-	
relative Natural Colour (NC)				
lab*nlr	0.5	0.0	0.0	
lab*ncb	0.5	0.0	-	
lab*ncba	0.5	0.0	-	

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

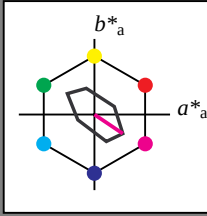
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.59	0.0	0.0
LAB*LABa	82.59	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	86.5	18.76	-12.61
LAB*LABa	86.5	18.76	-12.61
LAB*LABb	75.0	22.61	326.07

relative CIELAB lab*

lab*lab	0.836	0.207	-0.138
lab*tch	0.875	0.25	0.906
lab*nch	0.0	0.5	0.906

relative Natural Colour (NC)

lab*trj	0.836	0.17	-0.182
lab*tce	0.875	0.25	0.869
lab*nce	0.0	0.25	0.869

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	80.53	18.76	-12.61
LAB*LABa	80.53	18.76	-12.61
LAB*LABb	50.0	22.61	326.07

relative CIELAB lab*

lab*lab	0.507	0.622	-0.418
lab*tch	0.625	0.75	0.906
lab*nch	0.0	0.75	0.906

relative Natural Colour (NC)

lab*trj	0.507	0.511	-0.548
lab*tce	0.625	0.75	0.869
lab*nce	0.0	0.75	0.869

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	1.0	0.25	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	78.5	18.76	-12.61
LAB*LABa	78.5	18.76	-12.61
LAB*LABb	50.0	22.61	326.07

relative CIELAB lab*

lab*lab	0.421	0.415	-0.278
lab*tch	0.5	0.5	0.906
lab*nch	0.0	0.5	0.906

relative Natural Colour (NC)

lab*trj	0.421	0.341	-0.365
lab*tce	0.5	0.5	0.869
lab*nce	0.0	0.5	0.869

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	1.0	0.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	74.1	18.76	-12.61
LAB*LABa	74.1	18.76	-12.61
LAB*LABb	25.0	22.61	326.07

relative CIELAB lab*

lab*lab	0.171	0.415	-0.278
lab*tch	0.25	0.5	0.906
lab*nch	0.0	0.5	0.906

relative Natural Colour (NC)

lab*trj	0.171	0.341	-0.365
lab*tce	0.25	0.5	0.869
lab*nce	0.0	0.5	0.869

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 359/360 = 0.996$

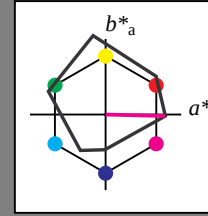
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 43 79 359

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	-0.11	2.58
LAB*LABa	96.31	-0.11	2.58
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	-0.44	2.45
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	65.5	1.09	2.19
LAB*LABa	65.5	1.09	2.19
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	-1.41	2.06
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.51	39.94	-0.97
LAB*LABa	69.51	39.94	-0.97
LAB*LABb	75.0	39.51	358.58

relative CIELAB lab*

lab*lab	0.664	0.5	-0.011
lab*tch	0.75	0.5	0.996
lab*nch	0.0	0.5	0.996

relative Natural Colour (NC)

lab*trj	0.664	0.469	-0.172
lab*tce	0.75	0.5	0.944
lab*nce	0.0	0.5	0.944

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	1.0	0.5	1.0	0.75
cmyn4*	0.0	0.5	0.0	0.25

standard and adapted CIELAB

LAB*LAB	49.57	39.62	1.3
LAB*LABa	49.57	39.57	-0.97
LAB*LABb	50.0	39.51	358.58

relative CIELAB lab*

lab*lab	0.414	0.5	-0.011
lab*tch	0.5	0.5	0.996
lab*nch	0.25	0.5	0.996

relative Natural Color (NC)

lab*irj	0.414	0.469	-0.172
lab*tce	0.5	0.5	0.944
lab*nce	0.25	0.5	0.77r

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

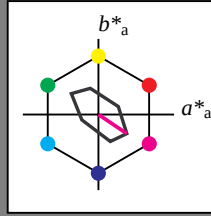
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	95.41	95.41	0.0	0.0
LAB*TChe	99.99	0.0	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	88.98	88.98	0.0	0.0
LAB*TChe	75.0	0.0	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	82.59	82.59	0.0	0.0
LAB*TChe	50.0	0.0	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	76.13	76.13	0.0	0.0
LAB*TChe	25.0	0.0	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	69.7	69.7	0.0	0.0
LAB*TChe	0.0	0.0	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	86.5	86.5	18.76	-12.61
LAB*TChe	75.0	22.61	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	80.53	80.53	18.76	-12.61
LAB*TChe	50.0	22.61	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	78.5	78.5	37.51	-25.22
LAB*TChe	50.0	45.21	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	74.1	74.1	18.76	-12.61
LAB*TChe	25.0	22.61	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

$n^* = 0,50$

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	82.73	82.73	28.14	-18.92
LAB*TChe	62.5	33.91	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	78.5	78.5	37.51	-25.22
LAB*TChe	50.0	45.21	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	76.3	76.3	28.14	-18.92
LAB*TChe	37.51	33.91	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	73.7	73.7	37.37	0.0
LAB*TChe	25.0	0.0	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 328/360 = 0.911$

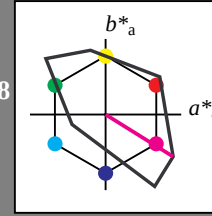
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	86.31	86.31	22.32	-13.9
LAB*TChe	99.99	0.0	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	76.07	76.07	0.0	0.0
LAB*TChe	75.0	0.0	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	76.7	76.7	0.0	0.0
LAB*TChe	50.0	0.0	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	56.72	56.72	0.0	0.0
LAB*TChe	0.0	0.0	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	37.37	37.37	0.0	0.0
LAB*TChe	25.0	0.0	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

$n^* = 1,0$

chromaticness c^*

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	77.21	77.21	44.66	-27.82
LAB*TChe	75.0	52.62	328.06	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	57.86	57.86	44.67	-27.83
LAB*TChe	50.0	52.62	328.06	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	47.61	47.61	22.33	-13.91
LAB*TChe	37.5	26.32	328.06	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	38.51	38.51	44.66	-27.82
LAB*TChe	25.0	52.62	328.06	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

$n^* = 0,50$

chromaticness c^*

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	68.11	68.11	66.99	-41.74
LAB*TChe	62.5	78.94	328.06	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	48.76	48.76	66.99	-41.74
LAB*TChe	37.51	78.94	328.06	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	39.97	39.97	63.36	-39.96
LAB*TChe	25.0	78.94	328.06	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	28.26	28.26	22.32	-13.9
LAB*TChe	12.5	26.32	328.06	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

$n^* = 0,00$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 326/360 = 0.906 (left)

5 step scales for constant CIELAB hue 328/360 = 0.911 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

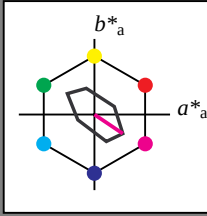
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	95.41	95.41	0.0	0.0
LAB*TChe	99.99	0.0	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	88.98	88.98	0.0	0.0
LAB*TChe	75.0	0.0	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	82.59	82.59	0.0	0.0
LAB*TChe	50.0	0.0	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	76.13	76.13	0.0	0.0
LAB*TChe	25.0	0.0	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	69.7	69.7	0.0	0.0
LAB*TChe	0.0	0.0	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	69.7	69.7	0.0	0.0
LAB*TChe	0.0	0.0	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	91.18	91.18	9.38	-6.3
LAB*TChe	87.5	11.3	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	84.76	9.38	-6.3	-
LAB*TChe	84.76	9.38	-6.3	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	80.53	18.76	-12.61	-
LAB*TChe	50.0	22.61	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	78.33	9.38	-6.3	-
LAB*TChe	37.5	11.3	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	71.9	9.38	-6.3	-
LAB*TChe	12.5	11.3	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	71.9	9.38	-6.3	-
LAB*TChe	12.5	11.3	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	86.5	18.76	-12.61	-
LAB*TChe	86.5	18.76	-12.61	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	80.53	18.76	-12.61	-
LAB*TChe	50.0	22.61	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	80.53	18.76	-12.61	-
LAB*TChe	50.0	22.61	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	78.33	9.38	-6.3	-
LAB*TChe	37.5	11.3	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	71.9	9.38	-6.3	-
LAB*TChe	12.5	11.3	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

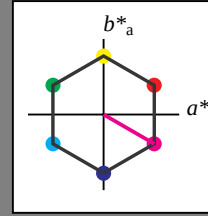
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	95.41	95.41	0.0	0.0
LAB*TChe	99.99	0.01	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	76.07	0.0	0.0	0.0
LAB*TChe	75.0	0.01	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	76.07	0.0	0.0	0.0
LAB*TChe	50.0	45.21	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	56.72	0.0	0.0	0.0
LAB*TChe	37.5	11.3	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	37.37	0.0	0.0	0.0
LAB*TChe	25.0	0.01	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	18.03	0.0	0.0	0.0
LAB*TChe	0.01	0.0	-	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	85.73	16.75	-9.66	-
LAB*TChe	87.5	19.34	330.0	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	66.39	16.76	-9.67	-
LAB*TChe	50.0	38.7	330.0	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	56.71	33.52	-19.34	-
LAB*TChe	50.0	38.7	330.0	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	47.04	50.27	-29.01	-
LAB*TChe	37.5	11.3	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	47.04	50.27	-29.01	-
LAB*TChe	37.5	11.3	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	27.69	16.75	-9.66	-
LAB*TChe	12.5	11.3	326.07	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	76.06	33.51	-19.34	-
LAB*TChe	75.0	38.69	330.0	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	cmyn3*	cmyn4*
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB*LAB	66.38	50.27	-29.01	-
LAB*TChe	50.0	38.7	330.0	-
relative CIELAB lab*	lab*lab	lab*tch	lab*nch	lab*trj
relative Natural Colour (NC)	lab*trj	lab*tch	lab*nch	lab*nce

relative Inform. Technology (IT)	olv3*	olv4*	
----------------------------------	-------	-------	--

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

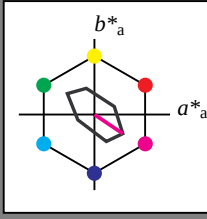
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
cmyn3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	86.5	18.76	-12.61
LAB*LABa	86.5	18.76	-12.61
LAB*LABb	75.0	22.61	326.07

relative CIELAB lab*

lab*lab	0.836	0.207	-0.138
lab*tch	0.875	0.25	0.906
lab*nch	0.0	0.25	0.906

relative Natural Colour (NC)

lab*trj	0.836	0.17	-0.182
lab*tce	0.25	0.25	0.869
lab*nce	0.0	0.25	0.869

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	80.53	18.76	-12.61
LAB*LABa	80.53	18.76	-12.61
LAB*LABb	50.0	22.61	326.07

relative CIELAB lab*

lab*lab	0.507	0.622	-0.418
lab*tch	0.625	0.75	0.906
lab*nch	0.0	0.75	0.906

relative Natural Colour (NC)

lab*trj	0.507	0.511	-0.548
lab*tce	0.625	0.75	0.869
lab*nce	0.0	0.75	0.869

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	1.0	0.25	1.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.3	18.76	-12.61
LAB*LABa	76.3	18.76	-12.61
LAB*LABb	25.0	22.61	326.07

relative CIELAB lab*

lab*lab	0.421	0.415	-0.278
lab*tch	0.425	0.5	0.906
lab*nch	0.0	0.5	0.906

relative Natural Colour (NC)

lab*trj	0.421	0.341	-0.365
lab*tce	0.425	0.5	0.869
lab*nce	0.0	0.5	0.869

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	1.0	0.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	74.1	18.76	-12.61
LAB*LABa	74.1	18.76	-12.61
LAB*LABb	25.0	22.61	326.07

relative CIELAB lab*

lab*lab	0.171	0.415	-0.278
lab*tch	0.175	0.5	0.906
lab*nch	0.0	0.5	0.906

relative Natural Colour (NC)

lab*trj	0.171	0.341	-0.365
lab*tce	0.175	0.5	0.869
lab*nce	0.0	0.5	0.869

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

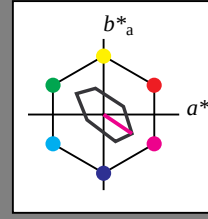
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 326/360 = 0.906 (right)

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

Technology (IT)			
0.5	1.0	1.0	(1.0)
0.5	0.0	0.0	(0.0)
0.5	1.0	1.0	1.0
0.5	0.0	0.0	0.0
adapted CIELAB			
0.95	18.76	-12.61	
0.95	18.76	-12.61	
0.0	22.61	326.07	
B lab*			
0.71	0.415	-0.278	
0.5	0.5	0.906	
0.5	0.5	0.906	
Colour (NC)			
1.71	0.341	0.365	
0.5	0.5	0.869	
0.5	0.5	0.477	

relative Inform.	
olvi3*	1.0
cmyn3*	0.0
olvi4*	1.0
cmyn4*	0.0
standard and o	
LAB*LAB	82
LAB*LABa	82
LAB*TCCha	62

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

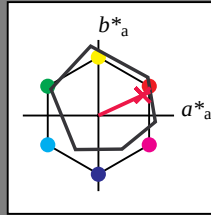
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.38	4.75	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	
LAB*LABa	37.36	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.661	(1.0)
cmyn3*	0.0	0.5	0.339	(0.0)
olvi4*	1.0	0.5	0.661	(1.0)
cmyn4*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.7	33.75	18.92	
LAB*LABa	71.7	34.28	15.76	
LAB*TCRa	75.0	37.73	24.7	
relative CIELAB lab*				
lab*lab	0.847	0.227	0.104	
lab*tch	0.875	0.25	0.069	
lab*nch	0.0	0.25	0.069	
relative Natural Colour (NC)				
lab*trj	0.847	0.25	0.0	
lab*tce	0.875	0.25	0.0	
lab*nce	0.0	0.25	0.069	

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.581	(1.0)
cmyn3*	0.25	0.5	0.419	(0.0)
olvi4*	1.0	0.5	0.831	(1.0)
cmyn4*	0.0	0.5	0.169	(0.0)
standard and adapted CIELAB				
LAB*LAB	64.21	16.75	10.54	
LAB*LABa	64.21	17.14	7.88	
LAB*TCRa	62.5	18.86	24.7	
relative CIELAB lab*				
lab*lab	0.597	0.227	0.104	
lab*tch	0.625	0.25	0.069	
lab*nch	0.0	0.25	0.069	
relative Natural Colour (NC)				
lab*trj	0.597	0.25	0.0	
lab*tce	0.625	0.25	0.0	
lab*nce	0.0	0.25	0.069	

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.441	(1.0)
cmyn3*	0.5	0.25	0.559	(0.0)
olvi4*	1.0	0.5	0.661	(1.0)
cmyn4*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	52.36	34.13	17.62	
LAB*LABa	52.36	34.29	15.77	
LAB*TCRa	50.0	37.74	24.7	
relative CIELAB lab*				
lab*lab	0.444	0.454	0.209	
lab*tch	0.472	0.5	0.069	
lab*nch	0.0	0.5	0.069	
relative Natural Colour (NC)				
lab*trj	0.444	0.5	0.0	
lab*tce	0.472	0.5	0.0	
lab*nce	0.0	0.5	0.069	

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.161	(1.0)
cmyn3*	0.75	0.0	0.839	(0.0)
olvi4*	1.0	0.5	0.661	(1.0)
cmyn4*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	33.01	34.49	16.31	
LAB*LABa	33.01	34.28	15.77	
LAB*TCRa	25.01	37.73	24.7	
relative CIELAB lab*				
lab*lab	0.194	0.454	0.209	
lab*tch	0.25	0.5	0.069	
lab*nch	0.0	0.5	0.069	
relative Natural Colour (NC)				
lab*trj	0.194	0.5	0.0	
lab*tce	0.25	0.5	0.0	
lab*nce	0.0	0.5	0.069	

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

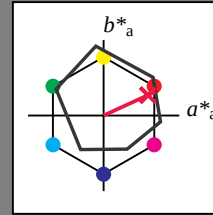
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.38	4.75	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
----------------------------------	--	--	--	--

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

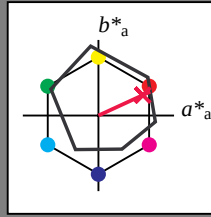
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.25	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.24	2.14	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.5	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.75	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	-	-
lab*nce	0.75	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.661	(1.0)
cmyn3*	0.0	0.5	0.339	(0.0)
olvi4*	1.0	0.5	0.661	(1.0)
cmyn4*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	0.0
LAB*LABa	71.57	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.847	0.227	0.104	0.104
lab*tch	0.875	0.25	0.069	0.069
lab*nch	0.0	0.25	0.069	0.069
relative Natural Colour (NC)				
lab*trj	0.847	0.25	0.0	0.0
lab*tce	0.875	0.25	0.0	0.0
lab*nce	0.0	0.25	0.069	0.069

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.581	(1.0)
cmyn3*	0.25	0.5	0.419	(0.0)
olvi4*	1.0	0.75	0.831	(1.0)
cmyn4*	0.0	0.25	0.169	(0.0)
standard and adapted CIELAB				
LAB*LAB	64.21	16.75	10.54	0.0
LAB*LABa	64.21	17.14	7.88	0.0
LAB*TCRa	62.5	18.87	24.7	0.0
relative CIELAB lab*				
lab*lab	0.597	0.227	0.104	0.104
lab*tch	0.625	0.25	0.069	0.069
lab*nch	0.25	0.25	0.069	0.069
relative Natural Colour (NC)				
lab*trj	0.597	0.25	0.0	0.0
lab*tce	0.625	0.25	0.0	0.0
lab*nce	0.25	0.25	0.069	0.069

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.331	(1.0)
cmyn3*	0.5	0.75	0.669	(0.0)
olvi4*	1.0	0.75	0.831	(1.0)
cmyn4*	0.0	0.25	0.169	(0.0)
standard and adapted CIELAB				
LAB*LAB	44.86	17.13	9.23	0.0
LAB*LABa	44.86	17.14	7.88	0.0
LAB*TCRa	37.5	18.87	24.7	0.0
relative CIELAB lab*				
lab*lab	0.347	0.227	0.104	0.104
lab*tch	0.375	0.25	0.069	0.069
lab*nch	0.5	0.25	0.069	0.069
relative Natural Colour (NC)				
lab*trj	0.347	0.25	0.0	0.0
lab*tce	0.375	0.25	0.0	0.0
lab*nce	0.5	0.25	0.069	0.069

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.161	(1.0)
cmyn3*	0.75	1.0	0.839	(0.0)
olvi4*	1.0	1.0	0.661	(1.0)
cmyn4*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	33.01	34.49	16.31	0.0
LAB*LABa	33.01	34.28	15.77	0.0
LAB*TCRa	25.01	37.73	24.7	0.0
relative CIELAB lab*				
lab*lab	0.194	0.454	0.209	0.209
lab*tch	0.25	0.5	0.069	0.069
lab*nch	0.5	0.5	0.069	0.069
relative Natural Colour (NC)				
lab*trj	0.194	0.5	0.0	0.0
lab*tce	0.25	0.5	0.0	0.0
lab*nce	0.5	0.5	0.069	0.069

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

$c^* = 0,25$

$c^* = 0,50$

$c^* = 0,75$

$c^* = 1,00$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

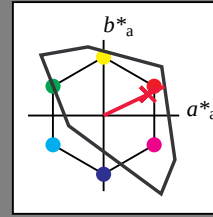
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	0.0
LAB*LABa	71.57	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.25	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)</

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

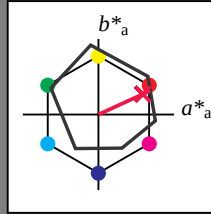
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.06 -0.61 3.44
 LAB^*LABa 76.06 0.0 0.0
 LAB^*TCha 75.01 -

relative CIELAB lab*
 lab^*lab 0.847 0.227 0.104
 lab^*tch 0.875 0.25 0.069
 lab^*nch 0.0 0.25 0.069
 relative Natural Colour (NC)
 lab^*trj 0.847 0.25 0.0
 lab^*tce 0.875 0.25 0.0
 lab^*nce 0.0 0.25 0.069

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.71 0.24 2.14
 LAB^*LABa 56.71 0.0 0.0
 LAB^*TCha 50.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.5 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 0.0
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.36 0.13 0.83
 LAB^*LABa 37.36 0.0 0.0
 LAB^*TCha 25.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.75 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.75 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.02 0.5 -0.47
 LAB^*LABa 18.02 0.0 0.0
 LAB^*TCha 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 1.0 0.0 -

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 71.37 0.375 18.92
 LAB^*LABa 71.7 34.28 15.76
 LAB^*TCha 75.0 37.73 24.7

relative CIELAB lab*
 lab^*lab 0.694 0.454 0.209
 lab^*tch 0.75 0.5 0.069
 lab^*nch 0.0 0.5 0.069
 relative Natural Colour (NC)
 lab^*trj 0.694 0.454 0.0
 lab^*tce 0.75 0.5 0.0
 lab^*nce 0.0 0.5 0.069

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.5 0.581 (1.0)
 $cmyn3^*$ 0.25 0.5 0.419 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.25 0.169 0.25
 standard and adapted CIELAB
 LAB^*LAB 64.21 16.75 10.54
 LAB^*LABa 64.21 17.14 7.88
 LAB^*TCha 62.5 18.87 24.7

relative CIELAB lab*
 lab^*lab 0.597 0.227 0.104
 lab^*tch 0.625 0.25 0.069
 lab^*nch 0.0 0.25 0.069
 relative Natural Colour (NC)
 lab^*trj 0.597 0.25 0.0
 lab^*tce 0.625 0.25 0.0
 lab^*nce 0.0 0.25 0.069

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 52.36 34.13 17.62
 LAB^*LABa 52.36 34.29 15.77
 LAB^*TCha 50.0 37.74 24.7

relative CIELAB lab*
 lab^*lab 0.444 0.454 0.209
 lab^*tch 0.5 0.5 0.069
 lab^*nch 0.0 0.5 0.069
 relative Natural Colour (NC)
 lab^*trj 0.444 0.454 0.0
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.0 0.5 0.069

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 33.01 34.49 16.31
 LAB^*LABa 33.01 34.28 15.77
 LAB^*TCha 25.01 37.73 24.7

relative CIELAB lab*
 lab^*lab 0.291 0.681 0.313
 lab^*tch 0.375 0.75 0.069
 lab^*nch 0.0 0.75 0.069
 relative Natural Colour (NC)
 lab^*trj 0.291 0.681 0.0
 lab^*tce 0.375 0.75 0.0
 lab^*nce 0.0 0.75 0.069

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 23/360 = 0.065$

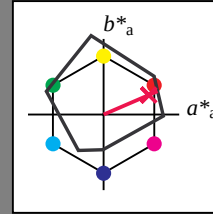
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 96.31 -0.11 2.58
 LAB^*LABa 96.31 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.38 -0.44 2.45
 LAB^*LABa 76.38 0.0 0.0
 LAB^*TCha 75.01 -

relative CIELAB lab*
 lab^*lab 0.831 0.229 0.099
 lab^*tch 0.875 0.25 0.065
 lab^*nch 0.0 0.25 0.065
 relative Natural Colour (NC)
 lab^*trj 0.831 0.229 0.0
 lab^*tce 0.875 0.25 0.0
 lab^*nce 0.0 0.25 0.065

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 62.89 17.19 10.07
 LAB^*LABa 62.89 17.85 7.7
 LAB^*TCha 62.5 19.43 23.32

relative CIELAB lab*
 lab^*lab 0.581 0.23 0.099
 lab^*tch 0.625 0.25 0.065
 lab^*nch 0.0 0.25 0.065
 relative Natural Colour (NC)
 lab^*trj 0.581 0.23 0.0
 lab^*tce 0.625 0.25 0.0
 lab^*nce 0.0 0.25 0.065

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 36.5 1.09 2.19
 LAB^*LABa 36.5 0.0 0.0
 LAB^*TCha 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.75 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.75 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 16.57 -1.41 2.06
 LAB^*LABa 16.57 0.0 0.0
 LAB^*TCha 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 1.0 0.0 -

$n^* = 1,0$

chromaticness c^*

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 69.35 35.14 17.8
 LAB^*LABa 69.35 35.7 15.39
 LAB^*TCha 75.0 38.88 23.32

relative CIELAB lab*
 lab^*lab 0.662 0.459 0.198
 lab^*tch 0.75 0.5 0.065
 lab^*nch 0.0 0.5 0.065
 relative Natural Colour (NC)
 lab^*trj 0.662 0.459 0.0
 lab^*tce 0.75 0.5 0.0
 lab^*nce 0.0 0.5 0.065

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.5 0.594 (1.0)
 $cmyn3^*$ 0.25 0.5 0.406 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.25 0.156 0.25
 standard and adapted CIELAB
 LAB^*LAB 62.89 17.19 10.07
 LAB^*LABa 62.89 17.85 7.7
 LAB^*TCha 62.5 19.43 23.32

relative CIELAB lab*
 lab^*lab 0.581 0.23 0.099
 lab^*tch 0.625 0.25 0.065
 lab^*nch 0.0 0.25 0.065
 relative Natural Colour (NC)
 lab^*trj 0.581 0.23 0.0
 lab^*tce 0.625 0.25 0.0
 lab^*nce 0.0 0.25 0.065

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 49.42 34.82 17.68
 LAB^*LABa 49.42 35.71 15.39
 LAB^*TCha 50.0 38.88 23.32

relative CIELAB lab*
 lab^*lab 0.412 0.459 0.198
 lab^*tch 0.5 0.5 0.065
 lab^*nch 0.0 0.5 0.065
 relative Natural Colour (NC)
 lab^*trj 0.412 0.459 0.0
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.0 0.5 0.065

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 29.48 34.49 16.31
 LAB^*LABa 29.48 35.7 15.39
 LAB^*TCha 25.01 38.88 23.32

relative CIELAB lab*
 lab^*lab 0.243 0.689 0.297
 lab^*tch 0.375 0.75 0.065
 lab^*nch 0.0 0.75 0.065
 relative Natural Colour (NC)
 lab^*trj 0.243 0.689 0.0
 lab^*tce 0.375 0.75 0.0
 lab^*nce 0.0 0.75 0.065

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

5 step scales for constant CIELAB hue 23/360 = 0.065 (right)

lab*tch* and *lab*nch



triangle lightness 4%

triangle lightness t^*

$n^* = 1,0$
OE500-7, 5 step sc

lab*lab	0.097	0.227	0.104
lab*tch	0.125	0.25	0.069
lab*ncn	0.75	0.25	0.069
relative Natural Colour (NC)			
lab*lrj	0.097	0.25	0.0
lab*tce	0.125	0.25	0.0
lab*nce	0.75	0.25	0.00

<i>lab*⁺tch</i>	0.25	0.5	0.069
<i>lab*⁺nch</i>	0.5	0.5	0.069
relative Natural Colour (NC)			
<i>lab*⁺lrj</i>	0.194	0.5	0.0
<i>lab*⁺tce</i>	0.25	0.5	0.0
<i>lab*⁺nce</i>	0.5	0.5	r00j

bl
$$g^*_{C,rel} = 59$$

0,75

$$n^* = 0,00$$

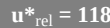
0,25

blackness n^*
$$n^* = 0,50$$

chromatic

1,00

*lab*tch* and *lab*nch*



triangle lightness 4*

triangle lightness t^*

<i>lab*<i>tch</i></i>	0.25	0.0	–
<i>lab*<i>nch</i></i>	0.75	0.0	–
relative Natural Colour (NC)			
<i>lab*<i>lrj</i></i>	0.25	0.0	0.0
<i>lab*<i>tce</i></i>	0.25	0.0	–
<i>lab*<i>nce</i></i>	0.75	0.0	–

<i>cmyn3*</i>	0.75	1.0	0.965	(0.0)
<i>olvi4*</i>	1.0	0.75	0.785	0.25
<i>cmyn4*</i>	0.0	0.25	0.215	0.75
standard and adapted CIELAB				
LAB*LAB	26.92	18.51	8.83	
LAB*LABa	26.92	18.51	8.83	
LAB*TCHa	12.5	20.51	25.5	
relative CIE LAB lab*				

226	0.108	<i>relative olvi3*</i>
25	0.071	

0.365	0
0.375	0
0.5	0

blackness n^*
$$n^* = 0,50$$

<i>n</i>	0.0	0.0	0.0
* <i>tce</i>	0.0	0.0	—
* <i>ncE</i>	1.0	0.0	—

$$g^*_{C,rel} = 40$$

<i>lab*⁺tch</i>	0.25	0.5	0.071
<i>lab*⁺nch</i>	0.5	0.5	0.071
relative Natural Colour (NC)			
<i>lab*⁺lrj</i>	0.23	0.5	0.0
<i>lab*⁺tce</i>	0.25	0.5	0.0
<i>lab*⁺nce</i>	0.5	0.5	0.001

blThickness n^* blackness n^* chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

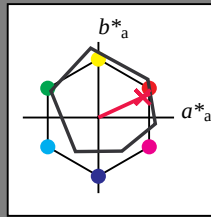
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.25)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.5)

standard and adapted CIELAB

LAB*LAB	56.71	0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.75)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.0	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.661	(1.0)
cmyn3*	0.0	0.5	0.339	(0.0)
olvi4*	1.0	0.5	0.661	(1.0)
cmyn4*	0.0	0.5	0.339	(0.0)

standard and adapted CIELAB

LAB*LAB	71.1	31.75	18.92
LAB*LABa	71.7	34.28	15.76
LAB*TCHa	75.0	37.73	24.7

relative CIELAB lab*

lab*lab	0.847	0.227	0.104
lab*tch	0.875	0.25	0.069
lab*nch	0.0	0.25	0.069

relative Natural Colour (NC)

lab*trj	0.847	0.25	0.0
lab*tce	0.875	0.25	0.0
lab*nce	0.0	0.25	0.069

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.581	(1.0)
cmyn3*	0.25	0.5	0.419	(0.0)
olvi4*	1.0	0.75	0.831	(1.0)
cmyn4*	0.0	0.25	0.169	(0.25)

standard and adapted CIELAB

LAB*LAB	64.21	16.75	10.54
LAB*LABa	64.21	17.14	7.88
LAB*TCHa	62.5	18.87	24.7

relative CIELAB lab*

lab*lab	0.597	0.227	0.104
lab*tch	0.625	0.25	0.069
lab*nch	0.0	0.25	0.069

relative Natural Colour (NC)

lab*trj	0.597	0.25	0.0
lab*tce	0.625	0.25	0.0
lab*nce	0.0	0.25	0.069

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.441	(1.0)
cmyn3*	0.25	0.75	0.589	(0.0)
olvi4*	1.0	0.5	0.661	(1.0)
cmyn4*	0.0	0.5	0.339	(0.25)

standard and adapted CIELAB

LAB*LAB	52.36	34.13	17.82
LAB*LABa	52.36	34.29	15.77
LAB*TCHa	50.0	37.74	24.7

relative CIELAB lab*

lab*lab	0.444	0.454	0.209
lab*tch	0.472	0.5	0.069
lab*nch	0.0	0.5	0.069

relative Natural Colour (NC)

lab*trj	0.444	0.5	0.0
lab*tce	0.472	0.5	0.0
lab*nce	0.0	0.5	0.069

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.161	(1.0)
cmyn3*	0.75	0.0	0.839	(0.0)
olvi4*	1.0	0.5	0.661	(1.0)
cmyn4*	0.0	0.5	0.339	(0.5)

standard and adapted CIELAB

LAB*LAB	33.01	34.49	16.31
LAB*LABa	33.01	34.28	15.77
LAB*TCHa	25.01	37.73	24.7

relative CIELAB lab*

lab*lab	0.194	0.454	0.209
lab*tch	0.25	0.5	0.069
lab*nch	0.0	0.5	0.069

relative Natural Colour (NC)

lab*trj	0.194	0.5	0.0
lab*tce	0.25	0.5	0.0
lab*nce	0.0	0.5	0.069

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

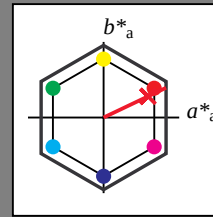
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.25)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCHa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.5)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCHa	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.75)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCHa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.0	0.5	0.456	(0.0)
olvi4*	1.0	0.75	0.831	(1.0)
cmyn4*	0.0	0.25	0.169	(0.25)

standard and adapted CIELAB

LAB*LAB	65.1	41.3	19.68
LAB*LABa	65.0	41.3	19.68
LAB*TCHa	75.0	45.75	25.48

relative CIELAB lab*

lab*lab	0.841	0.226	0.107
lab*tch	0.875	0.25	0.071
lab*nch	0.0	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.841	0.25	0.0
lab*tce	0.875	0.25	0.0
lab*nce	0.0	0.25	0.071

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.251	(1.0)
cmyn3*	0.25	0.75	0.706	(0.0)
olvi4*	1.0	0.5	0.544	0.75
cmyn4*	0.0	0.5	0.456	0.25

standard and adapted CIELAB

LAB*LAB	41.15	41.31	19.68
LAB*LABa	41.15	41.31	19.68
LAB*TCHa	50.0	45.76	25.48

relative CIELAB lab*

lab*lab	0.431	0.451	0.215
lab*tch	0.5	0.5	0.071
lab*nch	0.25	0.5	0.071

relative Natural Color (NC)

lab*lab	0.431	0.451	0.215
lab*tch	0.5	0.5	0.1
lab*nch	0.25	0.5	0.100

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

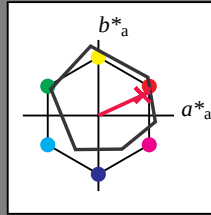
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

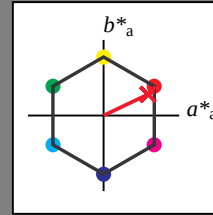
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 1.0 0.75 0.831 (1.0)
cmyn3* 0.0 0.25 0.169 (0.0)
olvi4* 1.0 0.75 0.831 (1.0)
cmyn4* 0.0 0.25 0.169 (0.0)
standard and adapted CIELAB
LAB*LAB 83.55 16.38 11.84
LAB*LABa 83.55 17.14 7.88
LAB*TCBa 87.5 18.86 24.69

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.661 (1.0)
cmyn3* 0.0 0.5 0.339 (0.0)
olvi4* 1.0 0.5 0.661 (1.0)
cmyn4* 0.0 0.5 0.339 (0.0)
standard and adapted CIELAB
LAB*LAB 71.1 31.75 18.92
LAB*LABa 71.7 34.28 15.76
LAB*TCBa 75.0 37.73 24.7

relative Inform. Technology (IT)
olvi3* 1.0 0.25 0.482 (1.0)
cmyn3* 0.0 0.25 0.518 (0.0)
olvi4* 1.0 0.25 0.482 (1.0)
cmyn4* 0.0 0.25 0.518 (0.0)
standard and adapted CIELAB
LAB*LAB 59.85 51.12 20.01
LAB*LABa 59.85 51.42 23.65
LAB*TCBa 62.5 56.6 24.7

relative Inform. Technology (IT)
olvi3* 1.0 0.125 0.322 (1.0)
cmyn3* 0.0 0.125 0.678 (0.0)
olvi4* 1.0 0.125 0.322 (1.0)
cmyn4* 0.0 0.125 0.678 (0.0)
standard and adapted CIELAB
LAB*LAB 48.0 68.48 33.09
LAB*LABa 48.0 68.56 31.53
LAB*TCBa 50.0 75.47 24.7

relative Inform. Technology (IT)
olvi3* 1.0 0.0625 0.161 (1.0)
cmyn3* 0.0 0.0625 0.839 (0.0)
olvi4* 1.0 0.0625 0.161 (1.0)
cmyn4* 0.0 0.0625 0.839 (0.0)
standard and adapted CIELAB
LAB*LAB 39.92 75.28 15.77
LAB*LABa 39.92 75.28 15.77
LAB*TCBa 42.5 81.26 24.7

relative Inform. Technology (IT)
olvi3* 1.0 0.03125 0.0805 (1.0)
cmyn3* 0.0 0.03125 0.9195 (0.0)
olvi4* 1.0 0.03125 0.0805 (1.0)
cmyn4* 0.0 0.03125 0.9195 (0.0)
standard and adapted CIELAB
LAB*LAB 30.57 87.5 11.84
LAB*LABa 30.57 87.5 11.84
LAB*TCBa 33.12 93.99 24.7

relative Inform. Technology (IT)
olvi3* 1.0 0.015625 0.04025 (1.0)
cmyn3* 0.0 0.015625 0.95975 (0.0)
olvi4* 1.0 0.015625 0.04025 (1.0)
cmyn4* 0.0 0.015625 0.95975 (0.0)
standard and adapted CIELAB
LAB*LAB 25.0 99.99 0.01
LAB*LABa 25.0 99.99 0.01
LAB*TCBa 27.12 105.99 24.7

relative Inform. Technology (IT)
olvi3* 1.0 0.0078125 0.020125 (1.0)
cmyn3* 0.0 0.0078125 0.979875 (0.0)
olvi4* 1.0 0.0078125 0.020125 (1.0)
cmyn4* 0.0 0.0078125 0.979875 (0.0)
standard and adapted CIELAB
LAB*LAB 20.0 100.0 0.0
LAB*LABa 20.0 100.0 0.0
LAB*TCBa 22.12 111.99 24.7

relative Inform. Technology (IT)
olvi3* 1.0 0.00390625 0.0100625 (1.0)
cmyn3* 0.0 0.00390625 0.9899375 (0.0)
olvi4* 1.0 0.00390625 0.0100625 (1.0)
cmyn4* 0.0 0.00390625 0.9899375 (0.0)
standard and adapted CIELAB
LAB*LAB 15.0 100.0 0.0
LAB*LABa 15.0 100.0 0.0
LAB*TCBa 17.12 123.99 24.7

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCBa 59.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.581 (1.0)
cmyn3* 0.25 0.5 0.419 (0.0)
olvi4* 1.0 0.75 0.581 (1.0)
cmyn4* 0.0 0.25 0.419 (0.0)
standard and adapted CIELAB
LAB*LAB 64.21 16.75 10.54
LAB*LABa 64.21 17.14 7.88
LAB*TCBa 62.5 18.87 24.7

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.441 (1.0)
cmyn3* 0.25 0.75 0.559 (0.0)
olvi4* 1.0 0.75 0.441 (1.0)
cmyn4* 0.0 0.25 0.559 (0.0)
standard and adapted CIELAB
LAB*LAB 52.36 34.13 17.82
LAB*LABa 52.36 34.29 15.77
LAB*TCBa 50.0 37.74 24.7

relative Inform. Technology (IT)
olvi3* 0.75 0.125 0.313 (1.0)
cmyn3* 0.25 0.125 0.687 (0.0)
olvi4* 1.0 0.75 0.313 (1.0)
cmyn4* 0.0 0.25 0.687 (0.0)
standard and adapted CIELAB
LAB*LAB 40.0 68.48 33.09
LAB*LABa 40.0 68.56 31.53
LAB*TCBa 42.5 75.47 24.7

relative Inform. Technology (IT)
olvi3* 0.75 0.0625 0.188 (1.0)
cmyn3* 0.25 0.0625 0.812 (0.0)
olvi4* 1.0 0.75 0.188 (1.0)
cmyn4* 0.0 0.25 0.812 (0.0)
standard and adapted CIELAB
LAB*LAB 30.0 75.28 15.77
LAB*LABa 30.0 75.28 15.77
LAB*TCBa 32.5 81.26 24.7

relative Inform. Technology (IT)
olvi3* 0.75 0.03125 0.094 (1.0)
cmyn3* 0.25 0.03125 0.906 (0.0)
olvi4* 1.0 0.75 0.094 (1.0)
cmyn4* 0.0 0.25 0.906 (0.0)
standard and adapted CIELAB
LAB*LAB 25.0 99.99 0.01
LAB*LABa 25.0 99.99 0.01
LAB*TCBa 27.12 105.99 24.7

relative Inform. Technology (IT)
olvi3* 0.75 0.015625 0.047 (1.0)
cmyn3* 0.25 0.015625 0.953 (0.0)
olvi4* 1.0 0.75 0.047 (1.0)
cmyn4* 0.0 0.25 0.953 (0.0)
standard and adapted CIELAB
LAB*LAB 20.0 100.0 0.0
LAB*LABa 20.0 100.0 0.0
LAB*TCBa 22.12 111.99 24.7

relative Inform. Technology (IT)
olvi3* 0.75 0.0078125 0.0235 (1.0)
cmyn3* 0.25 0.0078125 0.9765 (0.0)
olvi4* 1.0 0.75 0.0235 (1.0)
cmyn4* 0.0 0.25 0.9765 (0.0)
standard and adapted CIELAB
LAB*LAB 15.0 100.0 0.0
LAB*LABa 15.0 100.0 0.0
LAB*TCBa 17.12 123.99 24.7

relative Inform. Technology (IT)
olvi3* 0.75 0.00390625 0.01175 (1.0)
cmyn3* 0.25 0.00390625 0.98825 (0.0)
olvi4* 1.0 0.75 0.01175 (1.0)
cmyn4* 0.0 0.25 0.98825 (0.0)
standard and adapted CIELAB
LAB*LAB 10.0 100.0 0.0
LAB*LABa 10.0 100.0 0.0
LAB*TCBa 12.12 145.99 24.7

relative Inform. Technology (IT)
olvi3* 0.75 0.001953125 0.005875 (1.0)
cmyn3* 0.25 0.001953125 0.994125 (0.0)
olvi4* 1.0 0.75 0.005875 (1.0)
cmyn4* 0.0 0.25 0.994125 (0.0)
standard and adapted CIELAB
LAB*LAB 5.0 100.0 0.0
LAB*LABa 5.0 100.0 0.0
LAB*TCBa 7.12 171.99 24.7

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.331 (1.0)
cmyn3* 0.5 0.25 0.669 (0.0)
olvi4* 1.0 0.5 0.331 (1.0)
cmyn4* 0.0 0.25 0.669 (0.0)
standard and adapted CIELAB
LAB*LAB 44.86 17.13 9.23
LAB*LABa 44.86 17.14 7.88
LAB*TCBa 37.5 18.87 24.7

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.331 (1.0)
cmyn3* 0.5 0.25 0.669 (0.0)
olvi4* 1.0 0.5 0.331 (1.0)
cmyn4* 0.0 0.25 0.669 (0.0)
standard and adapted CIELAB
LAB*LAB 44.86 17.13 9.23
LAB*LABa 44.86 17.14 7.88
LAB*TCBa 37.5 18.87 24.7

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.331 (1.0)
cmyn3* 0.5 0.25 0.669 (0.0)
olvi4* 1.0 0.5 0.331 (1.0)
cmyn4* 0.0 0.25 0.669 (0.0)
standard and adapted CIELAB
LAB*LAB 44.86 17.13 9.23
LAB*LABa 44.86 17.14 7.88
LAB*TCBa 37.5 18.87 24.7

relative Inform. Technology (IT)
olvi3* 0.5 0.125 0.242 (1.0)
cmyn3* 0.5 0.125 0.758 (0.0)
olvi4* 1.0 0.5 0.242 (1.0)
cmyn4* 0.0 0.125 0.758 (0.0)
standard and adapted CIELAB
LAB*LAB 33.01 34.49 16.31
LAB*LABa 33.01 34.28 15.77
LAB*TCBa 35.01 37.73 24.7

relative Inform. Technology (IT)
olvi3* 0.5 0.0625 0.188 (1.0)
cmyn3* 0.5 0.0625 0.812 (0.0)
olvi4* 1.0 0.5 0.188 (1.0)
cmyn4* 0.0 0.0625 0.812 (0.0)
standard and adapted CIELAB
LAB*LAB 25.0 99.99 0.01
LAB*LABa 25.0 99.99 0.01
LAB*TCBa 27.12 105.99 24.7

relative Inform. Technology (IT)
olvi3* 0.5 0.03125 0.094 (1.0)
cmyn3* 0.5 0.03125 0.906 (0.0)
olvi4* 1.0 0.5 0.094 (1.0)
cmyn4* 0.0 0.03125 0.906 (0.0)
standard and adapted CIELAB
LAB*LAB 20.0 100.0 0.0
LAB*LABa 20.0 100.0 0.0
LAB*TCBa 22.12 111.99 24.7

relative Inform. Technology (IT)
olvi3* 0.5 0.015625 0.047 (1.0)
cmyn3* 0.5 0.015625 0.953 (0.0)
olvi4* 1.0 0.5 0.047 (1.0)
cmyn4* 0.0 0.015625 0.953 (0.0)
standard and adapted CIELAB
LAB*LAB 15.0 100.0 0.0
LAB*LABa 15.0 100.0 0.0
LAB*TCBa 17.12 123.99 24.7

relative Inform. Technology (IT)
olvi3* 0.5 0.0078125 0.0235 (1.0)
cmyn3* 0.5 0.0078125 0.9765 (0.0)
olvi4* 1.0 0.5 0.0235 (1.0)
cmyn4* 0.0 0.0078125 0.9765 (0.0)
standard and adapted CIELAB
LAB*LAB 10.0 100.0 0.0
LAB*LABa 10.0 100.0 0.0
LAB*TCBa 12.12 145.99 24.7

relative Inform. Technology (IT)
olvi3* 0.5 0.00390625 0.01175 (1.0)
cmyn3* 0.5 0.00390625 0.98825 (0.0)
olvi4* 1.0 0.5 0.01175 (1.0)
cmyn4* 0.0 0.00390625 0.98825 (0.0)
standard and adapted CIELAB
LAB*LAB 5.0 100.0 0.0
LAB*LABa 5.0 100.0 0.0
LAB*TCBa 7.12 171.99 24.7

relative Inform. Technology (IT)
olvi3* 0.5 0.001953125 0.005875 (1.0)
cmyn3* 0.5 0.001953125 0.994125 (0.0)
olvi4* 1.0 0.5 0.005875 (1.0)
cmyn4* 0.0 0.001953125 0.994125 (0.0)
standard and adapted CIELAB
LAB*LAB 2.5 100.0 0.0
LAB*LABa 2.5 100.0 0.0
LAB*TCBa 4.12 227.99 24.7

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCBa 35.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCBa 35.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCBa 35.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.125 0.125 (1.0)
cmyn3* 0.75 0.125 0.875 (0.0)
olvi4* 1.0 1.0 0.125 (1.0)
cmyn4* 0.0 0.0 0.875 (0.0)
standard and adapted CIELAB
LAB*LAB 30.0 75.28 15.77
LAB*LABa 30.0 75.28 15.77
LAB*TCBa 32.5 81.26 24.7

relative Inform. Technology (IT)
olvi3* 0.25 0.0625 0.0625 (1.0)
cmyn3* 0.75 0.0625 0.9375 (0.0)
olvi4* 1.0 1.0 0.0625 (1.0)
cmyn4* 0.0 0.0 0.9375 (0.0)
standard and adapted CIELAB
LAB*LAB 25.0 99.99 0.01
LAB*LABa 25.0 99.99 0.01
LAB*TCBa 27.12 105.99 24.7

relative Inform. Technology (IT)
olvi3* 0.25 0.03125 0.03125 (1.0)
cmyn3* 0.75 0.03125 0.96875 (0.0)
olvi4* 1.0 1.0 0.03125 (1.0)
cmyn4* 0.0 0.0 0.96875 (0.0)
standard and adapted CIELAB
LAB*LAB 20.0 100.0 0.0
LAB*LABa 20.0 100.0 0.0
LAB*TCBa 22.12 111.99 24.7

relative Inform. Technology (IT)
olvi3* 0.25 0.015625 0.015625 (1.0)
cmyn3* 0.75 0.015625 0.984375 (0.0)
olvi4* 1.0 1.0 0.015625 (1.0)
cmyn4* 0.0 0.0 0.984375 (0.0)
standard and adapted CIELAB
LAB*LAB 15.0 100.0 0.0
LAB*LABa 15.0 100.0 0.0
LAB*TCBa 17.12 123.99 24.7

relative Inform. Technology (IT)
olvi3* 0.25 0.0078125 0.0078125 (1.0)
cmyn3* 0.75 0.0078125 0.9921875 (0.0)
olvi4* 1.0 1.0 0.0078125 (1.0)
cmyn4* 0.0 0.0 0.9921875 (0.0)
standard and adapted CIELAB
LAB*LAB 10.0 100.0 0.0
LAB*LABa 10.0 100.0 0.0
LAB*TCBa 12.12 145.99 24.7

relative Inform. Technology (IT)
olvi3* 0.25 0.00390625 0.00390625 (1.0)
cmyn3* 0.75 0.00390625 0.99609375 (0.0)
olvi4* 1.0 1.0 0.00390625 (1.0)
cmyn4* 0.0 0.0 0.99609375 (0.0)
standard and adapted CIELAB
LAB*LAB 5.0 100.0 0.0
LAB*LABa 5.0 100.0 0.0
LAB*TCBa 7.12 171.99 24.7

relative Inform. Technology (IT)
olvi3* 0.25 0.001953125 0.001953125 (1.0)
cmyn3* 0.75 0.001953125 0.998046875 (0.0)
olvi4* 1.0 1.0 0.001953125 (1.0)
cmyn4* 0.0 0.0 0.998046875 (0.0)
standard and adapted CIELAB
LAB*LAB 2.5 100.0 0.0
LAB*LABa 2.5 100.0 0.0
LAB*TCBa 4.12 227.99 24.7

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCBa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCBa 0.01

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

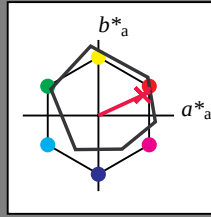
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.75 0.831 (1.0)
cmyn3* 0.0 0.25 0.169 (0.0)
olvi4* 1.0 0.75 0.831 (1.0)
cmyn4* 0.0 0.25 0.169 (0.0)
standard and adapted CIELAB
LAB*LAB 83.55 16.38 11.84
LAB*LABa 83.55 17.14 7.88
LAB*LABb 87.5 18.86 24.69

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.581 (1.0)
cmyn3* 0.25 0.5 0.419 (0.0)
olvi4* 1.0 0.75 0.831 (1.0)
cmyn4* 0.0 0.25 0.169 (0.0)
standard and adapted CIELAB
LAB*LAB 64.21 16.75 10.54
LAB*LABa 64.21 17.14 7.88
LAB*LABb 62.5 18.87 24.7

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.331 (1.0)
cmyn3* 0.5 0.75 0.669 (0.0)
olvi4* 1.0 0.75 0.831 (1.0)
cmyn4* 0.0 0.25 0.169 (0.0)
standard and adapted CIELAB
LAB*LAB 44.86 17.13 9.23
LAB*LABa 44.86 17.14 7.88
LAB*LABb 37.5 18.87 24.7

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.081 (1.0)
cmyn3* 0.75 1.0 0.919 (0.0)
olvi4* 1.0 0.75 0.831 (1.0)
cmyn4* 0.0 0.25 0.169 (0.0)
standard and adapted CIELAB
LAB*LAB 25.51 17.49 7.92
LAB*LABa 25.51 17.14 7.88
LAB*LABb 12.5 18.86 24.71

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.661 (1.0)
cmyn3* 0.0 0.5 0.339 (0.0)
olvi4* 1.0 0.5 0.661 (1.0)
cmyn4* 0.0 0.5 0.339 (0.0)
standard and adapted CIELAB
LAB*LAB 71.37 18.92
LAB*LABa 71.7 34.28 15.76
LAB*LABb 75.0 37.73 24.7

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.452 (1.0)
cmyn3* 0.25 0.5 0.069 (0.0)
olvi4* 1.0 0.5 0.661 (1.0)
cmyn4* 0.0 0.5 0.339 (0.0)
standard and adapted CIELAB
LAB*LAB 59.85 51.12 23.61
LAB*LABa 59.85 51.42 23.65
LAB*LABb 62.5 56.6 24.7

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.411 (1.0)
cmyn3* 0.25 0.75 0.589 (0.0)
olvi4* 1.0 0.5 0.661 (1.0)
cmyn4* 0.0 0.5 0.339 (0.0)
standard and adapted CIELAB
LAB*LAB 52.36 34.13 17.62
LAB*LABa 52.36 34.29 15.77
LAB*LABb 50.0 37.74 24.7

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.161 (1.0)
cmyn3* 0.5 1.0 0.839 (0.0)
olvi4* 1.0 0.5 0.661 (1.0)
cmyn4* 0.0 0.5 0.339 (0.0)
standard and adapted CIELAB
LAB*LAB 33.01 34.49 16.31
LAB*LABa 33.01 34.28 15.77
LAB*LABb 25.01 37.73 24.7

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

relative Inform. Technology (IT)
olvi3* 1.0 0.25 0.482 (1.0)
cmyn3* 0.0 0.75 0.508 (0.0)
olvi4* 1.0 0.25 0.482 (1.0)
cmyn4* 0.0 0.75 0.508 (0.0)
standard and adapted CIELAB
LAB*LAB 59.85 51.12 23.61
LAB*LABa 59.85 51.42 23.65
LAB*LABb 62.5 56.6 24.7

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.242 (1.0)
cmyn3* 0.25 1.0 0.750 (0.0)
olvi4* 1.0 0.25 0.482 (1.0)
cmyn4* 0.0 0.75 0.508 (0.0)
standard and adapted CIELAB
LAB*LAB 48.0 68.48 33.09
LAB*LABa 48.0 68.56 31.53
LAB*LABb 50.0 75.47 24.7

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.161 (1.0)
cmyn3* 0.5 1.0 0.839 (0.0)
olvi4* 1.0 0.5 0.661 (1.0)
cmyn4* 0.0 0.5 0.339 (0.0)
standard and adapted CIELAB
LAB*LAB 33.01 34.49 16.31
LAB*LABa 33.01 34.28 15.77
LAB*LABb 25.01 37.73 24.7

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.0 0.322 (1.0)
cmyn3* 0.0 1.0 0.678 (0.0)
olvi4* 1.0 0.0 0.322 (1.0)
cmyn4* 0.0 1.0 0.678 (0.0)
standard and adapted CIELAB
LAB*LAB 48.0 68.48 33.09
LAB*LABa 48.0 68.56 31.53
LAB*LABb 50.0 75.47 24.7

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.661 (1.0)
cmyn4* 0.0 0.5 0.339 (0.0)
standard and adapted CIELAB
LAB*LAB 52.36 34.13 17.62
LAB*LABa 52.36 34.29 15.77
LAB*LABb 50.0 37.74 24.7

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 0.25 0.482 (1.0)
cmyn4* 0.0 0.75 0.508 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

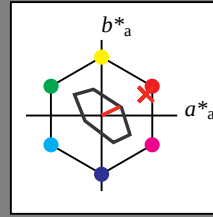
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.75 0.831 (1.0)
cmyn4* 0.0 0.25 0.169 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*LABb 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.661 (1.0)
cmyn4* 0.0 0.5 0.339 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 0.25 0.482 (1.0)
cmyn4* 0.0 0.75 0.508 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.661 (1.0)
cmyn3* 0.0 0.5 0.339 (0.0)
olvi4* 1.0 0.5 0.661 (1.0)
cmyn4* 0.0 0.5 0.339 (0.0)
standard and adapted CIELAB
LAB*LAB 71.37 18.92
LAB*LABa 71.7 34.28 15.76
LAB*LABb 75.0 37.73 24.7

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.452 (1.0)
cmyn3* 0.25 0.5 0.069 (0.0)
olvi4* 1.0 0.5 0.661 (1.0)
cmyn4* 0.0 0.5 0.339 (0.0)
standard and adapted CIELAB
LAB*LAB 59.85 51.12 23.61
LAB*LABa 59.85 51.42 23.65
LAB*LABb 62.5 56.6 24.7

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.411 (1.0)
cmyn3* 0.25 0.75 0.589 (0.0)
olvi4* 1.0 0.5 0.661 (1.0)
cmyn4* 0.0 0.5 0.339 (0.0)
standard and adapted CIELAB
LAB*LAB 52.36 34.13 17.62
LAB*LABa 52.36 34.29 15.77
LAB*LABb 50.0 37.74 24.7

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.161 (1.0)
cmyn3* 0.5 1.0 0.839 (0.0)
olvi4* 1.0 0.25 0.482 (1.0)
cmyn4* 0.0 0.75 0.508 (0.0)
standard and adapted CIELAB
LAB*LAB 33.01 34.49 16.31
LAB*LABa 33.01 34.28 15.77
LAB*LABb 25.01 37.73 24.7

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.25 0.512 (1.0)
cmyn3* 0.25 0.488 (0.0)
olvi4* 1.0 0.25 0.482 (1.0)
cmyn4* 0.0 0.238 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 84.41 6.14 2.92
LAB*LABa 84.41 6.14 2.92
LAB*LABb 82.5 6.8 25.48

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.25 (1.0)
cmyn3* 0.25 0.75 0.75 (0.0)
olvi4* 1.0 0.25 0.482 (1.0)
cmyn4* 0.0 0.238 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 79.9 12.27 5.85
LAB*LABa 79.9 12.27 5.85
LAB*LABb 50.0 13.59 25.48

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.75 0.75 (0.0)
olvi4* 1.0 0.25 0.482 (1.0)
cmyn4* 0.0 0.238 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 79.9 12.27 5.85
LAB*LABa 79.9 12.27 5.85
LAB*LABb 50.0 13.59 25.48

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 0.25 0.482 (1.0)
cmyn4* 0.0 0.75 0.508 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.661 (1.0)
cmyn3* 0.0 0.5 0.339 (0.0)
olvi4* 1.0 0.5 0.661 (1.0)
cmyn4* 0.0 0.5 0.339 (0.0)
standard and adapted CIELAB
LAB*LAB 71.37 18.92
LAB*LABa 71.7 34.28 15.76
LAB*LABb 75.0 37.73 24.7

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.452 (1.0)
cmyn3* 0.25 0.5 0.069 (0.0)
olvi4* 1.0 0.5 0.661 (1.0)
cmyn4* 0.0 0.5 0.339 (0.0)
standard and adapted CIELAB
LAB*LAB 59.85 51.12 23.61
LAB*LABa 59.85 51.42 23.65
LAB*LABb 62.5 56.6 24.7

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.411 (1.0)
cmyn3* 0.25 0.75 0.589 (0.0)
olvi4* 1.0 0.5 0.661 (1.0)
cmyn4* 0.0 0.5 0.339 (0.0)
standard and adapted CIELAB
LAB*LAB 52.36 34.13 17.62
LAB*LABa 52.36 34.29 15.77
LAB*LABb 50.0 37.74 24.7

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.161 (1.0)
cmyn3* 0.5 1.0 0.839 (0.0)
olvi4* 1.0 0.25 0.482 (1.0)
cmyn4* 0.0 0.75 0.508 (0.0)
standard and adapted CIELAB
LAB*LAB 33.01 34.49 16.31
LAB*LABa 33.01 34.28 15.77
LAB*LABb 25.01 37.73 24.7

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 1.0 0.25 0.482 (1.0)
cmyn3* 0.0 0.75 0.508 (0.0)
olvi4* 1.0 0.25 0.482 (1.0)
cmyn4* 0.0 0.75 0.508 (0.0)
standard and adapted CIELAB
LAB*LAB 59.85 51.12 23.61
LAB*LABa 59.85 51.42 23.65
LAB*LABb 62.5 56.6 24.7

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.242 (1.0)
cmyn3* 0.25 1.0 0.750 (0.0)
olvi4* 1.0 0.25 0.482 (1.0)
cmyn4* 0.0 0.75 0.508 (0.0)
standard and adapted CIELAB
LAB*LAB 48.0 68.48 33.09
LAB*LABa 48.0 68.56 31.53
LAB*LABb 50.0 75.47 24.7

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.161 (1.0)
cmyn3* 0.5 1.0 0.839 (0.0)
olvi4* 1.0 0.5 0.661 (1.0)
cmyn4* 0.0 0.5 0.339 (0.0)
standard and

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

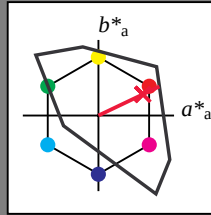
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.606 (1.0)
cmyn3* 0.0 0.5 0.394 (0.0)
olvi4* 1.0 0.5 0.606 (1.0)
cmyn4* 0.0 0.5 0.394 (0.0)
standard and adapted CIELAB
LAB*LAB 73.6 40.3 19.2
LAB*LABa 73.67 40.3 19.2
LAB*TCRa 75.0 44.64 25.47

relative CIELAB lab*
lab*lab 0.886 0.226 0.107
lab*tch 0.875 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.886 0.25 0.0
lab*tce 0.875 0.25 0.0
lab*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
olvi3* 1.0 0.25 0.409 (1.0)
cmyn3* 0.0 0.75 0.591 (0.0)
olvi4* 1.0 0.25 0.409 (1.0)
cmyn4* 0.0 0.75 0.591 (0.0)
standard and adapted CIELAB
LAB*LAB 62.81 60.46 28.81
LAB*LABa 62.81 60.46 28.81
LAB*TCRa 62.5 66.97 25.48

relative CIELAB lab*
lab*lab 0.658 0.677 0.323
lab*tch 0.625 0.75 0.071
lab*nch 0.0 0.75 0.071
relative Natural Colour (NC)
lab*trj 0.658 0.75 0.0
lab*tce 0.625 0.75 0.0
lab*nce 0.0 0.75 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.336 (1.0)
cmyn3* 0.25 0.75 0.664 (0.0)
olvi4* 1.0 0.25 0.664 (1.0)
cmyn4* 0.0 0.75 0.336 (0.0)
standard and adapted CIELAB
LAB*LAB 49.83 40.31 19.21
LAB*LABa 49.83 40.31 19.21
LAB*TCRa 50.0 44.65 25.48

relative CIELAB lab*
lab*lab 0.522 0.451 0.215
lab*tch 0.522 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.522 0.5 0.0
lab*tce 0.5 0.5 0.0
lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.106 (1.0)
cmyn3* 0.5 1.0 0.894 (0.0)
olvi4* 1.0 0.5 0.606 (1.0)
cmyn4* 0.0 0.5 0.394 (0.0)
standard and adapted CIELAB
LAB*LAB 25.98 40.3 19.21
LAB*LABa 25.98 40.3 19.21
LAB*TCRa 25.01 44.65 25.49

relative CIELAB lab*
lab*lab 0.272 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.272 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.0 0.5 0.071

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

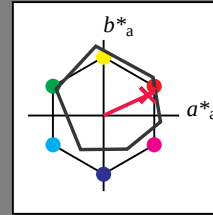
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.61 3.44
LAB*LABa 76.06 0.61 3.44
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 51.34 80.61 38.42
LAB*LABa 51.34 80.61 38.42
LAB*TCRa 50.0 89.29 25.48

relative CIELAB lab*
lab*lab 0.544 0.903 0.431
lab*tch 0.5 1.0 0.071
lab*nch 0.0 1.0 0.071
relative Natural Colour (NC)
lab*trj 0.544 1.0 0.0
lab*tce 0.5 1.0 0.0
lab*nce 0.0 1.0 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.36 0.13 0.83
LAB*LABa 27.36 0.13 0.83
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.5 -0.47
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 1.0 0.75 0.831 (1.0)
cmyn3* 0.0 0.25 0.169 (0.0)
olvi4* 1.0 0.75 0.831 (1.0)
cmyn4* 0.0 0.25 0.169 (0.0)
standard and adapted CIELAB
LAB*LAB 83.55 16.38 11.84
LAB*LABa 83.55 16.38 11.84
LAB*TCRa 87.5 16.86 24.69

relative CIELAB lab*
lab*lab 0.847 0.227 0.104
lab*tch 0.875 0.25 0.069
lab*nch 0.0 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.847 0.25 0.0
lab*tce 0.875 0.25 0.0
lab*nce 0.0 0.25 0.069

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.581 (1.0)
cmyn3* 0.25 0.5 0.419 (0.0)
olvi4* 1.0 0.5 0.831 (1.0)
cmyn4* 0.0 0.5 0.169 (0.0)
standard and adapted CIELAB
LAB*LAB 64.21 16.75 10.54
LAB*LABa 64.21 16.75 10.54
LAB*TCRa 62.5 16.87 24.7

relative CIELAB lab*
lab*lab 0.597 0.227 0.104
lab*tch 0.625 0.25 0.069
lab*nch 0.0 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.597 0.25 0.0
lab*tce 0.625 0.25 0.0
lab*nce 0.0 0.25 0.069

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.331 (1.0)
cmyn3* 0.5 0.75 0.669 (0.0)
olvi4* 1.0 0.25 0.831 (1.0)
cmyn4* 0.0 0.25 0.169 (0.0)
standard and adapted CIELAB
LAB*LAB 52.36 34.13 17.62
LAB*LABa 52.36 34.13 17.62
LAB*TCRa 50.0 37.74 24.7

relative CIELAB lab*
lab*lab 0.444 0.454 0.209
lab*tch 0.5 0.5 0.069
lab*nch 0.0 0.5 0.069
relative Natural Colour (NC)
lab*trj 0.444 0.5 0.0
lab*tce 0.5 0.5 0.0
lab*nce 0.0 0.5 0.069

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.161 (1.0)
cmyn3* 0.75 1.0 0.839 (0.0)
olvi4* 1.0 0.25 0.661 (1.0)
cmyn4* 0.0 0.25 0.339 (0.0)
standard and adapted CIELAB
LAB*LAB 33.01 34.49 16.31
LAB*LABa 33.01 34.49 16.31
LAB*TCRa 25.01 37.73 24.7

relative CIELAB lab*
lab*lab 0.194 0.454 0.209
lab*tch 0.25 0.5 0.069
lab*nch 0.0 0.5 0.069
relative Natural Colour (NC)
lab*trj 0.194 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.0 0.5 0.069

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

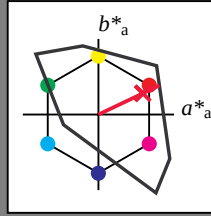
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	0.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	0.0	
lab*nce	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	0.0	
lab*nch	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	0.0	
lab*nce	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	
LAB*LABa	23.87	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	0.0	
lab*nch	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	0.0	
lab*nce	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	0.0	
lab*nce	1.0	0.0	0.0	

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.606	(1.0)
cmyn3*	0.0	0.5	0.394	(0.0)
olvi4*	1.0	0.5	0.606	(1.0)
cmyn4*	0.0	0.5	0.394	(0.0)
standard and adapted CIELAB				
LAB*LAB	73.67	40.3	19.2	
LAB*LABa	73.67	40.3	19.2	
LAB*TCRa	75.0	44.64	25.47	
relative CIELAB lab*				
lab*lab	0.772	0.451	0.215	
lab*tch	0.772	0.451	0.215	
lab*nch	0.0	0.5	0.071	
relative Natural Colour (NC)				
lab*trj	0.772	0.451	0.215	
lab*tce	0.0	0.5	0.071	
lab*nce	0.0	0.5	0.071	

relative Inform. Technology (IT)				
olvi3*	0.75	0.25	0.336	(1.0)
cmyn3*	0.25	0.75	0.664	(0.0)
olvi4*	1.0	0.5	0.606	(1.0)
cmyn4*	0.0	0.5	0.394	(0.0)
standard and adapted CIELAB				
LAB*LAB	49.83	40.3	19.2	
LAB*LABa	49.83	40.3	19.2	
LAB*TCRa	50.0	44.65	25.48	
relative CIELAB lab*				
lab*lab	0.522	0.451	0.215	
lab*tch	0.522	0.451	0.215	
lab*nch	0.25	0.5	0.071	
relative Natural Colour (NC)				
lab*trj	0.522	0.451	0.215	
lab*tce	0.25	0.5	0.071	
lab*nce	0.25	0.5	0.071	

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	0.106	(1.0)
cmyn3*	0.5	1.0	0.894	(0.0)
olvi4*	1.0	0.5	0.606	(1.0)
cmyn4*	0.0	0.5	0.394	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.98	40.3	19.2	
LAB*LABa	25.98	40.3	19.2	
LAB*TCRa	25.01	44.65	25.49	
relative CIELAB lab*				
lab*lab	0.272	0.451	0.215	
lab*tch	0.272	0.451	0.215	
lab*nch	0.5	0.5	0.071	
relative Natural Colour (NC)				
lab*trj	0.272	0.451	0.215	
lab*tce	0.5	0.5	0.071	
lab*nce	0.5	0.5	0.071	

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.053	(1.0)
cmyn3*	0.75	1.0	0.947	(0.0)
olvi4*	1.0	0.75	0.803	(1.0)
cmyn4*	0.0	0.25	0.197	(0.0)
standard and adapted CIELAB				
LAB*LAB	13.0	20.15	9.61	
LAB*LABa	13.0	20.15	9.61	
LAB*TCRa	12.5	22.32	25.5	
relative CIELAB lab*				
lab*lab	0.136	0.226	0.108	
lab*tch	0.136	0.226	0.108	
lab*nch	0.75	0.25	0.071	
relative Natural Colour (NC)				
lab*trj	0.136	0.226	0.108	
lab*tce	0.75	0.25	0.071	
lab*nce	0.75	0.25	0.071	

$n^* = 0,25$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	0.0	
lab*nce	1.0	0.0	0.0	

$n^* = 0,00$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

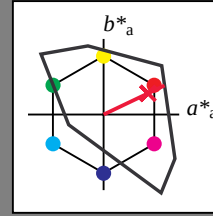
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	-	
relative CIELAB lab*				
lab*Lab	1.0	0.0*	0.0	
lab*Labh	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*lrj	1.0	0.0	0.0	
lab*rice	1.0	0.0	-	
lab*nCE	0.0	0.0	-	

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

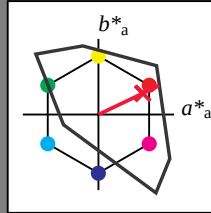
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*LABa \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*LABa \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ 0.0$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*LABa \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ -$

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 0.606 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.394 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.606 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.394 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 73.6 \ 40.3 \ 19.2$
 $LAB^*LABa \ 73.67 \ 40.3 \ 19.2$
 $LAB^*TCha \ 75.0 \ 44.64 \ 25.47$

relative CIELAB lab*
 $lab^*lab \ 0.886 \ 0.226 \ 0.107$
 $lab^*tch \ 0.875 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.886 \ 0.25 \ 0.0$
 $lab^*tce \ 0.875 \ 0.25 \ 0.0$
 $lab^*nce \ 0.0 \ 0.25 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.553 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.447 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.75 \ 0.803 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.197 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 60.63 \ 20.16 \ 9.6$
 $LAB^*LABa \ 60.69 \ 20.16 \ 9.6$
 $LAB^*TCha \ 62.5 \ 22.32 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.636 \ 0.226 \ 0.108$
 $lab^*tch \ 0.625 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.636 \ 0.25 \ 0.0$
 $lab^*tce \ 0.625 \ 0.25 \ 0.0$
 $lab^*nce \ 0.25 \ 0.25 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.303 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.697 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.75 \ 0.803 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.197 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 36.84 \ 20.16 \ 9.6$
 $LAB^*LABa \ 36.84 \ 20.16 \ 9.6$
 $LAB^*TCha \ 37.5 \ 22.32 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.386 \ 0.226 \ 0.108$
 $lab^*tch \ 0.375 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.386 \ 0.25 \ 0.0$
 $lab^*tce \ 0.375 \ 0.25 \ 0.0$
 $lab^*nce \ 0.5 \ 0.25 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.0 \ 0.106 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.606 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.394 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 25.98 \ 40.3 \ 19.21$
 $LAB^*LABa \ 25.98 \ 40.3 \ 19.21$
 $LAB^*TCha \ 25.01 \ 44.65 \ 25.49$

relative CIELAB lab*
 $lab^*lab \ 0.522 \ 0.451 \ 0.215$
 $lab^*tch \ 0.522 \ 0.5 \ 0.071$
 $lab^*nch \ 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.522 \ 0.5 \ 0.0$
 $lab^*tce \ 0.522 \ 0.5 \ 0.0$
 $lab^*nce \ 0.0 \ 0.5 \ 0.099$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 23/360 = 0.065$

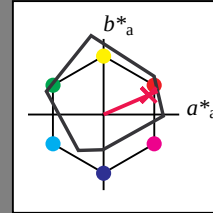
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.38 \ 0.44 \ 2.45$
 $LAB^*LABa \ 76.38 \ 0.44 \ 2.45$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 51.34 \ 80.61 \ 38.42$
 $LAB^*LABa \ 51.34 \ 80.61 \ 38.42$
 $LAB^*TCha \ 50.0 \ 89.29 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.544 \ 0.903 \ 0.431$
 $lab^*tch \ 0.5 \ 1.0 \ 0.071$
 $lab^*nch \ 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.544 \ 1.0 \ 0.0$
 $lab^*tce \ 0.5 \ 1.0 \ 0.0$
 $lab^*nce \ 0.0 \ 1.0 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 36.5 \ 109.219$
 $LAB^*LABa \ 36.5 \ 109.219$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.57 \ 0.0 \ 0.0$
 $LAB^*LABa \ 16.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ -$

$n^* = 1,0$

5 step scales for constant CIELAB hue 23/360 = 0.065 (right)

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.75 \ 0.844 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.25 \ 0.156 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.75 \ 0.844 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.156 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 82.83 \ 17.51 \ 10.19$
 $LAB^*LABa \ 82.83 \ 17.51 \ 10.19$
 $LAB^*TCha \ 87.5 \ 19.43 \ 23.31$

relative CIELAB lab*
 $lab^*lab \ 0.831 \ 0.229 \ 0.099$
 $lab^*tch \ 0.875 \ 0.25 \ 0.065$
 $lab^*nch \ 0.0 \ 0.25 \ 0.065$
 relative Natural Colour (NC)
 $lab^*trj \ 0.831 \ 0.25 \ 0.0$
 $lab^*tce \ 0.875 \ 0.25 \ 0.0$
 $lab^*nce \ 0.0 \ 0.25 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.594 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.406 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.75 \ 0.844 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.156 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 62.89 \ 17.19 \ 10.07$
 $LAB^*LABa \ 62.89 \ 17.19 \ 10.07$
 $LAB^*TCha \ 62.5 \ 19.44 \ 23.32$

relative CIELAB lab*
 $lab^*lab \ 0.581 \ 0.23 \ 0.099$
 $lab^*tch \ 0.625 \ 0.25 \ 0.065$
 $lab^*nch \ 0.0 \ 0.25 \ 0.065$
 relative Natural Colour (NC)
 $lab^*trj \ 0.581 \ 0.25 \ 0.0$
 $lab^*tce \ 0.625 \ 0.25 \ 0.0$
 $lab^*nce \ 0.25 \ 0.25 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.344 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.656 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.75 \ 0.844 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.156 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 49.42 \ 34.82 \ 17.68$
 $LAB^*LABa \ 49.42 \ 34.82 \ 17.68$
 $LAB^*TCha \ 50.0 \ 38.88 \ 23.32$

relative CIELAB lab*
 $lab^*lab \ 0.412 \ 0.459 \ 0.198$
 $lab^*tch \ 0.412 \ 0.5 \ 0.065$
 $lab^*nch \ 0.0 \ 0.25 \ 0.065$
 relative Natural Colour (NC)
<

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

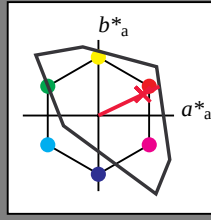
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.5 0.394 (0.0)
olvi4* 1.0 0.5 0.606 (0.0)
cmyn4* 0.0 0.5 0.394 (0.0)

standard and adapted CIELAB
LAB*LAB 73.6 40.3 19.2
LAB*LABa 73.67 40.3 19.2
LAB*LABb 75.0 44.64 25.47

relative CIELAB lab*
lab*lab 0.886 0.226 0.107
lab*tch 0.875 0.25 0.071
lab*nch 0.0 0.5 0.071

relative Natural Colour (NC)
lab*trj 0.886 0.25 0.0
lab*tce 0.875 0.25 0.0
lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 1.0 0.25 0.409 (1.0)
cmyn3* 0.0 0.75 0.591 (0.0)
olvi4* 1.0 0.25 0.409 (1.0)
cmyn4* 0.0 0.75 0.591 (0.0)

standard and adapted CIELAB
LAB*LAB 62.81 60.46 28.81
LAB*LABa 62.81 60.46 28.81
LAB*LABb 62.5 66.97 25.48

relative CIELAB lab*
lab*lab 0.658 0.677 0.323
lab*tch 0.625 0.75 0.071
lab*nch 0.0 0.75 0.071

relative Natural Colour (NC)
lab*trj 0.658 0.75 0.0
lab*tce 0.625 0.75 0.0
lab*nce 0.0 0.75 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.336 (1.0)
cmyn3* 0.25 0.75 0.644 (0.0)
olvi4* 1.0 0.25 0.644 (0.0)
cmyn4* 0.0 0.25 0.336 (0.0)

standard and adapted CIELAB
LAB*LAB 49.83 40.31 19.21
LAB*LABa 49.83 40.31 19.21
LAB*LABb 50.0 44.65 25.48

relative CIELAB lab*
lab*lab 0.522 0.451 0.215
lab*tch 0.522 0.5 0.0
lab*nch 0.0 0.5 0.071

relative Natural Colour (NC)
lab*trj 0.522 0.5 0.0
lab*tce 0.5 0.5 0.0
lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.106 (1.0)
cmyn3* 0.5 1.0 0.894 (0.0)
olvi4* 1.0 0.5 0.606 (0.0)
cmyn4* 0.0 0.5 0.394 (0.0)

standard and adapted CIELAB
LAB*LAB 25.98 40.3 19.21
LAB*LABa 25.98 40.3 19.21
LAB*LABb 25.01 44.65 25.48

relative CIELAB lab*
lab*lab 0.272 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.0 0.5 0.071

relative Natural Colour (NC)
lab*trj 0.272 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.0 0.5 0.071

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

0,25

0,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

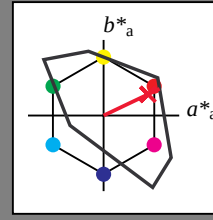
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.5 0.431 (0.0)
olvi4* 1.0 0.5 0.569 (1.0)
cmyn4* 0.0 0.5 0.431 (0.0)

standard and adapted CIELAB
LAB*LAB 74.51 37.03 17.64
LAB*LABa 74.51 37.03 17.64
LAB*LABb 75.0 41.02 25.48

relative CIELAB lab*
lab*lab 0.73 0.451 0.215
lab*tch 0.73 0.5 0.071
lab*nch 0.0 0.5 0.071

relative Natural Colour (NC)
lab*trj 0.73 0.5 0.0
lab*tce 0.73 0.5 0.0
lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.339 (1.0)
cmyn3* 0.25 0.75 0.646 (0.0)
olvi4* 1.0 0.25 0.646 (0.0)
cmyn4* 0.0 0.25 0.339 (0.0)

standard and adapted CIELAB
LAB*LAB 55.17 37.04 17.65
LAB*LABa 55.17 37.04 17.65
LAB*LABb 50.0 41.03 25.48

relative CIELAB lab*
lab*lab 0.615 0.226 0.108
lab*tch 0.625 0.25 0.071
lab*nch 0.0 0.25 0.071

relative Natural Colour (NC)
lab*trj 0.615 0.25 0.0
lab*tce 0.625 0.25 0.0
lab*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.285 (1.0)
cmyn3* 0.5 0.75 0.715 (0.0)
olvi4* 1.0 0.25 0.715 (0.0)
cmyn4* 0.0 0.25 0.285 (0.0)

standard and adapted CIELAB
LAB*LAB 46.26 18.52 8.82
LAB*LABa 46.26 18.52 8.82
LAB*LABb 37.5 20.51 25.48

relative CIELAB lab*
lab*lab 0.365 0.226 0.108
lab*tch 0.375 0.25 0.071
lab*nch 0.0 0.25 0.071

relative Natural Colour (NC)
lab*trj 0.365 0.25 0.0
lab*tce 0.375 0.25 0.0
lab*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.035 (1.0)
cmyn3* 0.75 1.0 0.965 (0.0)
olvi4* 1.0 0.75 0.785 (0.0)
cmyn4* 0.0 0.25 0.215 (0.0)

standard and adapted CIELAB
LAB*LAB 26.92 18.51 8.83
LAB*LABa 26.92 18.51 8.83
LAB*LABb 12.5 20.51 25.5

relative CIELAB lab*
lab*lab 0.115 0.226 0.108
lab*tch 0.125 0.25 0.071
lab*nch 0.0 0.25 0.071

relative Natural Colour (NC)
lab*trj 0.115 0.25 0.0
lab*tce 0.125 0.25 0.0
lab*nce 0.0 0.25 0.071

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

0,25

0,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

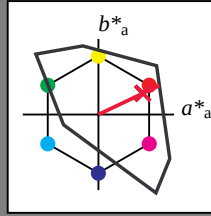
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCh 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
 LAB^*LAB 71.57 0.0 0.0
 LAB^*LABa 71.57 0.0 0.0
 LAB^*TCh 75.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
 LAB^*LAB 47.72 0.0 0.0
 LAB^*LABa 47.72 0.0 0.0
 LAB^*TCh 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 0.0
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
 LAB^*LAB 23.87 0.0 0.0
 LAB^*LABa 23.87 0.0 0.0
 LAB^*TCh 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
 LAB^*LAB 0.03 0.0 0.0
 LAB^*LABa 0.03 0.0 0.0
 LAB^*TCh 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.5 0.606 (1.0)
 $cmyn3^*$ 0.0 0.5 0.394 (0.0)
 $olvi4^*$ 1.0 0.5 0.606 (1.0)
 $cmyn4^*$ 0.0 0.5 0.394 (0.0)
standard and adapted CIELAB
 LAB^*LAB 73.67 40.3 19.2
 LAB^*LABa 73.67 40.3 19.2
 LAB^*TCh 75.0 44.64 25.47

relative CIELAB lab*
 lab^*lab 0.886 0.226 0.107
 lab^*tch 0.875 0.25 0.071
 lab^*nch 0.0 0.25 0.071
relative Natural Colour (NC)
 lab^*trj 0.886 0.25 0.0
 lab^*tce 0.875 0.25 0.0
 lab^*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.5 0.553 (1.0)
 $cmyn3^*$ 0.25 0.5 0.447 (0.0)
 $olvi4^*$ 1.0 0.5 0.553 (1.0)
 $cmyn4^*$ 0.0 0.5 0.447 (0.0)
standard and adapted CIELAB
 LAB^*LAB 60.63 20.16 9.6
 LAB^*LABa 60.63 20.16 9.6
 LAB^*TCh 62.5 22.32 25.47

relative CIELAB lab*
 lab^*lab 0.636 0.226 0.108
 lab^*tch 0.625 0.25 0.071
 lab^*nch 0.0 0.25 0.071
relative Natural Colour (NC)
 lab^*trj 0.636 0.25 0.0
 lab^*tce 0.625 0.25 0.0
 lab^*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.25 0.303 (1.0)
 $cmyn3^*$ 0.5 0.25 0.697 (0.0)
 $olvi4^*$ 1.0 0.25 0.303 (1.0)
 $cmyn4^*$ 0.0 0.25 0.697 (0.0)
standard and adapted CIELAB
 LAB^*LAB 36.84 20.16 9.6
 LAB^*LABa 36.84 20.16 9.6
 LAB^*TCh 37.5 22.32 25.47

relative CIELAB lab*
 lab^*lab 0.386 0.226 0.108
 lab^*tch 0.375 0.25 0.071
 lab^*nch 0.0 0.25 0.071
relative Natural Colour (NC)
 lab^*trj 0.386 0.25 0.0
 lab^*tce 0.375 0.25 0.0
 lab^*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.0 0.108 (1.0)
 $cmyn3^*$ 0.75 1.0 0.894 (0.0)
 $olvi4^*$ 1.0 0.5 0.606 (1.0)
 $cmyn4^*$ 0.0 0.0 0.394 (0.0)
standard and adapted CIELAB
 LAB^*LAB 25.98 40.3 19.21
 LAB^*LABa 25.98 40.3 19.21
 LAB^*TCh 25.01 44.65 25.49

relative CIELAB lab*
 lab^*lab 0.522 0.451 0.215
 lab^*tch 0.522 0.451 0.215
 lab^*nch 0.0 0.5 0.071
relative Natural Colour (NC)
 lab^*trj 0.522 0.451 0.215
 lab^*tce 0.522 0.451 0.215
 lab^*nce 0.0 0.5 0.071

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

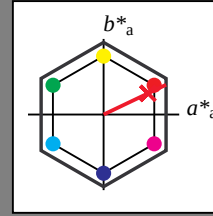
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCh 99.99 0.02 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
 LAB^*LAB 71.57 0.0 0.0
 LAB^*LABa 71.57 0.0 0.0
 LAB^*TCh 75.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
 LAB^*LAB 47.72 0.0 0.0
 LAB^*LABa 47.72 0.0 0.0
 LAB^*TCh 50.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 0.0
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
 LAB^*LAB 23.87 0.0 0.0
 LAB^*LABa 23.87 0.0 0.0
 LAB^*TCh 25.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
 LAB^*LAB 0.03 0.0 0.0
 LAB^*LABa 0.03 0.0 0.0
 LAB^*TCh 0.01 0.02 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.5 0.524 (1.0)
 $cmyn3^*$ 0.0 0.5 0.456 (0.0)
 $olvi4^*$ 1.0 0.5 0.524 (1.0)
 $cmyn4^*$ 0.0 0.5 0.456 (0.0)
standard and adapted CIELAB
 LAB^*LAB 65.0 41.3 19.68
 LAB^*LABa 65.0 41.3 19.68
 LAB^*TCh 75.0 45.75 25.48

relative CIELAB lab*
 lab^*lab 0.841 0.226 0.107
 lab^*tch 0.875 0.25 0.071
 lab^*nch 0.0 0.25 0.071
relative Natural Colour (NC)
 lab^*trj 0.841 0.25 0.0
 lab^*tce 0.841 0.25 0.0
 lab^*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.5 0.522 (1.0)
 $cmyn3^*$ 0.25 0.5 0.478 (0.0)
 $olvi4^*$ 1.0 0.5 0.522 (1.0)
 $cmyn4^*$ 0.0 0.5 0.478 (0.0)
standard and adapted CIELAB
 LAB^*LAB 56.35 20.66 9.84
 LAB^*LABa 56.35 20.66 9.84
 LAB^*TCh 62.5 22.87 25.48

relative CIELAB lab*
 lab^*lab 0.591 0.226 0.108
 lab^*tch 0.625 0.25 0.071
 lab^*nch 0.0 0.25 0.071
relative Natural Colour (NC)
 lab^*trj 0.591 0.25 0.0
 lab^*tce 0.625 0.25 0.0
 lab^*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.25 0.272 (1.0)
 $cmyn3^*$ 0.5 0.25 0.728 (0.0)
 $olvi4^*$ 1.0 0.25 0.272 (1.0)
 $cmyn4^*$ 0.0 0.25 0.728 (0.0)
standard and adapted CIELAB
 LAB^*LAB 41.15 41.31 19.68
 LAB^*LABa 41.15 41.31 19.68
 LAB^*TCh 50.0 45.76 25.48

relative CIELAB lab*
 lab^*lab 0.431 0.451 0.215
 lab^*tch 0.431 0.451 0.215
 lab^*nch 0.0 0.5 0.071
relative Natural Colour (NC)
 lab^*trj 0.431 0.451 0.215
 lab^*tce 0.431 0.451 0.215
 lab^*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.0 0.044 (1.0)
 $cmyn3^*$ 0.75 1.0 0.956 (0.0)
 $olvi4^*$ 1.0 0.5 0.606 (1.0)
 $cmyn4^*$ 0.0 0.0 0.394 (0.0)
standard and adapted CIELAB
 LAB^*LAB 17.3 41.3 19.69
 LAB^*LABa 17.3 41.3 19.69
 LAB^*TCh 25.01 45.75 25.49

relative CIELAB lab*
 lab^*lab 0.272 0.677 0.323
 lab^*tch 0.272 0.677 0.323
 lab^*nch 0.0 0.5 0.071
relative Natural Colour (NC)
 lab^*trj 0.272 0.677 0.323
 lab^*tce 0.272 0.677 0.323
 lab^*nce 0.0 0.5 0.071

$n^* = 0,50$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

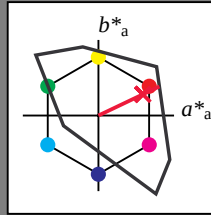
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCh 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 71.57 0.0 0.0
 LAB^*LABa 71.57 0.0 0.0
 LAB^*TCh 75.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 47.72 0.0 0.0
 LAB^*LABa 47.72 0.0 0.0
 LAB^*TCh 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 0.0
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 23.87 0.0 0.0
 LAB^*LABa 23.87 0.0 0.0
 LAB^*TCh 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.03 0.0 0.0
 LAB^*LABa 0.03 0.0 0.0
 LAB^*TCh 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.5 0.606 (1.0)
 $cmyn3^*$ 0.0 0.5 0.394 (0.0)
 $olvi4^*$ 1.0 0.5 0.606 (1.0)
 $cmyn4^*$ 0.0 0.5 0.394 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 73.67 40.3 19.2
 LAB^*LABa 73.67 40.3 19.2
 LAB^*TCh 75.0 44.64 25.47

relative CIELAB lab*
 lab^*lab 0.886 0.226 0.107
 lab^*tch 0.875 0.25 0.071
 lab^*nch 0.0 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.886 0.25 0.0
 lab^*tce 0.875 0.25 0.0
 lab^*nce 0.0 0.25 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.5 0.553 (1.0)
 $cmyn3^*$ 0.25 0.5 0.447 (0.0)
 $olvi4^*$ 1.0 0.5 0.553 (1.0)
 $cmyn4^*$ 0.0 0.5 0.447 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 60.63 20.16 9.6
 LAB^*LABa 60.63 20.16 9.6
 LAB^*TCh 62.5 22.32 25.48

relative CIELAB lab*
 lab^*lab 0.636 0.226 0.108
 lab^*tch 0.625 0.25 0.071
 lab^*nch 0.0 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.636 0.25 0.0
 lab^*tce 0.625 0.25 0.0
 lab^*nce 0.25 0.25 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.25 0.303 (1.0)
 $cmyn3^*$ 0.5 0.25 0.697 (0.0)
 $olvi4^*$ 1.0 0.25 0.303 (1.0)
 $cmyn4^*$ 0.0 0.25 0.697 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 36.84 20.16 9.6
 LAB^*LABa 36.84 20.16 9.6
 LAB^*TCh 37.5 22.32 25.48

relative CIELAB lab*
 lab^*lab 0.386 0.226 0.108
 lab^*tch 0.375 0.25 0.071
 lab^*nch 0.0 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.386 0.25 0.0
 lab^*tce 0.375 0.25 0.0
 lab^*nce 0.5 0.25 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.0 0.108 (1.0)
 $cmyn3^*$ 0.75 1.0 0.894 (0.0)
 $olvi4^*$ 1.0 0.5 0.606 (1.0)
 $cmyn4^*$ 0.0 0.5 0.394 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 25.98 40.3 19.21
 LAB^*LABa 25.98 40.3 19.21
 LAB^*TCh 25.01 44.65 25.49

relative CIELAB lab*
 lab^*lab 0.522 0.451 0.215
 lab^*tch 0.522 0.5 0.0
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.522 0.5 0.0
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.25 0.5 0.100

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

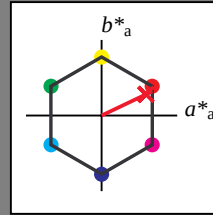
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCh 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.07 0.0 0.0
 LAB^*TCh 75.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 46.72 0.0 0.0
 LAB^*LABa 46.72 0.0 0.0
 LAB^*TCh 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 0.0
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 23.87 0.0 0.0
 LAB^*LABa 23.87 0.0 0.0
 LAB^*TCh 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCh 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.5 0.524 (1.0)
 $cmyn3^*$ 0.0 0.5 0.456 (0.0)
 $olvi4^*$ 1.0 0.5 0.524 (1.0)
 $cmyn4^*$ 0.0 0.5 0.456 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 70.73 33.51 15.97
 LAB^*LABa 70.73 33.51 15.97
 LAB^*TCh 75.0 37.12 25.48

relative CIELAB lab*
 lab^*lab 0.881 0.451 0.215
 lab^*tch 0.875 0.25 0.071
 lab^*nch 0.0 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.881 0.25 0.0
 lab^*tce 0.875 0.25 0.0
 lab^*nce 0.0 0.25 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.5 0.522 (1.0)
 $cmyn3^*$ 0.25 0.5 0.478 (0.0)
 $olvi4^*$ 1.0 0.5 0.522 (1.0)
 $cmyn4^*$ 0.0 0.5 0.478 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 63.72 16.76 7.99
 LAB^*LABa 63.72 16.76 7.99
 LAB^*TCh 62.5 18.56 25.48

relative CIELAB lab*
 lab^*lab 0.591 0.226 0.107
 lab^*tch 0.625 0.25 0.071
 lab^*nch 0.0 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.591 0.25 0.0
 lab^*tce 0.625 0.25 0.0
 lab^*nce 0.25 0.25 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.25 0.272 (1.0)
 $cmyn3^*$ 0.5 0.25 0.728 (0.0)
 $olvi4^*$ 1.0 0.25 0.272 (1.0)
 $cmyn4^*$ 0.0 0.25 0.728 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 31.39 33.52 15.97
 LAB^*LABa 31.39 33.52 15.97
 LAB^*TCh 30.0 37.13 25.48

relative CIELAB lab*
 lab^*lab 0.431 0.451 0.215
 lab^*tch 0.431 0.5 0.0
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.431 0.5 0.0
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.25 0.5 0.100

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.0 0.044 (1.0)
 $cmyn3^*$ 0.75 1.0 0.956 (0.0)
 $olvi4^*$ 1.0 0.5 0.606 (1.0)
 $cmyn4^*$ 0.0 0.5 0.394 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 25.98 40.3 19.21
 LAB^*LABa 25.98 40.3 19.21
 LAB^*TCh 25.01 44.65 25.49

relative CIELAB lab*
 lab^*lab 0.272 0.451 0.215
 lab^*tch 0.272 0.5 0.0
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.272 0.5 0.0
 lab^*tce 0.25 0.5 0.0
 lab^*nce 0.25 0.5 0.100

$n^* = 0,50$

0,25

0,50

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

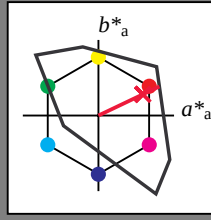
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*LABa \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*LABa \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ 0.0$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*LABa \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	50.5	76.92	64.55	100.42	40
YMa	92.66	-20.69	90.75	93.08	103
LMa	83.63	-82.75	79.9	115.04	136
CMa	86.88	-46.16	-13.55	48.12	196
VMa	30.39	76.06	-103.59	128.52	306
MMa	57.3	94.35	-58.41	110.97	328
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 0.606 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.394 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.606 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.394 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 73.6 \ 40.3 \ 19.2$
 $LAB^*LABa \ 73.67 \ 40.3 \ 19.2$
 $LAB^*TCha \ 75.0 \ 44.64 \ 25.47$

relative CIELAB lab*
 $lab^*lab \ 0.886 \ 0.226 \ 0.107$
 $lab^*tch \ 0.875 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.886 \ 0.25 \ 0.0$
 $lab^*tce \ 0.875 \ 0.25 \ 0.0$
 $lab^*nce \ 0.0 \ 0.25 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.553 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.447 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.75 \ 0.803 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.197 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 60.63 \ 20.16 \ 9.6$
 $LAB^*LABa \ 60.69 \ 20.16 \ 9.6$
 $LAB^*TCha \ 62.5 \ 22.32 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.636 \ 0.226 \ 0.108$
 $lab^*tch \ 0.625 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.636 \ 0.25 \ 0.0$
 $lab^*tce \ 0.625 \ 0.25 \ 0.0$
 $lab^*nce \ 0.25 \ 0.25 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.303 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.697 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.75 \ 0.803 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.197 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 36.84 \ 20.16 \ 9.6$
 $LAB^*LABa \ 36.84 \ 20.16 \ 9.6$
 $LAB^*TCha \ 37.5 \ 22.32 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.386 \ 0.226 \ 0.108$
 $lab^*tch \ 0.375 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.386 \ 0.25 \ 0.0$
 $lab^*tce \ 0.375 \ 0.25 \ 0.0$
 $lab^*nce \ 0.5 \ 0.25 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.0 \ 0.106 \ (1.0)$
 $cmyn3^* \ 0.75 \ 1.0 \ 0.894 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.606 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.394 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 25.98 \ 40.3 \ 19.21$
 $LAB^*LABa \ 25.98 \ 40.3 \ 19.21$
 $LAB^*TCha \ 25.01 \ 44.65 \ 25.49$

relative CIELAB lab*
 $lab^*lab \ 0.272 \ 0.451 \ 0.215$
 $lab^*tch \ 0.25 \ 0.5 \ 0.071$
 $lab^*nch \ 0.5 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.272 \ 0.5 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.0$
 $lab^*nce \ 0.5 \ 0.5 \ 0.001$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

$n^* = 5,25$

$n^* = 5,50$

$n^* = 5,75$

$n^* = 6,00$

$n^* = 6,25$

$n^* = 6,50$

$n^* = 6,75$

$n^* = 7,00$

$n^* = 7,25$

$n^* = 7,50$

$n^* = 7,75$

$n^* = 8,00$

$n^* = 8,25$

$n^* = 8,50$

$n^* = 8,75$

$n^* = 9,00$

$n^* = 9,25$

$n^* = 9,50$

$n^* = 9,75$

$n^* = 10,00$

$n^* = 10,25$

$n^* = 10,50$

$n^* = 10,75$

$n^* = 11,00$

$n^* = 11,25$

$n^* = 11,50$

$n^* = 11,75$

$n^* = 12,00$

$n^* = 12,25$

$n^* = 12,50$

$n^* = 12,75$

$n^* = 13,00$

$n^* = 13,25$

$n^* = 13,50$

$n^* = 13,75$

$n^* = 14,00$

$n^* = 14,25$

$n^* = 14,50$

$n^* = 14,75$

$n^* = 15,00$

$n^* = 15,25$

$n^* = 15,50$

$n^* = 15,75$

$n^* = 16,00$

$n^* = 16,25$

$n^* = 16,50$

$n^* = 16,75$

$n^* = 17,00$

$n^* = 17,25$

$n^* = 17,50$

$n^* = 17,75$

$n^* = 18,00$

$n^* = 18,25$

$n^* = 18,50$

$n^* = 18,75$

$n^* = 19,00$

$n^* = 19,25$

$n^* = 19,50$

$n^* = 19,75$

$n^* = 20,00$

$n^* = 20,25$

$n^* = 20,50$

$n^* = 20,75$

$n^* = 21,00$

$n^* = 21,25$

$n^* = 21,50$

$n^* = 21,75$

$n^* = 22,00$

$n^* = 22,25$

$n^* = 22,50$

$n^* = 22,75$

$n^* = 23,00$

$n^* = 23,25$

$n^* = 23,50$

$n^* = 23,75$

$n^* = 24,00$

$n^* = 24,25$

$n^* = 24,50$

$n^* = 24,75$

$n^* = 25,00$

$n^* = 25,25$

$n^* = 25,50$

$n^* = 25,75$

$n^* = 26,00$

$n^* = 26,25$

$n^* = 26,50$

$n^* = 26,75$

$n^* = 27,00$

$n^* = 27,25$

$n^* = 27,50$

$n^* = 27,75$

$n^* = 28,00$

$n^* = 28,25$

$n^* = 28,50$

$n^* = 28,75$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

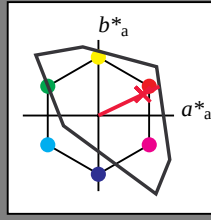
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.803	(1.0)
cmyn3*	0.0	0.25	0.197	(0.0)
olvi4*	1.0	0.75	0.803	(1.0)
cmyn4*	0.0	0.25	0.197	(0.0)

standard and adapted CIELAB

LAB*LAB	84.54	20.15	9.6
LAB*LABa	84.54	20.15	9.6
LAB*LABb	87.5	22.32	25.47

relative CIELAB lab*

lab*lab	0.886	0.226	0.107
lab*lab	0.886	0.226	0.107
lab*lab	0.886	0.226	0.107
lab*lab	0.886	0.226	0.107

relative Natural Colour (NC)

lab*lab	0.886	0.226	0.107
lab*lab	0.886	0.226	0.107
lab*lab	0.886	0.226	0.107
lab*lab	0.886	0.226	0.107

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.553	(1.0)
cmyn3*	0.25	0.5	0.447	(0.0)
olvi4*	1.0	0.75	0.553	(1.0)
cmyn4*	0.0	0.25	0.197	(0.0)

standard and adapted CIELAB

LAB*LAB	60.68	20.16	9.6
LAB*LABa	60.68	20.16	9.6
LAB*LABb	62.5	22.32	25.48

relative CIELAB lab*

lab*lab	0.636	0.226	0.108
lab*lab	0.625	0.25	0.071
lab*lab	0.625	0.25	0.071
lab*lab	0.625	0.25	0.071

relative Natural Colour (NC)

lab*lab	0.636	0.226	0.108
lab*lab	0.625	0.25	0.071
lab*lab	0.625	0.25	0.071
lab*lab	0.625	0.25	0.071

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.303	(1.0)
cmyn3*	0.5	0.75	0.697	(0.0)
olvi4*	1.0	0.75	0.803	(1.0)
cmyn4*	0.0	0.25	0.197	(0.0)

standard and adapted CIELAB

LAB*LAB	36.84	20.16	9.6
LAB*LABa	36.84	20.16	9.6
LAB*LABb	37.5	22.32	25.48

relative CIELAB lab*

lab*lab	0.386	0.226	0.108
lab*lab	0.375	0.25	0.071
lab*lab	0.375	0.25	0.071
lab*lab	0.375	0.25	0.071

relative Natural Colour (NC)

lab*lab	0.386	0.226	0.108
lab*lab	0.375	0.25	0.071
lab*lab	0.375	0.25	0.071
lab*lab	0.375	0.25	0.071

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.053	(1.0)
cmyn3*	0.75	1.0	0.947	(0.0)
olvi4*	1.0	0.75	0.803	(1.0)
cmyn4*	0.0	0.25	0.197	(0.0)

standard and adapted CIELAB

LAB*LAB	13.0	20.15	9.61
LAB*LABa	13.0	20.15	9.61
LAB*LABb	12.5	22.32	25.5

relative CIELAB lab*

lab*lab	0.136	0.226	0.108
lab*lab	0.125	0.25	0.071
lab*lab	0.125	0.25	0.071
lab*lab	0.125	0.25	0.071

relative Natural Colour (NC)

lab*lab	0.136	0.226	0.108
lab*lab	0.125	0.25	0.071
lab*lab	0.125	0.25	0.071
lab*lab	0.125	0.25	0.071

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.606	(1.0)
cmyn3*	0.0	0.5	0.394	(0.0)
olvi4*	1.0	0.5	0.606	(1.0)
cmyn4*	0.0	0.5	0.394	(0.0)

standard and adapted CIELAB

LAB*LAB	73.67	40.3	19.2
LAB*LABa	73.67	40.3	19.2
LAB*LABb	75.0	44.64	25.47

relative CIELAB lab*

lab*lab	0.772	0.451	0.215
lab*lab	0.75	0.5	0.071
lab*lab	0.75	0.5	0.071
lab*lab	0.75	0.5	0.071

relative Natural Colour (NC)

lab*lab	0.772	0.451	0.215
lab*lab	0.75	0.5	0.071
lab*lab	0.75	0.5	0.071
lab*lab	0.75	0.5	0.071

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.336	(1.0)
cmyn3*	0.25	0.75	0.644	(0.0)
olvi4*	1.0	0.5	0.606	(1.0)
cmyn4*	0.0	0.5	0.394	(0.0)

standard and adapted CIELAB

LAB*LAB	49.83	40.31	19.21
LAB*LABa	49.83	40.31	19.21
LAB*LABb	50.0	44.65	25.48

relative CIELAB lab*

lab*lab	0.522	0.451	0.215
lab*lab	0.5	0.5	0.071
lab*lab	0.5	0.5	0.071
lab*lab	0.5	0.5	0.071

relative Natural Colour (NC)

lab*lab	0.522	0.451	0.215
lab*lab	0.5	0.5	0.071
lab*lab	0.5	0.5	0.071
lab*lab	0.5	0.5	0.071

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.106	(1.0)
cmyn3*	0.5	1.0	0.894	(0.0)
olvi4*	1.0	0.5	0.606	(1.0)
cmyn4*	0.0	0.5	0.394	(0.0)

standard and adapted CIELAB

LAB*LAB	25.98	40.3	19.21
LAB*LABa	25.98	40.3	19.21
LAB*LABb	25.01	44.65	25.49

relative CIELAB lab*

lab*lab	0.408	0.451	0.215
lab*lab	0.375	0.75	0.071
lab*lab	0.375	0.75	0.071
lab*lab	0.375	0.75	0.071

relative Natural Colour (NC)

lab*lab	0.408	0.451	0.215
lab*lab	0.375	0.75	0.071
lab*lab	0.375	0.75	0.071
lab*lab	0.375	0.75	0.071

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.016	(1.0)
cmyn3*	0.75	1.0	0.984	(0.0)
olvi4*	1.0	0.5	0.606	(1.0)
cmyn4*	0.0	0.25	0.197	(0.0)

standard and adapted CIELAB

LAB*LAB	12.5	22.32	25.5
LAB*LABa	12.5	22.32	25.5
LAB*LABb	12.5	22.32	25.5

relative CIELAB lab*

lab*lab	0.136	0.226	0.108
lab*lab	0.125	0.25	0.071
lab*lab	0.125	0.25	0.071
lab*lab	0.125	0.25	0.071

relative Natural Colour (NC)

lab*lab	0.136	0.226	0.108
lab*lab	0.125	0.25	0.071
lab*lab	0.125	0.25	0.071
lab*lab	0.125	0.25	0.071

LAB hue $25/360 = 0$.

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

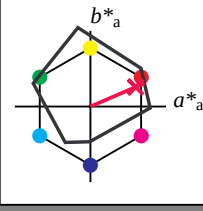
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 23/360 = 0.065 (left)

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.689	(1.0)
cmyn3*	0.0	0.5	0.311	(0.0)
olvi4*	1.0	0.5	0.689	1.0
cmyn4*	0.0	0.5	0.311	0.0

standard and adapted CIELAB

LAB*LAB	69.4	35.14	17.8
LAB*LABa	69.35	35.7	15.39
LAB*TCRa	75.0	38.88	23.32

relative CIELAB lab*

lab*lab	0.662	0.459	0.198
lab*tch	0.75	0.5	0.065
lab*nch	0.0	0.5	0.065

relative Natural Colour (NC)

lab*trj	0.662	0.5	0.0
lab*tce	0.5	0.5	1.0
lab*nce	0.0	0.5	0.999

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.439	(1.0)
cmyn3*	0.25	0.75	0.561	(0.0)
olvi4*	1.0	0.5	0.689	0.75
cmyn4*	0.0	0.5	0.311	0.25

standard and adapted CIELAB

LAB*LAB	49.42	34.82	17.68
LAB*LABa	49.42	35.71	15.39
LAB*TCRa	50.0	38.88	23.32

relative CIELAB lab*

lab*lab	0.412	0.459	0.198
lab*tch	0.625	0.5	0.065
lab*nch	0.0	0.5	0.065

relative Natural Colour (NC)

lab*trj	0.412	0.5	0.0
lab*tce	0.5	0.5	1.0
lab*nce	0.25	0.5	0.999

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.189	(1.0)
cmyn3*	0.5	1.0	0.811	(0.0)
olvi4*	1.0	0.5	0.689	0.5
cmyn4*	0.0	0.5	0.311	0.5

standard and adapted CIELAB

LAB*LAB	29.48	34.49	17.55
LAB*LABa	29.48	35.7	15.39
LAB*TCRa	25.01	38.88	23.32

relative CIELAB lab*

lab*lab	0.243	0.459	0.198
lab*tch	0.25	0.5	0.065
lab*nch	0.0	0.5	0.065

relative Natural Colour (NC)

lab*trj	0.243	0.5	0.0
lab*tce	0.25	0.5	1.0
lab*nce	0.25	0.5	0.999

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.094	(1.0)
cmyn3*	0.75	1.0	0.906	(0.0)
olvi4*	1.0	0.75	0.844	0.25
cmyn4*	0.0	0.25	0.156	0.75

standard and adapted CIELAB

LAB*LAB	23.02	16.33	9.81
LAB*LABa	23.02	17.85	7.7
LAB*TCRa	12.5	19.43	23.33

relative CIELAB lab*

lab*lab	0.081	0.229	0.099
lab*tch	0.125	0.25	0.065
lab*nch	0.0	0.25	0.065

relative Natural Colour (NC)

lab*trj	0.081	0.25	0.0
lab*tce	0.125	0.25	0.0
lab*nce	0.25	0.25	0.999

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

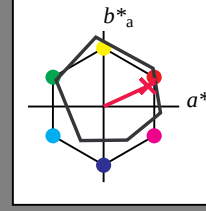
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.31	-0.88	4.75
LAB*LABa	96.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.71	-0.74	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform.

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

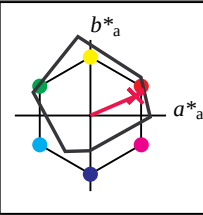
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 23/360 = 0.065 (left)

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.689	(1.0)
cmyn3*	0.0	0.5	0.311	(0.0)
olvi4*	1.0	0.5	0.689	(1.0)
cmyn4*	0.0	0.5	0.311	(0.0)

standard and adapted CIELAB

LAB*LAB	69.4	35.14	17.8
LAB*LABa	69.35	35.7	15.39
LAB*LABb	75.0	38.88	23.32

relative CIELAB lab*

lab*lab	0.831	0.229	0.099
lab*tch	0.875	0.25	0.065
lab*nch	0.0	0.5	0.065

relative Natural Colour (NC)

lab*trj	0.831	0.25	0.0
lab*tce	0.25	0.5	0.0
lab*nce	0.0	0.25	0.999

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.594	(1.0)
cmyn3*	0.25	0.5	0.406	(0.0)
olvi4*	1.0	0.75	0.844	(1.0)
cmyn4*	0.0	0.25	0.156	(0.0)

standard and adapted CIELAB

LAB*LAB	62.89	17.19	10.07
LAB*LABa	62.89	17.85	7.7
LAB*LABb	75.0	19.44	23.32

relative CIELAB lab*

lab*lab	0.581	0.23	0.099
lab*tch	0.625	0.25	0.065
lab*nch	0.0	0.25	0.065

relative Natural Colour (NC)

lab*trj	0.581	0.25	0.0
lab*tce	0.25	0.25	0.0
lab*nce	0.0	0.25	0.999

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.439	(1.0)
cmyn3*	0.25	0.25	0.561	(0.0)
olvi4*	1.0	0.5	0.689	(1.0)
cmyn4*	0.0	0.25	0.311	(0.0)

standard and adapted CIELAB

LAB*LAB	49.42	34.82	17.68
LAB*LABa	49.42	35.71	15.39
LAB*LABb	50.0	38.88	23.32

relative CIELAB lab*

lab*lab	0.412	0.459	0.198
lab*tch	0.425	0.5	0.065
lab*nch	0.0	0.5	0.065

relative Natural Colour (NC)

lab*trj	0.412	0.5	0.0
lab*tce	0.5	0.5	0.0
lab*nce	0.0	0.25	0.999

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.189	(1.0)
cmyn3*	0.75	0.0	0.811	(0.0)
olvi4*	1.0	0.5	0.689	(1.0)
cmyn4*	0.0	0.5	0.311	(0.0)

standard and adapted CIELAB

LAB*LAB	29.48	34.49	17.55
LAB*LABa	29.48	35.7	15.39
LAB*LABb	25.0	38.88	23.32

relative CIELAB lab*

lab*lab	0.162	0.459	0.198
lab*tch	0.25	0.5	0.065
lab*nch	0.0	0.5	0.065

relative Natural Colour (NC)

lab*trj	0.162	0.5	0.0
lab*tce	0.25	0.5	0.0
lab*nce	0.0	0.5	0.999

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

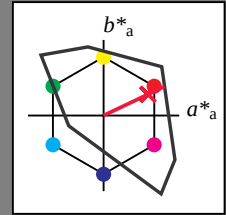
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

Technology (IT)			
0.5	0.606	(1.0)	
0.5	0.394	(0.0)	
0.5	0.606	1.0	
0.5	0.394	0.0	
adapted CIELAB			
67	40.3	19.2	
67	40.3	19.2	
0	44.64	25.47	
Lab lab*			
72	0.451	0.215	
5	0.5	0.071	
0	0.5	0.071	
Colour (NC)			
72	0.5	0.0	
5	0.5	1.0	
0	0.5	b99r	

Input: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 23/360 = 0.065$

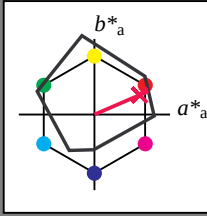
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 23/360 = 0.065 (left)

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.689	(1.0)
cmyn3*	0.0	0.5	0.311	(0.0)
olvi4*	1.0	0.5	0.689	1.0
cmyn4*	0.0	0.5	0.311	0.0

standard and adapted CIELAB

LAB*LAB	69.35	35.14	17.8
LAB*LABa	69.35	35.7	15.39
LAB*TCHa	75.0	38.88	23.32

relative CIELAB lab*

lab*lab	0.662	0.459	0.198
lab*tch	0.75	0.5	0.065
lab*nch	0.0	0.5	0.065

relative Natural Colour (NC)

lab*trj	0.662	0.5	0.0
lab*tce	0.5	0.5	0.0
lab*nce	0.0	0.5	0.065

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.439	(1.0)
cmyn3*	0.25	0.75	0.561	(0.0)
olvi4*	1.0	0.5	0.689	0.75
cmyn4*	0.0	0.5	0.311	0.25

standard and adapted CIELAB

LAB*LAB	49.42	34.82	17.68
LAB*LABa	49.42	35.71	15.39
LAB*TCHa	50.0	38.88	23.32

relative CIELAB lab*

lab*lab	0.412	0.459	0.198
lab*tch	0.625	0.5	0.065
lab*nch	0.0	0.5	0.065

relative Natural Colour (NC)

lab*trj	0.412	0.5	0.0
lab*tce	0.5	0.5	0.0
lab*nce	0.0	0.5	0.065

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.189	(1.0)
cmyn3*	0.5	1.0	0.811	(0.0)
olvi4*	1.0	0.5	0.689	0.5
cmyn4*	0.0	0.5	0.311	0.5

standard and adapted CIELAB

LAB*LAB	29.48	34.49	17.55
LAB*LABa	29.48	35.7	15.39
LAB*TCHa	25.01	38.88	23.32

relative CIELAB lab*

lab*lab	0.243	0.689	0.297
lab*tch	0.375	0.75	0.065
lab*nch	0.0	0.75	0.065

relative Natural Colour (NC)

lab*trj	0.243	0.75	0.0
lab*tce	0.375	0.75	0.0
lab*nce	0.0	0.75	0.065

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.094	(1.0)
cmyn3*	0.75	1.0	0.906	(0.0)
olvi4*	1.0	0.75	0.844	0.25
cmyn4*	0.0	0.75	0.156	0.75

standard and adapted CIELAB

LAB*LAB	23.02	16.53	9.81
LAB*LABa	23.02	17.85	7.7
LAB*TCHa	12.5	19.43	23.33

relative CIELAB lab*

lab*lab	0.162	0.459	0.198
lab*tch	0.25	0.5	0.065
lab*nch	0.0	0.5	0.065

relative Natural Colour (NC)

lab*trj	0.162	0.5	0.0
lab*tce	0.25	0.5	0.0
lab*nce	0.0	0.5	0.065

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 23/360 = 0.065$

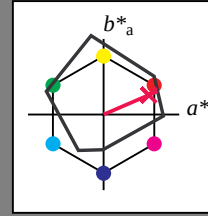
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.31	-0.11	2.58
LAB*LABa	96.31	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 23/360 = 0.065 (right)

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

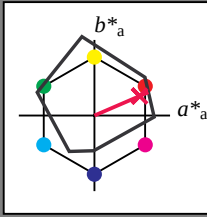
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.689	(1.0)
cmyn3*	0.0	0.5	0.311	(0.0)
olvi4*	1.0	0.5	0.689	(1.0)
cmyn4*	0.0	0.5	0.311	(0.0)

standard and adapted CIELAB

LAB*LAB	69.4	35.14	17.8
LAB*LABa	69.35	35.7	15.39
LAB*TCRa	75.0	38.88	23.32

relative CIELAB lab*

lab*lab	0.662	0.459	0.198
lab*tch	0.75	0.5	0.065
lab*nch	0.0	0.5	0.065

relative Natural Colour (NC)

lab*trj	0.662	0.5	0.0
lab*tce	0.5	0.5	0.0
lab*nce	0.0	0.5	0.065

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.439	(1.0)
cmyn3*	0.25	0.75	0.561	(0.0)
olvi4*	1.0	0.5	0.689	(1.0)
cmyn4*	0.0	0.5	0.311	(0.0)

standard and adapted CIELAB

LAB*LAB	49.42	34.82	17.68
LAB*LABa	49.42	35.71	15.39
LAB*TCRa	50.0	38.88	23.32

relative CIELAB lab*

lab*lab	0.412	0.459	0.198
lab*tch	0.625	0.5	0.065
lab*nch	0.0	0.5	0.065

relative Natural Colour (NC)

lab*trj	0.412	0.5	0.0
lab*tce	0.5	0.5	0.0
lab*nce	0.25	0.5	0.065

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.189	(1.0)
cmyn3*	0.5	1.0	0.811	(0.0)
olvi4*	1.0	0.5	0.689	(1.0)
cmyn4*	0.0	0.5	0.311	(0.0)

standard and adapted CIELAB

LAB*LAB	29.48	34.49	17.55
LAB*LABa	29.48	35.7	15.39
LAB*TCRa	25.01	38.88	23.32

relative CIELAB lab*

lab*lab	0.162	0.459	0.198
lab*tch	0.25	0.5	0.065
lab*nch	0.0	0.5	0.065

relative Natural Colour (NC)

lab*trj	0.162	0.5	0.0
lab*tce	0.25	0.5	0.0
lab*nce	0.5	0.5	0.065

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.094	(1.0)
cmyn3*	0.75	1.0	0.906	(0.0)
olvi4*	1.0	0.75	0.844	(1.0)
cmyn4*	0.0	0.25	0.156	(0.0)

standard and adapted CIELAB

LAB*LAB	23.02	16.53	9.81
LAB*LABa	23.02	17.85	7.7
LAB*TCRa	12.5	19.43	23.32

relative CIELAB lab*

lab*lab	0.081	0.229	0.099
lab*tch	0.125	0.25	0.065
lab*nch	0.0	0.25	0.065

relative Natural Colour (NC)

lab*trj	0.081	0.25	0.0
lab*tce	0.125	0.25	0.0
lab*nce	0.25	0.25	0.065

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

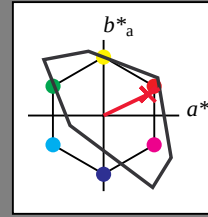
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

chromaticness c^*

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

. Technology (IT)			
0.5	0.569	(1.0	
0.5	0.431	(0.0	
0.5	0.569	1.0	
0.5	0.431	0.0	
adapted CIELAB			
0.51	37.03	17.64	
0.51	37.03	17.64	
0.0	41.02	25.44	
B lab*			
0.73	0.451	0.211	
0.75	0.5	0.073	
0.0	0.5	0.073	
Colour (NC)			
0.73	0.5	0.0	
0.75	0.5	1.0	
0.0	0.5	0.999	

Input: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 23/360 = 0.065$

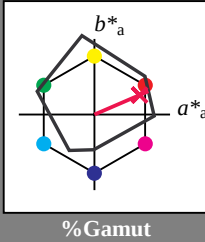
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.0 0.0
LAB*LABa 96.31 0.0 0.0
LAB*TCa 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 -0.44 2.45
LAB*LABa 76.38 0.0 0.0
LAB*TCa 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 -0.76 2.32
LAB*LABa 56.44 0.0 0.0
LAB*TCa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 -1.09 2.19
LAB*LABa 36.5 0.0 0.0
LAB*TCa 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*TCa 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.75 0.844 (1.0)
cmyn3* 0.0 0.25 0.156 (0.0)
olvi4* 1.0 0.75 0.844 (1.0)
cmyn4* 0.0 0.25 0.156 (0.0)
standard and adapted CIELAB
LAB*LAB 82.83 17.51 10.19
LAB*LABa 82.83 17.51 10.19
LAB*TCa 87.5 19.43 23.31

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.594 (1.0)
cmyn3* 0.25 0.5 0.406 (0.0)
olvi4* 1.0 0.75 0.844 (1.0)
cmyn4* 0.0 0.25 0.156 (0.0)
standard and adapted CIELAB
LAB*LAB 62.89 17.19 10.07
LAB*LABa 62.89 17.19 10.07
LAB*TCa 62.5 19.43 23.31

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.344 (1.0)
cmyn3* 0.5 0.25 0.656 (0.0)
olvi4* 1.0 0.75 0.844 (1.0)
cmyn4* 0.0 0.25 0.156 (0.0)
standard and adapted CIELAB
LAB*LAB 42.96 16.86 9.94
LAB*LABa 42.96 16.86 9.94
LAB*TCa 37.5 19.44 23.32

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.094 (1.0)
cmyn3* 0.75 1.0 0.906 (0.0)
olvi4* 1.0 0.75 0.844 (1.0)
cmyn4* 0.0 0.25 0.156 (0.0)
standard and adapted CIELAB
LAB*LAB 23.02 16.53 9.81
LAB*LABa 23.02 16.53 9.81
LAB*TCa 12.5 19.43 23.33

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.689 (1.0)
cmyn3* 0.0 0.5 0.311 (0.0)
olvi4* 1.0 0.5 0.689 (1.0)
cmyn4* 0.0 0.5 0.311 (0.0)
standard and adapted CIELAB
LAB*LAB 69.35 35.14 17.8
LAB*LABa 69.35 35.14 17.8
LAB*TCa 75.0 38.88 23.32

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.439 (1.0)
cmyn3* 0.25 0.25 0.561 (0.0)
olvi4* 1.0 0.5 0.689 (1.0)
cmyn4* 0.0 0.5 0.311 (0.0)
standard and adapted CIELAB
LAB*LAB 49.42 34.82 17.68
LAB*LABa 49.42 34.82 17.68
LAB*TCa 50.0 38.88 23.32

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.459 (1.0)
cmyn3* 0.5 0.25 0.541 (0.0)
olvi4* 1.0 0.5 0.689 (1.0)
cmyn4* 0.0 0.25 0.340 (0.0)
standard and adapted CIELAB
LAB*LAB 35.94 32.45 25.28
LAB*LABa 35.94 32.45 25.28
LAB*TCa 37.51 38.32 23.32

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.189 (1.0)
cmyn3* 0.75 1.0 0.811 (0.0)
olvi4* 1.0 0.5 0.689 (1.0)
cmyn4* 0.0 0.5 0.311 (0.0)
standard and adapted CIELAB
LAB*LAB 29.48 34.49 17.55
LAB*LABa 29.48 34.49 17.55
LAB*TCa 25.01 38.88 23.32

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.25 0.533 (1.0)
cmyn3* 0.0 0.75 0.467 (0.0)
olvi4* 1.0 0.25 0.533 (1.0)
cmyn4* 0.0 0.75 0.467 (0.0)
standard and adapted CIELAB
LAB*LAB 55.87 32.78 25.41
LAB*LABa 55.87 32.78 25.41
LAB*TCa 62.5 38.32 23.32

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.377 (1.0)
cmyn3* 0.25 0.0 0.623 (0.0)
olvi4* 1.0 0.25 0.533 (1.0)
cmyn4* 0.0 0.75 0.467 (0.0)
standard and adapted CIELAB
LAB*LAB 42.4 71.4 30.78
LAB*LABa 42.4 71.4 30.78
LAB*TCa 50.0 77.75 23.32

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.283 (1.0)
cmyn3* 0.5 0.0 0.717 (0.0)
olvi4* 1.0 0.25 0.533 (1.0)
cmyn4* 0.0 0.75 0.467 (0.0)
standard and adapted CIELAB
LAB*LAB 32.4 70.4 33.02
LAB*LABa 32.4 70.4 33.02
LAB*TCa 37.51 38.32 23.32

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.198 (1.0)
cmyn3* 0.75 1.0 0.802 (0.0)
olvi4* 1.0 0.25 0.533 (1.0)
cmyn4* 0.0 0.75 0.467 (0.0)
standard and adapted CIELAB
LAB*LAB 25.01 38.88 23.32
LAB*LABa 25.01 38.88 23.32
LAB*TCa 25.0 38.88 23.32

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCa 0.0 0.0 0.0

%Regularity
 $g^*_{H,rel} = 38$
 $g^*_{C,rel} = 44$

0.75

relative Inform. Technology (IT)
olvi3* 1.0 0.0 0.377 (1.0)
cmyn3* 0.0 1.0 0.623 (0.0)
olvi4* 1.0 0.0 0.377 (1.0)
cmyn4* 0.0 1.0 0.623 (0.0)
standard and adapted CIELAB
LAB*LAB 42.4 71.4 30.78
LAB*LABa 42.4 71.4 30.78
LAB*TCa 50.0 77.75 23.32

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.283 (1.0)
cmyn3* 0.25 0.0 0.717 (0.0)
olvi4* 1.0 0.0 0.283 (1.0)
cmyn4* 0.0 1.0 0.717 (0.0)
standard and adapted CIELAB
LAB*LAB 32.4 70.4 33.02
LAB*LABa 32.4 70.4 33.02
LAB*TCa 37.51 38.32 23.32

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.198 (1.0)
cmyn3* 0.5 0.0 0.802 (0.0)
olvi4* 1.0 0.0 0.198 (1.0)
cmyn4* 0.0 1.0 0.802 (0.0)
standard and adapted CIELAB
LAB*LAB 25.01 38.88 23.32
LAB*LABa 25.01 38.88 23.32
LAB*TCa 25.0 38.88 23.32

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.109 (1.0)
cmyn3* 0.75 1.0 0.891 (0.0)
olvi4* 1.0 0.0 0.109 (1.0)
cmyn4* 0.0 1.0 0.891 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCa 0.01 0.01 -

blackness n^*
 $n^* = 0.00$
chromaticness c^*
 $c^* = 1.00$

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

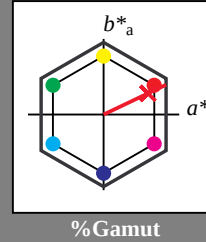
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCa 99.99 0.02 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCa 75.0 0.02 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 51.72 0.0 0.0
LAB*LABa 51.72 0.0 0.0
LAB*TCa 50.0 0.02 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 31.81 0.0 0.0
LAB*LABa 31.81 0.0 0.0
LAB*TCa 25.0 0.02 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCa 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.522 (1.0)
cmyn3* 0.25 0.5 0.478 (0.0)
olvi4* 1.0 0.5 0.522 (1.0)
cmyn4* 0.0 0.5 0.478 (0.0)
standard and adapted CIELAB
LAB*LAB 65.19 41.3 19.68
LAB*LABa 65.19 41.3 19.68
LAB*TCa 62.5 45.75 25.48

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.75 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 41.15 41.31 19.68
LAB*LABa 41.15 41.31 19.68
LAB*TCa 50.0 45.75 25.48

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.9 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 1.0 0.9 (0.0)
standard and adapted CIELAB
LAB*LAB 23.02 16.53 9.81
LAB*LABa 23.02 16.53 9.81
LAB*TCa 12.5 19.43 23.33

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCa 0.0 0.0 0.0

blackness n^*
 $n^* = 0.00$
chromaticness c^*
 $c^* = 1.00$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.75 0.844 (1.0)
cmyn4* 0.0 0.25 0.156 (0.0)
standard and adapted CIELAB
LAB*LAB 80.2 20.65 9.84
LAB*LABa 80.2 20.65 9.84
LAB*TCa 87.5 22.87 25.48

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 65.19 41.3 19.68
LAB*LABa 65.19 41.3 19.68
LAB*TCa 62.5 45.75 25.48

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 41.15 41.31 19.68
LAB*LABa 41.15 41.31 19.68
LAB*TCa 50.0 45.75 25.48

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCa 0.0 0.0 0.0

blackness n^*
 $n^* = 0.00$
chromaticness c^*
 $c^* = 1.00$

relative Inform. Technology (IT)
olvi3* 1.0 0.25 0.315 (1.0)
cmyn3* 0.0 0.75 0.685 (0.0)
olvi4* 1.0 0.25 0.315 (1.0)
cmyn4* 0.0 0.75 0.685 (0.0)
standard and adapted CIELAB
LAB*LAB 49.79 61.96 29.52
LAB*LABa 49.79 61.96 29.52
LAB*TCa 62.5 68.63 25.48

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.0 (1.0)
cmyn3* 0.25 1.0 0.913 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 1.0 0.913 (0.0)
standard and adapted CIELAB
LAB*LAB 34.59 82.6 39.37
LAB*LABa 34.59 82.6 39.37
LAB*TCa 50.0 91.51 25.48

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 1.0 0.913 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 1.0 0.913 (0.0)
standard and adapted CIELAB
LAB*LAB 25.95 61.96 29.53
LAB*LABa 25.95 61.96 29.53
LAB*TCa 37.51 68.63 25.48

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.913 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 1.0 0.913 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCa 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCa 0.0 0.0 0.0

blackness n^*
 $n^* = 0.00$
chromaticness c^*
 $c^* = 1.00$

OE500-7, 5 step scales for constant CIELAB hue 23/360 = 0.065 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

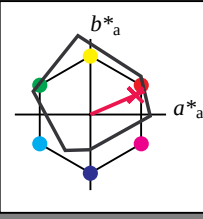
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

chromaticness c^*

0,25 0,50 0,75 1,00

OE500-7, 5 step scales for constant CIELAB hue 23/360 = 0.065 (left)

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0,75

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.689	(1.0)
cmyn3*	0.0	0.5	0.311	(0.0)
olvi4*	1.0	0.5	0.689	(1.0)
cmyn4*	0.0	0.5	0.311	(0.0)

standard and adapted CIELAB

LAB*LAB	69.4	35.14	17.8
LAB*LABa	69.35	35.7	15.39
LAB*TCRa	75.0	38.88	23.32

relative CIELAB lab*

lab*lab	0.662	0.459	0.198
lab*tch	0.75	0.5	0.065
lab*nch	0.0	0.5	0.065

relative Natural Colour (NC)

lab*trj	0.662	0.5	0.0
lab*tce	0.5	0.5	0.0
lab*nce	0.0	0.5	0.065

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.439	(1.0)
cmyn3*	0.25	0.75	0.561	(0.0)
olvi4*	1.0	0.5	0.689	(1.0)
cmyn4*	0.0	0.5	0.311	(0.0)

standard and adapted CIELAB

LAB*LAB	49.42	34.82	17.68
LAB*LABa	49.42	35.71	15.39
LAB*TCRa	50.0	38.88	23.32

relative CIELAB lab*

lab*lab	0.412	0.459	0.198
lab*tch	0.625	0.5	0.065
lab*nch	0.0	0.5	0.065

relative Natural Colour (NC)

lab*trj	0.412	0.5	0.0
lab*tce	0.5	0.5	0.0
lab*nce	0.0	0.5	0.065

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.189	(1.0)
cmyn3*	0.5	1.0	0.811	(0.0)
olvi4*	1.0	0.5	0.689	(1.0)
cmyn4*	0.0	0.5	0.311	(0.0)

standard and adapted CIELAB

LAB*LAB	29.48	34.49	17.55
LAB*LABa	29.48	35.7	15.39
LAB*TCRa	25.01	38.88	23.32

relative CIELAB lab*

lab*lab	0.243	0.689	0.297
lab*tch	0.375	0.75	0.065
lab*nch	0.0	0.75	0.065

relative Natural Colour (NC)

lab*trj	0.243	0.75	0.0
lab*tce	0.375	0.75	0.0
lab*nce	0.0	0.75	0.065

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.094	(1.0)
cmyn3*	0.75	1.0	0.906	(0.0)
olvi4*	1.0	0.75	0.844	(1.0)
cmyn4*	0.0	0.75	0.156	(0.0)

standard and adapted CIELAB

LAB*LAB	23.02	16.33	9.81
LAB*LABa	23.02	17.85	7.7
LAB*TCRa	12.5	19.43	23.32

relative CIELAB lab*

lab*lab	0.081	0.229	0.099
lab*tch	0.125	0.25	0.065
lab*nch	0.0	0.25	0.065

relative Natural Colour (NC)

lab*trj	0.081	0.25	0.0
lab*tce	0.125	0.25	0.0
lab*nce	0.0	0.25	0.065

$n^* = 0,50$

chromaticness c^*

0,25 0,50 0,75 1,00

0,25 0,50 0,75 1,00

0,25 0,50 0,75 1,00

0,25 0,50 0,75 1,00

0,25 0,50 0,75 1,00

0,25 0,50 0,75 1,00

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

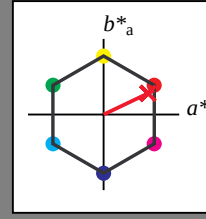
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 0,00$

chromaticness c^*

0,25 0,50 0,75 1,00

0,25 0,50 0,75 1,00

0,25 0,50 0,75 1,00

0,25 0,50 0,75 1,00

0,25 0,50 0,75 1,00

0,25 0,50 0,75 1,00

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	h^*_{ab}
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 23/360 = 0.065$

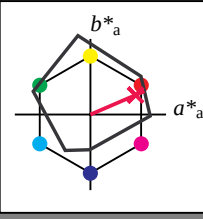
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 23/360 = 0.065 (left)

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.689	(1.0)
cmyn3*	0.0	0.5	0.311	(0.0)
olvi4*	1.0	0.5	0.689	(1.0)
cmyn4*	0.0	0.5	0.311	(0.0)

standard and adapted CIELAB

LAB*LAB	69.4	35.14	17.8
LAB*LABa	69.35	35.7	15.39
LAB*TCRa	75.0	38.88	23.32

relative CIELAB lab*

lab*lab	0.662	0.459	0.198
lab*tch	0.75	0.5	0.065
lab*nch	0.0	0.5	0.065

relative Natural Colour (NC)

lab*trj	0.662	0.5	0.0
lab*tce	0.5	0.5	0.0
lab*nce	0.0	0.5	0.065

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.439	(1.0)
cmyn3*	0.25	0.75	0.561	(0.0)
olvi4*	1.0	0.5	0.689	(1.0)
cmyn4*	0.0	0.5	0.311	(0.0)

standard and adapted CIELAB

LAB*LAB	49.42	34.82	17.68
LAB*LABa	49.42	35.71	15.39
LAB*TCRa	50.0	38.88	23.32

relative CIELAB lab*

lab*lab	0.412	0.459	0.198
lab*tch	0.625	0.5	0.065
lab*nch	0.0	0.5	0.065

relative Natural Colour (NC)

lab*trj	0.412	0.5	0.0
lab*tce	0.5	0.5	0.0
lab*nce	0.0	0.5	0.065

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.189	(1.0)
cmyn3*	0.5	1.0	0.811	(0.0)
olvi4*	1.0	0.5	0.689	(1.0)
cmyn4*	0.0	0.5	0.311	(0.0)

standard and adapted CIELAB

LAB*LAB	29.48	34.49	17.55
LAB*LABa	29.48	35.7	15.39
LAB*TCRa	25.01	38.88	23.32

relative CIELAB lab*

lab*lab	0.243	0.689	0.297
lab*tch	0.375	0.75	0.065
lab*nch	0.0	0.75	0.065

relative Natural Colour (NC)

lab*trj	0.243	0.75	0.0
lab*tce	0.375	0.75	0.0
lab*nce	0.0	0.75	0.065

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.094	(1.0)
cmyn3*	0.75	1.0	0.906	(0.0)
olvi4*	1.0	0.75	0.844	(1.0)
cmyn4*	0.0	0.75	0.156	(0.0)

standard and adapted CIELAB

LAB*LAB	23.02	16.33	9.81
LAB*LABa	23.02	17.85	7.7
LAB*TCRa	12.5	19.43	23.33

relative CIELAB lab*

lab*lab	0.081	0.229	0.099
lab*tch	0.125	0.25	0.065
lab*nch	0.0	0.25	0.065

relative Natural Colour (NC)

lab*trj	0.081	0.25	0.0
lab*tce	0.125	0.25	0.0
lab*nce	0.0	0.25	0.065

$n^* = 0,50$

5 step scales for constant CIELAB hue 23/360 = 0.065 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

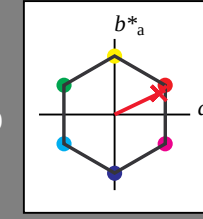
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

. Technology (IT)			
0.5	0.544	(1.0)	
0.5	0.456	(0.0)	
0.5	0.544	1.0	
0.5	0.456	0.0	
adapted CIELAB			
0.06	33.51	15.97	
0.06	33.51	15.97	
0.0	37.12	25.48	
B lab*			
0.5	0.451	0.215	
0.5	0.5	0.071	
0.0	0.5	0.071	
1 Colour (NC)			
0.5	0.5	0.0	
0.5	0.5	1.0	
0.0	0.5	b99r	

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

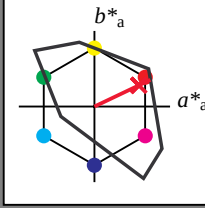
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.59 (1.0)
cmyn3* 0.0 0.5 0.431 (0.0)
olvi4* 1.0 0.5 0.69 (1.0)
cmyn4* 0.0 0.5 0.431 (0.0)
standard and adapted CIELAB
LAB*LAB 74.51 37.03 17.64
LAB*LABa 74.51 37.03 17.64
LAB*TCRa 75.0 41.02 25.48

relative CIELAB lab*
lab*lab 0.73 0.451 0.215
lab*tch 0.875 0.25 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.595 0.25 0.0
lab*tce 0.52 0.2 1.0
lab*nce 0.0 0.5 0.999

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.319 (1.0)
cmyn3* 0.25 0.75 0.681 (0.0)
olvi4* 1.0 0.5 0.569 (0.5)
cmyn4* 0.0 0.5 0.431 0.25
standard and adapted CIELAB
LAB*LAB 55.17 37.04 17.65
LAB*LABa 55.17 37.04 17.65
LAB*TCRa 50.0 41.03 25.48

relative CIELAB lab*
lab*lab 0.48 0.451 0.215
lab*tch 0.625 0.25 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.48 0.5 0.0
lab*tce 0.5 0.5 1.0
lab*nce 0.25 0.5 0.999

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.069 (1.0)
cmyn3* 0.5 1.0 0.931 (0.0)
olvi4* 1.0 0.5 0.569 0.5
cmyn4* 0.0 0.5 0.431 0.5
standard and adapted CIELAB
LAB*LAB 35.82 37.03 17.65
LAB*LABa 35.82 37.03 17.65
LAB*TCRa 25.01 41.02 25.48

relative CIELAB lab*
lab*lab 0.23 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.23 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.5 0.5 0.999

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.035 (1.0)
cmyn3* 0.75 1.0 0.965 (0.0)
olvi4* 1.0 0.75 0.785 0.25
cmyn4* 0.0 0.25 0.215 0.75
standard and adapted CIELAB
LAB*LAB 26.92 18.51 8.82
LAB*LABa 26.92 18.51 8.82
LAB*TCRa 12.5 20.51 25.48

relative CIELAB lab*
lab*lab 0.115 0.226 0.108
lab*tch 0.125 0.25 0.071
lab*nch 0.75 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.115 0.25 0.0
lab*tce 0.125 0.25 0.0
lab*nce 0.75 0.25 0.999

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

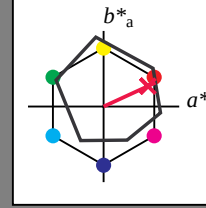
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.86 4.75
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCRa 75.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCRa 50.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCRa 25.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 1.0 0.75 0.831 (1.0)
cmyn3* 0.0 0.5 0.339 (0.0)
olvi4* 1.0 0.75 0.831 1.0
cmyn4* 0.0 0.25 0.169 0.0
standard and adapted CIELAB
LAB*LAB 83.55 16.38 11.84
LAB*LABa 83.55 17.14 7.98
LAB*TCRa 87.5 16.86 24.69

relative CIELAB lab*
lab*lab 0.847 0.227 0.104
lab*tch 0.875 0.25 0.069
lab*nch 0.0 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.847 0.25 0.0
lab*tce 0.875 0.25 1.0
lab*nce 0.0 0.25 0.999

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.581 (1.0)
cmyn3* 0.25 0.5 0.419 (0.0)
olvi4* 1.0 0.75 0.831 0.75
cmyn4* 0.0 0.25 0.169 0.25
standard and adapted CIELAB
LAB*LAB 64.21 16.75 10.54
LAB*LABa 64.21 17.14 7.88
LAB*TCRa 62.5 16.87 24.7

relative CIELAB lab*
lab*lab 0.597 0.227 0.104
lab*tch 0.625 0.25 0.069
lab*nch 0.25 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.597 0.25 0.0
lab*tce 0.625 0.25 1.0
lab*nce 0.25 0.25 0.999

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.331 (1.0)
cmyn3* 0.5 0.75 0.689 (0.0)
olvi4* 1.0 0.75 0.831 0.5
cmyn4* 0.0 0.25 0.169 0.5
standard and adapted CIELAB
LAB*LAB 52.36 34.13 17.62
LAB*LABa 52.36 34.29 15.77
LAB*TCRa 50.0 37.74 24.7

relative CIELAB lab*
lab*lab 0.444 0.454 0.209
lab*tch 0.5 0.5 0.069
lab*nch 0.25 0.5 0.069
relative Natural Colour (NC)
lab*trj 0.444 0.5 0.0
lab*tce 0.5 0.5 1.0
lab*nce 0.25 0.5 0.999

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.081 (1.0)
cmyn3* 0.75 1.0 0.919 (0.0)
olvi4* 1.0 0.75 0.831 0.25
cmyn4* 0.0 0.25 0.169 0.75
standard and adapted CIELAB
LAB*LAB 25.51 17.49 7.92
LAB*LABa 25.51 17.14 7.88
LAB*TCRa 12.5 16.86 24.71

relative CIELAB lab*
lab*lab 0.097 0.227 0.104
lab*tch 0.125 0.25 0.069
lab*nch 0.75 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.097 0.25 0.0
lab*tce 0.125 0.25 0.0
lab*nce 0.75 0.25 0.999

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Television Luminous System TLS18

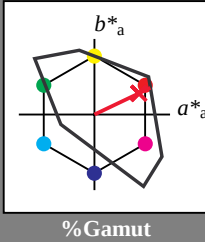
for hue $h^* = lab^*h = 25/360 = 0.071$
 lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness t^*



relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.07 0.0 0.0
 LAB^*TCha 75.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*LABa 56.72 0.0 0.0
 LAB^*TCha 50.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TCha 25.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 74.51 0.0 0.0
 LAB^*LABa 74.51 0.0 0.0
 LAB^*TCha 75.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 64.07 0.0 0.0
 $LAB^*LABa 64.07 0.0 0.0
 LAB^*TCha 62.5 61.53 25.48$

relative CIELAB lab*
 lab^*lab 0.595 0.677 0.323
 lab^*tch 0.625 0.75 0.071
 lab^*nch 0.0 0.75 0.071
 relative Natural Colour (NC)
 lab^*trj 0.595 0.677 0.323
 lab^*tce 0.625 0.75 0.071
 lab^*nce 0.0 0.75 0.071

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 55.17 0.0 0.0
 LAB^*LABa 55.17 0.0 0.0
 LAB^*TCha 50.01 41.03 25.48

relative CIELAB lab*
 lab^*lab 0.48 0.451 0.215
 lab^*tch 0.48 0.451 0.215
 lab^*nch 0.0 0.451 0.215
 relative Natural Colour (NC)
 lab^*trj 0.48 0.451 0.215
 lab^*tce 0.48 0.451 0.215
 lab^*nce 0.0 0.451 0.215

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 35.82 0.0 0.0
 LAB^*LABa 35.82 0.0 0.0
 LAB^*TCha 25.01 41.02 25.48

relative CIELAB lab*
 lab^*lab 0.23 0.451 0.215
 lab^*tch 0.23 0.451 0.215
 lab^*nch 0.0 0.451 0.215
 relative Natural Colour (NC)
 lab^*trj 0.23 0.451 0.215
 lab^*tce 0.23 0.451 0.215
 lab^*nce 0.0 0.451 0.215

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

1.00

0.75

$n^* = 0.00$

0.25

0.00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

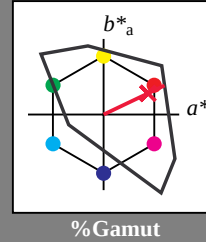
for hue $h^* = lab^*h = 25/360 = 0.071$
 lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 71.52 0.0 0.0
 LAB^*LABa 71.52 0.0 0.0
 LAB^*TCha 75.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 47.72 0.0 0.0
 LAB^*LABa 47.72 0.0 0.0
 LAB^*TCha 50.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 23.87 0.0 0.0
 LAB^*LABa 23.87 0.0 0.0
 LAB^*TCha 25.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.03 0.0 0.0
 LAB^*LABa 0.03 0.0 0.0
 LAB^*TCha 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

$n^* = 1.0$

chromaticness c^*

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 73.67 0.0 0.0
 LAB^*LABa 73.67 0.0 0.0
 LAB^*TCha 75.01 44.64 25.47

relative CIELAB lab*
 lab^*lab 0.772 0.451 0.215
 lab^*tch 0.772 0.451 0.215
 lab^*nch 0.0 0.451 0.215
 relative Natural Colour (NC)
 lab^*trj 0.772 0.451 0.215
 lab^*tce 0.772 0.451 0.215
 lab^*nce 0.0 0.451 0.215

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 49.83 0.0 0.0
 LAB^*LABa 49.83 0.0 0.0
 LAB^*TCha 50.01 44.65 25.48

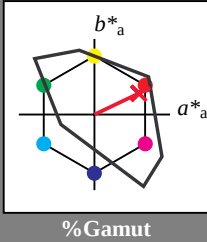
relative CIELAB lab*
 lab^*lab 0.522 0.451 0.215
 lab^*tch 0.522 0.451 0.215
 lab^*nch 0.0 0.451 0.215
 relative Natural Colour (NC)
 lab^*trj 0.522 0.451 0.215
 lab^*tce 0.522 0.451 0.215
 lab^*nce 0.0 0.451 0.215

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$
 lab^*tch and lab^*nch

D65: hue R
 LCH*Ma: 54 82 25
 olv*Ma: 1.0 0.0 0.14

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.01	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.569	(1.0)
cmyn3*	0.0	0.5	0.431	(0.0)
olvi4*	1.0	0.5	0.569	1.0
cmyn4*	0.0	0.5	0.431	0.0

standard and adapted CIELAB

LAB*LAB	74.51	37.03	17.64
LAB*LABa	74.51	37.03	17.64
LAB*LABb	75.0	41.02	25.48

relative CIELAB lab*

lab*lab	0.73	0.451	0.215
lab*tch	0.875	0.25	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.595	0.5	0.0
lab*tce	0.52	0.5	1.0
lab*nce	0.0	0.5	0.999

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.319	(1.0)
cmyn3*	0.25	0.75	0.681	(0.0)
olvi4*	1.0	0.5	0.569	0.75
cmyn4*	0.0	0.5	0.431	0.25

standard and adapted CIELAB

LAB*LAB	55.17	37.04	17.65
LAB*LABa	55.17	37.04	17.65
LAB*LABb	50.01	41.03	25.48

relative CIELAB lab*

lab*lab	0.48	0.451	0.215
lab*tch	0.625	0.25	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.48	0.5	0.0
lab*tce	0.5	0.5	1.0
lab*nce	0.25	0.5	0.999

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.069	(1.0)
cmyn3*	0.5	1.0	0.931	(0.0)
olvi4*	1.0	0.5	0.569	0.5
cmyn4*	0.0	0.5	0.431	0.5

standard and adapted CIELAB

LAB*LAB	35.82	37.03	17.65
LAB*LABa	35.82	37.03	17.65
LAB*LABb	25.01	41.02	25.48

relative CIELAB lab*

lab*lab	0.23	0.451	0.215
lab*tch	0.25	0.5	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.23	0.5	0.0
lab*tce	0.25	0.5	1.0
lab*nce	0.5	0.5	0.999

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.035	(1.0)
cmyn3*	0.75	1.0	0.965	(0.0)
olvi4*	1.0	0.75	0.785	0.25
cmyn4*	0.0	0.25	0.215	0.75

standard and adapted CIELAB

LAB*LAB	26.92	18.51	8.82
LAB*LABa	26.92	18.51	8.82
LAB*LABb	12.5	20.51	25.48

relative CIELAB lab*

lab*lab	0.115	0.226	0.108
lab*tch	0.125	0.25	0.071
lab*nch	0.0	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.115	0.25	0.0
lab*tce	0.125	0.25	1.0
lab*nce	0.25	0.25	0.999

$n^* = 0,50$

blackness n^*

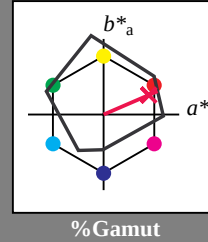
chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 23/360 = 0.065$
 lab^*tch and lab^*nch

D65: hue R
 LCH*Ma: 42 78 23
 olv*Ma: 1.0 0.0 0.38

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.31	0.11	2.58
LAB*LABa	96.31	0.11	2.58
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.38	0.44	2.45
LAB*LABa	76.38	0.44	2.45
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.44	0.78	2.32
LAB*LABa	56.44	0.78	2.32
LAB*LABb	50.01	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	36.5	1.09	2.19
LAB*LABa	36.5	1.09	2.19
LAB*LABb	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	-1.41	2.06
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.689	(1.0)
cmyn3*	0.0	0.5	0.311	(0.0)
olvi4*	1.0	0.5	0.689	1.0
cmyn4*	0.0	0.5	0.311	0.0
standard and adapted CIELAB				
LAB*LAB	69.35	35.14	17.8	
LAB*LABa	69.35	35.17	15.39	
LAB*TCa	75.0	38.88	23.32	
relative CIELAB lab*				
lab*lab	0.662	0.459	0.198	
lab*ch	0.75	0.5	0.065	
lab*ch	0.0	0.5	0.065	
relative Natural Colour (NC)				
lab*lrj	0.662	0.5	0.0	
lab*lrj	0.0	0.5	1.0	
lab*NC	0.0	0.5	0.999	

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

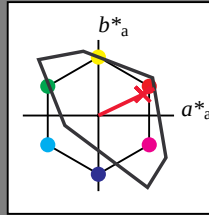
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.569	(1.0)
cmyn3*	0.0	0.5	0.431	(0.0)
olvi4*	1.0	0.5	0.569	(1.0)
cmyn4*	0.0	0.5	0.431	(0.0)

standard and adapted CIELAB

LAB*LAB	74.51	37.03	17.64
LAB*LABa	74.51	37.03	17.64
LAB*TCHa	75.0	41.02	25.48

relative CIELAB lab*

lab*lab	0.73	0.451	0.215
lab*tch	0.875	0.25	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.595	0.25	0.0
lab*tce	0.52	0.2	1.0
lab*nce	0.0	0.5	0.999

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.319	(1.0)
cmyn3*	0.25	0.75	0.681	(0.0)
olvi4*	1.0	0.5	0.569	(1.0)
cmyn4*	0.0	0.5	0.431	(0.0)

standard and adapted CIELAB

LAB*LAB	55.17	37.04	17.65
LAB*LABa	55.17	37.04	17.65
LAB*TCHa	50.0	41.03	25.48

relative CIELAB lab*

lab*lab	0.48	0.451	0.215
lab*tch	0.625	0.25	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.48	0.5	0.0
lab*tce	0.5	0.5	1.0
lab*nce	0.25	0.5	0.999

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.069	(1.0)
cmyn3*	0.5	1.0	0.931	(0.0)
olvi4*	1.0	0.5	0.569	(1.0)
cmyn4*	0.0	0.5	0.431	(0.0)

standard and adapted CIELAB

LAB*LAB	35.82	37.03	17.65
LAB*LABa	35.82	37.03	17.65
LAB*TCHa	25.01	41.02	25.49

relative CIELAB lab*

lab*lab	0.23	0.451	0.215
lab*tch	0.25	0.5	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.23	0.5	0.0
lab*tce	0.25	0.5	1.0
lab*nce	0.0	0.5	0.999

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.035	(1.0)
cmyn3*	0.75	1.0	0.965	(0.0)
olvi4*	1.0	0.75	0.785	(1.0)
cmyn4*	0.0	0.25	0.215	(0.0)

standard and adapted CIELAB

LAB*LAB	26.92	18.51	8.83
LAB*LABa	26.92	18.51	8.83
LAB*TCHa	12.5	20.51	25.48

relative CIELAB lab*

lab*lab	0.115	0.226	0.108
lab*tch	0.125	0.25	0.071
lab*nch	0.0	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.115	0.25	0.0
lab*tce	0.125	0.25	0.0
lab*nce	0.0	0.25	0.999

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

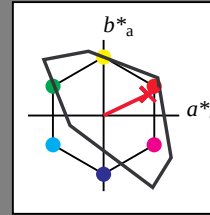
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

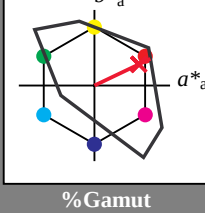
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*TCh 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*TCh 76.07 0.0 0.0
 relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -

relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*TCh 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*TCh 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*TCh 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.5 0.59 (1.0)
 $cmyn3^*$ 0.0 0.5 0.431 (0.0)
 $olvi4^*$ 1.0 0.5 0.59 (1.0)
 $cmyn4^*$ 0.0 0.5 0.431 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 74.51 37.03 17.64
 LAB^*TCh 74.51 37.03 17.64
 relative CIELAB lab*
 lab^*lab 0.75 0.451 0.215
 lab^*tch 0.875 0.25 0.071
 lab^*nch 0.0 0.5 0.071

relative Natural Colour (NC)
 lab^*trj 0.875 0.25 0.0
 lab^*tce 0.25 0.2 1.0
 lab^*nce 0.0 0.5 0.999

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.5 0.532 (1.0)
 $cmyn3^*$ 0.25 0.5 0.465 (0.0)
 $olvi4^*$ 1.0 0.5 0.532 (1.0)
 $cmyn4^*$ 0.0 0.5 0.465 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 65.61 18.52 8.82
 LAB^*TCh 65.61 18.52 8.82
 relative CIELAB lab*
 lab^*lab 0.615 0.226 0.108
 lab^*tch 0.625 0.25 0.071
 lab^*nch 0.0 0.25 0.071

relative Natural Colour (NC)
 lab^*trj 0.615 0.25 0.0
 lab^*tce 0.625 0.25 1.0
 lab^*nce 0.25 0.25 0.999

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.25 0.285 (1.0)
 $cmyn3^*$ 0.5 0.25 0.215 (0.0)
 $olvi4^*$ 1.0 0.5 0.285 (1.0)
 $cmyn4^*$ 0.0 0.25 0.215 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 46.26 18.52 8.82
 LAB^*TCh 46.26 18.52 8.82
 relative CIELAB lab*
 lab^*lab 0.365 0.226 0.108
 lab^*tch 0.375 0.25 0.071
 lab^*nch 0.0 0.25 0.071

relative Natural Colour (NC)
 lab^*trj 0.365 0.25 0.0
 lab^*tce 0.375 0.25 1.0
 lab^*nce 0.25 0.25 0.999

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.0 0.035 (1.0)
 $cmyn3^*$ 0.75 1.0 0.965 (0.0)
 $olvi4^*$ 1.0 0.75 0.785 (0.5)
 $cmyn4^*$ 0.0 0.25 0.215 (0.75)
 standard and adapted CIELAB
 LAB^*LAB 26.92 18.51 8.83
 LAB^*TCh 26.92 18.51 8.83
 relative CIELAB lab*
 lab^*lab 0.115 0.226 0.108
 lab^*tch 0.125 0.25 0.071
 lab^*nch 0.75 0.25 0.071

relative Natural Colour (NC)
 lab^*trj 0.115 0.25 0.0
 lab^*tce 0.125 0.25 0.0
 lab^*nce 0.75 0.25 0.0

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

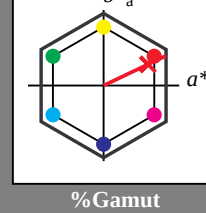
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*TCh 99.99 0.02 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 71.52 0.0 0.0
 LAB^*TCh 71.52 0.0 0.0
 relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -

relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*TCh 50.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*TCh 25.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*TCh 0.01 0.02 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.5 0.54 (1.0)
 $cmyn3^*$ 0.0 0.5 0.456 (0.0)
 $olvi4^*$ 1.0 0.5 0.54 (1.0)
 $cmyn4^*$ 0.0 0.5 0.456 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 65.61 41.3 19.68
 LAB^*TCh 65.61 41.3 19.68
 relative CIELAB lab*
 lab^*lab 0.841 0.226 0.107
 lab^*tch 0.875 0.25 0.071
 lab^*nch 0.0 0.25 0.071

relative Natural Colour (NC)
 lab^*trj 0.841 0.25 0.0
 lab^*tce 0.25 0.2 1.0
 lab^*nce 0.0 0.25 0.999

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.5 0.522 (1.0)
 $cmyn3^*$ 0.25 0.5 0.478 (0.0)
 $olvi4^*$ 1.0 0.5 0.522 (1.0)
 $cmyn4^*$ 0.0 0.25 0.228 (0.25)
 standard and adapted CIELAB
 LAB^*LAB 56.35 20.66 9.84
 LAB^*TCh 56.35 20.66 9.84
 relative CIELAB lab*
 lab^*lab 0.591 0.226 0.108
 lab^*tch 0.625 0.25 0.071
 lab^*nch 0.0 0.25 0.071

relative Natural Colour (NC)
 lab^*trj 0.591 0.25 0.0
 lab^*tce 0.625 0.25 1.0
 lab^*nce 0.25 0.25 0.999

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.25 0.272 (1.0)
 $cmyn3^*$ 0.5 0.25 0.228 (0.0)
 $olvi4^*$ 1.0 0.5 0.272 (0.5)
 $cmyn4^*$ 0.0 0.25 0.228 (0.5)
 standard and adapted CIELAB
 LAB^*LAB 41.15 41.31 19.68
 LAB^*TCh 41.15 41.31 19.68
 relative CIELAB lab*
 lab^*lab 0.431 0.451 0.215
 lab^*tch 0.431 0.451 0.215
 lab^*nch 0.25 0.5 0.071

relative Natural Colour (NC)
 lab^*trj 0.431 0.451 0.0
 lab^*tce 0.431 0.451 0.0
 lab^*nce 0.25 0.5 0.071

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.0 0.044 (1.0)
 $cmyn3^*$ 0.75 1.0 0.956 (0.0)
 $olvi4^*$ 1.0 0.75 0.785 (0.5)
 $cmyn4^*$ 0.0 0.25 0.215 (0.75)
 standard and adapted CIELAB
 LAB^*LAB 26.92 18.51 8.83
 LAB^*TCh 26.92 18.51 8.83
 relative CIELAB lab*
 lab^*lab 0.272 0.272 0.323
 lab^*tch 0.272 0.272 0.323
 lab^*nch 0.25 0.75 0.071

relative Natural Colour (NC)
 lab^*trj 0.272 0.272 0.323
 lab^*tce 0.272 0.272 0.323
 lab^*nce 0.25 0.75 0.071

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

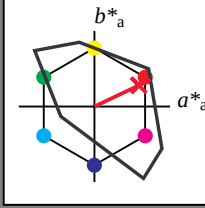
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.25	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.5	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.75	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	-	-
lab*nce	0.75	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.215	(0.0)
olvi4*	1.0	0.75	0.785	(1.0)
cmyn4*	0.0	0.25	0.215	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.96	18.51	8.82	0.0
LAB*LABa	84.96	18.51	8.82	0.0
LAB*TCRa	87.5	20.51	25.47	0.0
relative CIELAB lab*				
lab*lab	0.865	0.226	0.107	0.0
lab*tch	0.875	0.25	0.071	0.0
lab*nch	0.0	0.25	0.071	0.0
relative Natural Colour (NC)				
lab*trj	0.865	0.25	0.0	0.0
lab*tce	0.875	0.25	0.0	0.0
lab*nce	0.0	0.25	0.099	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.535	(1.0)
cmyn3*	0.25	0.5	0.465	(0.0)
olvi4*	1.0	0.75	0.785	(1.0)
cmyn4*	0.0	0.25	0.215	(0.0)
standard and adapted CIELAB				
LAB*LAB	65.61	18.52	8.82	0.0
LAB*LABa	65.61	18.52	8.82	0.0
LAB*TCRa	62.5	20.51	25.48	0.0
relative CIELAB lab*				
lab*lab	0.615	0.226	0.108	0.0
lab*tch	0.625	0.25	0.071	0.0
lab*nch	0.25	0.25	0.071	0.0
relative Natural Colour (NC)				
lab*trj	0.615	0.25	0.0	0.0
lab*tce	0.625	0.25	0.0	0.0
lab*nce	0.25	0.25	0.099	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.285	(1.0)
cmyn3*	0.5	0.75	0.715	(0.0)
olvi4*	1.0	0.75	0.785	(1.0)
cmyn4*	0.0	0.25	0.215	(0.0)
standard and adapted CIELAB				
LAB*LAB	46.26	18.52	8.82	0.0
LAB*LABa	46.26	18.52	8.82	0.0
LAB*TCRa	37.5	20.51	25.48	0.0
relative CIELAB lab*				
lab*lab	0.365	0.226	0.108	0.0
lab*tch	0.375	0.25	0.071	0.0
lab*nch	0.5	0.25	0.071	0.0
relative Natural Colour (NC)				
lab*trj	0.365	0.25	0.0	0.0
lab*tce	0.375	0.25	0.0	0.0
lab*nce	0.5	0.25	0.099	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.335	(1.0)
cmyn3*	0.75	1.0	0.965	(0.0)
olvi4*	1.0	0.75	0.785	(1.0)
cmyn4*	0.0	0.25	0.215	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.0	18.52	8.82	0.0
LAB*LABa	25.0	18.52	8.82	0.0
LAB*TCRa	12.5	20.51	25.5	0.0
relative CIELAB lab*				
lab*lab	0.115	0.226	0.108	0.0
lab*tch	0.125	0.25	0.071	0.0
lab*nch	0.75	0.25	0.071	0.0
relative Natural Colour (NC)				
lab*trj	0.115	0.25	0.0	0.0
lab*tce	0.125	0.25	0.0	0.0
lab*nce	0.75	0.25	0.099	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.335	(1.0)
cmyn3*	1.0	1.0	0.965	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

$n^* = 0,25$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.569	(1.0)
cmyn3*	0.0	0.5	0.431	(0.0)
olvi4*	1.0	0.5	0.569	(1.0)
cmyn4*	0.0	0.5	0.431	(0.0)
standard and adapted CIELAB				
LAB*LAB	74.51	37.03	17.64	0.0
LAB*LABa	74.51	37.03	17.64	0.0
LAB*TCRa	75.0	41.02	25.48	0.0
relative CIELAB lab*				
lab*lab	0.73	0.451	0.215	0.0
lab*tch	0.73	0.451	0.071	0.0
lab*nch	0.0	0.451	0.071	0.0
relative Natural Colour (NC)				
lab*trj	0.595	0.451	0.0	0.0
lab*tce	0.73	0.451	0.0	0.0
lab*nce	0.0	0.451	0.099	0.0

relative Inform. Technology (IT)				
olvi3*	1.0	0.25	0.354	(1.0)
cmyn3*	0.0	0.75	0.646	(0.0)
olvi4*	1.0	0.25	0.354	(1.0)
cmyn4*	0.0	0.75	0.646	(0.0)
standard and adapted CIELAB				
LAB*LAB	64.07	55.55	26.47	0.0
LAB*LABa	64.07	55.55	26.47	0.0
LAB*TCRa	62.5	61.53	25.48	0.0
relative CIELAB lab*				
lab*lab	0.595	0.677	0.323	0.0
lab*tch	0.625	0.75	0.071	0.0
lab*nch	0.0	0.75	0.071	0.0
relative Natural Colour (NC)				
lab*trj	0.595	0.75	0.0	0.0
lab*tce	0.625	0.75	0.0	0.0
lab*nce	0.0	0.75	0.099	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.25	0.138	(1.0)
cmyn3*	0.25	0.75	0.862	(0.0)
olvi4*	1.0	0.25	0.138	(1.0)
cmyn4*	0.0	0.25	0.862	(0.0)
standard and adapted CIELAB				
LAB*LAB	53.62	74.06	35.3	0.0
LAB*LABa	53.62	74.06	35.3	0.0
LAB*TCRa	50.0	82.04	25.48	0.0
relative CIELAB lab*				
lab*lab	0.46	0.903	0.43	0.0
lab*tch	0.5	1.0	0.071	0.0
lab*nch	0.0	1.0	0.071	0.0
relative Natural Colour (NC)				
lab*trj	0.46	1.0	0.0	0.0
lab*tce	0.5	1.0	0.0	0.0
lab*nce	0.0	1.0	0.099	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	0.069	(1.0)
cmyn3*	0.5	1.0	0.931	(0.0)
olvi4*	1.0	0.5	0.569	0.5
cmyn4*	0.0	0.5	0.431	0.5
standard and adapted CIELAB				
LAB*LAB	35.82	37.03	17.65	
LAB*LAB _a	35.82	37.03	17.65	
LAB*TC _h a	21.02	41.25	25.49	
relative CIELAB lab*				
lab*lab	0.23	0.45	0.215	
lab*lab _a	0.25	0.5	0.071	
lab*nc _h	0.5	0.5	0.071	
relative Natural Color (NC)				
lab*lrj	0.23	0.5	0.0	
lab*tc _e	0.25	0.5	0.0	
lab*nc _E	0.5	0.5	r00	

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

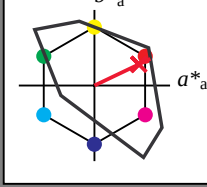
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.07 0.0 0.0
 LAB^*TCha 75.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*LABa 56.72 0.0 0.0
 LAB^*TCha 50.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TCha 25.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*nce 1.0 0.0 -

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

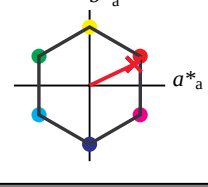
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.07 0.0 0.0
 LAB^*TCha 75.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*LABa 56.72 0.0 0.0
 LAB^*TCha 50.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TCha 25.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*nce 1.0 0.0 -

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.07 0.0 0.0
 LAB^*TCha 75.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*LABa 56.72 0.0 0.0
 LAB^*TCha 50.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TCha 25.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*nce 1.0 0.0 -

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.07 0.0 0.0
 LAB^*TCha 75.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*LABa 56.72 0.0 0.0
 LAB^*TCha 50.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TCha 25.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*nce 1.0 0.0 -

chromaticness c^*

Input: Colorimetric Television Luminous System TLS18

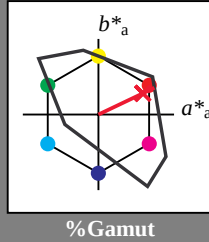
for hue $h^* = lab^*h = 25/360 = 0.071$
 lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*LABa \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*LABa \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*LABa \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.75 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

0,75

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 0.59 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.431 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.59 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.431 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 74.51 \ 37.03 \ 17.64$
 $LAB^*LABa \ 74.51 \ 37.03 \ 17.64$
 $LAB^*TCha \ 75.0 \ 41.02 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.5 \ 0.215$
 $lab^*tch \ 0.875 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.865 \ 0.25 \ 0.0$
 $lab^*tce \ 0.875 \ 0.25 \ 0.0$
 $lab^*nce \ 0.0 \ 0.25 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.25 \ 0.319 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.75 \ 0.681 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.59 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.431 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 55.17 \ 37.04 \ 17.65$
 $LAB^*LABa \ 55.17 \ 37.04 \ 17.65$
 $LAB^*TCha \ 50.0 \ 41.03 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.48 \ 0.451 \ 0.215$
 $lab^*tch \ 0.625 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.48 \ 0.5 \ 0.0$
 $lab^*tce \ 0.5 \ 0.5 \ 0.0$
 $lab^*nce \ 0.25 \ 0.5 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.0 \ 0.609 \ (1.0)$
 $cmyn3^* \ 0.5 \ 1.0 \ 0.931 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.59 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.431 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 35.82 \ 37.03 \ 17.65$
 $LAB^*LABa \ 35.82 \ 37.03 \ 17.65$
 $LAB^*TCha \ 25.01 \ 41.02 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.23 \ 0.451 \ 0.215$
 $lab^*tch \ 0.25 \ 0.5 \ 0.071$
 $lab^*nch \ 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.23 \ 0.5 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.0$
 $lab^*nce \ 0.5 \ 0.5 \ 0.099$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

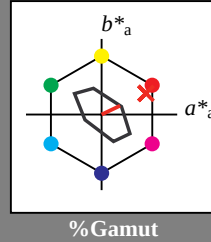
for hue $h^* = lab^*h = 25/360 = 0.071$
 lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 88.98 \ 0.0 \ 0.0$
 $LAB^*LABa \ 88.98 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 62.56 \ 0.0 \ 0.0$
 $LAB^*LABa \ 62.56 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*LABa \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.75 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.523 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.477 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.523 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.477 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 86.33 \ 12.27 \ 5.85$
 $LAB^*LABa \ 86.33 \ 12.27 \ 5.85$
 $LAB^*TCha \ 75.0 \ 13.59 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.647 \ 0.451 \ 0.215$
 $lab^*tch \ 0.75 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.647 \ 0.25 \ 0.0$
 $lab^*tce \ 0.75 \ 0.25 \ 0.0$
 $lab^*nce \ 0.0 \ 0.5 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.273 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.727 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.523 \ 0.5 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.477 \ 0.5 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 79.9 \ 12.27 \ 5.85$
 $LAB^*LABa \ 79.9 \ 12.27 \ 5.85$
 $LAB^*TCha \ 50.0 \ 13.59 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.397 \ 0.451 \ 0.215$
 $lab^*tch \ 0.625 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.397 \ 0.25 \ 0.0$
 $lab^*tce \ 0.625 \ 0.25 \ 0.0$
 $lab^*nce \ 0.25 \ 0.5 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.262 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.738 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.762 \ 0.75 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.238 \ 0.25 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 78.01 \ 6.14 \ 2.92$
 $LAB^*LABa \ 78.01 \ 6.14 \ 2.92$
 $LAB^*TCha \ 37.5 \ 6.8 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.573 \ 0.226 \ 0.108$
 $lab^*tch \ 0.625 \ 0.25 \ 0.071$
 $lab^*nch \ 0.25 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.573 \ 0.25 \ 0.0$
 $lab^*tce \ 0.625 \ 0.25 \ 0.0$
 $lab^*nce \ 0.25 \ 0.25 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 50.0 \ 0.0 \ 0.0$
 $LAB^*LABa \ 50.0 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.75 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

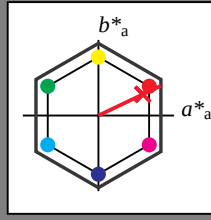
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCRa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCRa	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCRa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCRa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.28	(0.0)
olvi4*	1.0	0.75	0.72	1.0
cmyn4*	0.0	0.25	0.28	0.0

standard and adapted CIELAB

LAB*LAB	80.2	20.65	9.84
LAB*LABa	80.2	20.65	9.84
LAB*TCRa	87.5	22.87	25.48

relative CIELAB lab*

lab*lab	0.841	0.226	0.107
lab*tch	0.875	0.25	0.071
lab*nch	0.0	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.841	0.25	0.0
lab*tce	0.875	0.25	1.0
lab*nce	0.0	0.25	0.999

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.52	(1.0)
cmyn3*	0.25	0.5	0.478	(0.0)
olvi4*	1.0	0.75	0.72	1.0
cmyn4*	0.0	0.25	0.28	0.25

standard and adapted CIELAB

LAB*LAB	56.35	20.66	9.84
LAB*LABa	56.35	20.66	9.84
LAB*TCRa	62.5	22.88	25.48

relative CIELAB lab*

lab*lab	0.591	0.226	0.108
lab*tch	0.625	0.25	0.071
lab*nch	0.0	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.591	0.25	0.0
lab*tce	0.625	0.25	1.0
lab*nce	0.0	0.25	0.999

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.272	(1.0)
cmyn3*	0.5	0.75	0.728	(0.0)
olvi4*	1.0	0.75	0.72	1.0
cmyn4*	0.0	0.25	0.28	0.5

standard and adapted CIELAB

LAB*LAB	32.5	20.66	9.84
LAB*LABa	32.5	20.66	9.84
LAB*TCRa	37.5	22.88	25.48

relative CIELAB lab*

lab*lab	0.341	0.226	0.108
lab*tch	0.375	0.25	0.071
lab*nch	0.0	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.341	0.25	0.0
lab*tce	0.375	0.25	1.0
lab*nce	0.0	0.25	0.999

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.022	(1.0)
cmyn3*	0.75	1.0	0.978	(0.0)
olvi4*	1.0	0.75	0.722	0.25
cmyn4*	0.0	0.25	0.28	0.75

standard and adapted CIELAB

LAB*LAB	8.66	20.65	9.85
LAB*LABa	8.66	20.65	9.85
LAB*TCRa	12.5	22.87	25.5

relative CIELAB lab*

lab*lab	0.091	0.226	0.108
lab*tch	0.125	0.25	0.071
lab*nch	0.0	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.091	0.25	0.0
lab*tce	0.125	0.25	1.0
lab*nce	0.0	0.25	0.999

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCRa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,25$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.544	(1.0)
cmyn3*	0.0	0.5	0.456	(0.0)
olvi4*	1.0	0.5	0.544	1.0
cmyn4*	0.0	0.5	0.456	0.0

standard and adapted CIELAB

LAB*LAB	65.0	41.3	19.68
LAB*LABa	65.0	41.3	19.68
LAB*TCRa	75.0	45.75	25.48

relative CIELAB lab*

lab*lab	0.681	0.451	0.215
lab*tch	0.75	0.5	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.681	0.5	0.0
lab*tce	0.75	0.5	1.0
lab*nce	0.0	0.5	0.999

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.294	(1.0)
cmyn3*	0.25	0.75	0.706	(0.0)
olvi4*	1.0	0.5	0.544	1.0
cmyn4*	0.0	0.5	0.456	0.25

standard and adapted CIELAB

LAB*LAB	41.5	41.3	19.68
LAB*LABa	41.5	41.3	19.68
LAB*TCRa	50.0	45.75	25.48

relative CIELAB lab*

lab*lab	0.431	0.451	0.215
lab*tch	0.5	0.5	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.431	0.5	0.0
lab*tce	0.5	0.5	1.0
lab*nce	0.0	0.5	0.999

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.044	(1.0)
cmyn3*	0.5	1.0	0.956	(0.0)
olvi4*	1.0	0.5	0.544	0.5
cmyn4*	0.0	0.5	0.456	0.5

standard and adapted CIELAB

LAB*LAB	17.3	41.3	19.68
LAB*LABa	17.3	41.3	19.68
LAB*TCRa	25.01	45.75	25.48

relative CIELAB lab*

lab*lab	0.181	0.451	0.215
lab*tch	0.25	0.5	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.181	0.5	0.0
lab*tce	0.25	0.5	1.0
lab*nce	0.0	0.5	0.999

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.004	(1.0)
cmyn3*	0.75	1.0	0.996	(0.0)
olvi4*	1.0	0.25	0.294	0.25
cmyn4*	0.0	0.25	0.28	0.75

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCRa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCRa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,50$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

blackness n^*

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

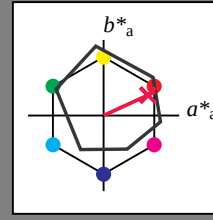
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.06	0.61	3.44
LAB*LABa	76.06	0.61	3.44
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	49.79	61.96	29.52
LAB*LABa	49.79	61.96	29.52
LAB*TCRa	62.5	68.63	25.48

relative CIELAB lab*

lab*lab	0.522	0.677	0.323
lab*tch	0.625	0.75	0.071
lab*nch	0.0	0.75	0.071

relative Natural Colour (NC)

lab*trj	0.522	0.75	0.0
lab*tce	0.625	0.75	1.0
lab*nce	0.0	0.75	0.999

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(1.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	
LAB*LABa	37.36	0.0	0.0	
LAB*TCha	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*labc	0.25	0.0	-	
lab*labch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.25	0.0	0.0	
lab*lic	0.25	0.0	-	
lab*nce	0.75	0.0	-	

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

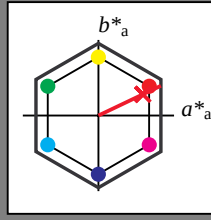
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.02	-	

relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	

relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	
LAB*LABb	75.0	0.02	-	

relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	

relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	
LAB*LABa	23.87	0.0	0.0	
LAB*LABb	25.0	0.02	-	

relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	

relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.75	(1.0)
cmyn3*	0.0	0.25	0.28	(0.0)
olvi4*	1.0	0.75	0.72	(1.0)
cmyn4*	0.0	0.25	0.28	(0.0)

standard and adapted CIELAB				
LAB*LAB	80.2	20.65	9.84	
LAB*LABa	80.2	20.65	9.84	
LAB*LABb	87.5	22.87	25.48	

relative CIELAB lab*				
lab*lab	0.841	0.226	0.107	
lab*tch	0.875	0.25	0.071	
lab*nch	0.0	0.25	0.071	

relative Natural Colour (NC)				
lab*trj	0.841	0.25	0.0	
lab*tce	0.0	0.25	0.099	
lab*nce	0.0	0.25	0.099	

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.52	(1.0)
cmyn3*	0.25	0.5	0.478	(0.0)
olvi4*	1.0	0.75	0.72	(1.0)
cmyn4*	0.0	0.25	0.28	(0.0)

standard and adapted CIELAB				
LAB*LAB	56.35	20.66	9.84	
LAB*LABa	56.35	20.66	9.84	
LAB*LABb	62.5	22.87	25.48	

relative CIELAB lab*				
lab*lab	0.591	0.226	0.108	
lab*tch	0.625	0.25	0.071	
lab*nch	0.0	0.25	0.071	

relative Natural Colour (NC)				
lab*trj	0.591	0.25	0.0	
lab*tce	0.0	0.25	0.1	
lab*nce	0.0	0.25	0.099	

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.272	(1.0)
cmyn3*	0.5	0.75	0.728	(0.0)
olvi4*	1.0	0.75	0.72	(1.0)
cmyn4*	0.0	0.25	0.28	(0.0)

standard and adapted CIELAB				
LAB*LAB	32.5	20.66	9.84	
LAB*LABa	32.5	20.66	9.84	
LAB*LABb	37.5	22.87	25.48	

relative CIELAB lab*				
lab*lab	0.341	0.226	0.108	
lab*tch	0.375	0.25	0.071	
lab*nch	0.0	0.25	0.071	

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.544	(1.0)
cmyn3*	0.0	0.5	0.456	(0.0)
olvi4*	1.0	0.5	0.544	(1.0)
cmyn4*	0.0	0.5	0.456	(0.0)

standard and adapted CIELAB				
LAB*LAB	65.0	41.3	19.68	
LAB*LABa	65.0	41.3	19.68	
LAB*LABb	75.0	45.75	25.48	

relative CIELAB lab*				
lab*lab	0.681	0.451	0.215	
lab*tch	0.75	0.5	0.071	
lab*nch	0.0	0.5	0.071	

relative Natural Colour (NC)				
lab*trj	0.681	0.5	0.0	
lab*tce	0.0	0.5	0.1	
lab*nce	0.0	0.5	0.099	

relative Inform. Technology (IT)				
olvi3*	0.75	0.25	0.294	(1.0)
cmyn3*	0.25	0.75	0.706	(0.0)
olvi4*	1.0	0.5	0.544	(1.0)
cmyn4*	0.0	0.5	0.456	(0.0)

standard and adapted CIELAB				
LAB*LAB	41.5	41.3	19.68	
LAB*LABa	41.5	41.3	19.68	
LAB*LABb	50.0	45.75	25.48	

relative CIELAB lab*				
lab*lab	0.431	0.451	0.215	
lab*tch	0.5	0.5	0.071	
lab*nch	0.0	0.5	0.071	

relative Natural Colour (NC)				
lab*trj	0.431	0.5	0.0	
lab*tce	0.0	0.5	0.1	
lab*nce	0.0	0.5	0.099	

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	0.044	(1.0)
cmyn3*	0.5	1.0	0.956	(0.0)
olvi4*	1.0	0.5	0.544	(1.0)
cmyn4*	0.0	0.5	0.456	(0.0)

standard and adapted CIELAB				
LAB*LAB	17.3	41.3	19.68	
LAB*LABa	17.3	41.3	19.68	
LAB*LABb	25.01	45.75	25.48	

relative CIELAB lab*				
lab*lab	0.181	0.451	0.215	
lab*tch	0.25	0.5	0.071	
lab*nch	0.0	0.5	0.071	

relative Inform. Technology (IT)				
olvi3*	1.0	0.25	0.315	(1.0)
cmyn3*	0.0	0.75	0.685	(0.0)
olvi4*	1.0	0.25	0.315	(1.0)
cmyn4*	0.0	0.75	0.685	(0.0)

standard and adapted CIELAB				
LAB*LAB	49.79	61.96	29.52	
LAB*LABa	49.79	61.96	29.52	
LAB*LABb	62.5	68.63	25.48	

relative CIELAB lab*				
lab*lab	0.522	0.677	0.323	
lab*tch	0.625	0.75	0.071	
lab*nch	0.0	0.75	0.071	

relative Natural Colour (NC)				
lab*trj	0.522	0.75	0.0	
lab*tce	0.0	0.75	0.1	
lab*nce	0.0	0.75	0.099	

relative Inform. Technology (IT)				
olvi3*	1.0	0.0	0.087	(1.0)
cmyn3*	0.0	1.0	0.913	(0.0)
olvi4*	1.0	0.0	0.087	(1.0)
cmyn4*	0.0	1.0	0.913	(0.0)

standard and adapted CIELAB				
LAB*LAB	34.59	82.6	39.37	
LAB*LABa	34.59	82.6	39.37	
LAB*LABb	50.0	91.51	25.48	

relative CIELAB lab*				
lab*lab	0.362	0.903	0.43	
lab*tch	0.5	1.0	0.071	
lab*nch	0.0	1.0	0.071	

relative Natural Colour (NC)				
lab*trj	0.362	1.0	0.0	
lab*tce	0.0	1.0	0.1	
lab*nce	0.0	1.0	0.099	

relative Inform. Technology (IT)				
olvi3*	0.75	0.0	0.063	(1.0)
cmyn3*	0.25	1.0	0.937	(0.0)
olvi4*	1.0	0.0	0.063	(1.0)
cmyn4*	0.0	1.0	0.937	(0.0)

standard and adapted CIELAB				
LAB*LAB	25.95	61.96	29.53	
LAB*LABa	25.95	61.96	29.53	
LAB*LABb	37.51	68.63	25.48	

relative CIELAB lab*				
lab*lab	0.272	0.677	0.323	
lab*tch	0.375	0.75	0.071	
lab*nch	0.0	0.75	0.071	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*LABb	50.0	0.01	-	

relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	

relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

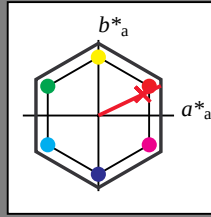
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0.75

$n^* = 0.00$

0.25

blackness n^*

$n^* = 0.50$

0.75

1.00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 23/360 = 0.065$

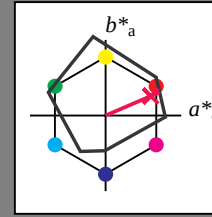
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness t^*



DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

0.75

$n^* = 0.00$

0.25

blackness n^*

$n^* = 0.50$

0.75

1.00

chromaticness c^*

$n^* = 1.0$

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

$n^* = 1.0$

5 step scales for constant CIELAB hue 23/360 = 0.065 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

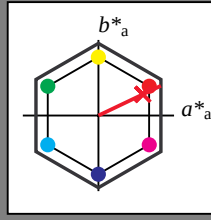
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB^* \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCh^* \ 99.99 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab^* \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch^* \ 1.0 \ 0.0 \ -$
 $lab^*nch^* \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj^* \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce^* \ 0.0 \ 0.0 \ -$
 $lab^*nce^* \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB^* \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCh^* \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab^* \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch^* \ 0.75 \ 0.0 \ -$
 $lab^*nch^* \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj^* \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce^* \ 0.25 \ 0.0 \ -$
 $lab^*nce^* \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB^* \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCh^* \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab^* \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch^* \ 0.5 \ 0.0 \ -$
 $lab^*nch^* \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj^* \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce^* \ 0.5 \ 0.0 \ -$
 $lab^*nce^* \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB^* \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCh^* \ 25.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab^* \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch^* \ 0.25 \ 0.0 \ -$
 $lab^*nch^* \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj^* \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce^* \ 0.75 \ 0.0 \ -$
 $lab^*nce^* \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB^* \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCh^* \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab^* \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch^* \ 0.0 \ 0.0 \ -$
 $lab^*nch^* \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj^* \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce^* \ 1.0 \ 0.0 \ -$
 $lab^*nce^* \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 0.544 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.456 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.544 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.456 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB^* \ 65.0 \ 41.3 \ 19.68$
 $LAB^*TCh^* \ 75.0 \ 45.75 \ 25.48$

relative CIELAB lab*
 $lab^*lab^* \ 0.841 \ 0.226 \ 0.107$
 $lab^*tch^* \ 0.875 \ 0.25 \ 0.071$
 $lab^*nch^* \ 0.0 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj^* \ 0.841 \ 0.25 \ 0.0$
 $lab^*tce^* \ 0.875 \ 0.25 \ 0.0$
 $lab^*nce^* \ 0.0 \ 0.25 \ 0.071$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.522 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.478 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.544 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.456 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB^* \ 56.35 \ 20.66 \ 9.84$
 $LAB^*TCh^* \ 62.5 \ 22.87 \ 25.48$

relative CIELAB lab*
 $lab^*lab^* \ 0.591 \ 0.226 \ 0.108$
 $lab^*tch^* \ 0.625 \ 0.25 \ 0.071$
 $lab^*nch^* \ 0.25 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj^* \ 0.591 \ 0.25 \ 0.0$
 $lab^*tce^* \ 0.625 \ 0.25 \ 0.0$
 $lab^*nce^* \ 0.25 \ 0.25 \ 0.071$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.294 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.75 \ 0.706 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.544 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.456 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB^* \ 41.15 \ 41.31 \ 19.68$
 $LAB^*TCh^* \ 50.0 \ 45.75 \ 25.48$

relative CIELAB lab*
 $lab^*lab^* \ 0.431 \ 0.451 \ 0.215$
 $lab^*tch^* \ 0.375 \ 0.25 \ 0.071$
 $lab^*nch^* \ 0.25 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj^* \ 0.431 \ 0.5 \ 0.0$
 $lab^*tce^* \ 0.5 \ 0.5 \ 0.0$
 $lab^*nce^* \ 0.25 \ 0.5 \ 0.071$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.0 \ 0.044 \ (1.0)$
 $cmyn3^* \ 0.5 \ 1.0 \ 0.966 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.544 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.456 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB^* \ 17.3 \ 41.3 \ 19.69$
 $LAB^*TCh^* \ 25.01 \ 45.75 \ 25.49$

relative CIELAB lab*
 $lab^*lab^* \ 0.181 \ 0.451 \ 0.215$
 $lab^*tch^* \ 0.25 \ 0.5 \ 0.071$
 $lab^*nch^* \ 0.5 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj^* \ 0.181 \ 0.5 \ 0.0$
 $lab^*tce^* \ 0.25 \ 0.5 \ 0.0$
 $lab^*nce^* \ 0.5 \ 0.5 \ 0.071$

$n^* = 0,50$

$n^* = 0,00$

0,25

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

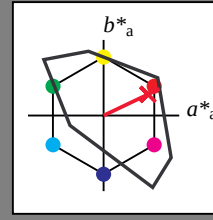
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB^* \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCh^* \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab^* \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch^* \ 1.0 \ 0.0 \ -$
 $lab^*nch^* \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj^* \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce^* \ 0.0 \ 0.0 \ -$
 $lab^*nce^* \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB^* \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCh^* \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab^* \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch^* \ 0.75 \ 0.0 \ -$
 $lab^*nch^* \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj^* \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce^* \ 0.25 \ 0.0 \ -$
 $lab^*nce^* \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB^* \ 49.79 \ 61.96 \ 29.52$
 $LAB^*TCh^* \ 62.5 \ 68.63 \ 25.48$

relative CIELAB lab*
 $lab^*lab^* \ 0.522 \ 0.677 \ 0.323$
 $lab^*tch^* \ 0.625 \ 0.75 \ 0.071$
 $lab^*nch^* \ 0.0 \ 0.75 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj^* \ 0.522 \ 0.75 \ 0.0$
 $lab^*tce^* \ 0.625 \ 0.75 \ 0.0$
 $lab^*nce^* \ 0.0 \ 0.75 \ 0.071$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.0 \ 0.087 \ (1.0)$
 $cmyn3^* \ 0.0 \ 1.0 \ 0.913 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.0 \ 0.087 \ (1.0)$
 $cmyn4^* \ 0.0 \ 1.0 \ 0.913 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB^* \ 34.59 \ 82.6 \ 39.37$
 $LAB^*TCh^* \ 50.0 \ 91.51 \ 25.48$

relative CIELAB lab*
 $lab^*lab^* \ 0.362 \ 0.903 \ 0.43$
 $lab^*tch^* \ 0.5 \ 1.0 \ 0.071$
 $lab^*nch^* \ 0.5 \ 1.0 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj^* \ 0.362 \ 1.0 \ 0.0$
 $lab^*tce^* \ 0.5 \ 1.0 \ 0.0$
 $lab^*nce^* \ 0.5 \ 1.0 \ 0.071$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB^* \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCh^* \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab^* \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch^* \ 0.25 \ 0.0 \ -$
 $lab^*nch^* \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj^* \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce^* \ 0.75 \ 0.0 \ -$
 $lab^*nce^* \ 0.75 \ 0.0 \ -$

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 0.569 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.431 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.569 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.431 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB^* \ 74.51 \ 37.03 \ 17.64$
 $LAB^*TCh^* \ 75.0 \ 41.02 \ 25.48$

relative CIELAB lab*
 $lab^*lab^* \ 0.73 \ 0.451 \ 0.215$
 $lab^*tch^* \ 0.75 \ 0.25 \ 0.071$
 $lab^*nch^* \ 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj^* \ 0.73 \ 0.451 \ 0.0$
 $lab^*tce^* \ 0.75 \ 0.25 \ 0.0$
 $lab^*nce^* \ 0.0 \ 0.5 \ 0.071$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.539 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.465 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.569 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.431 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB^* \ 65.61 \ 18.52 \ 8.82$
 $LAB^*TCh^* \ 62.5 \ 20.51 \ 25.48$

relative CIELAB lab*
 $lab^*lab^* \ 0.615 \ 0.226 \ 0.108$
 $lab^*tch^* \ 0.625 \ 0.25 \ 0.071$
 $lab^*nch^* \ 0.25 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj^* \ 0.615 \ 0.25 \ 0.0$
 $lab^*tce^* \ 0.625 \ 0.25 \ 0.0$
 $lab^*nce^* \ 0.25 \ 0.25 \ 0.071$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.285 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.75 \ 0.715 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.569 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.215 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB^* \ 55.17 \ 37.04 \ 17.65$
 $LAB^*TCh^* \ 50.0 \ 41.03 \ 25.48$

relative CIELAB lab*
 $lab^*lab^* \ 0.48 \ 0.451 \ 0.215$
 $lab^*tch^* \ 0.5 \ 0.75 \ 0.071$
 $lab^*nch^* \ 0.25 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj^* \ 0.48 \ 0.5 \ 0.0$
 $lab^*tce^* \ 0.5 \ 0.75 \ 0.0$
 $lab^*nce^* \ 0.25 \ 0.5 \ 0.071$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.0 \ 0.069 \ (1.0)$
 $cmyn3^* \ 0.5 \ 1.0 \ 0.931 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.569 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.431 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB^* \ 35.82 \ 37.03 \ 17.65$
 $LAB^*TCh^* \ 25.01 \ 41.02 \ 25.49$

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

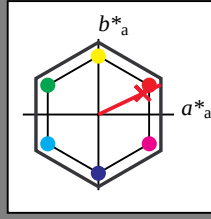
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	31.81	82.62	47.7	95.4	30
YMa	63.61	0.0	95.4	95.4	90
LMa	31.81	-82.61	47.7	95.4	150
CMa	63.61	-82.61	-47.69	95.4	210
VMa	31.81	0.0	-95.39	95.4	270
MMa	63.61	82.62	-47.69	95.4	330
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

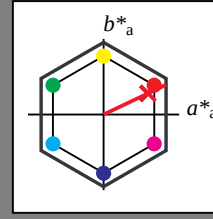
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	31.81	82.62	47.7	95.4	30
YMa	63.61	0.0	95.4	95.4	90
LMa	31.81	-82.61	47.7	95.4	150
CMa	63.61	-82.61	-47.69	95.4	210
VMa	31.81	0.0	-95.39	95.4	270
MMa	63.61	82.62	-47.69	95.4	330
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

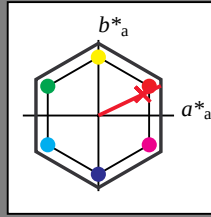
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



%Gamut
 $u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCBa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCBa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCBa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCBa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

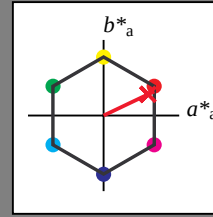
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



%Gamut
 $u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCBa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.72 0.0 0.0
LAB*LABa 46.72 0.0 0.0
LAB*TCBa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.37 0.0 0.0
LAB*LABa 23.37 0.0 0.0
LAB*TCBa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCBa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

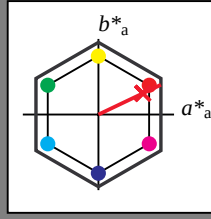
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 0.544 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.456 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.772 \ 0.0$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.456 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 65.0 \ 41.3 \ 19.68$
 $LAB^*TCha \ 75.0 \ 45.75 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.841 \ 0.226 \ 0.107$
 $lab^*tch \ 0.875 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.841 \ 0.25 \ 0.0$
 $lab^*tce \ 0.875 \ 0.25 \ 0.0$
 $lab^*nce \ 0.0 \ 0.25 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.522 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.478 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.772 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.228 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.35 \ 20.65 \ 9.84$
 $LAB^*TCha \ 62.5 \ 22.87 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.591 \ 0.226 \ 0.108$
 $lab^*tch \ 0.625 \ 0.25 \ 0.071$
 $lab^*nch \ 0.25 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.591 \ 0.25 \ 0.0$
 $lab^*tce \ 0.625 \ 0.25 \ 0.0$
 $lab^*nce \ 0.25 \ 0.25 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.272 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.728 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.772 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.228 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 32.5 \ 20.65 \ 9.84$
 $LAB^*TCha \ 37.5 \ 22.87 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.341 \ 0.226 \ 0.108$
 $lab^*tch \ 0.375 \ 0.25 \ 0.071$
 $lab^*nch \ 0.25 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.341 \ 0.25 \ 0.0$
 $lab^*tce \ 0.375 \ 0.25 \ 0.0$
 $lab^*nce \ 0.25 \ 0.25 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.0 \ 0.044 \ (1.0)$
 $cmyn3^* \ 0.75 \ 1.0 \ 0.956 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.544 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.456 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 17.3 \ 41.3 \ 19.68$
 $LAB^*TCha \ 25.01 \ 45.75 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.181 \ 0.451 \ 0.215$
 $lab^*tch \ 0.25 \ 0.5 \ 0.071$
 $lab^*nch \ 0.5 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.181 \ 0.5 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.0$
 $lab^*nce \ 0.5 \ 0.5 \ 0.099$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

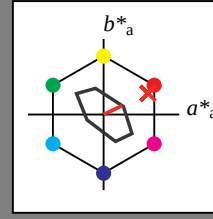
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 88.98 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 82.56 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 61.13 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.523 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.477 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.772 \ 0.0$
 $cmyn4^* \ 0.0 \ 0.477 \ 0.5 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 86.33 \ 12.27 \ 5.85$
 $LAB^*TCha \ 75.0 \ 13.59 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.647 \ 0.451 \ 0.215$
 $lab^*tch \ 0.75 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.647 \ 0.25 \ 0.0$
 $lab^*tce \ 0.75 \ 0.25 \ 0.0$
 $lab^*nce \ 0.0 \ 0.5 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.512 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.488 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.772 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.238 \ 0.25 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 84.4 \ 6.14 \ 2.92$
 $LAB^*TCha \ 62.5 \ 6.8 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.573 \ 0.226 \ 0.108$
 $lab^*tch \ 0.625 \ 0.25 \ 0.071$
 $lab^*nch \ 0.25 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.573 \ 0.25 \ 0.0$
 $lab^*tce \ 0.625 \ 0.25 \ 0.0$
 $lab^*nce \ 0.25 \ 0.25 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.262 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.238 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.772 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.238 \ 0.25 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 79.9 \ 12.27 \ 5.85$
 $LAB^*TCha \ 50.0 \ 13.59 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.397 \ 0.451 \ 0.215$
 $lab^*tch \ 0.375 \ 0.25 \ 0.071$
 $lab^*nch \ 0.25 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.397 \ 0.25 \ 0.0$
 $lab^*tce \ 0.375 \ 0.25 \ 0.0$
 $lab^*nce \ 0.25 \ 0.25 \ 0.099$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.023 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.977 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.544 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.477 \ 0.5 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 73.47 \ 12.27 \ 5.84$
 $LAB^*TCha \ 25.01 \ 13.59 \ 25.46$

relative CIELAB lab*
 $lab^*lab \ 0.147 \ 0.451 \ 0.215$
 $lab^*tch \ 0.25 \ 0.5 \ 0.071$
 $lab^*nch \ 0.5 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 lab^*

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

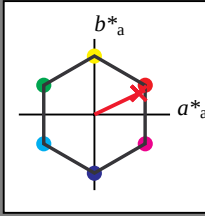
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.544	(1.0)
cmyn3*	0.0	0.5	0.456	(0.0)
olvi4*	1.0	0.5	0.456	(1.0)
cmyn4*	0.0	0.5	0.456	(0.0)

standard and adapted CIELAB

LAB*LAB	70.73	33.51	15.97
LAB*LABa	70.73	33.51	15.97
LAB*TCRa	75.0	37.12	25.48

relative CIELAB lab*

lab*lab	0.841	0.226	0.107
lab*tch	0.875	0.25	0.071
lab*nch	0.0	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.841	0.25	0.0
lab*tce	0.875	0.25	0.0
lab*nce	0.0	0.25	0.099

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.522	(1.0)
cmyn3*	0.25	0.5	0.478	(0.0)
olvi4*	1.0	0.5	0.544	(1.0)
cmyn4*	0.0	0.5	0.456	(0.0)

standard and adapted CIELAB

LAB*LAB	63.72	16.76	7.99
LAB*LABa	63.72	16.76	7.99
LAB*TCRa	62.5	36.6	24.7

relative CIELAB lab*

lab*lab	0.591	0.226	0.108
lab*tch	0.625	0.25	0.071
lab*nch	0.0	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.591	0.25	0.0
lab*tce	0.625	0.25	0.0
lab*nce	0.0	0.25	0.099

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.272	(1.0)
cmyn3*	0.5	0.25	0.228	(0.0)
olvi4*	1.0	0.25	0.272	(1.0)
cmyn4*	0.0	0.25	0.228	(0.0)

standard and adapted CIELAB

LAB*LAB	44.37	16.76	7.99
LAB*LABa	44.37	16.76	7.99
LAB*TCRa	37.5	36.6	24.7

relative CIELAB lab*

lab*lab	0.341	0.226	0.108
lab*tch	0.375	0.25	0.071
lab*nch	0.0	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.341	0.25	0.0
lab*tce	0.375	0.25	0.0
lab*nce	0.0	0.25	0.099

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.044	(1.0)
cmyn3*	0.75	0.0	0.356	(0.0)
olvi4*	1.0	0.0	0.356	(1.0)
cmyn4*	0.0	0.0	0.356	(0.0)

standard and adapted CIELAB

LAB*LAB	32.04	33.51	15.97
LAB*LABa	32.04	33.51	15.97
LAB*TCRa	25.01	37.12	25.48

relative CIELAB lab*

lab*lab	0.181	0.451	0.215
lab*tch	0.25	0.5	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.181	0.451	0.0
lab*tce	0.25	0.5	0.0
lab*nce	0.0	0.5	0.099

$n^* = 0,50$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

$n^* = 5,25$

$n^* = 5,50$

$n^* = 5,75$

$n^* = 6,00$

$n^* = 6,25$

$n^* = 6,50$

$n^* = 6,75$

$n^* = 7,00$

$n^* = 7,25$

$n^* = 7,50$

$n^* = 7,75$

$n^* = 8,00$

$n^* = 8,25$

$n^* = 8,50$

$n^* = 8,75$

$n^* = 9,00$

$n^* = 9,25$

$n^* = 9,50$

$n^* = 9,75$

$n^* = 10,00$

$n^* = 10,25$

$n^* = 10,50$

$n^* = 10,75$

$n^* = 11,00$

$n^* = 11,25$

$n^* = 11,50$

$n^* = 11,75$

$n^* = 12,00$

$n^* = 12,25$

$n^* = 12,50$

$n^* = 12,75$

$n^* = 13,00$

$n^* = 13,25$

$n^* = 13,50$

$n^* = 13,75$

$n^* = 14,00$

$n^* = 14,25$

$n^* = 14,50$

$n^* = 14,75$

$n^* = 15,00$

$n^* = 15,25$

$n^* = 15,50$

$n^* = 15,75$

$n^* = 16,00$

$n^* = 16,25$

$n^* = 16,50$

$n^* = 16,75$

$n^* = 17,00$

$n^* = 17,25$

$n^* = 17,50$

$n^* = 17,75$

$n^* = 18,00$

$n^* = 18,25$

$n^* = 18,50$

$n^* = 18,75$

$n^* = 19,00$

$n^* = 19,25$

$n^* = 19,50$

$n^* = 19,75$

$n^* = 20,00$

$n^* = 20,25$

$n^* = 20,50$

$n^* = 20,75$

$n^* = 21,00$

$n^* = 21,25$

$n^* = 21,50$

$n^* = 21,75$

$n^* = 22,00$

$n^* = 22,25$

$n^* = 22,50$

$n^* = 22,75$

$n^* = 23,00$

$n^* = 23,25$

$n^* = 23,50$

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

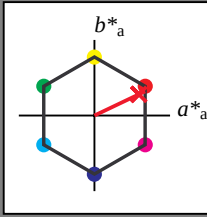
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.522	(1.0)
cmyn3*	0.25	0.5	0.478	(0.0)
olvi4*	1.0	0.5	0.544	(1.0)
cmyn4*	0.0	0.5	0.228	(0.0)

standard and adapted CIELAB

LAB*LAB	63.72	16.76	7.99
LAB*LABa	63.72	16.76	7.99
LAB*TCRa	50.0	37.13	25.48

relative CIELAB lab*

lab*lab	0.591	0.226	0.108
lab*tch	0.625	0.25	0.071
lab*nch	0.25	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.591	0.25	0.0
lab*tce	0.625	0.25	0.0
lab*nce	0.25	0.25	0.099

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.294	(1.0)
cmyn3*	0.25	0.75	0.706	(0.0)
olvi4*	1.0	0.5	0.544	(1.0)
cmyn4*	0.0	0.5	0.456	(0.0)

standard and adapted CIELAB

LAB*LAB	51.39	33.52	15.97
LAB*LABa	51.39	33.52	15.97
LAB*TCRa	50.0	37.13	25.48

relative CIELAB lab*

lab*lab	0.431	0.451	0.215
lab*tch	0.375	0.5	0.071
lab*nch	0.25	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.431	0.5	0.0
lab*tce	0.375	0.5	0.0
lab*nce	0.25	0.5	0.100

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.044	(1.0)
cmyn3*	0.5	1.0	0.956	(0.0)
olvi4*	1.0	0.5	0.544	(1.0)
cmyn4*	0.0	0.5	0.456	(0.0)

standard and adapted CIELAB

LAB*LAB	32.04	33.51	15.97
LAB*LABa	32.04	33.51	15.97
LAB*TCRa	25.01	37.12	25.49

relative CIELAB lab*

lab*lab	0.181	0.451	0.215
lab*tch	0.25	0.5	0.071
lab*nch	0.5	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.181	0.5	0.0
lab*tce	0.25	0.5	0.0
lab*nce	0.5	0.5	0.00

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.022	(1.0)
cmyn3*	0.75	1.0	0.978	(0.0)
olvi4*	1.0	0.75	0.722	(1.0)
cmyn4*	0.0	0.25	0.228	(0.0)

standard and adapted CIELAB

LAB*LAB	25.03	16.75	7.99
LAB*LABa	25.03	16.75	7.99
LAB*TCRa	12.5	18.56	25.5

relative CIELAB lab*

lab*lab	0.091	0.226	0.108
lab*tch	0.125	0.25	0.071
lab*nch	0.75	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.091	0.25	0.0
lab*tce	0.125	0.25	0.0
lab*nce	0.75	0.25	0.00

$n^* = 0,50$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.544	(1.0)
cmyn3*	0.0	0.5	0.456	(0.0)
olvi4*	1.0	0.25	0.316	(1.0)
cmyn4*	0.0	0.5	0.456	(0.0)

standard and adapted CIELAB

LAB*LAB	70.73	33.51	15.97
LAB*LABa	70.73	33.51	15.97
LAB*TCRa	75.0	37.12	25.48

relative CIELAB lab*

lab*lab	0.681	0.451	0.215
lab*tch	0.75	0.5	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.681	0.5	0.0
lab*tce	0.75	0.5	0.0
lab*nce	0.0	0.5	0.099

relative Inform. Technology (IT)

olvi3*	1.0	0.25	0.316	(1.0)
cmyn3*	0.0	0.75	0.684	(0.0)
olvi4*	1.0	0.25	0.316	(1.0)
cmyn4*	0.0	0.75	0.684	(0.0)

standard and adapted CIELAB

LAB*LAB	58.4	50.27	23.95
LAB*LABa	58.4	50.27	23.95
LAB*TCRa	62.5	55.68	25.48

relative CIELAB lab*

lab*lab	0.522	0.677	0.323
lab*tch	0.625	0.75	0.071
lab*nch	0.0	0.75	0.071

relative Natural Colour (NC)

lab*trj	0.522	0.75	0.0
lab*tce	0.625	0.75	0.0
lab*nce	0.0	0.75	0.099

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.066	(1.0)
cmyn3*	0.25	1.0	0.934	(0.0)
olvi4*	1.0	0.25	0.316	(1.0)
cmyn4*	0.0	0.75	0.684	(0.0)

standard and adapted CIELAB

LAB*LAB	39.05	50.27	23.96
LAB*LABa	39.05	50.27	23.96
LAB*TCRa	37.51	55.68	25.48

relative CIELAB lab*

lab*lab	0.362	0.903	0.43
lab*tch	0.5	1.0	0.071
lab*nch	0.0	1.0	0.071

relative Natural Colour (NC)

lab*trj	0.362	1.0	0.0
lab*tce	0.5	1.0	0.0
lab*nce	0.0	1.0	0.00

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.044	(1.0)
cmyn3*	0.5	1.0	0.956	(0.0)
olvi4*	1.0	0.5	0.544	(1.0)
cmyn4*	0.0	0.5	0.456	(0.0)

standard and adapted CIELAB

LAB*LAB	32.04	33.51	15.97
LAB*LABa	32.04	33.51	15.97
LAB*TCRa	25.01	37.12	25.49

relative CIELAB lab*

lab*lab	0.272	0.677	0.323
lab*tch	0.375	0.75	0.071
lab*nch	0.5	0.75	0.071

relative Natural Colour (NC)

lab*trj	0.272	0.75	0.0
lab*tce	0.375	0.75	0.0
lab*nce	0.5	0.75	0.00

$n^* = 0,25$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	46.06	67.02	31.94
LAB*LABa	46.06	67.02	31.94
LAB*TCRa	50.0	74.24	25.48

relative CIELAB lab*

lab*lab	0.362	0.903	0.43
lab*tch	0.5	1.0	0.071
lab*nch	0.0	1.0	0.071

relative Natural Colour (NC)

lab*trj	0.362	1.0	0.0
lab*tce	0.5	1.0	0.0
lab*nce	0.0	1.0	0.00

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

lab^*tch and lab^*nch

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

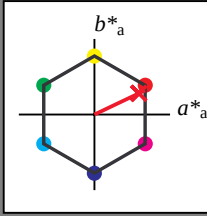
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	43.81	67.03	38.7	77.4	30
YMa	69.61	0.0	77.4	77.4	90
LMa	43.81	-67.02	38.7	77.4	150
CMa	69.61	-67.02	-38.69	77.4	210
VMa	43.81	0.0	-77.39	77.4	270
MMa	69.61	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.544 (1.0)
cmyn3* 0.0 0.5 0.456 (0.0)
olvi4* 1.0 0.5 0.456 (0.0)
cmyn4* 0.0 0.5 0.456 (0.0)
standard and adapted CIELAB
LAB*LAB 70.73 33.51 15.97
LAB*LABa 70.73 33.51 15.97
LAB*TCRa 37.12 25.48

relative CIELAB lab*
lab*lab 0.841 0.226 0.107
lab*tch 0.875 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.841 0.25 0.0
lab*tce 0.875 0.25 0.0
lab*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.522 (1.0)
cmyn3* 0.25 0.5 0.478 (0.0)
olvi4* 1.0 0.5 0.522 (1.0)
cmyn4* 0.0 0.5 0.478 (0.0)
standard and adapted CIELAB
LAB*LAB 63.72 16.76 7.99
LAB*LABa 63.72 16.76 7.99
LAB*TCRa 37.12 25.48

relative CIELAB lab*
lab*lab 0.591 0.226 0.108
lab*tch 0.625 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.591 0.25 0.0
lab*tce 0.625 0.25 0.0
lab*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.272 (1.0)
cmyn3* 0.5 0.25 0.728 (0.0)
olvi4* 1.0 0.25 0.272 (1.0)
cmyn4* 0.0 0.25 0.728 (0.0)
standard and adapted CIELAB
LAB*LAB 44.37 16.76 7.99
LAB*LABa 44.37 16.76 7.99
LAB*TCRa 37.12 25.48

relative CIELAB lab*
lab*lab 0.341 0.226 0.108
lab*tch 0.375 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.341 0.25 0.0
lab*tce 0.375 0.25 0.0
lab*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.044 (1.0)
cmyn3* 0.75 1.0 0.956 (0.0)
olvi4* 1.0 0.5 0.544 (1.0)
cmyn4* 0.0 0.5 0.456 (0.0)
standard and adapted CIELAB
LAB*LAB 32.04 33.51 15.97
LAB*LABa 32.04 33.51 15.97
LAB*TCRa 25.01 25.48

relative CIELAB lab*
lab*lab 0.181 0.451 0.215
lab*tch 0.181 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.181 0.5 0.0
lab*tce 0.181 0.5 0.0
lab*nce 0.0 0.5 0.071

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 23/360 = 0.065$

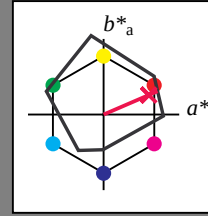
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.11 2.58
LAB*LABa 96.31 0.11 2.58
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 0.44 2.45
LAB*LABa 76.38 0.44 2.45
LAB*TCRa 75.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 0.76 2.32
LAB*LABa 56.44 0.76 2.32
LAB*TCRa 50.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 1.09 2.19
LAB*LABa 36.5 1.09 2.19
LAB*TCRa 25.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	42.21	66.82	50.6	83.82	37
YMa	90.32	-16.51	104.33	105.63	99
LMa	48.21	-75.63	30.65	81.61	158
CMa	53.44	-33.33	-47.49	58.03	235
VMa	34.16	-0.92	-46.56	46.58	269
MMa	42.71	79.0	-1.95	79.03	359
NMa	16.56	0.0	0.0	0.0	0
WMa	96.31	0.0	0.0	0.0	0
RCIE	39.92	59.78	25.77	65.1	23
JCIE	81.26	-2.51	69.07	69.11	92
GCIE	52.23	-41.57	11.3	43.09	165
BCIE	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.689 (1.0)
cmyn3* 0.0 0.5 0.311 (0.0)
olvi4* 1.0 0.5 0.689 (1.0)
cmyn4* 0.0 0.5 0.311 (0.0)
standard and adapted CIELAB
LAB*LAB 69.35 35.14 17.8
LAB*LABa 69.35 35.14 17.8
LAB*TCRa 38.88 23.32

relative CIELAB lab*
lab*lab 0.662 0.459 0.198
lab*tch 0.75 0.5 0.065
lab*nch 0.0 0.5 0.065
relative Natural Colour (NC)
lab*trj 0.662 0.5 0.0
lab*tce 0.75 0.5 0.0
lab*nce 0.0 0.5 0.065

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.594 (1.0)
cmyn3* 0.25 0.5 0.406 (0.0)
olvi4* 1.0 0.5 0.594 (1.0)
cmyn4* 0.0 0.5 0.406 (0.0)
standard and adapted CIELAB
LAB*LAB 62.89 17.19 10.07
LAB*LABa 62.89 17.19 10.07
LAB*TCRa 32.5 19.43 23.32

relative CIELAB lab*
lab*lab 0.581 0.23 0.099
lab*tch 0.625 0.25 0.065
lab*nch 0.0 0.25 0.065
relative Natural Colour (NC)
lab*trj 0.581 0.25 0.0
lab*tce 0.625 0.25 0.0
lab*nce 0.0 0.25 0.065

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.344 (1.0)
cmyn3* 0.5 0.25 0.656 (0.0)
olvi4* 1.0 0.25 0.344 (1.0)
cmyn4* 0.0 0.25 0.656 (0.0)
standard and adapted CIELAB
LAB*LAB 49.42 34.82 17.68
LAB*LABa 49.42 34.82 17.68
LAB*TCRa 35.71 15.39

relative CIELAB lab*
lab*lab 0.412 0.459 0.198
lab*tch 0.5 0.5 0.065
lab*nch 0.0 0.5 0.065
relative Natural Colour (NC)
lab*trj 0.412 0.5 0.0
lab*tce 0.5 0.5 0.0
lab*nce 0.0 0.5 0.065

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.094 (1.0)
cmyn3* 0.75 1.0 0.906 (0.0)
olvi4* 1.0 0.75 0.844 (1.0)
cmyn4* 0.0 0.75 0.156 (0.0)
standard and adapted CIELAB
LAB*LAB 23.02 16.53 9.81
LAB*LABa 23.02 16.53 9.81
LAB*TCRa 12.5 19.43 23.32

relative CIELAB lab*
lab*lab 0.081 0.229 0.099
lab*tch 0.125 0.25 0.065
lab*nch 0.0 0.25 0.065
relative Natural Colour (NC)
lab*trj 0.081 0.25 0.0
lab*tce 0.125 0.25 0.0
lab*nce 0.0 0.25 0.065

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 23/360 = 0.065 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

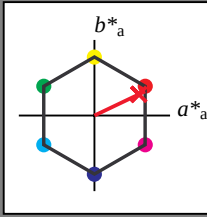
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.841 0.226 0.107
lab*tch 0.875 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.841 0.25 0.0
lab*tce 0.875 0.25 0.0
lab*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.591 0.226 0.108
lab*tch 0.625 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.591 0.25 0.0
lab*tce 0.625 0.25 0.0
lab*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.544 (1.0)
cmyn3* 0.0 0.5 0.456 (0.0)
olvi4* 1.0 0.5 0.456 (0.0)
cmyn4* 0.0 0.5 0.456 (0.0)
standard and adapted CIELAB
LAB*LAB 70.73 33.51 15.97
LAB*LABa 70.73 33.51 15.97
LAB*TCRa 75.0 37.12 25.48

relative CIELAB lab*
lab*lab 0.681 0.451 0.215
lab*tch 0.75 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.681 0.5 0.0
lab*tce 0.75 0.5 0.0
lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.294 (1.0)
cmyn3* 0.25 0.75 0.706 (0.0)
olvi4* 1.0 0.5 0.544 (1.0)
cmyn4* 0.0 0.5 0.456 (0.0)
standard and adapted CIELAB
LAB*LAB 51.39 33.52 15.97
LAB*LABa 51.39 33.52 15.97
LAB*TCRa 50.0 37.13 25.48

relative CIELAB lab*
lab*lab 0.431 0.451 0.215
lab*tch 0.5 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.431 0.5 0.0
lab*tce 0.5 0.5 0.0
lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.044 (1.0)
cmyn3* 0.5 1.0 0.956 (0.0)
olvi4* 1.0 0.5 0.544 (1.0)
cmyn4* 0.0 0.5 0.456 (0.0)
standard and adapted CIELAB
LAB*LAB 32.04 33.51 15.97
LAB*LABa 32.04 33.51 15.97
LAB*TCRa 25.01 37.12 25.48

relative CIELAB lab*
lab*lab 0.181 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.181 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.022 (1.0)
cmyn3* 0.75 1.0 0.978 (0.0)
olvi4* 1.0 0.75 0.772 (0.0)
cmyn4* 0.0 0.25 0.228 (0.0)
standard and adapted CIELAB
LAB*LAB 25.03 16.75 7.99
LAB*LABa 25.03 16.75 7.99
LAB*TCRa 12.5 18.56 25.48

relative CIELAB lab*
lab*lab 0.091 0.226 0.108
lab*tch 0.125 0.25 0.071
lab*nch 0.75 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.091 0.25 0.0
lab*tce 0.125 0.25 0.0
lab*nce 0.75 0.25 0.071

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

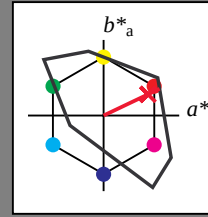
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness t^*



TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.865 0.226 0.107
lab*tch 0.875 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.865 0.25 0.0
lab*tce 0.875 0.25 0.0
lab*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.615 0.226 0.108
lab*tch 0.625 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.615 0.25 0.0
lab*tce 0.625 0.25 0.0
lab*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

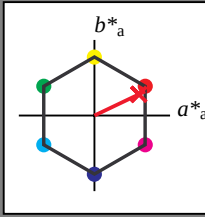
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*TCh 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*TCh 75.01 -

relative CIELAB lab*
 lab^*lab 0.841 0.226 0.107
 lab^*tch 0.875 0.25 0.071
 lab^*nch 0.0 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.841 0.25 0.0
 lab^*tce 0.875 0.25 0.0
 lab^*nce 0.0 0.25 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*TCh 50.01 -

relative CIELAB lab*
 lab^*lab 0.591 0.226 0.108
 lab^*tch 0.625 0.25 0.071
 lab^*nch 0.25 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.591 0.25 0.0
 lab^*tce 0.625 0.25 0.0
 lab^*nce 0.25 0.25 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*TCh 25.01 -

relative CIELAB lab*
 lab^*lab 0.341 0.226 0.108
 lab^*tch 0.375 0.25 0.071
 lab^*nch 0.25 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.341 0.25 0.0
 lab^*tce 0.375 0.25 0.0
 lab^*nce 0.25 0.25 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*TCh 0.01 -

relative CIELAB lab*
 lab^*lab 0.091 0.226 0.108
 lab^*tch 0.125 0.25 0.071
 lab^*nch 0.75 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.091 0.25 0.0
 lab^*tce 0.125 0.25 0.0
 lab^*nce 0.75 0.25 0.099

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.5 0.544 (1.0)
 $cmyn3^*$ 0.0 0.5 0.456 (0.0)
 $olvi4^*$ 1.0 0.5 0.456 (1.0)
 $cmyn4^*$ 0.0 0.5 0.456 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 70.73 33.51 15.97
 LAB^*TCh 75.01 37.12 25.48

relative CIELAB lab*
 lab^*lab 0.681 0.451 0.215
 lab^*tch 0.75 0.5 0.071
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.681 0.451 0.0
 lab^*tce 0.75 0.5 0.0
 lab^*nce 0.0 0.5 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.25 0.294 (1.0)
 $cmyn3^*$ 0.25 0.75 0.706 (0.0)
 $olvi4^*$ 1.0 0.5 0.544 (1.0)
 $cmyn4^*$ 0.0 0.5 0.456 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 51.39 33.52 15.97
 LAB^*TCh 50.01 37.13 25.48

relative CIELAB lab*
 lab^*lab 0.431 0.451 0.215
 lab^*tch 0.5 0.5 0.071
 lab^*nch 0.25 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.431 0.5 0.0
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.25 0.5 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.0 0.044 (1.0)
 $cmyn3^*$ 0.5 1.0 0.956 (0.0)
 $olvi4^*$ 1.0 0.5 0.544 (1.0)
 $cmyn4^*$ 0.0 0.5 0.456 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 32.04 33.51 15.97
 LAB^*TCh 25.01 37.12 25.48

relative CIELAB lab*
 lab^*lab 0.181 0.451 0.215
 lab^*tch 0.25 0.5 0.071
 lab^*nch 0.5 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.181 0.5 0.0
 lab^*tce 0.25 0.5 0.0
 lab^*nce 0.5 0.5 0.099

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

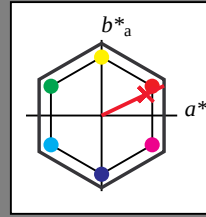
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*TCh 99.99 0.02 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 71.57 0.0 0.0
 LAB^*TCh 75.01 0.02 -

relative CIELAB lab*
 lab^*lab 0.75 0.5 0.0
 lab^*tch 0.75 0.5 0.0
 lab^*nch 0.0 0.5 0.0
 relative Natural Colour (NC)
 lab^*trj 0.75 0.5 0.0
 lab^*tce 0.75 0.5 0.0
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 47.72 0.0 0.0
 LAB^*TCh 50.01 0.02 -

relative CIELAB lab*
 lab^*lab 0.591 0.226 0.108
 lab^*tch 0.625 0.25 0.071
 lab^*nch 0.25 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.591 0.25 0.0
 lab^*tce 0.625 0.25 0.0
 lab^*nce 0.25 0.25 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 32.04 33.51 15.97
 LAB^*TCh 25.01 37.12 25.48

relative CIELAB lab*
 lab^*lab 0.341 0.226 0.108
 lab^*tch 0.375 0.25 0.071
 lab^*nch 0.25 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.341 0.25 0.0
 lab^*tce 0.375 0.25 0.0
 lab^*nce 0.25 0.25 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*TCh 0.01 0.02 -

relative CIELAB lab*
 lab^*lab 0.091 0.226 0.108
 lab^*tch 0.125 0.25 0.071
 lab^*nch 0.75 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.091 0.25 0.0
 lab^*tce 0.125 0.25 0.0
 lab^*nce 0.75 0.25 0.099

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.5 0.544 (1.0)
 $cmyn3^*$ 0.0 0.5 0.456 (0.0)
 $olvi4^*$ 1.0 0.5 0.456 (1.0)
 $cmyn4^*$ 0.0 0.5 0.456 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 65.01 41.3 19.68
 LAB^*TCh 75.01 45.75 25.48

relative CIELAB lab*
 lab^*lab 0.681 0.451 0.215
 lab^*tch 0.75 0.5 0.071
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.681 0.451 0.0
 lab^*tce 0.75 0.5 0.0
 lab^*nce 0.0 0.5 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.25 0.294 (1.0)
 $cmyn3^*$ 0.25 0.75 0.706 (0.0)
 $olvi4^*$ 1.0 0.5 0.544 (1.0)
 $cmyn4^*$ 0.0 0.5 0.456 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 41.31 33.52 15.97
 LAB^*TCh 50.01 37.13 25.48

relative CIELAB lab*
 lab^*lab 0.431 0.451 0.215
 lab^*tch 0.5 0.5 0.071
 lab^*nch 0.25 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.431 0.5 0.0
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.25 0.5 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.0 0.044 (1.0)
 $cmyn3^*$ 0.5 1.0 0.956 (0.0)
 $olvi4^*$ 1.0 0.5 0.544 (1.0)
 $cmyn4^*$ 0.0 0.5 0.456 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 17.3 33.51 15.97
 LAB^*TCh 25.01 37.12 25.48

relative CIELAB lab*
 lab^*lab 0.181 0.451 0.215
 lab^*tch 0.25 0.5 0.071
 lab^*nch 0.5 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.181 0.5 0.0
 lab^*tce 0.25 0.5 0.0
 lab^*nce 0.5 0.5 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*TCh 0.01 0.02 -

relative CIELAB lab*
 lab^*lab 0.091 0.226 0.108
 lab^*tch 0.125 0.25 0.071
 lab^*nch 0.75 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.091 0.25 0.0
 lab^*tce 0.125 0.25 0.0
 lab^*nce 0.75 0.25 0.099

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

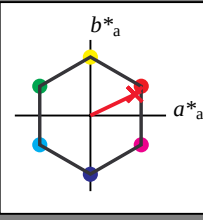
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*TCh 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*TCh 75.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.25 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*TCh 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.5 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*TCh 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.75 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.75 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*TCh 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*nce 1.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

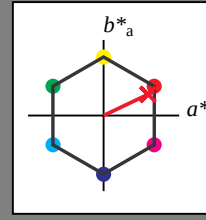
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*TCh 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*TCh 75.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.25 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*TCh 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.5 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*TCh 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.75 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.75 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*TCh 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*nce 1.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

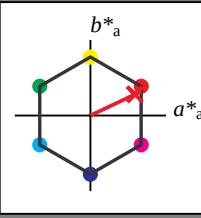
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.72	(1.0)
cmyn3*	0.0	0.25	0.228	(0.0)
olvi4*	1.0	0.75	0.72	(1.0)
cmyn4*	0.0	0.25	0.228	(0.0)

standard and adapted CIELAB

LAB*LAB	83.07	16.75	7.98
LAB*LABa	83.07	16.75	7.98
LAB*TCRa	87.5	18.56	25.48

relative CIELAB lab*

lab*lab	0.841	0.226	0.107
lab*tch	0.875	0.25	0.071
lab*nch	0.0	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.841	0.25	0.0
lab*tce	0.875	0.25	0.0
lab*nce	0.0	0.25	0.099

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.522	(1.0)
cmyn3*	0.25	0.5	0.478	(0.0)
olvi4*	1.0	0.5	0.544	(1.0)
cmyn4*	0.0	0.25	0.228	(0.0)

standard and adapted CIELAB

LAB*LAB	63.72	16.76	7.99
LAB*LABa	63.72	16.76	7.99
LAB*TCRa	62.5	18.56	25.48

relative CIELAB lab*

lab*lab	0.591	0.226	0.108
lab*tch	0.625	0.25	0.071
lab*nch	0.25	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.591	0.25	0.0
lab*tce	0.625	0.25	0.0
lab*nce	0.25	0.25	0.099

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.272	(1.0)
cmyn3*	0.5	0.75	0.728	(0.0)
olvi4*	1.0	0.75	0.722	(1.0)
cmyn4*	0.0	0.25	0.228	(0.0)

standard and adapted CIELAB

LAB*LAB	44.37	16.76	7.99
LAB*LABa	44.37	16.76	7.99
LAB*TCRa	37.5	18.56	25.48

relative CIELAB lab*

lab*lab	0.341	0.226	0.108
lab*tch	0.375	0.25	0.071
lab*nch	0.25	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.341	0.25	0.0
lab*tce	0.375	0.25	0.0
lab*nce	0.25	0.25	0.099

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.022	(1.0)
cmyn3*	0.75	1.0	0.978	(0.0)
olvi4*	1.0	0.75	0.722	(1.0)
cmyn4*	0.0	0.25	0.228	(0.0)

standard and adapted CIELAB

LAB*LAB	25.03	16.75	7.99
LAB*LABa	25.03	16.75	7.99
LAB*TCRa	12.5	18.56	25.48

relative CIELAB lab*

lab*lab	0.091	0.226	0.108
lab*tch	0.125	0.25	0.071
lab*nch	0.25	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.091	0.25	0.0
lab*tce	0.125	0.25	0.0
lab*nce	0.25	0.25	0.099

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,25$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.544	(1.0)
cmyn3*	0.0	0.5	0.456	(0.0)
olvi4*	1.0	0.5	0.544	(1.0)
cmyn4*	0.0	0.5	0.456	(0.0)

standard and adapted CIELAB

LAB*LAB	70.73	33.51	15.97
LAB*LABa	70.73	33.51	15.97
LAB*TCRa	75.0	37.12	25.48

relative CIELAB lab*

lab*lab	0.681	0.451	0.215
lab*tch	0.875	0.5	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.681	0.5	0.0
lab*tce	0.875	0.5	0.0
lab*nce	0.0	0.5	0.099

relative Inform. Technology (IT)

olvi3*	1.0	0.25	0.316	(1.0)
cmyn3*	0.0	0.75	0.684	(0.0)
olvi4*	1.0	0.25	0.316	(1.0)
cmyn4*	0.0	0.75	0.684	(0.0)

standard and adapted CIELAB

LAB*LAB	58.4	50.27	23.95
LAB*LABa	58.4	50.27	23.95
LAB*TCRa	62.5	55.68	25.48

relative CIELAB lab*

lab*lab	0.522	0.677	0.323
lab*tch	0.625	0.75	0.071
lab*nch	0.0	0.75	0.071

relative Natural Colour (NC)

lab*trj	0.522	0.75	0.0
lab*tce	0.625	0.75	0.0
lab*nce	0.0	0.75	0.099

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.294	(1.0)
cmyn3*	0.25	0.75	0.706	(0.0)
olvi4*	1.0	0.5	0.544	(1.0)
cmyn4*	0.0	0.5	0.456	(0.0)

standard and adapted CIELAB

LAB*LAB	51.39	33.52	15.97
LAB*LABa	51.39	33.52	15.97
LAB*TCRa	50.0	37.12	25.48

relative CIELAB lab*

lab*lab	0.431	0.451	0.215
lab*tch	0.625	0.5	0.071
lab*nch	0.25	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.431	0.5	0.0
lab*tce	0.625	0.5	0.0
lab*nce	0.25	0.5	0.099

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.044	(1.0)
cmyn3*	0.5	1.0	0.956	(0.0)
olvi4*	1.0	0.5	0.544	(1.0)
cmyn4*	0.0	0.5	0.456	(0.0)

standard and adapted CIELAB

LAB*LAB	32.04	33.51	15.97
LAB*LABa	32.04	33.51	15.97
LAB*TCRa	25.01	37.12	25.48

relative CIELAB lab*

lab*lab	0.181	0.451	0.215
lab*tch	0.25	0.5	0.071
lab*nch	0.5	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.181	0.5	0.0
lab*tce	0.25	0.5	0.0
lab*nce	0.5	0.5	0.099

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.004	(1.0)
cmyn3*	0.75	1.0	0.956	(0.0)
olvi4*	1.0	0.25	0.316	(1.0)
cmyn4*	0.0	0.25	0.228	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

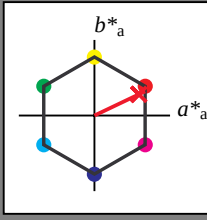
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.28	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.28	(0.0)

standard and adapted CIELAB

LAB*LAB	83.07	16.75	7.98
LAB*LABa	83.07	16.75	7.98
LAB*LABb	87.5	18.56	25.48

relative CIELAB lab*

lab*lab	0.841	0.226	0.107
lab*tch	0.875	0.25	0.071
lab*nch	0.0	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.841	0.25	0.0
lab*tce	0.0	0.25	0.099
lab*nce	0.0	0.25	0.099

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.52	(1.0)
cmyn3*	0.25	0.5	0.478	(0.0)
olvi4*	1.0	0.5	0.544	(1.0)
cmyn4*	0.0	0.25	0.228	(0.0)

standard and adapted CIELAB

LAB*LAB	63.72	16.76	7.99
LAB*LABa	63.72	16.76	7.99
LAB*LABb	67.5	18.56	25.48

relative CIELAB lab*

lab*lab	0.591	0.226	0.108
lab*tch	0.625	0.25	0.071
lab*nch	0.0	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.591	0.25	0.0
lab*tce	0.0	0.25	0.099
lab*nce	0.0	0.25	0.099

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.272	(1.0)
cmyn3*	0.5	0.75	0.728	(0.0)
olvi4*	1.0	0.25	0.272	(1.0)
cmyn4*	0.0	0.25	0.228	(0.0)

standard and adapted CIELAB

LAB*LAB	44.37	16.76	7.99
LAB*LABa	44.37	16.76	7.99
LAB*LABb	37.5	18.56	25.48

relative CIELAB lab*

lab*lab	0.341	0.226	0.108
lab*tch	0.375	0.25	0.071
lab*nch	0.0	0.25	0.071

relative Natural Colour (NC)

lab*trj	0.341	0.25	0.0
lab*tce	0.0	0.25	0.099
lab*nce	0.0	0.25	0.099

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.044	(1.0)
cmyn3*	0.75	0.0	0.956	(0.0)
olvi4*	1.0	0.0	0.044	(1.0)
cmyn4*	0.0	0.0	0.044	(0.0)

standard and adapted CIELAB

LAB*LAB	32.04	33.51	15.97
LAB*LABa	32.04	33.51	15.97
LAB*LABb	25.01	37.12	25.49

relative CIELAB lab*

lab*lab	0.181	0.451	0.215
lab*tch	0.25	0.5	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.181	0.5	0.0
lab*tce	0.0	0.5	0.099
lab*nce	0.0	0.5	0.099

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.544	(1.0)
cmyn3*	0.0	0.5	0.456	(0.0)
olvi4*	1.0	0.5	0.544	(1.0)
cmyn4*	0.0	0.5	0.456	(0.0)

standard and adapted CIELAB

LAB*LAB	70.73	33.51	15.97
LAB*LABa	70.73	33.51	15.97
LAB*LABb	75.0	37.12	25.48

relative CIELAB lab*

lab*lab	0.681	0.451	0.215
lab*tch	0.75	0.5	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.681	0.5	0.0
lab*tce	0.0	0.5	0.099
lab*nce	0.0	0.5	0.099

relative Inform. Technology (IT)

olvi3*	1.0	0.25	0.316	(1.0)
cmyn3*	0.0	0.75	0.684	(0.0)
olvi4*	1.0	0.25	0.316	(1.0)
cmyn4*	0.0	0.75	0.684	(0.0)

standard and adapted CIELAB

LAB*LAB	58.4	50.27	23.95
LAB*LABa	58.4	50.27	23.95
LAB*LABb	62.5	55.68	25.48

relative CIELAB lab*

lab*lab	0.522	0.677	0.323
lab*tch	0.625	0.75	0.071
lab*nch	0.0	0.75	0.071

relative Natural Colour (NC)

lab*trj	0.522	0.75	0.0
lab*tce	0.0	0.75	0.099
lab*nce	0.0	0.75	0.099

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.294	(1.0)
cmyn3*	0.25	0.75	0.706	(0.0)
olvi4*	1.0	0.25	0.294	(1.0)
cmyn4*	0.0	0.25	0.294	(0.0)

standard and adapted CIELAB

LAB*LAB	51.39	33.52	15.97
LAB*LABa	51.39	33.52	15.97
LAB*LABb	50.0	37.12	25.48

relative CIELAB lab*

lab*lab	0.431	0.451	0.215
lab*tch	0.5	0.5	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.431	0.5	0.0
lab*tce	0.0	0.5	0.099
lab*nce	0.0	0.5	0.099

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.066	(1.0)
cmyn3*	0.5	0.0	0.934	(0.0)
olvi4*	1.0	0.0	0.066	(1.0)
cmyn4*	0.0	0.0	0.066	(0.0)

standard and adapted CIELAB

LAB*LAB	39.05	50.27	23.96
LAB*LABa	39.05	50.27	23.96
LAB*LABb	37.51	55.68	25.48

relative CIELAB lab*

lab*lab	0.272	0.677	0.323
lab*tch	0.375	0.75	0.071
lab*nch	0.0	0.75	0.071

relative Natural Colour (NC)

lab*trj	0.272	0.75	0.0
lab*tce	0.0	0.75	0.099
lab*nce	0.0	0.75	0.099

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.044	(1.0)
cmyn3*	0.75	0.0	0.956	(0.0)
olvi4*	1.0	0.0	0.044	(1.0)
cmyn4*	0.0	0.0	0.044	(0.0)

standard and adapted CIELAB

LAB*LAB	32.04	33.51	15.97
LAB*LABa	32.04	33.51	15.97
LAB*LABb	25.01	37.12	25.49

relative CIELAB lab*

lab*lab	0.181	0.451	0.215
lab*tch	0.25	0.5	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.181	0.5	0.0
lab*tce	0.0	0.5	0.099
lab*nce	0.0	0.5	0.099

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.544	(1.0)
cmyn3*	0.25	0.5	0.456	(0.0)
olvi4*	1.0	0.5	0.544	(1.0)
cmyn4*	0.0	0.5	0.456	(0.0)

standard and adapted CIELAB

LAB*LAB	70.73	33.51	15.97
LAB*LABa	70.73	33.51	15.97
LAB*LABb	75.0	37.12	25.48

relative CIELAB lab*

lab*lab	0.681	0.451	0.215
lab*tch	0.75	0.5	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.681	0.5	0.0
lab*tce	0.0	0.5	0.099
lab*nce	0.0	0.5	0.099

relative Inform. Technology (IT)

olvi3*	0.5	0.25	0.294	(1.0)
cmyn3*	0.25	0.75	0.706	(0.0)
olvi4*	1.0	0.25	0.294	(1.0)
cmyn4*	0.0	0.25	0.294	(0.0)

standard and adapted CIELAB

LAB*LAB	51.39	33.52	15.97
LAB*LABa	51.39	33.52	15.97
LAB*LABb	50.0	37.12	25.48

relative CIELAB lab*

lab*lab	0.431	0.451	0.215
lab*tch	0.5	0.5	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.431	0.5	0.0
lab*tce	0.0	0.5	0.099
lab*nce	0.0	0.5	0.099

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.044	(1.0)
cmyn3*	0.75	0.0	0.956	(0.0)
olvi4*	1.0	0.0	0.044	(1.0)
cmyn4*	0.0	0.0	0.044	(0.0)

standard and adapted CIELAB

LAB*LAB	32.04	33.51	15.97
LAB*LABa	32.04	33.51	15.97
LAB*LABb	25.01	37.12	25.49

relative CIELAB lab*

lab*lab	0.181	0.451	0.215
lab*tch	0.25	0.5	0.071
lab*nch	0.0	0.5	0.071

relative Natural Colour (NC)

lab*trj	0.181	0.5	0.0
lab*tce	0.0	0.5	0.099
lab*nce	0.0	0.5	0.099

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
olvi2	0.0	0.0	0.0	(1.0)
olvi1	0.0	0.0	0.0	(1.0)
olvi0	0.0	0.0	0.0	(1.0)
olvi-1	0.0	0.0	0.0	(1.0)
olvi-2	0.0	0.0	0.0	(1.0)
olvi-3	0.0	0.0	0.0	(1.0)
olvi-4	0.0	0.0	0.0	(1.0)
olvi-5	0.0	0.0	0.0	(1.0)
olvi-6	0.0	0.0	0.0	(1.0)
olvi-7	0.0	0.0	0.0	(1.0)
olvi-8	0.0	0.0	0.0	(1.0)
olvi-9	0.0	0.0	0.0	(1.0)
olvi-10	0.0	0.0	0.0	(1.0)
olvi-11	0.0	0.0	0.0	(1.0)
olvi-12	0.0	0.0	0.0	(1.0)
olvi-13	0.0	0.0	0.0	(1.0)
olvi-14	0.0	0.0	0.0	(1.0)
olvi-15	0.0	0.0	0.0	(1.0)
olvi-16	0.0	0.0	0.0	(1.0)
olvi-17	0.0	0.0	0.0	(1.0)
olvi-18	0.0	0.0	0.0	(1.0)
olvi-19	0.0	0.0	0.0	(1.0)
olvi-20	0.0	0.0	0.0	(1.0)
olvi-21	0.0	0.0	0.0	(1.0)
olvi-22	0.0	0.0	0.0	(1.0)
olvi-23	0.0	0.0	0.0	(1.0)
olvi-24	0.0	0.0	0.0	(1.0)
olvi-25	0.0	0.0	0.0	(1.0)
olvi-26	0.0	0.0	0.0	(1.0)
olvi-27	0.0	0.0	0.0	(1.0)
olvi-28	0.0	0.0	0.0	(1.0)
olvi-29	0.0	0.0	0.0	(1.0)
olvi-30	0.0	0.0	0.0	(1.0)
olvi-31	0.0	0.0	0.0	(1.0)
olvi-32	0.0	0.0	0.0	(1.0)
olvi-33	0.0	0.0	0.0	(1.0)
olvi-34	0.0	0.0	0.0	(1.0)
olvi-35	0.0	0.0	0.0	(1.0)
olvi-36	0.0	0.0	0.0	(1.0)
olvi-37	0.0	0.0	0.0	(1.0)
olvi-38	0.0	0.0	0.0	(1.0)
olvi-39	0.0	0.0	0.0	(1.0)
olvi-40	0.0	0.0	0.0	(1.0)
olvi-41	0.0	0.0	0.0	(1.0)
olvi-42	0.0	0.0	0.0	(1.0)
olvi-43	0.0	0.0	0.0	(1.0)
olvi-44	0.0	0.0	0.0	(1.0)
olvi-45	0.0	0.0	0.0	(1.0)
olvi-46	0.0	0.0	0.0	(1.0)
olvi-47	0.0	0.0	0.0	(1.0)
olvi-48	0.0	0.0	0.0	(1.0)
olvi-49	0.0	0.0	0.0	(1.0)
olvi-50	0.0	0.0	0.0	(1.0)
olvi-51	0.0	0.0	0.0	(1.0)
olvi-52	0.0	0.0	0.0	(1.0)
olvi-53	0.0	0.0	0.0	(1.0)
olvi-54	0.0	0.0	0.0	(1.0)
olvi-55	0.0	0.0	0.0	(1.0)
olvi-56	0.0	0.0	0.0	(1.0)
olvi-57	0.0	0.0	0.0	(1.0)
olvi-58	0.0	0.0	0.0	(1.0)
olvi-59	0.0	0.0	0.0	(1.0)
olvi-60	0.0	0.0	0.0	(1.0)
olvi-61	0.0	0.0	0.0	(1.0)
olvi-62	0.0	0.0	0.0	(1.0)
olvi-63	0.0	0.0	0.0	(1.0)
olvi-64	0.0	0.0	0.0	(1.0)
olvi-65	0.0	0.0	0.0	(1.0)
olvi-66	0.0	0.0	0.0	(1.0)
olvi-67	0.0	0.0	0.0	(1.0)
olvi-68	0.0	0.0	0.0	(1.0)
olvi-69	0.0	0.0	0.0	(1.0)
olvi-70	0.0	0.0	0.0	(1.0)
olvi-71	0.0	0.0	0.0	(1.0)
olvi-72	0.0	0.0	0.0	(1.0)
olvi-73	0.0	0.0	0.0	(1.0)
olvi-74	0.0	0.0	0.0	(1.0)
olvi-75	0.0	0.0	0.0	(1.0)
olvi-76	0.0	0.0	0.0	(1.0)
olvi-77	0.0	0.0	0.0	(1.0)
olvi-78	0.0	0.0	0.0	(1.0)
olvi-79	0.0	0.0	0.0	(1.0)
olvi-80	0.0	0.0	0.0	(1.0)
olvi-81	0.0	0.0	0.0	(1.0)
olvi-82	0.0	0.0	0.0	(1.0)
olvi-83	0.0	0.0	0.0	(1.0)
olvi-84	0.0	0.0	0.0	(1.0)
olvi-85	0.0	0.0	0.0	(1.0)
olvi-86	0.0	0.0	0.0	(1.0)
olvi-87	0.0	0.0	0.0	(1.0)
olvi-88	0.0	0.0	0.0	(1.0)
olvi-89	0.0	0.0	0.0	(1.0)
olvi-90	0.0	0.0	0.0	(1.0)
olvi-91	0.0	0.0	0.0	(1.0)
olvi-92	0.0	0.0	0.0	(1.0)
olvi-93	0.0	0.0	0.0	(1.0)
olvi-94	0.0	0.0	0.0	(1.0)
olvi-95	0.0	0.0	0.0	(1.0)
olvi-96	0.0	0.0	0.0	(1.0)
olvi-97	0.0	0.0	0.0	(1.0)
olvi-98	0.0	0.0	0.0	(1.0)
olvi-99	0.0	0.0	0.0	(1.0)

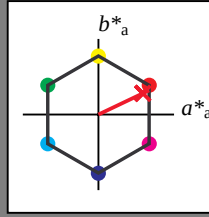
Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$ lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*  $u^*_{rel} = 100$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

 $n^* = 1,0$ $\% \text{Regularity}$ $g^*_{H,rel} = 100$ $g^*_{C,rel} = 100$

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.522	(1.0)
cmyn3*	0.25	0.5	0.478	(0.0)
olvi4*	1.0	0.75	0.772	(1.0)
cmyn4*	0.0	0.25	0.228	(0.0)
standard and adapted CIELAB				
LAB*LAB	66.38	16.76	7.98	0.0
LAB*LABa	66.38	16.76	7.98	0.0
LAB*TCRa	62.5	18.86	24.7	0.0
relative CIELAB lab*				
lab*lab	0.625	0.226	0.108	0.0
lab*tch	0.625	0.226	0.108	0.0
lab*nch	0.25	0.226	0.108	0.0
relative Natural Colour (NC)				
lab*trj	0.625	0.226	0.108	0.0
lab*tce	0.25	0.226	0.108	0.0
lab*nce	0.25	0.226	0.108	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.272	(1.0)
cmyn3*	0.5	0.25	0.228	(0.0)
olvi4*	1.0	0.75	0.772	(1.0)
cmyn4*	0.0	0.25	0.228	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.04	16.76	7.98	0.0
LAB*LABa	47.04	16.76	7.98	0.0
LAB*TCRa	47.04	16.76	7.98	0.0
relative CIELAB lab*				
lab*lab	0.375	0.226	0.108	0.0
lab*tch	0.375	0.226	0.108	0.0
lab*nch	0.5	0.226	0.108	0.0
relative Natural Colour (NC)				
lab*trj	0.375	0.226	0.108	0.0
lab*tce	0.5	0.226	0.108	0.0
lab*nce	0.5	0.226	0.108	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.022	(1.0)
cmyn3*	0.75	1.0	0.978	(0.0)
olvi4*	1.0	0.75	0.772	(1.0)
cmyn4*	0.0	0.25	0.228	(0.0)
standard and adapted CIELAB				
LAB*LAB	27.69	16.76	7.98	0.0
LAB*LABa	27.69	16.76	7.98	0.0
LAB*TCRa	27.69	16.76	7.98	0.0
relative CIELAB lab*				
lab*lab	0.125	0.226	0.108	0.0
lab*tch	0.125	0.226	0.108	0.0
lab*nch	0.75	0.226	0.108	0.0
relative Natural Colour (NC)				
lab*trj	0.125	0.226	0.108	0.0
lab*tce	0.75	0.226	0.108	0.0
lab*nce	0.75	0.226	0.108	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

 $n^* = 1,0$ $\% \text{Regularity}$ $g^*_{H,rel} = 100$ $g^*_{C,rel} = 100$ $\% \text{Regularity}$ $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$ $\% \text{Regularity}$ $g^*_{H,rel} = 57$

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

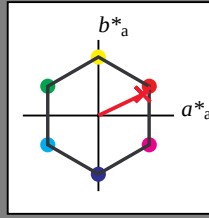
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.07 0.0 0.0
 LAB^*TCha 75.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.25 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*LABa 56.72 0.0 0.0
 LAB^*TCha 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.5 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TCha 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.75 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.75 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 1.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.5 0.544 (1.0)
 $cmyn3^*$ 0.0 0.5 0.456 (0.0)
 $olvi4^*$ 1.0 0.5 0.456 (1.0)
 $cmyn4^*$ 0.0 0.5 0.456 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.06 33.51 15.97
 LAB^*LABa 76.06 33.51 15.97
 LAB^*TCha 75.0 37.12 25.48

relative CIELAB lab*
 lab^*lab 0.75 0.451 0.215
 lab^*tch 0.75 0.451 0.215
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.75 0.451 0.215
 lab^*tce 0.25 0.2 0.0
 lab^*nce 0.0 0.5 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.25 0.294 (1.0)
 $cmyn3^*$ 0.25 0.75 0.706 (0.0)
 $olvi4^*$ 1.0 0.5 0.544 0.75
 $cmyn4^*$ 0.0 0.5 0.456 0.25
 standard and adapted CIELAB
 LAB^*LAB 56.71 33.52 15.97
 LAB^*LABa 56.71 33.52 15.97
 LAB^*TCha 50.0 37.13 25.48

relative CIELAB lab*
 lab^*lab 0.5 0.451 0.215
 lab^*tch 0.5 0.451 0.215
 lab^*nch 0.25 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.5 0.5 0.0
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.25 0.5 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.0 0.044 (1.0)
 $cmyn3^*$ 0.5 1.0 0.956 (0.0)
 $olvi4^*$ 1.0 0.5 0.544 0.5
 $cmyn4^*$ 0.0 0.5 0.456 0.5
 standard and adapted CIELAB
 LAB^*LAB 37.36 33.51 15.97
 LAB^*LABa 37.36 33.51 15.97
 LAB^*TCha 25.01 37.12 25.49

relative CIELAB lab*
 lab^*lab 0.25 0.451 0.215
 lab^*tch 0.25 0.5 0.071
 lab^*nch 0.5 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.25 0.5 0.0
 lab^*tce 0.25 0.5 0.0
 lab^*nce 0.5 0.5 0.099

$n^* = 0,50$

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.0 0.022 (1.0)
 $cmyn3^*$ 0.75 1.0 0.978 (0.0)
 $olvi4^*$ 1.0 0.75 0.772 0.25
 $cmyn4^*$ 0.0 0.25 0.228 0.75
 standard and adapted CIELAB
 LAB^*LAB 27.69 16.75 7.99
 LAB^*LABa 27.69 16.75 7.99
 LAB^*TCha 12.5 18.56 25.48

relative CIELAB lab*
 lab^*lab 0.125 0.226 0.108
 lab^*tch 0.125 0.226 0.108
 lab^*nch 0.75 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.125 0.226 0.108
 lab^*tce 0.125 0.25 0.0
 lab^*nce 0.75 0.25 0.099

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

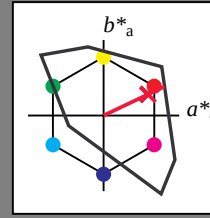
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 71.52 0.0 0.0
 LAB^*LABa 71.52 0.0 0.0
 LAB^*TCha 75.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.25 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 47.72 0.0 0.0
 LAB^*LABa 47.72 0.0 0.0
 LAB^*TCha 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.5 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 23.87 0.0 0.0
 LAB^*LABa 23.87 0.0 0.0
 LAB^*TCha 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.75 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.75 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.03 0.0 0.0
 LAB^*LABa 0.03 0.0 0.0
 LAB^*TCha 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 1.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.5 0.606 (1.0)
 $cmyn3^*$ 0.0 0.5 0.394 (0.0)
 $olvi4^*$ 1.0 0.5 0.394 (1.0)
 $cmyn4^*$ 0.0 0.5 0.394 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 73.67 40.3 19.2
 LAB^*LABa 73.67 40.3 19.2
 LAB^*TCha 75.0 44.64 25.47

relative CIELAB lab*
 lab^*lab 0.772 0.451 0.215
 lab^*tch 0.772 0.451 0.215
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.772 0.451 0.215
 lab^*tce 0.25 0.2 0.0
 lab^*nce 0.0 0.5 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.5 0.533 (1.0)
 $cmyn3^*$ 0.25 0.5 0.447 (0.0)
 $olvi4^*$ 1.0 0.5 0.803 0.25
 $cmyn4^*$ 0.0 0.25 0.197 0.25
 standard and adapted CIELAB
 LAB^*LAB 60.69 20.16 9.6
 LAB^*LABa 60.69 20.16 9.6
 LAB^*TCha 62.5 22.32 25.47

relative CIELAB lab*
 lab^*lab 0.636 0.226 0.108
 lab^*tch 0.636 0.226 0.108
 lab^*nch 0.25 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.636 0.226 0.108
 lab^*tce 0.636 0.226 0.108
 lab^*nce 0.25 0.5 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.25 0.303 (1.0)
 $cmyn3^*$ 0.5 0.25 0.697 (0.0)
 $olvi4^*$ 1.0 0.25 0.803 0.5
 $cmyn4^*$ 0.0 0.25 0.197 0.5
 standard and adapted CIELAB
 LAB^*LAB 49.83 40.31 19.21
 LAB^*LABa 49.83 40.31 19.21
 LAB^*TCha 50.0 44.65 25.48

relative CIELAB lab*
 lab^*lab 0.522 0.451 0.215
 lab^*tch 0.522 0.451 0.215
 lab^*nch 0.25 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.522 0.451 0.215
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.25 0.5 0.099

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.0 0.106 (1.0)
 $cmyn3^*$ 0.75 1.0 0.894 (0.0)
 $olvi4^*$ 1.0 0.25 0.803 0.25
 $cmyn4^*$ 0.0 0.25 0.197 0.25
 standard and adapted CIELAB
 LAB^*LAB 25.98 40.3 19.21
 LAB^*LABa 25.98 40.3 19.21
 LAB^*TCha 25.01 44.65 25.49

relative CIELAB lab*
 lab^*lab 0.272 0.451 0.215
 lab^*tch 0.272 0.451 0.215
 lab^*nch 0.5 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.272 0.451 0.215
 lab^*tce 0.25 0.5 0.0
 lab^*nce 0.5 0.5 0.099

$n^* = 0,50$

0,25

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

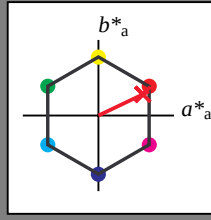
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ 1.0$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*LABa \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ 1.0$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*LABa \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ 1.0$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*LABa \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 23/360 = 0.065$

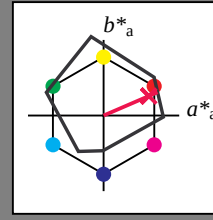
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 96.31 \ 0.11 \ 2.58$
 $LAB^*LABa \ 96.31 \ 0.11 \ 2.58$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ 1.0$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.38 \ 0.44 \ 2.45$
 $LAB^*LABa \ 76.38 \ 0.44 \ 2.45$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ 1.0$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.44 \ 0.76 \ 2.32$
 $LAB^*LABa \ 56.44 \ 0.76 \ 2.32$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ 1.0$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 36.5 \ 1.09 \ 2.19$
 $LAB^*LABa \ 36.5 \ 1.09 \ 2.19$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.57 \ 1.41 \ 2.06$
 $LAB^*LABa \ 16.57 \ 1.41 \ 2.06$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

$n^* = 1,0$

0,25

chromaticness c^*

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	42.21	66.82	50.6	83.82	37
YMa	90.32	-16.51	104.33	105.63	99
LMa	48.21	-75.63	30.65	81.61	158
CMa	53.44	-33.33	-47.49	58.03	235
VMa	34.16	-0.92	-46.56	46.58	269
MMa	42.71	79.0	-1.95	79.03	359
NMa	16.56	0.0	0.0	0.0	0
WMa	96.31	0.0	0.0	0.0	0
RCIE	39.92	59.78	25.77	65.1	23
JCIE	81.26	-2.51	69.07	69.11	92
GCIE	52.23	-41.57	11.3	43.09	165
BCIE	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 23/360 = 0.065 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

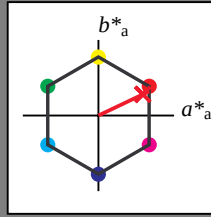
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ 0.0$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

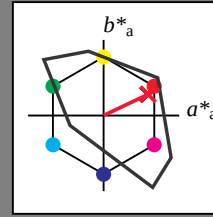
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ 0.0$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.465 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.75 \ 0.785 \ (0.75)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.215 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 65.61 \ 18.52 \ 8.82$
 $LAB^*TCha \ 62.5 \ 20.51 \ 25.47$

relative CIELAB lab*
 $lab^*lab \ 0.615 \ 0.226 \ 0.108$
 $lab^*tch \ 0.625 \ 0.25 \ 0.071$
 $lab^*nch \ 0.25 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.615 \ 0.25 \ 0.0$
 $lab^*tce \ 0.625 \ 0.25 \ 0.0$
 $lab^*nce \ 0.25 \ 0.25 \ 0.071$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.285 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.215 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.75 \ 0.785 \ (0.75)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.215 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 46.26 \ 18.52 \ 8.82$
 $LAB^*TCha \ 37.5 \ 20.51 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.48 \ 0.451 \ 0.215$
 $lab^*tch \ 0.48 \ 0.451 \ 0.071$
 $lab^*nch \ 0.25 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.48 \ 0.451 \ 0.0$
 $lab^*tce \ 0.48 \ 0.451 \ 0.0$
 $lab^*nce \ 0.25 \ 0.25 \ 0.071$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.0 \ 0.035 \ (1.0)$
 $cmyn3^* \ 0.75 \ 1.0 \ 0.965 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.75 \ 0.785 \ (0.75)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.215 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 26.92 \ 18.51 \ 8.83$
 $LAB^*TCha \ 12.5 \ 20.51 \ 25.5$

relative CIELAB lab*
 $lab^*lab \ 0.115 \ 0.226 \ 0.108$
 $lab^*tch \ 0.125 \ 0.25 \ 0.071$
 $lab^*nch \ 0.75 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.115 \ 0.25 \ 0.0$
 $lab^*tce \ 0.125 \ 0.25 \ 0.0$
 $lab^*nce \ 0.75 \ 0.25 \ 0.071$

$n^* = 0,50$

0,25

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

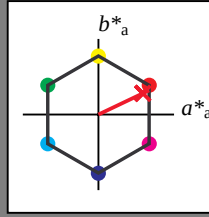
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*TCh 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*TCh 75.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.25 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*TCh 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.5 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*TCh 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.75 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.75 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*TCh 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*nce 1.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.5 0.544 (1.0)
 $cmyn3^*$ 0.0 0.5 0.456 (0.0)
 $olvi4^*$ 1.0 0.5 0.544 (1.0)
 $cmyn4^*$ 0.0 0.5 0.456 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.06 33.51 15.97
 LAB^*TCh 75.0 37.12 25.48

relative CIELAB lab*
 lab^*lab 0.75 0.5 0.544 (1.0)
 lab^*tch 0.75 0.5 0.456 (0.0)
 lab^*nch 0.0 0.5 0.544 (1.0)
 relative Natural Colour (NC)
 lab^*trj 0.75 0.5 0.544 (1.0)
 lab^*tce 0.0 0.5 0.456 (0.0)
 lab^*nce 0.0 0.5 0.456 (0.0)

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.25 0.294 (1.0)
 $cmyn3^*$ 0.25 0.75 0.706 (0.0)
 $olvi4^*$ 1.0 0.5 0.544 (1.0)
 $cmyn4^*$ 0.0 0.5 0.456 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.71 33.52 15.97
 LAB^*TCh 50.0 37.13 25.48

relative CIELAB lab*
 lab^*lab 0.75 0.25 0.294 (1.0)
 lab^*tch 0.25 0.75 0.706 (0.0)
 lab^*nch 0.0 0.5 0.544 (1.0)
 relative Natural Colour (NC)
 lab^*trj 0.75 0.25 0.294 (1.0)
 lab^*tce 0.25 0.75 0.706 (0.0)
 lab^*nce 0.0 0.5 0.456 (0.0)

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.0 0.044 (1.0)
 $cmyn3^*$ 0.5 1.0 0.956 (0.0)
 $olvi4^*$ 1.0 0.5 0.544 (1.0)
 $cmyn4^*$ 0.0 0.5 0.456 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.36 33.51 15.97
 LAB^*TCh 25.01 37.12 25.49

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.044 (1.0)
 lab^*tch 0.5 1.0 0.956 (0.0)
 lab^*nch 0.0 0.5 0.544 (1.0)
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.044 (1.0)
 lab^*tce 0.5 1.0 0.956 (0.0)
 lab^*nce 0.0 0.5 0.456 (0.0)

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.0 0.022 (1.0)
 $cmyn3^*$ 0.75 1.0 0.978 (0.0)
 $olvi4^*$ 1.0 0.5 0.544 (1.0)
 $cmyn4^*$ 0.0 0.5 0.456 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 27.69 33.51 15.97
 LAB^*TCh 12.5 37.12 25.49

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.022 (1.0)
 lab^*tch 0.25 1.0 0.978 (0.0)
 lab^*nch 0.0 0.5 0.544 (1.0)
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.022 (1.0)
 lab^*tce 0.25 1.0 0.978 (0.0)
 lab^*nce 0.0 0.5 0.456 (0.0)

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

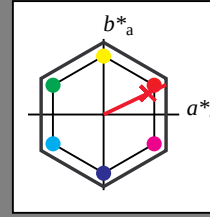
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*TCh 99.99 0.02 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*TCh 75.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.25 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*TCh 50.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.5 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*TCh 25.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.75 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.75 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*TCh 0.01 0.02 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*nce 1.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	31.81	82.62	47.7	95.4	30
YMa	63.61	0.0	95.4	95.4	90
LMa	31.81	-82.61	47.7	95.4	150
CMa	63.61	-82.61	-47.69	95.4	210
VMa	31.81	0.0	-95.39	95.4	270
MMa	63.61	82.62	-47.69	95.4	330
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.5 0.544 (1.0)
 $cmyn3^*$ 0.0 0.5 0.456 (0.0)
 $olvi4^*$ 1.0 0.5 0.544 (1.0)
 $cmyn4^*$ 0.0 0.5 0.456 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 65.0 41.3 19.68
 LAB^*TCh 75.0 45.75 25.48

relative CIELAB lab*
 lab^*lab 0.841 0.226 0.071
 lab^*tch 0.875 0.25 0.071
 lab^*nch 0.0 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.841 0.25 0.071
 lab^*tce 0.0 0.25 0.071
 lab^*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.5 0.522 (1.0)
 $cmyn3^*$ 0.25 0.5 0.478 (0.0)
 $olvi4^*$ 1.0 0.5 0.544 (1.0)
 $cmyn4^*$ 0.0 0.5 0.456 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.35 20.66 9.84
 LAB^*TCh 50.0 45.75 25.48

relative CIELAB lab*
 lab^*lab 0.591 0.226 0.071
 lab^*tch 0.625 0.25 0.071
 lab^*nch 0.0 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.591 0.25 0.071
 lab^*tce 0.0 0.25 0.071
 lab^*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.25 0.272 (1.0)
 $cmyn3^*$ 0.5 0.75 0.728 (0.0)
 $olvi4^*$ 1.0 0.5 0.544 (1.0)
 $cmyn4^*$ 0.0 0.25 0.228 0.5
 standard and adapted CIELAB
 LAB^*LAB 41.15 41.31 19.68
 LAB^*TCh 50.0 45.75 25.48

relative CIELAB lab*
 lab^*lab 0.431 0.451 0.215
 lab^*tch 0.5 0.5 0.071
 lab^*nch 0.25 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.431 0.5 0.071
 lab^*tce 0.5 0.5 0.071
 lab^*nce 0.25 0.5 0.071

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.0 0.044 (1.0)
 $cmyn3^*$ 0.75 1.0 0.956 (0.0)
 $olvi4^*$ 1.0 0.5 0.544 (1.0)
 $cmyn4^*$ 0.0 0.5 0.456 0.5
 standard and adapted CIELAB
 LAB^*LAB 17.3 41.3 19.69
 LAB^*TCh 25.01 45.75 25.49

relative CIELAB lab*
 lab^*lab 0.181 0.451 0.215
 lab^*tch 0.181 0.5 0.071
 lab^*nch 0.5 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.181 0.5 0.071
 lab^*tce 0.5 0.5 0.071
 lab^*nce 0.5 0.5 0.071

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

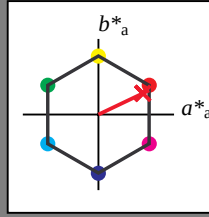
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

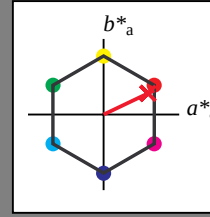
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 0.25 0.316 (1.0)
cmyn3* 0.0 0.75 0.684 (0.0)
olvi4* 1.0 0.25 0.316 (1.0)
cmyn4* 0.0 0.75 0.684 (0.0)
standard and adapted CIELAB
LAB*LAB 58.4 50.27 23.95
LAB*LABa 58.4 50.27 23.95
LAB*TCRa 62.5 55.68 25.48

relative CIELAB lab*
lab*lab 0.522 0.677 0.323
lab*tch 0.625 0.75 0.071
lab*nch 0.0 0.75 0.071
relative Natural Colour (NC)
lab*trj 0.522 0.75 0.0
lab*tce 0.625 0.75 0.0
lab*nce 0.0 0.75 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.294 (1.0)
cmyn3* 0.25 0.75 0.706 (0.0)
olvi4* 1.0 0.25 0.316 (1.0)
cmyn4* 0.0 0.75 0.684 (0.0)
standard and adapted CIELAB
LAB*LAB 51.39 33.52 15.97
LAB*LABa 51.39 33.52 15.97
LAB*TCRa 50.0 37.12 25.48

relative CIELAB lab*
lab*lab 0.431 0.451 0.215
lab*tch 0.5 0.5 0.071
lab*nch 0.25 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.431 0.5 0.0
lab*tce 0.5 0.5 0.0
lab*nce 0.25 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.044 (1.0)
cmyn3* 0.5 1.0 0.956 (0.0)
olvi4* 1.0 0.5 0.544 (0.5)
cmyn4* 0.0 0.5 0.456 (0.5)
standard and adapted CIELAB
LAB*LAB 32.04 33.51 15.97
LAB*LABa 32.04 33.51 15.97
LAB*TCRa 25.01 37.12 25.49

relative CIELAB lab*
lab*lab 0.272 0.677 0.323
lab*tch 0.375 0.75 0.071
lab*nch 0.25 0.75 0.071
relative Natural Colour (NC)
lab*trj 0.272 0.75 0.0
lab*tce 0.375 0.75 0.0
lab*nce 0.25 0.75 0.071

$n^* = 0,00$

chromaticness c^*

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

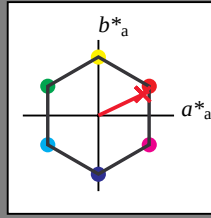
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*TCh 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*TCh 75.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.75 0.75 (1.0)
 lab^*tch 0.75 0.75 0.75 (1.0)
 lab^*nch 0.25 0.25 0.25 (0.0)
 relative Natural Colour (NC)
 lab^*trj 0.75 0.75 0.75 (1.0)
 lab^*tce 0.25 0.25 0.25 (0.0)
 lab^*nce 0.25 0.25 0.25 (0.0)

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.71 0.0 0.0
 LAB^*TCh 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.5 0.5 (1.0)
 lab^*tch 0.5 0.5 0.5 (1.0)
 lab^*nch 0.5 0.5 0.5 (1.0)
 relative Natural Colour (NC)
 lab^*trj 0.5 0.5 0.5 (1.0)
 lab^*tce 0.5 0.5 0.5 (1.0)
 lab^*nce 0.5 0.5 0.5 (1.0)

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*TCh 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.25 0.25 (1.0)
 lab^*tch 0.25 0.25 0.25 (1.0)
 lab^*nch 0.75 0.75 0.75 (0.0)
 relative Natural Colour (NC)
 lab^*trj 0.25 0.25 0.25 (1.0)
 lab^*tce 0.75 0.75 0.75 (0.0)
 lab^*nce 0.75 0.75 0.75 (0.0)

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*TCh 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0 (1.0)
 lab^*tch 0.0 0.0 0.0 (1.0)
 lab^*nch 1.0 1.0 1.0 (0.0)
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0 (1.0)
 lab^*tce 1.0 1.0 1.0 (0.0)
 lab^*nce 1.0 1.0 1.0 (0.0)

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

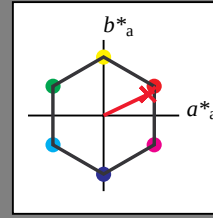
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*TCh 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*TCh 75.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.75 0.75 (1.0)
 lab^*tch 0.75 0.75 0.75 (1.0)
 lab^*nch 0.25 0.25 0.25 (0.0)
 relative Natural Colour (NC)
 lab^*trj 0.75 0.75 0.75 (1.0)
 lab^*tce 0.25 0.25 0.25 (0.0)
 lab^*nce 0.25 0.25 0.25 (0.0)

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.71 0.0 0.0
 LAB^*TCh 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.5 0.5 (1.0)
 lab^*tch 0.5 0.5 0.5 (1.0)
 lab^*nch 0.5 0.5 0.5 (1.0)
 relative Natural Colour (NC)
 lab^*trj 0.5 0.5 0.5 (1.0)
 lab^*tce 0.5 0.5 0.5 (1.0)
 lab^*nce 0.5 0.5 0.5 (1.0)

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*TCh 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.25 0.25 (1.0)
 lab^*tch 0.25 0.25 0.25 (1.0)
 lab^*nch 0.75 0.75 0.75 (0.0)
 relative Natural Colour (NC)
 lab^*trj 0.25 0.25 0.25 (1.0)
 lab^*tce 0.75 0.75 0.75 (0.0)
 lab^*nce 0.75 0.75 0.75 (0.0)

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*TCh 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0 (1.0)
 lab^*tch 0.0 0.0 0.0 (1.0)
 lab^*nch 1.0 1.0 1.0 (0.0)
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0 (1.0)
 lab^*tce 1.0 1.0 1.0 (0.0)
 lab^*nce 1.0 1.0 1.0 (0.0)

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

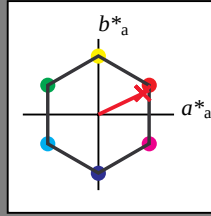
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.544 (1.0)
cmyn3* 0.0 0.5 0.456 (0.0)
olvi4* 1.0 0.5 0.456 (1.0)
cmyn4* 0.0 0.5 0.456 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 33.51 15.97
LAB*LABa 76.06 33.51 15.97
LAB*TCRa 75.0 37.12 25.48

relative CIELAB lab*
lab*lab 0.75 0.5 0.451 0.215
lab*tch 0.75 0.5 0.456 (0.0)
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.75 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.294 (1.0)
cmyn3* 0.25 0.75 0.706 (0.0)
olvi4* 1.0 0.5 0.544 0.75
cmyn4* 0.0 0.5 0.456 0.25
standard and adapted CIELAB
LAB*LAB 56.71 33.52 15.97
LAB*LABa 56.71 33.52 15.97
LAB*TCRa 50.0 37.13 25.48

relative CIELAB lab*
lab*lab 0.5 0.451 0.215
lab*tch 0.5 0.456 (0.0)
lab*nch 0.25 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.0
lab*tce 0.5 0.5 0.0
lab*nce 0.25 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.044 (1.0)
cmyn3* 0.5 1.0 0.956 (0.0)
olvi4* 1.0 0.5 0.544 0.5
cmyn4* 0.0 0.5 0.456 0.5
standard and adapted CIELAB
LAB*LAB 37.36 33.51 15.97
LAB*LABa 37.36 33.51 15.97
LAB*TCRa 25.01 37.12 25.49

relative CIELAB lab*
lab*lab 0.25 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.5 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.25 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.5 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.022 (1.0)
cmyn3* 0.75 1.0 0.978 (0.0)
olvi4* 1.0 0.75 0.772 0.25
cmyn4* 0.0 0.25 0.228 0.75
standard and adapted CIELAB
LAB*LAB 27.69 16.75 7.99
LAB*LABa 27.69 16.75 7.99
LAB*TCRa 12.5 18.56 25.48

relative CIELAB lab*
lab*lab 0.125 0.226 0.108
lab*tch 0.125 0.25 0.071
lab*nch 0.75 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.125 0.25 0.0
lab*tce 0.125 0.25 0.0
lab*nce 0.75 0.25 0.071

$n^* = 0,50$

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

blackness n^*

$n^* = 0,00$

0,25

chromaticness c^*

$n^* = 0,25$

0,50

0,75

1,00

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

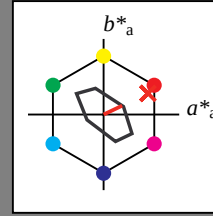
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.0 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*TCRa 75.0 0.0 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 0.0 0.0
LAB*LABa 66.38 0.0 0.0
LAB*TCRa 50.0 0.0 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 1.0 0.523 0.5 (1.0)
cmyn3* 0.0 0.477 0.5 (0.0)
olvi4* 1.0 0.285 0.25 0.75
cmyn4* 0.0 0.477 0.5 0.0
standard and adapted CIELAB
LAB*LAB 86.33 12.27 5.85
LAB*LABa 86.33 12.27 5.85
LAB*TCRa 75.0 13.59 25.48

relative CIELAB lab*
lab*lab 0.647 0.451 0.215
lab*tch 0.75 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.647 0.451 0.0
lab*tce 0.75 0.5 0.0
lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.512 0.5 (1.0)
cmyn3* 0.25 0.488 0.5 (0.0)
olvi4* 1.0 0.285 0.25 0.75
cmyn4* 0.0 0.238 0.25 0.25
standard and adapted CIELAB
LAB*LAB 84.44 6.14 2.92
LAB*LABa 84.44 6.14 2.92
LAB*TCRa 62.5 6.8 25.48

relative CIELAB lab*
lab*lab 0.573 0.226 0.108
lab*tch 0.625 0.25 0.071
lab*nch 0.25 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.573 0.226 0.0
lab*tce 0.625 0.25 0.0
lab*nce 0.25 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.262 0.25 (1.0)
cmyn3* 0.5 0.238 0.25 (0.0)
olvi4* 1.0 0.285 0.25 0.75
cmyn4* 0.0 0.238 0.25 0.25
standard and adapted CIELAB
LAB*LAB 79.9 12.27 5.85
LAB*LABa 79.9 12.27 5.85
LAB*TCRa 50.0 13.59 25.48

relative CIELAB lab*
lab*lab 0.397 0.451 0.215
lab*tch 0.5 0.5 0.071
lab*nch 0.25 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.397 0.451 0.0
lab*tce 0.5 0.5 0.0
lab*nce 0.25 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.023 0.0 (1.0)
cmyn3* 0.5 0.977 1.0 (0.0)
olvi4* 1.0 0.523 0.5 0.5
cmyn4* 0.0 0.477 0.5 0.5
standard and adapted CIELAB
LAB*LAB 73.47 12.27 5.84
LAB*LABa 73.47 12.27 5.84
LAB*TCRa 25.01 13.59 25.48

relative CIELAB lab*
lab*lab 0.147 0.451 0.215
lab*tch 0.5 0.5 0.071
lab*nch 0.5 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.147 0.451 0.0
lab*tce 0.5 0.5 0.0
lab*nce 0.5 0.5 0.071

$n^* = 0,50$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 1.0 0.285 0.25 (1.0)
cmyn3* 0.0 0.715 0.75 (0.0)
olvi4* 1.0 0.285 0.25 0.75
cmyn4* 0.0 0.715 0.75 0.0
standard and adapted CIELAB
LAB*LAB 81.79 18.4 8.77
LAB*LABa 81.79 18.4 8.77
LAB*TCRa 62.5 20.39 25.47

relative CIELAB lab*
lab*lab 0.47 0.677 0.323
lab*tch 0.625 0.75 0.071
lab*nch 0.0 0.75 0.071
relative Natural Colour (NC)
lab*trj 0.47 0.677 0.0
lab*tce 0.625 0.75 0.0
lab*nce 0.0 0.75 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.273 0.25 (1.0)
cmyn3* 0.25 0.727 0.75 (0.0)
olvi4* 1.0 0.285 0.25 0.75
cmyn4* 0.0 0.477 0.5 0.25
standard and adapted CIELAB
LAB*LAB 79.9 12.27 5.85
LAB*LABa 79.9 12.27 5.85
LAB*TCRa 50.0 13.59 25.48

relative CIELAB lab*
lab*lab 0.397 0.451 0.215
lab*tch 0.5 0.5 0.071
lab*nch 0.25 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.397 0.451 0.0
lab*tce 0.5 0.5 0.0
lab*nce 0.25 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.035 0.0 (1.0)
cmyn3* 0.25 0.965 1.0 (0.0)
olvi4* 1.0 0.285 0.25 0.75
cmyn4* 0.0 0.715 0.75 0.25
standard and adapted CIELAB
LAB*LAB 77.25 24.54 11.69
LAB*LABa 77.25 24.54 11.69
LAB*TCRa 50.0 27.18 25.47

relative CIELAB lab*
lab*lab 0.294 0.903 0.43
lab*tch 0.5 1.0 0.071
lab*nch 0.0 1.0 0.071
relative Natural Colour (NC)
lab*trj 0.294 0.903 0.0
lab*tce 0.5 1.0 0.0
lab*nce 0.0 1.0 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.023 0.0 (1.0)
cmyn3* 0.5 0.977 1.0 (0.0)
olvi4* 1.0 0.523 0.5 0.5
cmyn4* 0.0 0.477 0.5 0.5
standard and adapted CIELAB
LAB*LAB 73.47 12.27 5.84
LAB*LABa 73.47 12.27 5.84
LAB*TCRa 25.01 13.59 25.48

relative CIELAB lab*
lab*lab 0.147 0.451 0.215
lab*tch 0.5 0.5 0.071
lab*nch 0.5 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.147 0.451 0.0
lab*tce 0.5 0.5 0.0
lab*nce 0.5 0.5 0.071

$n^* = 0,25$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 1.0 0.285 0.25 (1.0)
cmyn3* 0.0 0.715 0.75 (0.0)
olvi4* 1.0 0.285 0.25 0.75
cmyn4* 0.0 0.715 0.75 0.0
standard and adapted CIELAB
LAB*LAB 81.79 18.4 8.77
LAB*LABa 81.79 18.4 8.77
LAB*TCRa 62.5 20.39 25.47

relative CIELAB lab*
lab*lab 0.47 0.677 0.323
lab*tch 0.625 0.75 0.071
lab*nch 0.0 0.75 0.071
relative Natural Colour (NC)
lab*trj 0.47 0.677 0.0
lab*tce 0.625 0.75 0.0
lab*nce 0.0 0.75 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.273 0.25 (1.0)
cmyn3* 0.25 0.727 0.75 (0.0)
olvi4* 1.0 0.285 0.25 0.75
cmyn4* 0.0 0.477 0.5 0.25
standard and adapted CIELAB
LAB*LAB 79.9 12.27 5.85
LAB*LABa 79.9 12.27 5.85
LAB*TCRa 50.0 13.59 25.48

relative CIELAB lab*
lab*lab 0.397 0.451 0.215
lab*tch 0.5 0.5 0.071
lab*nch 0.25 0.5 0.071
relative Natural Colour (NC)
lab*trj 0

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

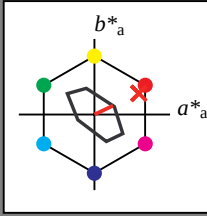
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.0 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*TCRa 75.0 0.0 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.59 0.0 0.0
LAB*LABa 82.59 0.0 0.0
LAB*TCRa 50.0 0.0 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.13 0.0 0.0
LAB*LABa 76.13 0.0 0.0
LAB*TCRa 25.0 0.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCRa 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 1.0 0.523 0.5 (1.0)
cmyn3* 0.0 0.477 0.5 (0.0)
olvi4* 1.0 0.523 0.5 (1.0)
cmyn4* 0.0 0.477 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 86.33 12.27 5.85
LAB*LABa 86.33 12.27 5.85
LAB*TCRa 75.0 13.59 25.48

relative CIELAB lab*
lab*lab 0.647 0.451 0.215
lab*tch 0.75 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.647 0.451 0.215
lab*tce 0.5 0.5 0.0
lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.273 0.25 (1.0)
cmyn3* 0.25 0.727 0.25 (0.0)
olvi4* 1.0 0.523 0.5 (1.0)
cmyn4* 0.0 0.477 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 79.9 12.27 5.85
LAB*LABa 79.9 12.27 5.85
LAB*TCRa 50.0 13.59 25.48

relative CIELAB lab*
lab*lab 0.47 0.677 0.323
lab*tch 0.625 0.75 0.071
lab*nch 0.0 0.75 0.071
relative Natural Colour (NC)
lab*trj 0.47 0.677 0.323
lab*tce 0.625 0.75 0.0
lab*nce 0.0 0.75 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.262 0.25 (1.0)
cmyn3* 0.5 0.738 0.25 (0.0)
olvi4* 1.0 0.523 0.5 (1.0)
cmyn4* 0.0 0.238 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 78.01 6.14 2.92
LAB*LABa 78.01 6.14 2.92
LAB*TCRa 37.5 6.8 25.48

relative CIELAB lab*
lab*lab 0.323 0.226 0.108
lab*tch 0.375 0.25 0.071
lab*nch 0.25 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.323 0.226 0.108
lab*tce 0.375 0.25 0.0
lab*nce 0.25 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.012 0.0 (1.0)
cmyn3* 0.75 0.988 1.0 (0.0)
olvi4* 1.0 0.523 0.5 (1.0)
cmyn4* 0.0 0.477 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.47 12.27 5.84
LAB*LABa 73.47 12.27 5.84
LAB*TCRa 25.0 13.59 25.48

relative CIELAB lab*
lab*lab 0.147 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.5 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.147 0.451 0.215
lab*tce 0.25 0.5 0.0
lab*nce 0.5 0.5 0.071

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

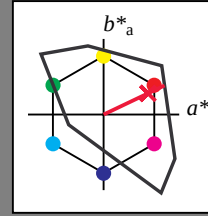
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 60.69 20.16 9.6
LAB*LABa 60.69 20.16 9.6
LAB*TCRa 50.0 22.32 25.47

relative CIELAB lab*
lab*lab 0.636 0.226 0.108
lab*tch 0.625 0.25 0.071
lab*nch 0.25 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.636 0.226 0.108
lab*tce 0.625 0.25 0.0
lab*nce 0.25 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.83 40.31 19.21
LAB*LABa 49.83 40.31 19.21
LAB*TCRa 25.0 44.65 25.49

relative CIELAB lab*
lab*lab 0.522 0.451 0.215
lab*tch 0.522 0.451 0.215
lab*nch 0.25 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.522 0.451 0.215
lab*tce 0.522 0.451 0.215
lab*nce 0.25 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.67 40.3 19.2
LAB*LABa 73.67 40.3 19.2
LAB*TCRa 50.0 44.65 25.47

relative CIELAB lab*
lab*lab 0.772 0.451 0.215
lab*tch 0.772 0.451 0.215
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.772 0.451 0.215
lab*tce 0.772 0.451 0.215
lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.25 0.197 0.25
standard and adapted CIELAB
LAB*LAB 60.69 20.16 9.6
LAB*LABa 60.69 20.16 9.6
LAB*TCRa 50.0 22.32 25.47

relative CIELAB lab*
lab*lab 0.636 0.226 0.108
lab*tch 0.625 0.25 0.071
lab*nch 0.25 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.636 0.226 0.108
lab*tce 0.625 0.25 0.0
lab*nce 0.25 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.303 (1.0)
cmyn3* 0.5 0.25 0.303 (0.0)
olvi4* 1.0 0.25 0.303 (1.0)
cmyn4* 0.0 0.25 0.197 0.25
standard and adapted CIELAB
LAB*LAB 49.83 40.31 19.21
LAB*LABa 49.83 40.31 19.21
LAB*TCRa 25.0 44.65 25.49

relative CIELAB lab*
lab*lab 0.522 0.451 0.215
lab*tch 0.522 0.451 0.215
lab*nch 0.25 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.522 0.451 0.215
lab*tce 0.522 0.451 0.215
lab*nce 0.25 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCRa 25.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

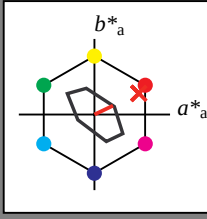
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 88.98 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 82.59 \ 0.0 \ 0.0$
 $LAB^*TCha \ 82.56 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.13 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.523 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.477 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.523 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.477 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 86.33 \ 12.27 \ 5.85$
 $LAB^*TCha \ 75.0 \ 13.59 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.647 \ 0.451 \ 0.215$
 $lab^*tch \ 0.75 \ 0.5 \ 0.071$
 $lab^*nch \ 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.647 \ 0.5 \ 0.0$
 $lab^*tce \ 0.5 \ 0.5 \ 0.0$
 $lab^*nce \ 0.0 \ 0.5 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.273 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.727 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.523 \ 0.5 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.477 \ 0.5 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 79.9 \ 12.27 \ 5.85$
 $LAB^*TCha \ 79.9 \ 12.27 \ 5.85$

relative CIELAB lab*
 $lab^*lab \ 0.47 \ 0.677 \ 0.323$
 $lab^*tch \ 0.625 \ 0.75 \ 0.071$
 $lab^*nch \ 0.0 \ 0.75 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.47 \ 0.75 \ 0.0$
 $lab^*tce \ 0.625 \ 0.75 \ 0.0$
 $lab^*nce \ 0.0 \ 0.75 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.033 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.967 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.523 \ 0.5 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.477 \ 0.5 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 73.47 \ 12.27 \ 5.84$
 $LAB^*TCha \ 25.01 \ 13.59 \ 25.46$

relative CIELAB lab*
 $lab^*lab \ 0.397 \ 0.451 \ 0.215$
 $lab^*tch \ 0.5 \ 0.5 \ 0.071$
 $lab^*nch \ 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.397 \ 0.5 \ 0.0$
 $lab^*tce \ 0.5 \ 0.5 \ 0.0$
 $lab^*nce \ 0.25 \ 0.5 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.012 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.988 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.762 \ 0.75 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.238 \ 0.25 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.59 \ 6.14 \ 2.92$
 $LAB^*TCha \ 12.5 \ 6.8 \ 26.45$

relative CIELAB lab*
 $lab^*lab \ 0.073 \ 0.226 \ 0.107$
 $lab^*tch \ 0.125 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.073 \ 0.25 \ 0.0$
 $lab^*tce \ 0.125 \ 0.25 \ 0.0$
 $lab^*nce \ 0.75 \ 0.25 \ 0.0$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 23/360 = 0.065$

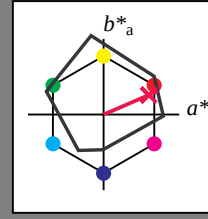
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 42 78 23

olv*Ma: 1.0 0.0 0.38

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 96.31 \ 0.11 \ 2.58$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.38 \ 0.44 \ 2.45$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 77.25 \ 24.54 \ 11.69$
 $LAB^*TCha \ 50.0 \ 27.18 \ 25.47$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 65.5 \ 10.9 \ 2.19$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.57 \ -1.41 \ 2.06$
 $LAB^*TCha \ 0.01 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.5 \ 0.594 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.311 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.594 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.311 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.35 \ 35.7 \ 15.39$
 $LAB^*TCha \ 75.0 \ 38.88 \ 23.32$

relative CIELAB lab*
 $lab^*lab \ 0.662 \ 0.459 \ 0.198$
 $lab^*tch \ 0.75 \ 0.5 \ 0.065$
 $lab^*nch \ 0.0 \ 0.5 \ 0.065$
 relative Natural Colour (NC)
 $lab^*trj \ 0.662 \ 0.5 \ 0.0$
 $lab^*tce \ 0.75 \ 0.5 \ 0.0$
 $lab^*nce \ 0.0 \ 0.5 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.5 \ 0.594 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.5 \ 0.311 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.5 \ 0.594 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.5 \ 0.311 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 49.42 \ 34.82 \ 17.68$
 $LAB^*TCha \ 49.42 \ 35.71 \ 15.39$

relative CIELAB lab*
 $lab^*lab \ 0.412 \ 0.459 \ 0.198$
 $lab^*tch \ 0.625 \ 0.75 \ 0.065$
 $lab^*nch \ 0.0 \ 0.75 \ 0.065$
 relative Natural Colour (NC)
 $lab^*trj \ 0.412 \ 0.5 \ 0.0$
 $lab^*tce \ 0.625 \ 0.75 \ 0.0$
 $lab^*nce \ 0.25 \ 0.5 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.25 \ 0.344 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.75 \ 0.656 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.75 \ 0.344 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.25 \ 0.156 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 42.96 \ 16.86 \ 9.94$
 $LAB^*TCha \ 42.96 \ 17.85 \ 7.7$

relative CIELAB lab*
 $lab^*lab \ 0.581 \ 0.23 \ 0.099$
 $lab^*tch \ 0.625 \ 0.25 \ 0.065$
 $lab^*nch \ 0.25 \ 0.25 \ 0.065$
 relative Natural Colour (NC)
 $lab^*trj \ 0.581 \ 0.25 \ 0.0$
 $lab^*tce \ 0.625 \ 0.25 \ 0.0$
 $lab^*nce \ 0.25 \ 0.25 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 36.5 \ 10.9 \ 2.19$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

$n^* = 0,50$

0,25

0,50

0,75

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

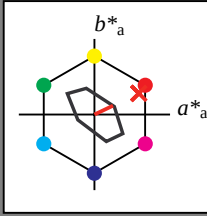
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TChU 99.99 0.0 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 88.98 0.0 0.0
 LAB^*LABa 88.98 0.0 0.0
 LAB^*TChU 75.0 0.0 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 82.59 0.0 0.0
 LAB^*LABa 82.59 0.0 0.0
 LAB^*TChU 50.0 0.0 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.13 0.0 0.0
 LAB^*LABa 76.13 0.0 0.0
 LAB^*TChU 25.0 0.0 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 69.7 0.0 0.0
 LAB^*LABa 69.7 0.0 0.0
 LAB^*TChU 0.0 0.0 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.523 0.5 (1.0)
 $cmyn3^*$ 0.0 0.477 0.5 (0.0)
 $olvi4^*$ 1.0 0.523 0.5 (1.0)
 $cmyn4^*$ 0.0 0.477 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 86.33 12.27 5.83
 LAB^*LABa 86.33 12.27 5.83
 LAB^*TChU 75.0 13.59 25.48

relative CIELAB lab*
 lab^*lab 0.647 0.451 0.215
 lab^*tch 0.75 0.5 0.071
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.647 0.451 0.215
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.273 0.25 (1.0)
 $cmyn3^*$ 0.25 0.727 0.25 (0.0)
 $olvi4^*$ 1.0 0.523 0.5 (1.0)
 $cmyn4^*$ 0.0 0.477 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 79.9 12.27 5.83
 LAB^*LABa 79.9 12.27 5.83
 LAB^*TChU 50.0 13.59 25.48

relative CIELAB lab*
 lab^*lab 0.397 0.451 0.215
 lab^*tch 0.625 0.25 0.071
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.397 0.451 0.215
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.25 0.5 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.023 0.0 (1.0)
 $cmyn3^*$ 0.5 0.977 1.0 (0.0)
 $olvi4^*$ 1.0 0.523 0.5 (1.0)
 $cmyn4^*$ 0.0 0.477 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 73.47 12.27 5.84
 LAB^*LABa 73.47 12.27 5.84
 LAB^*TChU 25.0 13.59 25.48

relative CIELAB lab*
 lab^*lab 0.147 0.451 0.215
 lab^*tch 0.25 0.5 0.071
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.147 0.451 0.215
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.5 0.5 0.0

$n^* = 0,50$

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.012 0.0 (1.0)
 $cmyn3^*$ 0.75 0.988 1.0 (0.0)
 $olvi4^*$ 1.0 0.762 0.75 (0.0)
 $cmyn4^*$ 0.0 0.238 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 71.59 6.14 2.92
 LAB^*LABa 71.59 6.14 2.92
 LAB^*TChU 12.5 6.8 25.45

relative CIELAB lab*
 lab^*lab 0.073 0.226 0.107
 lab^*tch 0.125 0.25 0.071
 lab^*nch 0.0 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.073 0.226 0.107
 lab^*tce 0.125 0.25 0.0
 lab^*nce 0.75 0.25 0.0

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

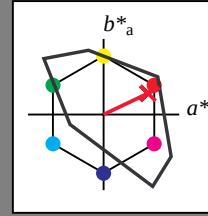
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TChU 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 0.75
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.07 0.0 0.0
 LAB^*TChU 75.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 77.25 24.54 11.69
 LAB^*LABa 77.25 24.54 11.69
 LAB^*TChU 50.0 27.18 25.47

relative CIELAB lab*
 lab^*lab 0.294 0.903 0.43
 lab^*tch 0.5 1.0 0.071
 lab^*nch 0.0 1.0 0.071
 relative Natural Colour (NC)
 lab^*trj 0.294 1.0 0.0
 lab^*tce 0.5 1.0 0.0
 lab^*nce 0.0 1.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TChU 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TChU 0.01 0.0 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.5 0.569 (1.0)
 $cmyn3^*$ 0.0 0.5 0.431 (0.0)
 $olvi4^*$ 1.0 0.5 0.569 (1.0)
 $cmyn4^*$ 0.0 0.5 0.431 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 74.51 37.03 17.64
 LAB^*LABa 74.51 37.03 17.64
 LAB^*TChU 50.0 41.02 25.48

relative CIELAB lab*
 lab^*lab 0.73 0.451 0.215
 lab^*tch 0.75 0.5 0.071
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.73 0.451 0.215
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.5 0.539 (1.0)
 $cmyn3^*$ 0.25 0.5 0.465 (0.0)
 $olvi4^*$ 1.0 0.5 0.569 (1.0)
 $cmyn4^*$ 0.0 0.25 0.215 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 65.61 18.52 8.82
 LAB^*LABa 65.61 18.52 8.82
 LAB^*TChU 50.0 20.51 25.48

relative CIELAB lab*
 lab^*lab 0.615 0.226 0.108
 lab^*tch 0.625 0.25 0.071
 lab^*nch 0.0 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.615 0.226 0.108
 lab^*tce 0.625 0.25 0.0
 lab^*nce 0.25 0.25 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.25 0.285 (1.0)
 $cmyn3^*$ 0.5 0.25 0.215 (0.0)
 $olvi4^*$ 1.0 0.5 0.569 (1.0)
 $cmyn4^*$ 0.0 0.25 0.215 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 55.17 37.04 17.65
 LAB^*LABa 55.17 37.04 17.65
 LAB^*TChU 50.0 41.03 25.48

relative CIELAB lab*
 lab^*lab 0.48 0.451 0.215
 lab^*tch 0.5 0.5 0.071
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.48 0.5 0.0
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.25 0.5 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.0 0.069 (1.0)
 $cmyn3^*$ 0.75 1.0 0.931 (0.0)
 $olvi4^*$ 1.0 0.5 0.569 (1.0)
 $cmyn4^*$ 0.0 0.5 0.431 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 35.82 37.03 17.65
 LAB^*LABa 35.82 37.03 17.65
 LAB^*TChU 25.0 41.02 25.49

relative CIELAB lab*
 lab^*lab 0.23 0.451 0.215
 lab^*tch 0.25 0.5 0.071
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.23 0.451 0.215
 lab^*tce 0.25 0.5 0.0
 lab^*nce 0.5 0.5 0.0

$n^* = 0,50$

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

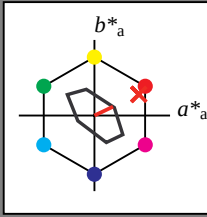
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*TCh 99.99 0.0 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 88.98 0.0 0.0
 LAB^*TCh 75.0 0.0 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 82.59 0.0 0.0
 LAB^*TCh 50.0 0.0 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.13 0.0 0.0
 LAB^*TCh 25.0 0.0 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 69.7 0.0 0.0
 LAB^*TCh 0.0 0.0 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.523 0.5 (1.0)
 $cmyn3^*$ 0.0 0.477 0.5 (0.0)
 $olvi4^*$ 1.0 0.523 0.5 (1.0)
 $cmyn4^*$ 0.0 0.477 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 86.33 12.27 5.85
 LAB^*TCh 75.0 13.59 25.48

relative CIELAB lab*
 lab^*lab 0.647 0.451 0.215
 lab^*tch 0.75 0.5 0.071
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.647 0.451 0.215
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.273 0.25 (1.0)
 $cmyn3^*$ 0.25 0.727 0.25 (0.0)
 $olvi4^*$ 1.0 0.523 0.5 (1.0)
 $cmyn4^*$ 0.0 0.477 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 79.9 12.27 5.85
 LAB^*TCh 50.0 13.59 25.48

relative CIELAB lab*
 lab^*lab 0.397 0.451 0.215
 lab^*tch 0.5 0.5 0.071
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.397 0.451 0.215
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.023 0.0 (1.0)
 $cmyn3^*$ 0.5 0.977 1.0 (0.0)
 $olvi4^*$ 1.0 0.523 0.5 (1.0)
 $cmyn4^*$ 0.0 0.477 0.5 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 73.47 12.27 5.84
 LAB^*TCh 25.0 13.59 25.46

relative CIELAB lab*
 lab^*lab 0.147 0.451 0.215
 lab^*tch 0.25 0.5 0.071
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.147 0.451 0.215
 lab^*tce 0.25 0.5 0.0
 lab^*nce 0.0 0.5 0.0

$n^* = 0,50$

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.012 0.0 (1.0)
 $cmyn3^*$ 0.75 0.988 1.0 (0.0)
 $olvi4^*$ 1.0 0.762 0.75 (0.0)
 $cmyn4^*$ 0.0 0.238 0.25 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 71.59 6.14 2.92
 LAB^*TCh 12.5 6.8 26.45

relative CIELAB lab*
 lab^*lab 0.073 0.226 0.107
 lab^*tch 0.125 0.25 0.071
 lab^*nch 0.0 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.073 0.226 0.107
 lab^*tce 0.125 0.25 0.0
 lab^*nce 0.0 0.25 0.0

$n^* = 0,25$

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 69.7 0.0 0.0
 LAB^*TCh 0.0 0.0 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

blackness n^*

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

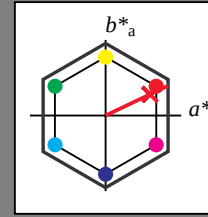
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 35 92 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*TCh 99.99 0.02 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 71.57 0.0 0.0
 LAB^*TCh 75.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 65.35 20.66 9.84
 LAB^*TCh 50.0 22.87 25.48

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 47.72 0.0 0.0
 LAB^*TCh 50.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.03 0.0 0.0
 LAB^*TCh 0.01 0.02 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

$n^* = 1,0$

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.03 0.0 0.0
 LAB^*TCh 0.01 0.02 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.5 0.524 (1.0)
 $cmyn3^*$ 0.0 0.5 0.456 (0.0)
 $olvi4^*$ 1.0 0.5 0.524 (1.0)
 $cmyn4^*$ 0.0 0.5 0.456 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 65.0 41.3 19.68
 LAB^*TCh 50.0 45.75 25.48

relative CIELAB lab*
 lab^*lab 0.681 0.451 0.215
 lab^*tch 0.75 0.5 0.071
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.681 0.451 0.215
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.5 0.522 (1.0)
 $cmyn3^*$ 0.25 0.5 0.478 (0.0)
 $olvi4^*$ 1.0 0.5 0.522 (1.0)
 $cmyn4^*$ 0.0 0.25 0.228 0.25
 standard and adapted CIELAB
 LAB^*LAB 56.35 20.66 9.84
 LAB^*TCh 50.0 22.87 25.48

relative CIELAB lab*
 lab^*lab 0.591 0.226 0.108
 lab^*tch 0.625 0.25 0.071
 lab^*nch 0.0 0.25 0.071
 relative Natural Colour (NC)
 lab^*trj 0.591 0.226 0.108
 lab^*tce 0.625 0.25 0.0
 lab^*nce 0.0 0.25 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.25 0.272 (1.0)
 $cmyn3^*$ 0.5 0.25 0.728 (0.0)
 $olvi4^*$ 1.0 0.25 0.272 (1.0)
 $cmyn4^*$ 0.0 0.25 0.228 0.25
 standard and adapted CIELAB
 LAB^*LAB 41.15 41.31 19.68
 LAB^*TCh 50.0 45.76 25.48

relative CIELAB lab*
 lab^*lab 0.431 0.451 0.215
 lab^*tch 0.5 0.5 0.071
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.431 0.451 0.215
 lab^*tce 0.5 0.5 0.0
 lab^*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.0 0.044 (1.0)
 $cmyn3^*$ 0.75 0.0 0.956 (0.0)
 $olvi4^*$ 1.0 0.0 0.044 (1.0)
 $cmyn4^*$ 0.0 0.0 0.044 0.5
 standard and adapted CIELAB
 LAB^*LAB 17.3 41.3 19.69
 LAB^*TCh 25.0 45.75 25.49

relative CIELAB lab*
 lab^*lab 0.181 0.451 0.215
 lab^*tch 0.25 0.5 0.071
 lab^*nch 0.0 0.5 0.071
 relative Natural Colour (NC)
 lab^*trj 0.181 0.451 0.215
 lab^*

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

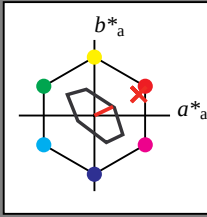
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

0.75

relative Inform. Technology (IT)
 $olvi3^* 1.0 1.0 1.0 (1.0)$
 $cmyn3^* 0.0 0.0 0.0 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 95.41 0.0 0.0$
 $LAB^*TCh 99.99 0.0 -$

relative CIELAB lab*
 $lab^*lab 1.0 0.0 0.0$
 $lab^*tch 1.0 0.0 -$
 $lab^*nch 0.0 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 1.0 0.0 0.0$
 $lab^*tce 0.0 0.0 -$
 $lab^*nce 0.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.75 0.75 0.75 (1.0)$
 $cmyn3^* 0.25 0.25 0.25 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 88.98 0.0 0.0$
 $LAB^*TCh 75.0 0.0 -$

relative CIELAB lab*
 $lab^*lab 0.823 0.226 0.108$
 $lab^*tch 0.875 0.25 0.071$
 $lab^*nch 0.0 0.25 0.071$
 relative Natural Colour (NC)
 $lab^*trj 0.823 0.25 0.0$
 $lab^*tce 0.875 0.25 0.0$
 $lab^*nce 0.0 0.25 0.0$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.25 0.25 0.25 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 88.98 0.0 0.0$
 $LAB^*TCh 75.0 0.0 -$

relative CIELAB lab*
 $lab^*lab 0.75 0.25 0.108$
 $lab^*tch 0.823 0.25 0.071$
 $lab^*nch 0.0 0.25 0.071$
 relative Natural Colour (NC)
 $lab^*trj 0.75 0.25 0.0$
 $lab^*tce 0.823 0.25 0.0$
 $lab^*nce 0.0 0.25 0.0$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.25 0.25 0.25 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 88.98 0.0 0.0$
 $LAB^*TCh 75.0 0.0 -$

relative CIELAB lab*
 $lab^*lab 0.75 0.25 0.108$
 $lab^*tch 0.823 0.25 0.071$
 $lab^*nch 0.0 0.25 0.071$
 relative Natural Colour (NC)
 $lab^*trj 0.75 0.25 0.0$
 $lab^*tce 0.823 0.25 0.0$
 $lab^*nce 0.0 0.25 0.0$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.25 0.25 0.25 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 88.98 0.0 0.0$
 $LAB^*TCh 75.0 0.0 -$

relative CIELAB lab*
 $lab^*lab 0.75 0.25 0.108$
 $lab^*tch 0.823 0.25 0.071$
 $lab^*nch 0.0 0.25 0.071$
 relative Natural Colour (NC)
 $lab^*trj 0.75 0.25 0.0$
 $lab^*tce 0.823 0.25 0.0$
 $lab^*nce 0.0 0.25 0.0$

relative Inform. Technology (IT)
 $olvi3^* 0.25 0.25 0.25 (1.0)$
 $cmyn3^* 0.75 0.75 0.75 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 76.13 0.0 0.0$
 $LAB^*TCh 25.0 0.0 -$

relative CIELAB lab*
 $lab^*lab 0.323 0.226 0.108$
 $lab^*tch 0.375 0.25 0.071$
 $lab^*nch 0.0 0.25 0.071$
 relative Natural Colour (NC)
 $lab^*trj 0.323 0.25 0.0$
 $lab^*tce 0.375 0.25 0.0$
 $lab^*nce 0.0 0.25 0.0$

relative Inform. Technology (IT)
 $olvi3^* 0.25 0.25 0.25 (1.0)$
 $cmyn3^* 0.75 0.75 0.75 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 76.13 0.0 0.0$
 $LAB^*TCh 25.0 0.0 -$

relative CIELAB lab*
 $lab^*lab 0.25 0.0 0.0$
 $lab^*tch 0.75 0.0 -$
 $lab^*nch 0.0 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.25 0.0 0.0$
 $lab^*tce 0.75 0.0 -$
 $lab^*nce 0.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.0 0.0 0.0 (1.0)$
 $cmyn3^* 1.0 1.0 1.0 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 69.7 0.0 0.0$
 $LAB^*TCh 0.0 0.0 -$

relative CIELAB lab*
 $lab^*lab 0.0 0.0 0.0$
 $lab^*tch 0.0 0.0 -$
 $lab^*nch 0.0 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.0 0.0 0.0$
 $lab^*tce 1.0 0.0 -$
 $lab^*nce 1.0 0.0 -$

$n^* = 1,0$

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

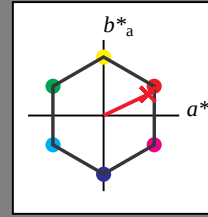
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 46 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* 1.0 1.0 1.0 (1.0)$
 $cmyn3^* 0.0 0.0 0.0 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 95.41 0.0 0.0$
 $LAB^*TCh 99.99 0.01 -$

relative CIELAB lab*
 $lab^*lab 1.0 0.0 0.0$
 $lab^*tch 1.0 0.0 -$
 $lab^*nch 0.0 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 1.0 0.0 0.0$
 $lab^*tce 0.0 0.0 -$
 $lab^*nce 0.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.75 0.75 0.75 (1.0)$
 $cmyn3^* 0.25 0.25 0.25 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 76.07 0.0 0.0$
 $LAB^*TCh 75.0 0.01 -$

relative CIELAB lab*
 $lab^*lab 0.841 0.226 0.107$
 $lab^*tch 0.875 0.25 0.071$
 $lab^*nch 0.0 0.25 0.071$
 relative Natural Colour (NC)
 $lab^*trj 0.841 0.25 0.0$
 $lab^*tce 0.875 0.25 0.0$
 $lab^*nce 0.0 0.25 0.0$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.25 0.25 0.25 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 76.07 0.0 0.0$
 $LAB^*TCh 75.0 0.01 -$

relative CIELAB lab*
 $lab^*lab 0.75 0.25 0.108$
 $lab^*tch 0.823 0.25 0.071$
 $lab^*nch 0.0 0.25 0.071$
 relative Natural Colour (NC)
 $lab^*trj 0.75 0.25 0.0$
 $lab^*tce 0.823 0.25 0.0$
 $lab^*nce 0.0 0.25 0.0$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.25 0.25 0.25 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 76.07 0.0 0.0$
 $LAB^*TCh 75.0 0.01 -$

relative CIELAB lab*
 $lab^*lab 0.591 0.226 0.108$
 $lab^*tch 0.625 0.25 0.071$
 $lab^*nch 0.0 0.25 0.071$
 relative Natural Colour (NC)
 $lab^*trj 0.591 0.25 0.0$
 $lab^*tce 0.625 0.25 0.0$
 $lab^*nce 0.0 0.25 0.0$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.25 0.25 0.25 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 76.07 0.0 0.0$
 $LAB^*TCh 75.0 0.01 -$

relative CIELAB lab*
 $lab^*lab 0.5 0.0 0.0$
 $lab^*tch 0.5 0.0 -$
 $lab^*nch 0.0 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.5 0.0 0.0$
 $lab^*tce 0.5 0.0 -$
 $lab^*nce 0.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.25 0.25 0.25 (1.0)$
 $cmyn3^* 0.75 0.75 0.75 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 37.37 0.0 0.0$
 $LAB^*TCh 25.0 0.01 -$

relative CIELAB lab*
 $lab^*lab 0.25 0.0 0.0$
 $lab^*tch 0.75 0.0 -$
 $lab^*nch 0.0 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.25 0.0 0.0$
 $lab^*tce 0.75 0.0 -$
 $lab^*nce 0.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.25 0.25 0.25 (1.0)$
 $cmyn3^* 0.75 0.75 0.75 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 37.37 0.0 0.0$
 $LAB^*TCh 25.0 0.01 -$

relative CIELAB lab*
 $lab^*lab 0.25 0.0 0.0$
 $lab^*tch 0.75 0.0 -$
 $lab^*nch 0.0 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.25 0.0 0.0$
 $lab^*tce 0.75 0.0 -$
 $lab^*nce 0.0 0.0 -$

relative Inform. Technology (IT)
 $olvi3^* 0.0 0.0 0.0 (1.0)$
 $cmyn3^* 1.0 1.0 1.0 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB 18.03 0.0 0.0$
 $LAB^*TCh 0.01 0.0 -$

relative CIELAB lab*
 $lab^*lab 0.0 0.0 0.0$
 $lab^*tch 0.0 0.0 -$
 $lab^*nch 0.0 0.0 -$
 relative Natural Colour (NC)
 $lab^*trj 0.0 0.0 0.0$
 $lab^*tce 1.0 0.0 -$
 $lab^*nce 1.0 0.0 -$

$n^* = 1,0$

blackness n^*

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

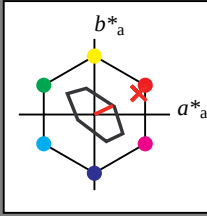
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.0 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*TCRa 75.0 0.0 -

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*tch 0.75 0.75 0.75 (1.0)
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*tce 0.25 0.25 -
lab*nce 0.25 0.25 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.59 0.0 0.0
LAB*LABa 82.59 0.0 0.0
LAB*TCRa 50.0 0.0 -

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*tch 0.5 0.5 0.5 (1.0)
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (1.0)
lab*tce 0.5 0.5 0.5 (1.0)
lab*nce 0.5 0.5 0.5 (1.0)

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.13 0.0 0.0
LAB*LABa 76.13 0.0 0.0
LAB*TCRa 25.0 0.0 -

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*tch 0.25 0.25 0.25 (1.0)
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (1.0)
lab*tce 0.25 0.25 0.25 (1.0)
lab*nce 0.25 0.25 0.25 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCRa 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 1.0 0.523 0.5 (1.0)
cmyn3* 0.0 0.477 0.5 (0.0)
olvi4* 1.0 0.523 0.5 (1.0)
cmyn4* 0.0 0.477 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 86.13 12.27 5.85
LAB*LABa 86.13 12.27 5.85
LAB*TCRa 75.0 13.59 25.48

relative CIELAB lab*
lab*lab 0.823 0.226 0.108
lab*tch 0.875 0.451 0.215
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.875 0.451 0.215
lab*tce 0.875 0.451 0.215
lab*nce 0.875 0.451 0.215

relative Inform. Technology (IT)
olvi3* 0.75 0.512 0.5 (1.0)
cmyn3* 0.25 0.488 0.5 (0.0)
olvi4* 1.0 0.762 0.75 (1.0)
cmyn4* 0.0 0.238 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 84.4 6.14 2.92
LAB*LABa 84.4 6.14 2.92
LAB*TCRa 75.0 6.8 25.48

relative CIELAB lab*
lab*lab 0.75 0.512 0.5 (1.0)
lab*tch 0.75 0.512 0.5 (1.0)
lab*nch 0.0 0.238 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.75 0.512 0.5 (1.0)
lab*tce 0.75 0.512 0.5 (1.0)
lab*nce 0.75 0.512 0.5 (1.0)

relative Inform. Technology (IT)
olvi3* 0.5 0.273 0.25 (1.0)
cmyn3* 0.25 0.727 0.25 (0.0)
olvi4* 1.0 0.523 0.5 (1.0)
cmyn4* 0.0 0.477 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 79.9 12.27 5.85
LAB*LABa 79.9 12.27 5.85
LAB*TCRa 50.0 13.59 25.48

relative CIELAB lab*
lab*lab 0.47 0.677 0.323
lab*tch 0.625 0.75 0.071
lab*nch 0.0 0.75 0.071
relative Natural Colour (NC)
lab*trj 0.47 0.677 0.323
lab*tce 0.625 0.75 0.071
lab*nce 0.625 0.75 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.273 0.25 (1.0)
cmyn3* 0.75 0.727 0.25 (0.0)
olvi4* 1.0 0.523 0.5 (1.0)
cmyn4* 0.0 0.477 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.47 12.27 5.85
LAB*LABa 73.47 12.27 5.85
LAB*TCRa 25.0 13.59 25.48

relative CIELAB lab*
lab*lab 0.22 0.677 0.323
lab*tch 0.375 0.75 0.071
lab*nch 0.0 0.75 0.071
relative Natural Colour (NC)
lab*trj 0.22 0.677 0.323
lab*tce 0.375 0.75 0.071
lab*nce 0.375 0.75 0.071

relative Inform. Technology (IT)
olvi3* 0.0 0.023 0.0 (1.0)
cmyn3* 0.977 1.0 0.0 (0.0)
olvi4* 1.0 0.523 0.5 (1.0)
cmyn4* 0.0 0.477 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.47 12.27 5.85
LAB*LABa 73.47 12.27 5.85
LAB*TCRa 25.0 13.59 25.48

relative CIELAB lab*
lab*lab 0.147 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.147 0.451 0.215
lab*tce 0.25 0.5 0.071
lab*nce 0.25 0.5 0.071

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

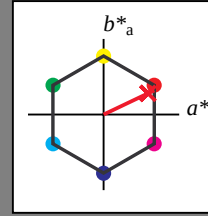
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*tch 0.75 0.75 0.75 (1.0)
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*tce 0.25 0.25 -
lab*nce 0.25 0.25 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*tch 0.5 0.5 0.5 (1.0)
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (1.0)
lab*tce 0.5 0.5 0.5 (1.0)
lab*nce 0.5 0.5 0.5 (1.0)

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*tch 0.25 0.25 0.25 (1.0)
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (1.0)
lab*tce 0.25 0.25 0.25 (1.0)
lab*nce 0.25 0.25 0.25 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 33.51 15.97
LAB*LABa 76.06 33.51 15.97
LAB*TCRa 50.0 37.12 25.48

relative CIELAB lab*
lab*lab 0.75 0.451 0.215
lab*tch 0.75 0.451 0.215
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.75 0.451 0.215
lab*tce 0.75 0.451 0.215
lab*nce 0.75 0.451 0.215

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 33.52 15.97
LAB*LABa 56.71 33.52 15.97
LAB*TCRa 50.0 37.13 25.48

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*tch 0.5 0.5 0.5 (1.0)
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (1.0)
lab*tce 0.5 0.5 0.5 (1.0)
lab*nce 0.5 0.5 0.5 (1.0)

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 33.51 15.97
LAB*LABa 37.36 33.51 15.97
LAB*TCRa 25.0 37.12 25.48

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*tch 0.25 0.25 0.25 (1.0)
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (1.0)
lab*tce 0.25 0.25 0.25 (1.0)
lab*nce 0.25 0.25 0.25 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 12.5 18.56 25.5
LAB*LABa 12.5 18.56 25.5
LAB*TCRa 0.01 0.0 -

relative CIELAB lab*
lab*lab 0.125 0.226 0.108
lab*tch 0.125 0.226 0.108
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.125 0.226 0.108
lab*tce 0.125 0.226 0.108
lab*nce 0.125 0.226 0.108

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 33.51 15.97
LAB*LABa 37.36 33.51 15.97
LAB*TCRa 25.0 37.12 25.48

relative CIELAB lab*
lab*lab 0.25 0.451 0.215
lab*tch 0.25 0.451 0.215
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.25 0.451 0.215
lab*tce 0.25 0.451 0.215
lab*nce 0.25 0.451 0.215

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

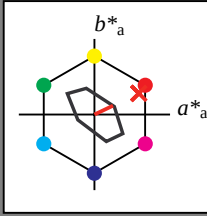
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 88.98 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 82.59 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.13 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.523 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.477 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.523 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.477 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 86.33 \ 12.27 \ 5.85$
 $LAB^*TCha \ 75.0 \ 13.59 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.647 \ 0.451 \ 0.215$
 $lab^*tch \ 0.75 \ 0.5 \ 0.071$
 $lab^*nch \ 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.647 \ 0.451 \ 0.215$
 $lab^*tce \ 0.5 \ 0.5 \ 0.0$
 $lab^*nce \ 0.0 \ 0.5 \ 0.071$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.273 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.727 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.523 \ 0.5 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.477 \ 0.5 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 79.9 \ 12.27 \ 5.85$
 $LAB^*TCha \ 79.9 \ 12.27 \ 5.85$

relative CIELAB lab*
 $lab^*lab \ 0.397 \ 0.451 \ 0.215$
 $lab^*tch \ 0.625 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.397 \ 0.451 \ 0.215$
 $lab^*tce \ 0.5 \ 0.5 \ 0.0$
 $lab^*nce \ 0.25 \ 0.5 \ 0.071$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.262 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.738 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.762 \ 0.75 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.238 \ 0.25 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 78.01 \ 6.14 \ 2.92$
 $LAB^*TCha \ 78.01 \ 6.14 \ 2.92$

relative CIELAB lab*
 $lab^*lab \ 0.323 \ 0.226 \ 0.108$
 $lab^*tch \ 0.375 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.523 \ 0.5 \ 0.5$
 relative Natural Colour (NC)
 $lab^*trj \ 0.323 \ 0.226 \ 0.108$
 $lab^*tce \ 0.375 \ 0.25 \ 0.0$
 $lab^*nce \ 0.5 \ 0.25 \ 0.071$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.012 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.988 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.762 \ 0.75 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.238 \ 0.25 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.59 \ 6.14 \ 2.92$
 $LAB^*TCha \ 12.5 \ 6.8 \ 25.45$

relative CIELAB lab*
 $lab^*lab \ 0.073 \ 0.226 \ 0.107$
 $lab^*tch \ 0.125 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.75 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.073 \ 0.226 \ 0.107$
 $lab^*tce \ 0.125 \ 0.25 \ 0.0$
 $lab^*nce \ 0.75 \ 0.25 \ 0.071$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$

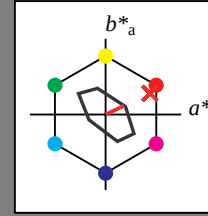
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 88.98 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 82.59 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.13 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.523 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.477 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.523 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.477 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 86.33 \ 12.27 \ 5.85$
 $LAB^*TCha \ 75.0 \ 13.59 \ 25.48$

relative CIELAB lab*
 $lab^*lab \ 0.647 \ 0.451 \ 0.215$
 $lab^*tch \ 0.75 \ 0.5 \ 0.071$
 $lab^*nch \ 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.647 \ 0.451 \ 0.215$
 $lab^*tce \ 0.5 \ 0.5 \ 0.0$
 $lab^*nce \ 0.0 \ 0.5 \ 0.071$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.273 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.727 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.523 \ 0.5 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.477 \ 0.5 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 79.9 \ 12.27 \ 5.85$
 $LAB^*TCha \ 79.9 \ 12.27 \ 5.85$

relative CIELAB lab*
 $lab^*lab \ 0.397 \ 0.451 \ 0.215$
 $lab^*tch \ 0.625 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.5 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.397 \ 0.451 \ 0.215$
 $lab^*tce \ 0.5 \ 0.5 \ 0.0$
 $lab^*nce \ 0.25 \ 0.5 \ 0.071$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.262 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.738 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.762 \ 0.75 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.238 \ 0.25 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 78.01 \ 6.14 \ 2.92$
 $LAB^*TCha \ 78.01 \ 6.14 \ 2.92$

relative CIELAB lab*
 $lab^*lab \ 0.323 \ 0.226 \ 0.108$
 $lab^*tch \ 0.375 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.523 \ 0.5 \ 0.5$
 relative Natural Colour (NC)
 $lab^*trj \ 0.323 \ 0.226 \ 0.108$
 $lab^*tce \ 0.375 \ 0.25 \ 0.0$
 $lab^*nce \ 0.5 \ 0.25 \ 0.071$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.012 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.988 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.762 \ 0.75 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.238 \ 0.25 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.59 \ 6.14 \ 2.92$
 $LAB^*TCha \ 12.5 \ 6.8 \ 25.45$

relative CIELAB lab*
 $lab^*lab \ 0.073 \ 0.226 \ 0.107$
 $lab^*tch \ 0.125 \ 0.25 \ 0.071$
 $lab^*nch \ 0.0 \ 0.75 \ 0.25 \ 0.071$
 relative Natural Colour (NC)
 $lab^*trj \ 0.073 \ 0.226 \ 0.107$
 $lab^*tce \ 0.125 \ 0.25 \ 0.0$
 $lab^*nce \ 0.75 \ 0.25 \ 0.071$

blackness n^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

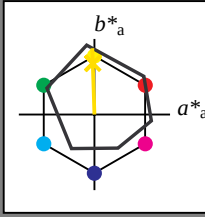
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	-0.98	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	76.06	0.0	0.0
LAB*LABc	76.06	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0
LAB*LABc	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*LABb	37.36	0.0	0.0
LAB*LABc	37.36	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	18.02	0.0	0.0
LAB*LABc	18.02	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	1.0	0.951 0.5	(1.0)
cmyn3*	0.0	0.049 0.5	(0.0)
olvi4*	1.0	0.951 0.5	1.0
cmyn4*	0.0	0.049 0.5	0.0

standard and adapted CIELAB

LAB*LAB	90.8	-2.3	48.29
LAB*LABa	90.8	-1.4	43.84
LAB*LABb	90.8	-1.4	43.84
LAB*LABc	90.8	-1.4	43.84

relative CIELAB lab*

lab*lab	0.97	-0.007 0.25	(1.0)
lab*tch	0.97	-0.007 0.25	(0.0)
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.97	0.0	0.25
lab*tce	0.97	0.0	0.25
lab*nce	0.0	0.25	1.008

relative Inform. Technology (IT)

olvi3*	0.75	0.725 0.5	(1.0)
cmyn3*	0.25	0.275 0.5	(0.0)
olvi4*	1.0	0.951 0.5	1.0
cmyn4*	0.0	0.049 0.5	0.0

standard and adapted CIELAB

LAB*LAB	73.75	-1.27	25.32
LAB*LABa	73.75	-0.69	21.92
LAB*LABb	73.75	-0.69	21.92
LAB*LABc	73.75	-0.69	21.92

relative CIELAB lab*

lab*lab	0.72	-0.007 0.25	(1.0)
lab*tch	0.72	-0.007 0.25	(0.0)
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.72	0.0	0.25
lab*tce	0.72	0.0	0.25
lab*nce	0.0	0.25	1.008

relative Inform. Technology (IT)

olvi3*	0.5	0.701 0.25	(1.0)
cmyn3*	0.25	0.299 0.75	(0.0)
olvi4*	1.0	0.951 0.5	1.0
cmyn4*	0.0	0.049 0.5	0.0

standard and adapted CIELAB

LAB*LAB	71.45	-1.52	46.38
LAB*LABa	71.45	-1.4	43.84
LAB*LABb	71.45	-1.4	43.84
LAB*LABc	71.45	-1.4	43.84

relative CIELAB lab*

lab*lab	0.69	-0.015 0.5	(1.0)
lab*tch	0.69	-0.015 0.5	(0.0)
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.69	0.0	0.5
lab*tce	0.69	0.0	0.5
lab*nce	0.0	0.5	1.008

relative Inform. Technology (IT)

olvi3*	0.25	0.451 0.0	(1.0)
cmyn3*	0.75	0.549 1.0	(0.0)
olvi4*	1.0	0.951 0.5	1.0
cmyn4*	0.0	0.049 0.5	0.0

standard and adapted CIELAB

LAB*LAB	52.1	-1.55	45.67
LAB*LABa	52.1	-1.39	43.83
LAB*LABb	52.1	-1.39	43.83
LAB*LABc	52.1	-1.39	43.83

relative CIELAB lab*

lab*lab	0.44	-0.015 0.5	(1.0)
lab*tch	0.44	-0.015 0.5	(0.0)
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.44	0.0	0.75
lab*tce	0.44	0.0	0.75
lab*nce	0.0	0.75	1.008

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

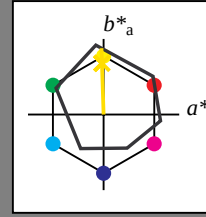
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	-0.98	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	76.06	0.0	0.0
LAB*LABc	76.06	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0
LAB*LABc	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*LABb	37.36	0.0	0.0
LAB*LABc	37.36	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	18.02	0.0	0.0
LAB*LABc	18.02	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

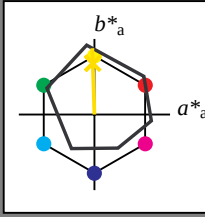
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.36 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -
relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.0 0.01 -
relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.0 0.01 -
relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.0 0.01 -
relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 -
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 1.0 0.951 0.5 (1.0)
cmyn3* 0.0 0.049 0.5 (0.0)
olvi4* 1.0 0.951 0.5 (1.0)
cmyn4* 0.0 0.049 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 90.2 2.3 48.29
LAB*LABa 90.8 -1.4 43.84
LAB*LABb 87.5 21.93 91.85
relative CIELAB lab*
lab*lab 0.97 -0.007 0.25
lab*tch 0.875 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.97 0.0 0.25
lab*tce 0.875 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.75 0.725 0.5 (1.0)
cmyn3* 0.25 0.275 0.5 (0.0)
olvi4* 1.0 0.975 0.5 (1.0)
cmyn4* 0.0 0.025 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.75 1.27 25.22
LAB*LABa 73.75 -0.69 21.92
LAB*LABb 75.0 21.93 91.84
relative CIELAB lab*
lab*lab 0.72 -0.007 0.25
lab*tch 0.625 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.72 0.0 0.25
lab*tce 0.625 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.5 0.701 0.25 (1.0)
cmyn3* 0.25 0.299 0.75 (0.0)
olvi4* 1.0 0.951 0.5 (1.0)
cmyn4* 0.0 0.049 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 71.45 -1.52 46.38
LAB*LABa 71.45 -1.4 43.84
LAB*LABb 50.0 43.87 91.84
relative CIELAB lab*
lab*lab 0.69 -0.015 0.5
lab*tch 0.625 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.69 0.0 0.5
lab*tce 0.625 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.25 0.451 0.0 (1.0)
cmyn3* 0.5 0.549 1.0 (0.0)
olvi4* 1.0 0.951 0.5 (1.0)
cmyn4* 0.0 0.049 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 52.1 -1.55 45.67
LAB*LABa 52.1 -1.39 43.83
LAB*LABb 25.01 43.86 91.84
relative CIELAB lab*
lab*lab 0.44 -0.015 0.5
lab*tch 0.25 0.5 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.44 0.0 0.5
lab*tce 0.25 0.5 0.25
lab*nce 0.0 0.25 0.25

$n^* = 0,50$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

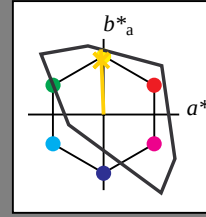
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -
relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.52 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.0 0.01 -
relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.0 0.01 -
relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.0 0.01 -
relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.01 -
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 0.75 0.706 0.5 (1.0)
cmyn3* 0.25 0.294 0.5 (0.0)
olvi4* 1.0 0.956 0.5 (1.0)
cmyn4* 0.0 0.044 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 69.01 -0.86 21.53
LAB*LABa 69.01 -0.86 21.53
LAB*LABb 62.5 21.54 92.33
relative CIELAB lab*
lab*lab 0.723 -0.009 0.25
lab*tch 0.625 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.723 0.0 0.25
lab*tce 0.625 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.5 0.456 0.25 (1.0)
cmyn3* 0.5 0.544 0.25 (0.0)
olvi4* 1.0 0.956 0.25 (1.0)
cmyn4* 0.0 0.044 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 45.16 -0.86 21.53
LAB*LABa 45.16 -0.86 21.53
LAB*LABb 37.5 21.55 92.31
relative CIELAB lab*
lab*lab 0.473 -0.009 0.25
lab*tch 0.375 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.473 0.0 0.25
lab*tce 0.375 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.25 0.206 0.0 (1.0)
cmyn3* 0.75 0.794 1.0 (0.0)
olvi4* 1.0 0.956 0.75 (0.0)
cmyn4* 0.0 0.044 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 21.31 -0.86 21.52
LAB*LABa 21.31 -0.86 21.52
LAB*LABb 12.5 21.54 92.31
relative CIELAB lab*
lab*lab 0.223 -0.009 0.25
lab*tch 0.125 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.223 0.0 0.25
lab*tce 0.125 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.01 -
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 0,50$

TLS00; adapted (a) CIELAB data

for hue $h^* = lab^*h = 92/360 = 0.256$

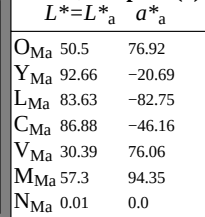
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 0.956 0.75 (1.0)
cmyn3* 0.0 0.044 0.25 (0.0)
olvi4* 1.0 0.956 0.75 (1.0)
cmyn4* 0.0 0.044 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 92.86 -0.87 21.53
LAB*LABa 92.86 -0.87 21.53
LAB*LABb 87.5 21.54 92.33
relative CIELAB lab*
lab*lab 0.973 -0.009 0.25
lab*tch 0.875 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.973 0.0 0.25
lab*tce 0.875 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.75 0.912 0.5 (1.0)
cmyn3* 0.0 0.088 0.5 (0.0)
olvi4* 1.0 0.912 0.5 (1.0)
cmyn4* 0.0 0.088 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 90.31 -1.74 43.06
LAB*LABa 90.31 -1.74 43.06
LAB*LABb 75.0 43.09 92.32
relative CIELAB lab*
lab*lab 0.947 -0.019 0.499
lab*tch 0.75 0.5 0.25
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*trj 0.947 0.0 0.5
lab*tce 0.75 0.5 0.25
lab*nce 0.0 0.5 0.25

relative Inform. Technology (IT)
olvi3* 0.5 0.625 0.25 (1.0)
cmyn3* 0.25 0.375 0.75 (0.0)
olvi4* 1.0 0.912 0.5 (1.0)
cmyn4* 0.0 0.088 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 66.47 -1.73 43.06
LAB*LABa 66.47 -1.73 43.06
LAB*LABb 50.0 43.1 92.31
relative CIELAB lab*
lab*lab 0.723 -0.009 0.25
lab*tch 0.625 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.723 0.0 0.25
lab*tce 0.625 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.25 0.456 0.25 (1.0)
cmyn3* 0.5 0.544 0.25 (0.0)
olvi4* 1.0 0.956 0.25 (1.0)
cmyn4* 0.0 0.044 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 45.16 -0.86 21.53
LAB*LABa 45.16 -0.86 21.53
LAB*LABb 37.5 21.55 92.31
relative CIELAB lab*
lab*lab 0.473 -0.009 0.25
lab*tch 0.375 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.473 0.0 0.25
lab*tce 0.375 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.01 -
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 0,50$

TLS00; adapted (a) CIELAB data

for hue $h^* = lab^*h = 92/360 = 0.256$

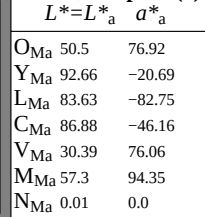
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 0.956 0.75 (1.0)
cmyn3* 0.0 0.044 0.25 (0.0)
olvi4* 1.0 0.956 0.75 (1.0)
cmyn4* 0.0 0.044 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 92.86 -0.87 21.53
LAB*LABa 92.86 -0.87 21.53
LAB*LABb 87.5 21.54 92.33
relative CIELAB lab*
lab*lab 0.973 -0.009 0.25
lab*tch 0.875 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.973 0.0 0.25
lab*tce 0.875 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.75 0.912 0.5 (1.0)
cmyn3* 0.0 0.088 0.5 (0.0)
olvi4* 1.0 0.912 0.5 (1.0)
cmyn4* 0.0 0.088 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 90.31 -1.74 43.06
LAB*LABa 90.31 -1.74 43.06
LAB*LABb 75.0 43.09 92.32
relative CIELAB lab*
lab*lab 0.947 -0.019 0.499
lab*tch 0.75 0.5 0.25
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*trj 0.947 0.0 0.5
lab*tce 0.75 0.5 0.25
lab*nce 0.0 0.5 0.25

relative Inform. Technology (IT)
olvi3* 0.5 0.625 0.25 (1.0)
cmyn3* 0.25 0.375 0.75 (0.0)
olvi4* 1.0 0.912 0.5 (1.0)
cmyn4* 0.0 0.088 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 66.47 -1.73 43.06
LAB*LABa 66.47 -1.73 43.06
LAB*LABb 50.0 43.1 92.31
relative CIELAB lab*
lab*lab 0.723 -0.009 0.25
lab*tch 0.625 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.723 0.0 0.25
lab*tce 0.625 0.25

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

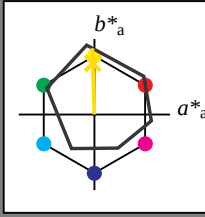
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	-0.36	4.75	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	75.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*LABb	50.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	
LAB*LABa	37.36	0.0	0.0	
LAB*LABb	25.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.75	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*LABb	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)				
olvi3*	1.0	0.951 0.5	(1.0)	
cmyn3*	0.0	0.049 0.5	(0.0)	
olvi4*	1.0	0.951 0.5	(1.0)	
cmyn4*	0.0	0.049 0.5	(0.0)	
standard and adapted CIELAB				
LAB*LAB	90.24	-0.44	2.45	
LAB*LABa	90.8	-1.4	43.84	
LAB*LABb	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.97	-0.007 0.25		
lab*tch	0.875	0.25	0.255	
lab*nch	0.0	0.25	0.255	
relative Natural Colour (NC)				
lab*trj	0.97	0.0	0.25	
lab*tce	0.875	0.25	0.25	
lab*nce	0.0	0.25	0.25	

relative Inform. Technology (IT)				
olvi3*	0.75	0.725 0.5	(1.0)	
cmyn3*	0.25	0.275 0.5	(0.0)	
olvi4*	1.0	0.975 0.5	(1.0)	
cmyn4*	0.0	0.025 0.5	(0.0)	
standard and adapted CIELAB				
LAB*LAB	73.75	-1.27	25.22	
LAB*LABa	73.75	-0.69	21.92	
LAB*LABb	62.5	0.01	-	
relative CIELAB lab*				
lab*lab	0.72	-0.007 0.25		
lab*tch	0.625	0.25	0.255	
lab*nch	0.25	0.25	0.255	
relative Natural Colour (NC)				
lab*trj	0.72	0.0	0.25	
lab*tce	0.625	0.25	0.25	
lab*nce	0.25	0.25	0.25	

relative Inform. Technology (IT)				
olvi3*	0.5	0.701 0.25	(1.0)	
cmyn3*	0.25	0.299 0.75	(0.0)	
olvi4*	1.0	0.951 0.5	(1.0)	
cmyn4*	0.0	0.049 0.5	(0.0)	
standard and adapted CIELAB				
LAB*LAB	71.45	-1.52	46.38	
LAB*LABa	71.45	-1.4	43.84	
LAB*LABb	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.69	-0.015 0.5		
lab*tch	0.625	0.25	0.255	
lab*nch	0.25	0.25	0.255	
relative Natural Colour (NC)				
lab*trj	0.69	0.0	0.5	
lab*tce	0.625	0.25	0.25	
lab*nce	0.25	0.25	0.25	

relative Inform. Technology (IT)				
olvi3*	0.25	0.451 0.0	(1.0)	
cmyn3*	0.75	0.549 1.0	(0.0)	
olvi4*	1.0	0.951 0.5	(1.0)	
cmyn4*	0.0	0.049 0.5	(0.0)	
standard and adapted CIELAB				
LAB*LAB	52.1	-1.39	43.83	
LAB*LABa	52.1	-1.39	43.83	
LAB*LABb	25.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.44	-0.015 0.5		
lab*tch	0.25	0.5	0.255	
lab*nch	0.75	0.5	0.255	
relative Natural Colour (NC)				
lab*trj	0.44	0.0	0.25	
lab*tce	0.25	0.5	0.25	
lab*nce	0.75	0.5	0.25	

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 92/360 = 0.256$

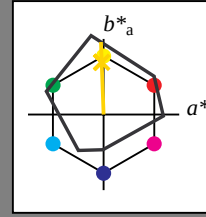
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	96.31	-0.11	2.58	
LAB*LABa	96.31	0.0	0.0	
LAB*LABb	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	
LAB*LABa	76.38	0.0	0.0	
LAB*LABb	75.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	
LAB*LABa	56.44	0.0	0.0	
LAB*TChO	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.		

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

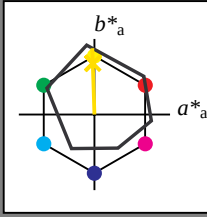
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	-0.36	4.75	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	95.41	0.0	0.0	
LAB*LABc	95.41	0.0	0.0	
LAB*LABd	95.41	0.0	0.0	
LAB*LABe	95.41	0.0	0.0	
LAB*LABf	95.41	0.0	0.0	
LAB*LABg	95.41	0.0	0.0	
LAB*LABh	95.41	0.0	0.0	
LAB*LABi	95.41	0.0	0.0	
LAB*LABj	95.41	0.0	0.0	
LAB*LABk	95.41	0.0	0.0	
LAB*LABl	95.41	0.0	0.0	
LAB*LABm	95.41	0.0	0.0	
LAB*LABn	95.41	0.0	0.0	
LAB*LABo	95.41	0.0	0.0	
LAB*LABp	95.41	0.0	0.0	
LAB*LABq	95.41	0.0	0.0	
LAB*LABr	95.41	0.0	0.0	
LAB*LABs	95.41	0.0	0.0	
LAB*LABt	95.41	0.0	0.0	
LAB*LABu	95.41	0.0	0.0	
LAB*LABv	95.41	0.0	0.0	
LAB*LABw	95.41	0.0	0.0	
LAB*LABx	95.41	0.0	0.0	
LAB*LABy	95.41	0.0	0.0	
LAB*LABz	95.41	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	76.06	0.0	0.0	
LAB*LABc	76.06	0.0	0.0	
LAB*LABd	76.06	0.0	0.0	
LAB*LABe	76.06	0.0	0.0	
LAB*LABf	76.06	0.0	0.0	
LAB*LABg	76.06	0.0	0.0	
LAB*LABh	76.06	0.0	0.0	
LAB*LABi	76.06	0.0	0.0	
LAB*LABj	76.06	0.0	0.0	
LAB*LABk	76.06	0.0	0.0	
LAB*LABl	76.06	0.0	0.0	
LAB*LABm	76.06	0.0	0.0	
LAB*LABn	76.06	0.0	0.0	
LAB*LABo	76.06	0.0	0.0	
LAB*LABp	76.06	0.0	0.0	
LAB*LABq	76.06	0.0	0.0	
LAB*LABr	76.06	0.0	0.0	
LAB*LABs	76.06	0.0	0.0	
LAB*LABt	76.06	0.0	0.0	
LAB*LABu	76.06	0.0	0.0	
LAB*LABv	76.06	0.0	0.0	
LAB*LABw	76.06	0.0	0.0	
LAB*LABx	76.06	0.0	0.0	
LAB*LABy	76.06	0.0	0.0	
LAB*LABz	76.06	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*LABb	56.71	0.0	0.0	
LAB*LABc	56.71	0.0	0.0	
LAB*LABd	56.71	0.0	0.0	
LAB*LABe	56.71	0.0	0.0	
LAB*LABf	56.71	0.0	0.0	
LAB*LABg	56.71	0.0	0.0	
LAB*LABh	56.71	0.0	0.0	
LAB*LABi	56.71	0.0	0.0	
LAB*LABj	56.71	0.0	0.0	
LAB*LABk	56.71	0.0	0.0	
LAB*LABl	56.71	0.0	0.0	
LAB*LABm	56.71	0.0	0.0	
LAB*LABn	56.71	0.0	0.0	
LAB*LABo	56.71	0.0	0.0	
LAB*LABp	56.71	0.0	0.0	
LAB*LABq	56.71	0.0	0.0	
LAB*LABr	56.71	0.0	0.0	
LAB*LABs	56.71	0.0	0.0	
LAB*LABt	56.71	0.0	0.0	
LAB*LABu	56.71	0.0	0.0	
LAB*LABv	56.71	0.0	0.0	
LAB*LABw	56.71	0.0	0.0	
LAB*LABx	56.71	0.0	0.0	
LAB*LABy	56.71	0.0	0.0	
LAB*LABz	56.71	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	
LAB*LABa	37.36	0.0	0.0	
LAB*LABb	37.36	0.0	0.0	
LAB*LABc	37.36	0.0	0.0	
LAB*LABd	37.36	0.0	0.0	
LAB*LABe	37.36	0.0	0.0	
LAB*LABf	37.36	0.0	0.0	
LAB*LABg	37.36	0.0	0.0	
LAB*LABh	37.36	0.0	0.0	
LAB*LABi	37.36	0.0	0.0	
LAB*LABj	37.36	0.0	0.0	
LAB*LABk	37.36	0.0	0.0	
LAB*LABl	37.36	0.0	0.0	
LAB*LABm	37.36	0.0	0.0	
LAB*LABn	37.36	0.0	0.0	
LAB*LABo	37.36	0.0	0.0	
LAB*LABp	37.36	0.0	0.0	
LAB*LABq	37.36	0.0	0.0	
LAB*LABr	37.36	0.0	0.0	
LAB*LABs	37.36	0.0	0.0	
LAB*LABt	37.36	0.0	0.0	
LAB*LABu	37.36	0.0	0.0	
LAB*LABv	37.36	0.0	0.0	
LAB*LABw	37.36	0.0	0.0	
LAB*LABx	37.36	0.0	0.0	
LAB*LABy	37.36	0.0	0.0	
LAB*LABz	37.36	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*LABb	18.02	0.0	0.0	
LAB*LABc	18.02	0.0	0.0	
LAB*LABd	18.02	0.0	0.0	
LAB*LABe	18.02	0.0	0.0	
LAB*LABf	18.02	0.0	0.0	
LAB*LABg	18.02	0.0	0.0	
LAB*LABh	18.02	0.0	0.0	
LAB*LABi	18.02	0.0	0.0	
LAB*LABj	18.02	0.0	0.0	
LAB*LABk	18.02	0.0	0.0	
LAB*LABl	18.02	0.0	0.0	
LAB*LABm	18.02	0.0	0.0	
LAB*LABn	18.02	0.0	0.0	
LAB*LABo	18.02	0.0	0.0	
LAB*LABp	18.02	0.0	0.0	
LAB*LABq	18.02	0.0	0.0	
LAB*LABr	18.02	0.0	0.0	
LAB*LABs	18.02	0.0	0.0	
LAB*LABt	18.02	0.0	0.0	
LAB*LABu	18.02	0.0	0.0	
LAB*LABv	18.02	0.0	0.0	
LAB*LABw	18.02	0.0	0.0	
LAB*LABx	18.02	0.0	0.0	
LAB*LABy	18.02	0.0	0.0	
LAB*LABz	18.02	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.0	0.0	0.0	
LAB*LABa	0.0	0.0	0.0	
LAB*LABb	0.0	0.0	0.0	
LAB*LABc	0.0	0.0	0.0	
LAB*LABd	0.0	0.0	0.0	
LAB*LABe	0.0	0.0	0.0	
LAB*LABf	0.0	0.0	0.0	
LAB*LABg	0.0	0.0	0.0	
LAB*LABh	0.0	0.0	0.0	
LAB*LABi	0.0	0.0	0.0	
LAB*LABj	0.0	0.0	0.0	
LAB*LABk	0.0	0.0	0.0	
LAB*LABl	0.0	0.0	0.0	
LAB*LABm	0.0	0.0	0.0	
LAB*LABn	0.0	0.0	0.0	
LAB*LABo	0.0	0.0	0.0	
LAB*LABp	0.0	0.0	0.0	
LAB*LABq	0.0	0.0	0.0	
LAB*LABr	0.0	0.0	0.0	
LAB*LABs	0.0	0.0	0.0	
LAB*LABt	0.0	0.0	0.0	
LAB*LABu	0.0	0.0	0.0	
LAB*LABv	0.0	0.0	0.0	
LAB*LABw	0.0	0.0	0.0	
LAB*LABx	0.0	0.0	0.0	
LAB*LABy	0.0	0.0	0.0	
LAB*LABz	0.0	0.0	0.0	

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)				
olvi3*	1.0	0.951 0.5	(1.0)	
cmyn3*	0.0	0.049 0.5	(0.0)	
olvi4*	1.0	0.951 0.5	(1.0)	
cmyn4*	0.0	0.049 0.5	(0.0)	
standard and adapted CIELAB				
LAB*LAB	90.2	-2.3	48.29	
LAB*LABa	90.2	-1.4	43.84	
LAB*LABb	90.2	-1.4	43.84	
LAB*LABc	90.2	-1.4	43.84	
LAB*LABd	90.2	-1.4	43.84	
LAB*LABe	90.2	-1.4	43.84	
LAB*LABf	90.2	-1.4	43.84	
LAB*LABg	90.2	-1.4	43.84	
LAB*LABh	90.2	-1.4	43.84	
LAB*LABi	90.2	-1.4	43.84	
LAB*LABj	90.2	-1.4	43.84	
LAB*LABk	90.2	-1.4	43.84	
LAB*LABl	90.2	-1.4	43.84	
LAB*LABm	90.2	-1.4	43.84	
LAB*LABn	90.2	-1.4	43.84	
LAB*LABo	90.2	-1.4	43.84	
LAB*LABp	90.2	-1.4	43.84	
LAB*LABq	90.2	-1.4	43.84	
LAB*LABr	90.2	-1.4	43.84	
LAB*LABs	90.2	-1.4	43.84	
LAB*LABt	90.2	-1.4	43.84	
LAB*LABu	90.2	-1.4	43.84	
LAB*LABv	90.2	-1.4	43.84	
LAB*LABw	90.2	-1.4	43.84	
LAB*LABx	90.2	-1.4	43.84	
LAB*LABy	90.2	-1.4	43.84	
LAB*LABz	90.2	-1.4	43.84	

relative Inform. Technology (IT)				
----------------------------------	--	--	--	--

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

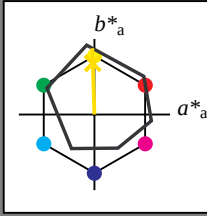
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	-0.36	4.75
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.25)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.5)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.75)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	1.0	0.951	0.5	(1.0)
cmyn3*	0.0	0.049	0.5	(0.0)
olvi4*	1.0	0.951	0.5	(1.0)
cmyn4*	0.0	0.049	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	90.2	-2.3	48.29
LAB*LABa	90.8	-1.4	43.84
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.97	-0.007	0.25
lab*tch	0.875	0.25	0.25
lab*nch	0.0	0.5	0.25

relative Natural Colour (NC)

lab*trj	0.97	0.0	0.25
lab*tce	0.875	0.25	0.25
lab*nce	0.0	0.5	0.25

relative Inform. Technology (IT)

olvi3*	0.75	0.725	0.5	(1.0)
cmyn3*	0.25	0.275	0.5	(0.0)
olvi4*	1.0	0.975	0.5	(1.0)
cmyn4*	0.0	0.025	0.5	(0.25)

standard and adapted CIELAB

LAB*LAB	73.75	-1.27	25.22
LAB*LABa	73.75	-0.69	21.92
LAB*TCRa	62.5	0.01	-

relative CIELAB lab*

lab*lab	0.72	-0.007	0.25
lab*tch	0.625	0.25	0.25
lab*nch	0.25	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.72	0.0	0.25
lab*tce	0.625	0.25	0.25
lab*nce	0.25	0.25	0.25

relative Inform. Technology (IT)

olvi3*	0.5	0.701	0.25	(1.0)
cmyn3*	0.25	0.299	0.75	(0.0)
olvi4*	1.0	0.951	0.5	(1.0)
cmyn4*	0.0	0.049	0.5	(0.25)

standard and adapted CIELAB

LAB*LAB	71.45	-1.52	46.38
LAB*LABa	71.45	-1.4	43.84
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.69	-0.015	0.5
lab*tch	0.625	0.25	0.25
lab*nch	0.25	0.5	0.25

relative Natural Colour (NC)

lab*trj	0.69	0.0	0.5
lab*tce	0.625	0.25	0.25
lab*nce	0.25	0.5	0.25

relative Inform. Technology (IT)

olvi3*	0.5	0.451	0.0	(1.0)
cmyn3*	0.5	0.549	1.0	(0.0)
olvi4*	1.0	0.951	0.5	(1.0)
cmyn4*	0.0	0.049	0.5	(0.5)

standard and adapted CIELAB

LAB*LAB	52.1	-1.55	45.67
LAB*LABa	52.1	-1.39	43.83
LAB*TCRa	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.44	-0.015	0.5
lab*tch	0.25	0.5	0.25
lab*nch	0.5	0.5	0.25

relative Natural Colour (NC)

lab*trj	0.44	0.0	0.5
lab*tce	0.25	0.5	0.25
lab*nce	0.5	0.5	0.25

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

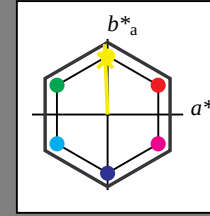
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	-0.36	4.75
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.25)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCRa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.5)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCRa	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.75)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCRa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCRa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.989	1.0	0.75	(1.0)
cmyn3*	0.011	0.0	0.25	(0.0)
olvi4*	0.989	1.0	0.75	(1.0)
cmyn4*	0.011	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	87.09	-0.52	23.3
LAB*LABa	87.09	-0.52	23.3
LAB*TCRa	87.5	0.01	-

relative CIELAB lab*

lab*lab	0.913	-0.009	0.25
lab*tch	0.875	0.25	0.25
lab*nch	0.0	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.913	0.0	0.25
lab*tce	0.875	0.25	0.25
lab*nce	0.0	0.25	0.25

relative Inform. Technology (IT)

olvi3*	0.739	0.75	0.5	(1.0)
cmyn3*	0.261	0.25	0.5	(0.0)
olvi4*	0.989	1.0	0.75	(1.0)
cmyn4*	0.011	0.0	0.25	(0.25)

standard and adapted CIELAB

LAB*LAB	63.25	-0.53	23.31
LAB*LABa	63.25	-0.53	23.31
LAB*TCRa	62.5	0.01	-

relative CIELAB lab*

lab*lab	0.663	-0.009	0.25
lab*tch	0.625	0.25	0.25
lab*nch	0.25	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.663	0.0	0.25
lab*tce	0.625	0.25	0.25
lab*nce	0.25	0.25	0.25

relative Inform. Technology (IT)

olvi3*	0.489	0.5	0.25	(1.0)
cmyn3*	0.511	0.5	0.25	(0.0)
olvi4*	0.989	1.0	0.75	(1.0)
cmyn4*	0.011	0.0	0.25	(0.5)

standard and adapted CIELAB

LAB*LAB	39.4	-0.93	23.31
LAB*LABa	39.4	-0.93	23.31
LAB*TCRa	37.5	0.01	-

relative C

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

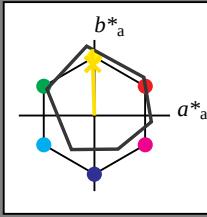
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	-0.36	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.25)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.5)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.75)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	1.0	0.951 0.5	(1.0)
cmyn3*	0.0	0.049 0.5	(0.0)
olvi4*	1.0	0.951 0.5	(1.0)
cmyn4*	0.0	0.049 0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	90.2	-2.3	48.29
LAB*LABa	90.8	-1.4	43.84
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.9	-0.0015 0.5	(1.0)
lab*tch	0.95	0.5	0.255
lab*nch	0.0	0.5	0.255

relative Natural Colour (NC)

lab*trj	0.9	0.5	0.25
lab*tce	0.75	0.25	0.25
lab*nce	0.0	0.5	0.008

relative Inform. Technology (IT)

olvi3*	0.75	0.725 0.5	(1.0)
cmyn3*	0.25	0.275 0.5	(0.0)
olvi4*	1.0	0.975 0.75	(1.0)
cmyn4*	0.0	0.025 0.25	(0.25)

standard and adapted CIELAB

LAB*LAB	73.75	-1.27	25.22
LAB*LABa	73.75	-0.69	21.92
LAB*LABb	62.5	21.93	91.85

relative CIELAB lab*

lab*lab	0.72	-0.007 0.25	(1.0)
lab*tch	0.625	0.25	0.255
lab*nch	0.25	0.25	0.255

relative Natural Colour (NC)

lab*trj	0.72	0.0	0.25
lab*tce	0.625	0.25	0.25
lab*nce	0.25	0.25	0.999

relative Inform. Technology (IT)

olvi3*	0.5	0.701 0.25	(1.0)
cmyn3*	0.25	0.299 0.75	(0.0)
olvi4*	1.0	0.951 0.5	(1.0)
cmyn4*	0.0	0.049 0.5	(0.25)

standard and adapted CIELAB

LAB*LAB	71.45	-1.52	46.38
LAB*LABa	71.45	-1.4	43.84
LAB*LABb	50.0	43.87	91.84

relative CIELAB lab*

lab*lab	0.69	-0.015 0.5	(1.0)
lab*tch	0.625	0.5	0.255
lab*nch	0.25	0.5	0.255

relative Natural Colour (NC)

lab*trj	0.69	0.0	0.5
lab*tce	0.5	0.5	0.25
lab*nce	0.25	0.5	0.999

relative Inform. Technology (IT)

olvi3*	0.25	0.451 0.0	(1.0)
cmyn3*	0.75	0.549 1.0	(0.0)
olvi4*	1.0	0.951 0.5	(1.0)
cmyn4*	0.0	0.049 0.5	(0.5)

standard and adapted CIELAB

LAB*LAB	52.1	-1.55	45.67
LAB*LABa	52.1	-1.39	43.83
LAB*LABb	25.01	43.86	91.84

relative CIELAB lab*

lab*lab	0.44	-0.015 0.5	(1.0)
lab*tch	0.25	0.5	0.255
lab*nch	0.5	0.5	0.255

relative Natural Colour (NC)

lab*trj	0.44	0.0	0.25
lab*tce	0.25	0.5	0.25
lab*nce	0.5	0.5	0.999

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

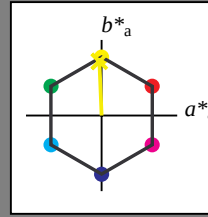
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.25)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.5)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.75)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.989	1.0	0.75	(1.0)
cmyn3*	0.011	0.0	0.25	(0.0)
olvi4*	0.989	1.0	0.75	(1.0)
cmyn4*	0.011	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	88.66	-0.75	18.91
LAB*LABa	88.66	-0.75	18.91
LAB*LABb	87.5	18.92	92.29

relative CIELAB lab*

lab*lab	0.913	-0.009 0.25	(1.0)
lab*tch	0.875	0.25	0.256
lab*nch	0.0	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.913	0.0	0.25
lab*tce	0.875	0.25	0.25
lab*nce	0.0	0.25	0.999

0.75	0.75
-0.029	0.749
0.75	0.256
0.75	0.256
our (NC)	
0.0	0.75
0.75	0.25
0.75	r99j

nnology (IT)	
0.0	(1.0)
1.0	(0.0)
0.25	0.75
0.75	0.25

I CIELAB	
-2.28	56.72

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

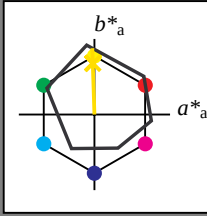
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	-0.36	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*trc	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*trc	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.01	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*trc	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*LABb	25.01	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*trc	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*trc	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.975	0.75	(1.0)
cmyn3*	0.0	0.025	0.25	(0.0)
olvi4*	1.0	0.975	0.75	(1.0)
cmyn4*	0.0	0.025	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	93.1	1.64	26.52
LAB*LABa	93.1	-0.7	21.92
LAB*LABb	87.5	21.93	91.85

relative CIELAB lab*

lab*lab	0.97	-0.007	0.25
lab*tch	0.975	0.25	0.25
lab*nch	0.0	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.97	0.0	0.25
lab*trc	0.975	0.25	0.25
lab*nce	0.0	0.25	0.008

relative Inform. Technology (IT)

olvi3*	0.75	0.725	0.5	(1.0)
cmyn3*	0.25	0.275	0.5	(0.0)
olvi4*	1.0	0.975	0.75	(1.0)
cmyn4*	0.0	0.025	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	73.75	1.27	25.22
LAB*LABa	73.75	-0.69	21.92
LAB*LABb	62.5	21.93	91.84

relative CIELAB lab*

lab*lab	0.72	-0.007	0.25
lab*tch	0.625	0.25	0.25
lab*nch	0.25	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.72	0.0	0.25
lab*trc	0.625	0.25	0.25
lab*nce	0.25	0.25	0.99

relative Inform. Technology (IT)

olvi3*	0.5	0.701	0.25	(1.0)
cmyn3*	0.25	0.299	0.75	(0.0)
olvi4*	1.0	0.975	0.75	(1.0)
cmyn4*	0.0	0.049	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	71.45	-1.52	46.38
LAB*LABa	71.45	-1.4	43.84
LAB*LABb	50.0	43.87	91.84

relative CIELAB lab*

lab*lab	0.69	-0.015	0.5
lab*tch	0.625	0.5	0.25
lab*nch	0.25	0.5	0.25

relative Natural Colour (NC)

lab*trj	0.69	0.0	0.5
lab*trc	0.625	0.5	0.25
lab*nce	0.25	0.5	0.99

relative Inform. Technology (IT)

olvi3*	0.5	0.475	0.25	(1.0)
cmyn3*	0.5	0.525	0.25	(0.0)
olvi4*	1.0	0.975	0.75	(1.0)
cmyn4*	0.0	0.025	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	54.4	-0.89	23.91
LAB*LABa	54.4	-0.69	21.92
LAB*LABb	37.5	21.93	91.84

relative CIELAB lab*

lab*lab	0.47	-0.007	0.25
lab*tch	0.375	0.25	0.25
lab*nch	0.5	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.47	0.0	0.25
lab*trc	0.375	0.25	0.25
lab*nce	0.5	0.25	0.99

relative Inform. Technology (IT)

olvi3*	0.25	0.225	0.0	(1.0)
cmyn3*	0.75	0.775	1.0	(0.0)
olvi4*	1.0	0.975	0.75	(1.0)
cmyn4*	0.0	0.025	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	35.06	-0.52	22.59
LAB*LABa	35.06	-0.69	21.91
LAB*LABb	12.5	21.92	91.83

relative CIELAB lab*

lab*lab	0.22	-0.007	0.25
lab*tch	0.225	0.25	0.25
lab*nch	0.75	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.22	0.0	0.25
lab*trc	0.225	0.25	0.25
lab*nce	0.75	0.25	0.99

relative Inform. Technology (IT)

olvi3*	1.0	0.951	0.5	(1.0)
cmyn3*	0.0	0.049	0.5	(0.0)
olvi4*	1.0	0.951	0.5	(1.0)
cmyn4*	0.0	0.049	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	90.2	2.3	48.29
LAB*LABa	90.8	-1.4	43.84
LAB*LABb	75.0	43.86	91.85

relative CIELAB lab*

lab*lab	0.94	-0.015	0.5
lab*tch	0.95	0.5	0.25
lab*nch	0.0	0.5	0.25

relative Natural Colour (NC)

lab*trj	0.91	0.0	0.25
lab*trc	0.95	0.5	0.25
lab*nce	0.0	0.5	0.008

relative Inform. Technology (IT)

olvi3*	1.0	0.926	0.25	(1.0)
cmyn3*	0.0	0.074	0.75	(0.0)
olvi4*	1.0	0.926	0.25	(1.0)
cmyn4*	0.0	0.074	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	88.49	-2.36	70.03
LAB*LABa	88.49	-2.11	65.76
LAB*LABb	62.5	65.79	91.84

relative CIELAB lab*

lab*lab	0.911	-0.023	0.75
lab*tch	0.925	0.75	0.25
lab*nch	0.0	0.75	0.25

relative Natural Colour (NC)

lab*trj	0.911	0.0	0.75
lab*trc	0.925	0.75	0.25
lab*nce	0.0	0.75	0.008

relative Inform. Technology (IT)

olvi3*	0.75	0.676	0.0	(1.0)
cmyn3*	0.25	0.324	1.0	(0.0)
olvi4*	1.0	0.926	0.25	(1.0)
cmyn4*	0.0	0.074	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	69.14	-2.36	68.74
LAB*LABa	69.14	-2.1	65.76
LAB*LABb	37.51	65.79	91.84

relative CIELAB lab*

lab*lab	0.661	-0.023	0.75
lab*tch	0.675	0.75	0.25
lab*nch	0.25	0.75	0.25

relative Natural Colour (NC)

lab*trj	0.661	0.0	0.75
lab*trc	0.675	0.75	0.25
lab*nce	0.25	0.75	0.99

relative Inform. Technology (IT)

olvi3*	0.5	0.451	0.0	(1.0)
cmyn3*	0.5	0.549	1.0	(0.0)
olvi4*	1.0	0.951	0.5	(1.0)
cmyn4*	0.0	0.049	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	52.1	-1.55	45.67
LAB*LABa	52.1	-1.39	43.83
LAB*LABb	25.01	43.86	91.84

relative CIELAB lab*

lab*lab	0.44	-0.015	0.5
lab*tch	0.25	0.5	0.25
lab*nch	0.5	0.5	0.25

relative Natural Colour (NC)

lab*trj	0.44	0.0	0.25
lab*trc	0.25	0.5	0.25
lab*nce	0.5	0.5	0.99

relative Inform. Technology (IT)

olvi3*	0.25	0.225	0.0	(1.0)
cmyn3*	0.75	0.775	1.0	(0.0)
olvi4*	1.0	0.975	0.75	(1.0)
cmyn4*	0.0	0.025	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	35.06	-0.52	22.59
LAB*LABa	35.06	-0.69	21.91
LAB*LABb	12.5	21.92	91.83

relative CIELAB lab*

lab*lab	0.22	-0.007	0.25
lab*tch	0.225	0.25	0.25
lab*nch	0.75	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.22	0.0	0.25
lab*trc	0.225	0.25	0.25
lab*nce	0.75	0.25	0.99

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0.75

$n^* = 0.00$

0.25

blackness n^*

$n^* = 0.25$

$n^* = 0.50$

0.75

1.00

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

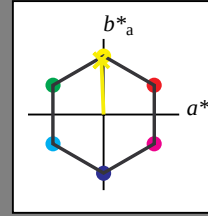
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*trc	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*trc	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.01	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
---------	-----	-----	-----

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

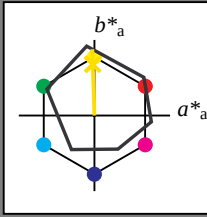
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	-0.36	4.75	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	75.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*LABb	50.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	
LAB*LABa	37.36	0.0	0.0	
LAB*LABb	25.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.75	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*LABb	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

relative Inform. Technology (IT)				
olvi3*	1.0	0.951 0.5	(1.0)	
cmyn3*	0.0	0.049 0.5	(0.0)	
olvi4*	1.0	0.951 0.5	(1.0)	
cmyn4*	0.0	0.049 0.5	(0.0)	
standard and adapted CIELAB				
LAB*LAB	90.2	-2.3	48.29	
LAB*LABa	90.8	-1.4	43.84	
LAB*LABb	75.0	0.0	43.86	
relative CIELAB lab*				
lab*lab	0.94	-0.015 0.5		
lab*tch	0.94	0.5	0.255	
lab*nch	0.0	0.5	0.255	
relative Natural Colour (NC)				
lab*trj	0.94	0.0	0.25	
lab*tce	0.0	0.5	0.25	
lab*nce	0.0	0.5	0.25	

relative Inform. Technology (IT)				
olvi3*	0.75	0.701 0.25	(1.0)	
cmyn3*	0.25	0.299 0.75	(0.0)	
olvi4*	1.0	0.951 0.5	(1.0)	
cmyn4*	0.0	0.049 0.5	(0.0)	
standard and adapted CIELAB				
LAB*LAB	71.45	-1.52	46.38	
LAB*LABa	71.45	-1.4	43.84	
LAB*LABb	50.0	0.0	43.87	
relative CIELAB lab*				
lab*lab	0.69	-0.015 0.5		
lab*tch	0.69	0.5	0.255	
lab*nch	0.25	0.5	0.255	
relative Natural Colour (NC)				
lab*trj	0.69	0.0	0.25	
lab*tce	0.25	0.5	0.25	
lab*nce	0.25	0.5	0.25	

relative Inform. Technology (IT)				
olvi3*	0.5	0.451 0.0	(1.0)	
cmyn3*	0.5	0.549 1.0	(0.0)	
olvi4*	1.0	0.951 0.5	(1.0)	
cmyn4*	0.0	0.049 0.5	(0.0)	
standard and adapted CIELAB				
LAB*LAB	52.1	-1.55	45.67	
LAB*LABa	52.1	-1.39	43.83	
LAB*LABb	25.01	0.0	43.86	
relative CIELAB lab*				
lab*lab	0.44	-0.015 0.5		
lab*tch	0.44	0.5	0.255	
lab*nch	0.5	0.5	0.255	
relative Natural Colour (NC)				
lab*trj	0.44	0.0	0.25	
lab*tce	0.5	0.5	0.25	
lab*nce	0.5	0.5	0.25	

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	0.25	0.225 0.0	(1.0)	
cmyn3*	0.75	0.775 1.0	(0.0)	
olvi4*	1.0	0.975 0.75	(1.0)	
cmyn4*	0.0	0.025 0.25	(0.0)	
standard and adapted CIELAB				
LAB*LAB	35.06	-0.52	22.59	
LAB*LABa	35.06	-0.69	21.91	
LAB*LABb	12.5	0.0	21.92	
relative CIELAB lab*				
lab*lab	0.22	-0.007 0.25		
lab*tch	0.22	0.75	0.255	
lab*nch	0.75	0.25	0.255	
relative Natural Colour (NC)				
lab*trj	0.22	0.0	0.25	
lab*tce	0.75	0.25	0.25	
lab*nce	0.75	0.25	0.25	

$n^* = 0,25$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*LABb	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

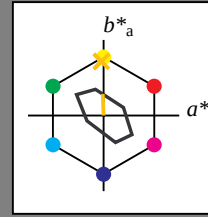
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	
LAB*LABa	88.98	0.0	0.0	
LAB*LABb	75.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.56	0.0	0.0	
LAB*LABa	82.56	0.0	0.0	
LAB*TCha	50.0	0.0	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*ch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*ch	0.5	0.0	-	
lab*nch	0.5	0.0	-	

Input: Colorimetric Transmissive System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

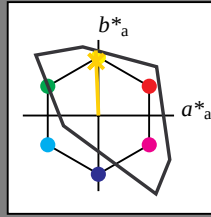
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCHa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	
LAB*TCHa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*TCHa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	
LAB*LABa	23.87	0.0	0.0	
LAB*TCHa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCHa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	1.0	0.956	0.75	(1.0)
cmyn3*	0.0	0.044	0.25	(0.0)
olvi4*	1.0	0.956	0.75	1.0
cmyn4*	0.0	0.044	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	92.86	-0.87	21.53	
LAB*LABa	92.86	-0.87	21.53	
LAB*TCHa	87.5	-1.54	92.31	
relative CIELAB lab*				
lab*lab	0.973	-0.009	0.25	
lab*tch	0.875	0.25	0.25	
lab*nch	0.0	0.25	0.25	
relative Natural Colour (NC)				
lab*trj	0.973	0.0	0.25	
lab*tce	0.875	0.25	0.25	
lab*nce	0.0	0.25	0.25	

relative Inform. Technology (IT)				
olvi3*	0.75	0.706	0.5	(1.0)
cmyn3*	0.25	0.294	0.5	(0.0)
olvi4*	1.0	0.956	0.75	1.0
cmyn4*	0.0	0.044	0.25	0.25
standard and adapted CIELAB				
LAB*LAB	69.01	-0.86	21.53	
LAB*LABa	69.01	-0.86	21.53	
LAB*TCHa	62.5	-1.55	92.31	
relative CIELAB lab*				
lab*lab	0.723	-0.009	0.25	
lab*tch	0.625	0.25	0.25	
lab*nch	0.0	0.25	0.25	
relative Natural Colour (NC)				
lab*trj	0.723	0.0	0.25	
lab*tce	0.625	0.25	0.25	
lab*nce	0.0	0.25	0.25	

relative Inform. Technology (IT)				
olvi3*	0.5	0.456	0.25	(1.0)
cmyn3*	0.5	0.456	0.25	(0.0)
olvi4*	1.0	0.956	0.75	1.0
cmyn4*	0.0	0.044	0.25	0.5
standard and adapted CIELAB				
LAB*LAB	45.16	-0.86	21.53	
LAB*LABa	45.16	-0.86	21.53	
LAB*TCHa	37.5	-1.55	92.31	
relative CIELAB lab*				
lab*lab	0.473	-0.009	0.25	
lab*tch	0.375	0.25	0.25	
lab*nch	0.0	0.25	0.25	
relative Natural Colour (NC)				
lab*trj	0.473	0.0	0.25	
lab*tce	0.375	0.25	0.25	
lab*nce	0.0	0.25	0.25	

relative Inform. Technology (IT)				
olvi3*	0.25	0.206	0.0	(1.0)
cmyn3*	0.75	0.794	1.0	(0.0)
olvi4*	1.0	0.956	0.75	1.0
cmyn4*	0.0	0.044	0.25	0.75
standard and adapted CIELAB				
LAB*LAB	21.31	-0.86	21.52	
LAB*LABa	21.31	-0.86	21.52	
LAB*TCHa	12.5	-1.54	92.31	
relative CIELAB lab*				
lab*lab	0.223	-0.009	0.25	
lab*tch	0.125	0.25	0.25	
lab*nch	0.0	0.25	0.25	
relative Natural Colour (NC)				
lab*trj	0.223	0.0	0.25	
lab*tce	0.125	0.25	0.25	
lab*nce	0.0	0.25	0.25	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCHa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	1.0	0.912	0.5	(1.0)
cmyn3*	0.0	0.088	0.5	(0.0)
olvi4*	1.0	0.912	0.5	1.0
cmyn4*	0.0	0.088	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	90.47	-1.74	43.06	
LAB*LABa	90.31	-1.74	43.06	
LAB*TCHa	75.0	-43.09	92.32	
relative CIELAB lab*				
lab*lab	0.947	-0.019	0.499	
lab*tch	0.845	0.5	0.256	
lab*nch	0.0	0.5	0.256	
relative Natural Colour (NC)				
lab*trj	0.947	0.0	0.25	
lab*tce	0.845	0.5	0.25	
lab*nce	0.0	0.5	0.25	

relative Inform. Technology (IT)				
olvi3*	0.75	0.662	0.25	(1.0)
cmyn3*	0.25	0.338	0.75	(0.0)
olvi4*	1.0	0.912	0.5	1.0
cmyn4*	0.0	0.088	0.5	0.25
standard and adapted CIELAB				
LAB*LAB	66.47	-1.73	43.06	
LAB*LABa	66.47	-1.73	43.06	
LAB*TCHa	50.0	-43.1	92.31	
relative CIELAB lab*				
lab*lab	0.697	-0.019	0.5	
lab*tch	0.595	0.5	0.256	
lab*nch	0.0	0.5	0.256	
relative Natural Colour (NC)				
lab*trj	0.697	0.0	0.25	
lab*tce	0.595	0.5	0.25	
lab*nce	0.0	0.5	0.25	

relative Inform. Technology (IT)				
olvi3*	0.5	0.618	0.0	(1.0)
cmyn3*	0.5	0.382	1.0	(0.0)
olvi4*	1.0	0.908	0.25	1.0
cmyn4*	0.0	0.132	0.75	0.25
standard and adapted CIELAB				
LAB*LAB	65.22	-3.47	86.11	
LAB*LABa	65.22	-3.47	86.11	
LAB*TCHa	50.0	-86.18	92.32	
relative CIELAB lab*				
lab*lab	0.893	-0.039	0.999	
lab*tch	0.5	1.0	0.256	
lab*nch	0.0	1.0	0.256	
relative Natural Colour (NC)				
lab*trj	0.893	0.0	1.0	
lab*tce	0.5	1.0	0.25	
lab*nce	0.0	1.0	0.25	

relative CIELAB lab*				
lab*lab	0.447	-0.019	0.499	
lab*tch	0.25	0.5	0.256	
lab*nch	0.5	0.5	0.256	
relative Natural Colour (NC)				
lab*lrj	0.447	0.0	0.5	
lab*tce	0.25	0.5	0.25	
lab*nce	0.5	0.5	0.25	r99j

$n^* = 0,50$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

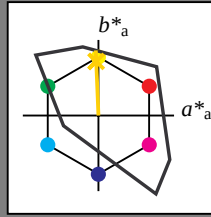
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	
LAB*LABb	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*LABb	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	
LAB*LABa	23.87	0.0	0.0	
LAB*LABb	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*LABb	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0,75

relative Inform. Technology (IT)				
olvi3*	1.0	0.912	0.5	(1.0)
cmyn3*	0.0	0.088	0.5	(0.0)
olvi4*	1.0	0.912	0.5	(1.0)
cmyn4*	0.0	0.088	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	90.41	0.0	0.0	
LAB*LABa	90.31	-1.74	43.06	
LAB*LABb	90.31	-1.74	43.06	
relative CIELAB lab*				
lab*lab	0.947	-0.019	0.499	
lab*lab	0.947	-0.019	0.499	
lab*lab	0.947	-0.019	0.499	
relative Natural Colour (NC)				
lab*lab	0.947	-0.019	0.499	
lab*lab	0.947	-0.019	0.499	
lab*lab	0.947	-0.019	0.499	

relative Inform. Technology (IT)				
olvi3*	0.75	0.662	0.25	(1.0)
cmyn3*	0.25	0.338	0.75	(0.0)
olvi4*	1.0	0.912	0.5	(1.0)
cmyn4*	0.0	0.088	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	66.47	-1.73	43.06	
LAB*LABa	66.47	-1.73	43.06	
LAB*LABb	66.47	-1.73	43.06	
relative CIELAB lab*				
lab*lab	0.697	-0.019	0.5	
lab*lab	0.697	-0.019	0.5	
lab*lab	0.697	-0.019	0.5	
relative Natural Colour (NC)				
lab*lab	0.697	-0.019	0.5	
lab*lab	0.697	-0.019	0.5	
lab*lab	0.697	-0.019	0.5	

relative Inform. Technology (IT)				
olvi3*	0.5	0.456	0.25	(1.0)
cmyn3*	0.5	0.544	0.75	(0.0)
olvi4*	1.0	0.912	0.5	(1.0)
cmyn4*	0.0	0.088	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	45.16	-0.86	21.53	
LAB*LABa	45.16	-0.86	21.53	
LAB*LABb	45.16	-0.86	21.53	
relative CIELAB lab*				
lab*lab	0.473	-0.009	0.25	
lab*lab	0.473	-0.009	0.25	
lab*lab	0.473	-0.009	0.25	
relative Natural Colour (NC)				
lab*lab	0.473	-0.009	0.25	
lab*lab	0.473	-0.009	0.25	
lab*lab	0.473	-0.009	0.25	

relative Inform. Technology (IT)				
olvi3*	0.25	0.206	0.0	(1.0)
cmyn3*	0.75	0.794	1.0	(0.0)
olvi4*	1.0	0.956	0.75	(1.0)
cmyn4*	0.0	0.044	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	21.31	-0.86	21.52	
LAB*LABa	21.31	-0.86	21.52	
LAB*LABb	21.31	-0.86	21.52	
relative CIELAB lab*				
lab*lab	0.223	-0.009	0.25	
lab*lab	0.223	-0.009	0.25	
lab*lab	0.223	-0.009	0.25	
relative Natural Colour (NC)				
lab*lab	0.223	-0.009	0.25	
lab*lab	0.223	-0.009	0.25	
lab*lab	0.223	-0.009	0.25	

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

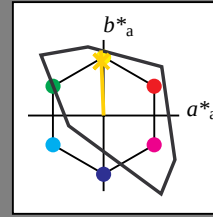
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	
LAB*LABb	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*LABb	50.0	0.01	-	
relative CIELAB lab*				
lab*Lab	0.5	0.0	0.0	
lab*ah	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.5	0.0	0.0	
lab*nce	0.5	0.0	-	
lab*nice	0.5	0.0	-	

Input: Colorimetric Transmissive System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

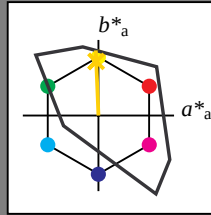
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	
LAB*LABb	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*LABb	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	
LAB*LABa	23.87	0.0	0.0	
LAB*LABb	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*LABb	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	1.0	0.956	0.75	(1.0)
cmyn3*	0.0	0.044	0.25	(0.0)
olvi4*	1.0	0.956	0.75	(1.0)
cmyn4*	0.0	0.044	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.86	-0.87	21.53	
LAB*LABa	92.86	-0.87	21.53	
LAB*LABb	92.86	-0.87	21.53	
relative CIELAB lab*				
lab*lab	0.973	0.0	0.25	
lab*tch	0.973	0.0	0.25	
lab*nch	0.0	0.25	0.973	
relative Natural Colour (NC)				
lab*trj	0.973	0.0	0.25	
lab*tce	0.0	0.25	0.973	
lab*nce	0.0	0.25	0.973	

relative Inform. Technology (IT)				
olvi3*	0.75	0.706	0.5	(1.0)
cmyn3*	0.25	0.294	0.5	(0.0)
olvi4*	1.0	0.956	0.75	(1.0)
cmyn4*	0.0	0.044	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.01	-0.86	21.53	
LAB*LABa	69.01	-0.86	21.53	
LAB*LABb	69.01	-0.86	21.53	
relative CIELAB lab*				
lab*lab	0.723	-0.009	0.25	
lab*tch	0.625	0.25	0.256	
lab*nch	0.25	0.25	0.256	
relative Natural Colour (NC)				
lab*trj	0.723	0.0	0.25	
lab*tce	0.625	0.25	0.25	
lab*nce	0.25	0.25	0.256	

relative Inform. Technology (IT)				
olvi3*	0.5	0.456	0.25	(1.0)
cmyn3*	0.5	0.382	0.25	(0.0)
olvi4*	1.0	0.956	0.75	(1.0)
cmyn4*	0.0	0.044	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	45.16	-0.86	21.53	
LAB*LABa	45.16	-0.86	21.53	
LAB*LABb	45.16	-0.86	21.53	
relative CIELAB lab*				
lab*lab	0.473	-0.009	0.25	
lab*tch	0.375	0.25	0.256	
lab*nch	0.25	0.25	0.256	
relative Natural Colour (NC)				
lab*trj	0.473	0.0	0.25	
lab*tce	0.375	0.25	0.25	
lab*nce	0.25	0.25	0.256	

relative Inform. Technology (IT)				
olvi3*	0.25	0.206	0.0	(1.0)
cmyn3*	0.75	0.794	1.0	(0.0)
olvi4*	1.0	0.956	0.75	(1.0)
cmyn4*	0.0	0.044	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	21.31	-0.86	21.52	
LAB*LABa	21.31	-0.86	21.52	
LAB*LABb	21.31	-0.86	21.52	
relative CIELAB lab*				
lab*lab	0.223	-0.009	0.25	
lab*tch	0.125	0.25	0.256	
lab*nch	0.75	0.25	0.256	
relative Natural Colour (NC)				
lab*trj	0.223	0.0	0.25	
lab*tce	0.125	0.25	0.25	
lab*nce	0.75	0.25	0.256	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*LABb	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 1,0$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

$g^*_{C,rel} = 37$

g

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

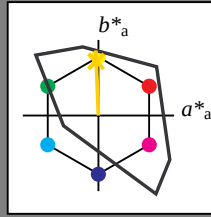
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	
LAB*LABa	23.87	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	1.0	0.956	0.75	(1.0)
cmyn3*	0.0	0.044	0.25	(0.0)
olvi4*	1.0	0.956	0.75	(1.0)
cmyn4*	0.0	0.044	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.86	-0.87	21.53	
LAB*LABa	92.86	-0.87	21.53	
LAB*TCRa	87.5	-1.54	92.31	
relative CIELAB lab*				
lab*lab	0.973	-0.009	0.25	
lab*tch	0.875	0.25	0.256	
lab*nch	0.0	0.5	0.256	
relative Natural Colour (NC)				
lab*trj	0.973	0.0	0.25	
lab*tce	0.875	0.25	0.256	
lab*nce	0.0	0.25	0.256	

relative Inform. Technology (IT)				
olvi3*	0.75	0.706	0.5	(1.0)
cmyn3*	0.25	0.294	0.5	(0.0)
olvi4*	1.0	0.956	0.75	(1.0)
cmyn4*	0.0	0.044	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.01	-0.86	21.53	
LAB*LABa	69.01	-0.86	21.53	
LAB*TCRa	62.5	-1.54	92.31	
relative CIELAB lab*				
lab*lab	0.723	-0.009	0.25	
lab*tch	0.625	0.25	0.256	
lab*nch	0.25	0.25	0.256	
relative Natural Colour (NC)				
lab*trj	0.723	0.0	0.25	
lab*tce	0.625	0.25	0.256	
lab*nce	0.25	0.25	0.256	

relative Inform. Technology (IT)				
olvi3*	0.5	0.456	0.25	(1.0)
cmyn3*	0.5	0.456	0.25	(0.0)
olvi4*	1.0	0.956	0.75	(1.0)
cmyn4*	0.0	0.044	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	45.16	-0.86	21.53	
LAB*LABa	45.16	-0.86	21.53	
LAB*TCRa	37.5	-1.54	92.31	
relative CIELAB lab*				
lab*lab	0.473	-0.009	0.25	
lab*tch	0.375	0.25	0.256	
lab*nch	0.25	0.25	0.256	
relative Natural Colour (NC)				
lab*trj	0.473	0.0	0.25	
lab*tce	0.375	0.25	0.256	
lab*nce	0.25	0.25	0.256	

relative Inform. Technology (IT)				
olvi3*	0.25	0.206	0.0	(1.0)
cmyn3*	0.75	0.794	1.0	(0.0)
olvi4*	1.0	0.956	0.75	(1.0)
cmyn4*	0.0	0.044	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	21.31	-0.86	21.52	
LAB*LABa	21.31	-0.86	21.52	
LAB*TCRa	12.5	-1.54	92.31	
relative CIELAB lab*				
lab*lab	0.223	-0.009	0.25	
lab*tch	0.125	0.25	0.256	
lab*nch	0.75	0.25	0.256	
relative Natural Colour (NC)				
lab*trj	0.223	0.0	0.25	
lab*tce	0.125	0.25	0.256	
lab*nce	0.75	0.25	0.256	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

$n^* = 5,25$

$n^* = 5,50$

$n^* = 5,75$

$n^* = 6,00$

$n^* = 6,25$

$n^* = 6,50$

$n^* = 6,75$

$n^* = 7,00$

$n^* = 7,25$

$n^* = 7,50$

$n^* = 7,75$

$n^* = 8,00$

$n^* = 8,25$

$n^* = 8,50$

$n^* = 8,75$

$n^* = 9,00$

$n^* = 9,25$

$n^* = 9,50$

$n^* = 9,75$

$n^* = 10,00$

$n^* = 10,25$

$n^* = 10,50$

$n^* = 10,75$

$n^* = 11,00$

$n^* = 11,25$

$n^* = 11,50$

$n^* = 11,75$

$n^* = 12,00$

$n^* = 12,25$

$n^* = 12,50$

$n^* = 12,75$

$n^* = 13,00$

$n^* = 13,25$

$n^* = 13,50$

$n^* = 13,75$

$n^* = 14,00$

$n^* = 14,25$

$n^* = 14,50$

$n^* = 14,75$

$n^* = 15,00$

$n^* = 15,25$

$n^* = 15,50$

$n^* = 15,75$

$n^* = 16,00$

Input: Colorimetric Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

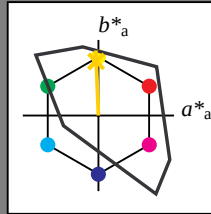
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

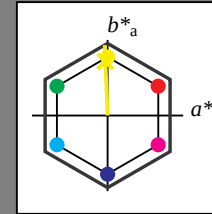
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Transmissive System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

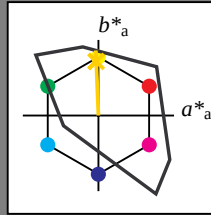
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCh \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCh \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCh \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCh \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCh \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	50.5	76.92	64.55	100.42	40
YMa	92.66	-20.69	90.75	93.08	103
LMa	83.63	-82.75	79.9	115.04	136
CMa	86.88	-46.16	-13.55	48.12	196
VMa	30.39	76.06	-103.59	128.52	306
MMa	57.3	94.35	-58.41	110.97	328
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.912 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.088 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.912 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.088 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 90.47 \ 0.0 \ 0.0$
 $LAB^*TCh \ 90.31 \ -1.74 \ 43.06$
 $LAB^*TCh \ 75.0 \ 43.09 \ 92.32$

relative CIELAB lab*
 $lab^*lab \ 0.973 \ -0.009 \ 0.25$
 $lab^*tch \ 0.875 \ 0.25 \ 0.256$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.973 \ 0.25 \ 0.256$
 $lab^*tce \ 0.875 \ 0.25 \ 0.256$
 $lab^*nce \ 0.0 \ 0.25 \ 0.256$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.706 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.294 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.956 \ 0.75 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.044 \ 0.25 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.01 \ 0.86 \ 21.53$
 $LAB^*TCh \ 69.01 \ -0.86 \ 21.53$
 $LAB^*TCh \ 62.5 \ 21.54 \ 92.31$

relative CIELAB lab*
 $lab^*lab \ 0.723 \ -0.009 \ 0.25$
 $lab^*tch \ 0.625 \ 0.25 \ 0.256$
 $lab^*nch \ 0.25 \ 0.25 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.723 \ 0.25 \ 0.256$
 $lab^*tce \ 0.625 \ 0.25 \ 0.256$
 $lab^*nce \ 0.25 \ 0.25 \ 0.256$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.562 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.338 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.912 \ 0.5 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.088 \ 0.5 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 66.47 \ -1.73 \ 43.06$
 $LAB^*TCh \ 66.47 \ -1.73 \ 43.06$
 $LAB^*TCh \ 50.0 \ 43.1 \ 92.31$

relative CIELAB lab*
 $lab^*lab \ 0.52 \ -0.029 \ 0.749$
 $lab^*tch \ 0.625 \ 0.75 \ 0.256$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.52 \ 0.75 \ 0.256$
 $lab^*tce \ 0.625 \ 0.75 \ 0.256$
 $lab^*nce \ 0.0 \ 0.5 \ 0.256$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.618 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.382 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.868 \ 0.25 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.132 \ 0.75 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 65.22 \ -3.47 \ 86.11$
 $LAB^*TCh \ 65.22 \ -3.47 \ 86.11$
 $LAB^*TCh \ 50.0 \ 86.18 \ 92.32$

relative CIELAB lab*
 $lab^*lab \ 0.893 \ -0.039 \ 0.999$
 $lab^*tch \ 0.5 \ 1.0 \ 0.256$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.893 \ 1.0 \ 0.256$
 $lab^*tce \ 0.5 \ 1.0 \ 0.256$
 $lab^*nce \ 0.0 \ 0.5 \ 0.256$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

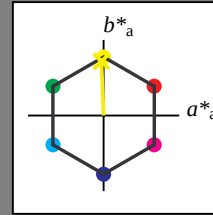
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCh \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCh \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCh \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCh \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCh \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	43.81	67.03	38.7	77.4	30
YMa	69.61	0.0	77.4	77.4	90
LMa	43.81	-67.02	38.7	77.4	150
CMa	69.61	-67.02	-38.69	77.4	210
VMa	43.81	0.0	-77.39	77.4	270
MMa	69.61	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.989 \ 1.0 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.011 \ 0.0 \ 0.25 \ (0.0)$
 $olvi4^* \ 0.989 \ 1.0 \ 0.75 \ 1.0$
 $cmyn4^* \ 0.011 \ 0.0 \ 0.25 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 88.66 \ -0.75 \ 18.91$
 $LAB^*TCh \ 88.66 \ -0.75 \ 18.91$
 $LAB^*TCh \ 87.5 \ 18.92 \ 92.29$

relative CIELAB lab*
 $lab^*lab \ 0.913 \ -0.009 \ 0.25$
 $lab^*tch \ 0.875 \ 0.25 \ 0.256$
 $lab^*nch \ 0.0 \ 0.25 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.913 \ 0.25 \ 0.256$
 $lab^*tce \ 0.875 \ 0.25 \ 0.256$
 $lab^*nce \ 0.0 \ 0.25 \ 0.256$

relative Inform. Technology (IT)
 $olvi3^* \ 0.739 \ 0.75 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.261 \ 0.25 \ 0.5 \ (0.0)$
 $olvi4^* \ 0.989 \ 1.0 \ 0.75 \ 0.75$
 $cmyn4^* \ 0.011 \ 0.0 \ 0.25 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.25 \ -0.75 \ 18.91$
 $LAB^*TCh \ 69.25 \ -0.75 \ 18.91$
 $LAB^*TCh \ 62.5 \ 18.92 \ 92.31$

relative CIELAB lab*
 $lab^*lab \ 0.663 \ -0.009 \ 0.25$
 $lab^*tch \ 0.625 \ 0.25 \ 0.256$
 $lab^*nch \ 0.25 \ 0.25 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.663 \ 0.25 \ 0.256$
 $lab^*tce \ 0.625 \ 0.25 \ 0.256$
 $lab^*nce \ 0.25 \ 0.25 \ 0.256$

relative Inform. Technology (IT)
 $olvi3^* \ 0.489 \ 0.5 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.511 \ 0.5 \ 0.25 \ (0.0)$
 $olvi4^* \ 0.989 \ 1.0 \ 0.75 \ 0.75$
 $cmyn4^* \ 0.011 \ 0.0 \ 0.25 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 62.57 \ -1.52 \ 37.82$
 $LAB^*TCh \ 62.57 \ -1.52 \ 37.82$
 $LAB^*TCh \ 50.0 \ 37.85 \ 92.31$

relative CIELAB lab*
 $lab^*lab \ 0.576 \ -0.019 \ 0.5$
 $lab^*tch \ 0.576 \ 0.25 \ 0.256$
 $lab^*nch \ 0.25 \ 0.25 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.576 \ 0.25 \ 0.256$
 $lab^*tce \ 0.576 \ 0.25 \ 0.256$
 $lab^*nce \ 0.25 \ 0.25 \ 0.256$

relative Inform. Technology (IT)
 $olvi3^* \ 0.239 \ 0.25 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.761 \ 0.75 \ 1.0 \ (0.0)$
 $olvi4^* \ 0.989 \ 1.0 \ 0.75 \ 0.75$
 $cmyn4^* \ 0.011 \ 0.0 \ 0.25 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 30.62 \ -0.75 \ 18.9$
 $LAB^*TCh \ 30.62 \ -0.75 \ 18.9$
 $LAB^*TCh \ 12.5 \ 18.92 \ 92.31$

relative CIELAB lab*
 $$

Input: Colorimetric Transmissive System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

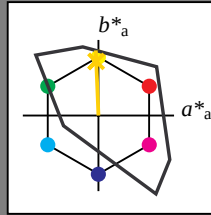
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	1.0	0.912	0.5	(1.0)
cmyn3*	0.0	0.088	0.5	(0.0)
olvi4*	1.0	0.912	0.5	(1.0)
cmyn4*	0.0	0.088	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	90.4	1.74	43.06
LAB*LABa	90.31	-1.74	43.06
LAB*TCa	75.0	43.09	92.32

relative CIELAB lab*

lab*lab	0.973	-0.009	0.25
lab*tch	0.875	0.25	0.256
lab*nch	0.0	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.973	0.0	0.25
lab*tce	0.875	0.25	0.256
lab*nce	0.0	0.25	0.256

relative Inform. Technology (IT)

olvi3*	0.75	0.662	0.25	(1.0)
cmyn3*	0.25	0.338	0.75	(0.0)
olvi4*	1.0	0.912	0.5	(1.0)
cmyn4*	0.0	0.088	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	66.47	-1.73	43.06
LAB*LABa	66.47	-1.73	43.06
LAB*TCa	50.0	43.1	92.31

relative CIELAB lab*

lab*lab	0.723	-0.009	0.25
lab*tch	0.625	0.25	0.256
lab*nch	0.25	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.723	0.0	0.25
lab*tce	0.625	0.25	0.256
lab*nce	0.25	0.25	0.256

relative Inform. Technology (IT)

olvi3*	0.5	0.456	0.25	(1.0)
cmyn3*	0.5	0.544	0.75	(0.0)
olvi4*	1.0	0.912	0.5	(1.0)
cmyn4*	0.0	0.044	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	45.16	-0.86	21.53
LAB*LABa	45.16	-0.86	21.53
LAB*TCa	37.5	21.55	92.31

relative CIELAB lab*

lab*lab	0.473	-0.009	0.25
lab*tch	0.375	0.25	0.256
lab*nch	0.25	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.473	0.0	0.25
lab*tce	0.375	0.25	0.256
lab*nce	0.25	0.25	0.256

relative Inform. Technology (IT)

olvi3*	0.25	0.206	0.0	(1.0)
cmyn3*	0.75	0.794	1.0	(0.0)
olvi4*	1.0	0.912	0.5	(1.0)
cmyn4*	0.0	0.044	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	21.31	-0.86	21.52
LAB*LABa	21.31	-0.86	21.52
LAB*TCa	12.5	21.54	92.31

relative CIELAB lab*

lab*lab	0.223	-0.009	0.25
lab*tch	0.125	0.25	0.256
lab*nch	0.75	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.223	0.0	0.25
lab*tce	0.125	0.25	0.256
lab*nce	0.75	0.25	0.256

$n^* = 0,50$

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

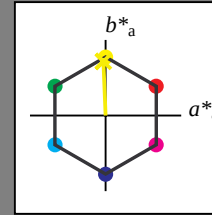
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.989	1.0	0.75	(1.0)
cmyn3*	0.011	0.0	0.25	(0.0)
olvi4*	0.989	1.0	0.75	(1.0)
cmyn4*	0.011	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	85.73	-0.75	18.91
LAB*LABa	85.73	-0.75	18.91
LAB*TCa	87.5	18.92	92.29

relative CIELAB lab*

lab*lab	0.875	-0.009	0.25
lab*tch	0.875	0.25	0.256
lab*nch	0.0	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.875	0.0	0.25
lab*tce	0.875	0.25	0.256
lab*nce	0.0	0.25	0.256

relative CIELAB lab*				
lab*lab	0.625	-0.009	0.25	
lab*ch	0.625	0.25	0.25	
lab*nch	0.25	0.25	0.25	
relative Natural Colour (NC)				
lab*lrj	0.625	0.0	0.25	
lab*tce	0.625	0.25	0.25	
lab*nce	0.25	0.25	.991	
relative Inform. Technology (IT)				
olvi3*	0.489	0.5	0.25	(1.0)
cmyn3*	0.511	0.5	0.75	(0.0)
olvi4*	0.989	1.0	0.75	(1.0)
cmyn4*	0.011	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.04	-0.75	18.91	
LAB*LABa	47.04	-0.75	18.91	

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

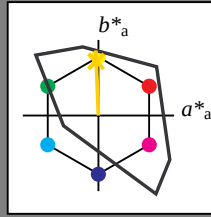
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	
LAB*LABa	23.87	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	1.0	0.956	0.75	(1.0)
cmyn3*	0.0	0.044	0.25	(0.0)
olvi4*	1.0	0.956	0.75	(1.0)
cmyn4*	0.0	0.044	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.86	-0.87	21.53	
LAB*LABa	92.86	-0.87	21.53	
LAB*TCRa	87.5	-1.54	92.33	
relative CIELAB lab*				
lab*lab	0.973	-0.009	0.25	
lab*tch	0.875	0.25	0.256	
lab*nch	0.0	0.25	0.256	
relative Natural Colour (NC)				
lab*trj	0.973	0.0	0.25	
lab*tce	0.875	0.25	0.256	
lab*nce	0.0	0.25	0.256	

relative Inform. Technology (IT)				
olvi3*	0.75	0.706	0.5	(1.0)
cmyn3*	0.25	0.294	0.5	(0.0)
olvi4*	1.0	0.956	0.75	(1.0)
cmyn4*	0.0	0.044	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.01	-0.86	21.53	
LAB*LABa	69.01	-0.86	21.53	
LAB*TCRa	62.5	-1.55	92.31	
relative CIELAB lab*				
lab*lab	0.723	-0.009	0.25	
lab*tch	0.625	0.25	0.256	
lab*nch	0.0	0.25	0.256	
relative Natural Colour (NC)				
lab*trj	0.723	0.0	0.25	
lab*tce	0.625	0.25	0.256	
lab*nce	0.0	0.25	0.256	

relative Inform. Technology (IT)				
olvi3*	0.5	0.456	0.25	(1.0)
cmyn3*	0.5	0.456	0.25	(0.0)
olvi4*	1.0	0.956	0.75	(1.0)
cmyn4*	0.0	0.044	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	45.16	-0.86	21.53	
LAB*LABa	45.16	-0.86	21.53	
LAB*TCRa	37.5	-1.55	92.31	
relative CIELAB lab*				
lab*lab	0.473	-0.009	0.25	
lab*tch	0.375	0.25	0.256	
lab*nch	0.0	0.25	0.256	
relative Natural Colour (NC)				
lab*trj	0.473	0.0	0.25	
lab*tce	0.375	0.25	0.256	
lab*nce	0.0	0.25	0.256	

relative Inform. Technology (IT)				
olvi3*	0.25	0.206	0.0	(1.0)
cmyn3*	0.75	0.794	1.0	(0.0)
olvi4*	1.0	0.956	0.75	(1.0)
cmyn4*	0.0	0.044	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	21.31	-0.86	21.52	
LAB*LABa	21.31	-0.86	21.52	
LAB*TCRa	12.5	-1.54	92.31	
relative CIELAB lab*				
lab*lab	0.223	-0.009	0.25	
lab*tch	0.125	0.25	0.256	
lab*nch	0.0	0.25	0.256	
relative Natural Colour (NC)				
lab*trj	0.223	0.0	0.25	
lab*tce	0.125	0.25	0.256	
lab*nce	0.0	0.25	0.256	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)				
olvi3*	1.0	0.912	0.5	(1.0)
cmyn3*	0.0	0.088	0.5	(0.0)
olvi4*	1.0	0.912	0.5	(1.0)
cmyn4*	0.0	0.088	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	90.47	-1.74	43.06	
LAB*LABa	90.31	-1.74	43.06	
LAB*TCRa	75.0	-43.09	92.32	
relative CIELAB lab*				
lab*lab	0.947	-0.019	0.499	
lab*tch	0.875	0.5	0.256	
lab*nch	0.0	0.5	0.256	
relative Natural Colour (NC)				
lab*trj	0.947	0.0	0.25	
lab*tce	0.875	0.5	0.25	
lab*nce	0.0	0.5	0.25	

relative Inform. Technology (IT)				
olvi3*	0.75	0.662	0.25	(1.0)
cmyn3*	0.25	0.338	0.75	(0.0)
olvi4*	1.0	0.912	0.5	(1.0)
cmyn4*	0.0	0.088	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	66.47	-1.73	43.06	
LAB*LABa	66.47	-1.73	43.06	
LAB*TCRa	50.0	-43.1	92.31	
relative CIELAB lab*				
lab*lab	0.697	-0.019	0.5	
lab*tch	0.625	0.5	0.256	
lab*nch	0.0	0.5	0.256	
relative Natural Colour (NC)				
lab*trj	0.697	0.0	0.25	
lab*tce	0.625	0.5	0.25	
lab*nce	0.0	0.5	0.25	

relative Inform. Technology (IT)				
olvi3*	0.5	0.412	0.0	(1.0)
cmyn3*	0.5	0.588	1.0	(0.0)
olvi4*	1.0	0.912	0.5	(1.0)
cmyn4*	0.0	0.088	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	42.62	-1.73	43.05	
LAB*LABa	42.62	-1.73	43.05	
LAB*TCRa	25.01	43.09	92.31	
relative CIELAB lab*				
lab*lab	0.447	-0.019	0.499	
lab*tch	0.25	0.5	0.256	
lab*nch	0.5	0.5	0.256	
relative Natural colour (NC)				
lab*lab	0.5	0.47	0.0	(1.0)
lab*tch	0.25	0.5	0.25	
lab*nch	0.5	0.5	r99j	

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 92/360 = 0.256$

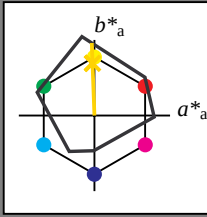
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	96.31	0.0	0.0	2.58
LAB*LABa	96.31	0.0	0.0	2.58
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	0.0
LAB*LABa	76.38	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.915	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.915	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	0.0
LAB*LABa	56.44	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	36.5	-1.09	2.19	0.0
LAB*LABa	36.5	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	0.0
LAB*LABa	16.57	0.0	0.0	0.0
LAB*LABb	0.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)				
olvi3*	1.0	0.921 0.5	(1.0)	
cmyn3*	0.0	0.078 0.5	(0.0)	
olvi4*	1.0	0.921 0.5	1.0	
cmyn4*	0.0	0.078 0.5	0.0	
standard and adapted CIELAB				
LAB*LAB	89.62	-1.91	50.51	0.0
LAB*LABa	89.56	-1.75	47.96	0.0
LAB*LABb	75.0	48.0	92.1	0.0
relative CIELAB lab*				
lab*lab	0.915	-0.017 0.5	(1.0)	
lab*lab	0.75	0.5	0.256	
lab*lab	0.0	0.5	0.256	
relative Natural Colour (NC)				
lab*lab	0.915	0.0	0.25	
lab*lab	0.75	0.5	0.25	
lab*lab	0.0	0.5	0.25	

relative Inform. Technology (IT)				
olvi3*	0.75	0.711 0.5	(1.0)	
cmyn3*	0.25	0.289 0.5	(0.0)	
olvi4*	1.0	0.961 0.75	1.0	
cmyn4*	0.0	0.039 0.25	0.25	
standard and adapted CIELAB				
LAB*LAB	73.0	1.37	26.42	0.0
LAB*LABa	73.0	-0.87	23.98	0.0
LAB*LABb	62.5	24.0	92.09	0.0
relative CIELAB lab*				
lab*lab	0.708	-0.008 0.25	(1.0)	
lab*lab	0.625	0.25	0.256	
lab*lab	0.0	0.25	0.256	
relative Natural Colour (NC)				
lab*lab	0.708	0.0	0.25	
lab*lab	0.625	0.25	0.25	
lab*lab	0.0	0.25	0.25	

relative Inform. Technology (IT)				
olvi3*	0.5	0.672 0.25	(1.0)	
cmyn3*	0.25	0.328 0.75	(0.0)	
olvi4*	1.0	0.922 0.5	1.0	
cmyn4*	0.0	0.078 0.5	0.25	
standard and adapted CIELAB				
LAB*LAB	69.62	-2.3	50.39	0.0
LAB*LABa	69.62	-1.74	47.97	0.0
LAB*LABb	50.0	48.0	92.09	0.0
relative CIELAB lab*				
lab*lab	0.665	-0.017 0.5	(1.0)	
lab*lab	0.5	0.5	0.256	
lab*lab	0.0	0.5	0.256	
relative Natural Colour (NC)				
lab*lab	0.665	0.0	0.25	
lab*lab	0.5	0.5	0.25	
lab*lab	0.0	0.5	0.25	

relative Inform. Technology (IT)				
olvi3*	0.25	0.422 0.0	(1.0)	
cmyn3*	0.75	0.378 1.0	(0.0)	
olvi4*	1.0	0.922 0.5	1.0	
cmyn4*	0.0	0.078 0.5	0.5	
standard and adapted CIELAB				
LAB*LAB	49.68	-2.62	50.24	0.0
LAB*LABa	49.68	-1.74	47.96	0.0
LAB*LABb	25.0	47.99	92.09	0.0
relative CIELAB lab*				
lab*lab	0.623	-0.026 0.749	(1.0)	
lab*lab	0.375	0.75	0.256	
lab*lab	0.0	0.75	0.256	
relative Natural Colour (NC)				
lab*lab	0.623	0.0	0.75	
lab*lab	0.375	0.75	0.25	
lab*lab	0.0	0.75	0.25	

relative Inform. Technology (IT)				
olvi3*	0.5	0.461 0.25	(1.0)	
cmyn3*	0.5	0.378 0.75	(0.0)	
olvi4*	1.0	0.961 0.75	1.0	
cmyn4*	0.0	0.039 0.25	0.5	
standard and adapted CIELAB				
LAB*LAB	53.06	-1.69	26.29	0.0
LAB*LABa	53.06	-0.87	23.98	0.0
LAB*LABb	37.5	24.0	92.09	0.0
relative CIELAB lab*				
lab*lab	0.458	-0.008 0.25	(1.0)	
lab*lab	0.375	0.25	0.256	
lab*lab	0.0	0.25	0.256	
relative Natural Colour (NC)				
lab*lab	0.458	0.0	0.25	
lab*lab	0.375	0.25	0.25	
lab*lab	0.0	0.25	0.25	

relative Inform. Technology (IT)				
olvi3*	0.25	0.211 0.0	(1.0)	
cmyn3*	0.75	0.789 1.0	(0.0)	
olvi4*	1.0	0.961 0.75	1.0	
cmyn4*	0.0	0.039 0.25	0.75	
standard and adapted CIELAB				
LAB*LAB	33.12	-2.02	26.15	0.0
LAB*LABa	33.12	-0.87	23.97	0.0
LAB*LABb	12.5	23.99	92.09	0.0
relative CIELAB lab*				
lab*lab	0.208	-0.008 0.25	(1.0)	
lab*lab	0.125	0.25	0.256	
lab*lab	0.0	0.25	0.256	
relative Natural Colour (NC)				
lab*lab	0.208	0.0	0.25	
lab*lab	0.125	0.25	0.25	
lab*lab	0.0	0.25	0.25	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	0.0
LAB*LABa	16.57	0.0	0.0	0.0
LAB*LABb	0.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0		

Input: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 92/360 = 0.256$

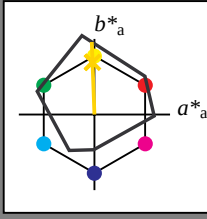
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	0.921 0.5	(1.0)
cmyn3*	0.0	0.078 0.5	(0.0)
olvi4*	1.0	0.921 0.5	(1.0)
cmyn4*	0.0	0.078 0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	89.62	-1.95	50.51
LAB*LABa	89.56	-1.75	47.96
LAB*LABb	75.0	48.0	92.1

relative CIELAB lab*

lab*lab	0.915	-0.017 0.5	(1.0)
lab*tch	0.75	0.5	0.256
lab*nch	0.0	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.915	0.0	0.25
lab*tce	0.75	0.25	0.25
lab*nce	0.0	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.75	0.672 0.25	(1.0)
cmyn3*	0.25	0.328 0.75	(0.0)
olvi4*	1.0	0.921 0.5	(1.0)
cmyn4*	0.0	0.078 0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	69.62	-2.3	50.39
LAB*LABa	69.62	-1.74	47.97
LAB*LABb	50.0	48.0	92.09

relative CIELAB lab*

lab*lab	0.665	-0.017 0.5	(1.0)
lab*tch	0.625	0.25	0.256
lab*nch	0.25	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.665	0.0	0.5
lab*tce	0.625	0.25	0.25
lab*nce	0.25	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.5	0.422 0.0	(1.0)
cmyn3*	0.5	0.578 1.0	(0.0)
olvi4*	1.0	0.921 0.5	(1.0)
cmyn4*	0.0	0.078 0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	49.68	-2.62	50.24
LAB*LABa	49.68	-1.74	47.96
LAB*LABb	25.0	47.99	92.09

relative CIELAB lab*

lab*lab	0.415	-0.017 0.5	(1.0)
lab*tch	0.25	0.5	0.256
lab*nch	0.0	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.415	0.0	0.25
lab*tce	0.25	0.5	0.25
lab*nce	0.0	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.25	0.211 0.0	(1.0)
cmyn3*	0.75	0.789 1.0	(0.0)
olvi4*	1.0	0.961 0.75	(1.0)
cmyn4*	0.0	0.039 0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	33.12	-2.02	26.15
LAB*LABa	33.12	-0.87	23.97
LAB*LABb	12.5	23.99	92.09

relative CIELAB lab*

lab*lab	0.208	-0.008 0.25	(1.0)
lab*tch	0.125	0.25	0.256
lab*nch	0.75	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.208	0.0	0.25
lab*tce	0.125	0.25	0.25
lab*nce	0.75	0.25	0.256

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

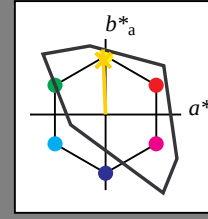
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	95.99	92.1

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	1.0	0.956 0.75	(1.0
--------	-----	------------	------

Input: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 92/360 = 0.256$

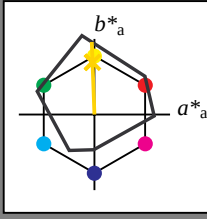
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	0.922 0.5	(1.0)
cmyn3*	0.0	0.078 0.5	(0.0)
olvi4*	1.0	0.922 0.5	(1.0)
cmyn4*	0.0	0.078 0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	89.56	-1.98	50.51
LAB*LABa	89.56	-1.75	47.96
LAB*LABb	75.0	48.0	92.1

relative CIELAB lab*

lab*lab	0.958	-0.008 0.25
lab*tch	0.875	0.25 0.256
lab*nch	0.0	0.25 0.256

relative Natural Colour (NC)

lab*trj	0.958	0.25 0.256
lab*tce	0.875	0.25 0.256
lab*nce	0.0	0.25 0.256

relative Inform. Technology (IT)

olvi3*	0.75	0.711 0.5	(1.0)
cmyn3*	0.25	0.289 0.5	(0.0)
olvi4*	1.0	0.961 0.75	(1.0)
cmyn4*	0.0	0.039 0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	73.0	1.37	26.42
LAB*LABa	73.0	-0.87	23.98
LAB*LABb	62.5	24.0	92.1

relative CIELAB lab*

lab*lab	0.708	-0.008 0.25
lab*tch	0.625	0.25 0.256
lab*nch	0.0	0.25 0.256

relative Natural Colour (NC)

lab*trj	0.708	0.25 0.256
lab*tce	0.625	0.25 0.256
lab*nce	0.0	0.25 0.256

relative Inform. Technology (IT)

olvi3*	0.5	0.672 0.25	(1.0)
cmyn3*	0.25	0.328 0.75	(0.0)
olvi4*	1.0	0.922 0.5	(1.0)
cmyn4*	0.0	0.078 0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	69.62	-2.3	30.39
LAB*LABa	69.62	-1.74	47.97
LAB*LABb	50.0	48.0	92.09

relative CIELAB lab*

lab*lab	0.665	-0.017 0.5
lab*tch	0.625	0.25 0.256
lab*nch	0.0	0.25 0.256

relative Natural Colour (NC)

lab*trj	0.665	0.25 0.256
lab*tce	0.625	0.25 0.256
lab*nce	0.0	0.25 0.256

relative Inform. Technology (IT)

olvi3*	0.25	0.422 0.0	(1.0)
cmyn3*	0.75	0.367 1.0	(0.0)
olvi4*	1.0	0.922 0.5	(1.0)
cmyn4*	0.0	0.078 0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	49.68	-2.62	50.24
LAB*LABa	49.68	-1.74	47.96
LAB*LABb	25.0	47.99	92.09

relative CIELAB lab*

lab*lab	0.415	-0.017 0.5
lab*tch	0.25	0.5 0.256
lab*nch	0.0	0.5 0.256

relative Natural Colour (NC)

lab*trj	0.415	0.5 0.256
lab*tce	0.25	0.5 0.256
lab*nce	0.0	0.5 0.256

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 92/360 = 0.256$

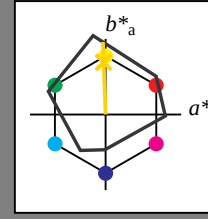
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	-0.11	2.58
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	0.922 0.5	(1.0)
cmyn3*	0.0	0.078 0.5	(0.0)
olvi4*	1.0	0.922 0.5	(1.0)
cmyn4*	0.0	0.078 0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	89.56	-1.98	50.51
LAB*LABa	89.56	-1.75	47.96
LAB*LABb	75.0	48.0	92.1

relative CIELAB lab*

lab*lab	0.958	-0.008 0.25
lab*tch	0.875	0.25 0.256
lab*nch	0.0	0.25 0.256

relative Natural Colour (NC)

lab*trj	0.958	0.25 0.256
lab*tce	0.875	0.25 0.256
lab*nce	0.0	0.25 0.256

relative Inform. Technology (IT)

olvi3*	0.75	0.711 0.5	(1.0)
cmyn3*	0.25	0.289 0.5	(0.0)
olvi4*	1.0	0.961 0.75	(1.0)
cmyn4*	0.0	0.039 0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	73.0	1.37	26.42
LAB*LABa	73.0	-0.87	23.98
LAB*LABb	62.5	24.0	92.1

relative CIELAB lab*

lab*lab	0.708	-0.008 0.25
lab*tch	0.625	0.25 0.256
lab*nch	0.0	0.25 0.256

relative Natural Colour (NC)

lab*trj	0.708	0.25 0.256
lab*tce	0.625	0.25 0.256
lab*nce	0.0	0.25

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 92/360 = 0.256$

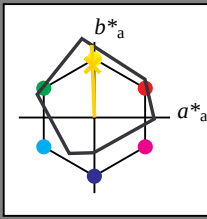
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	96.31	0.0	0.0	0.0
LAB*LABa	96.31	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	0.0
LAB*LABa	76.38	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	0.0
LAB*LABa	56.44	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	36.5	-1.09	2.19	0.0
LAB*LABa	36.5	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	0.0
LAB*LABa	16.57	0.0	0.0	0.0
LAB*LABb	0.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	1.0	0.961	0.75	(1.0)
cmyn3*	0.0	0.039	0.25	(0.0)
olvi4*	1.0	0.961	0.75	(1.0)
cmyn4*	0.0	0.039	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.93	-1.05	26.55	0.0
LAB*LABa	92.93	0.0	0.0	0.0
LAB*LABb	87.5	-0.87	23.98	0.0
relative CIELAB lab*				
lab*lab	0.958	0.0	0.25	0.0
lab*tch	0.958	0.0	-	-
lab*nch	0.0	0.25	-	-
relative Natural Colour (NC)				
lab*trj	0.958	0.0	0.25	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.711	0.5	(1.0)
cmyn3*	0.25	0.289	0.5	(0.0)
olvi4*	1.0	0.961	0.75	(1.0)
cmyn4*	0.0	0.039	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	73.0	-1.37	26.42	0.0
LAB*LABa	73.0	-0.87	23.98	0.0
LAB*LABb	62.5	-2.40	92.11	0.0
relative CIELAB lab*				
lab*lab	0.708	-0.008	0.25	0.0
lab*tch	0.625	0.25	0.256	0.0
lab*nch	0.25	0.25	0.256	0.0
relative Natural Colour (NC)				
lab*trj	0.708	0.0	0.25	0.0
lab*tce	0.625	0.25	0.25	0.0
lab*nce	0.25	0.25	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.461	0.25	(1.0)
cmyn3*	0.5	0.539	0.75	(0.0)
olvi4*	1.0	0.961	0.75	(1.0)
cmyn4*	0.0	0.039	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	53.06	-1.69	26.29	0.0
LAB*LABa	53.06	-0.87	23.98	0.0
LAB*LABb	37.5	-2.40	92.09	0.0
relative CIELAB lab*				
lab*lab	0.458	-0.008	0.25	0.0
lab*tch	0.375	0.25	0.256	0.0
lab*nch	0.25	0.25	0.256	0.0
relative Natural Colour (NC)				
lab*trj	0.458	0.0	0.25	0.0
lab*tce	0.375	0.25	0.25	0.0
lab*nce	0.25	0.25	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.211	0.0	(1.0)
cmyn3*	0.75	0.789	1.0	(0.0)
olvi4*	1.0	0.961	0.75	(1.0)
cmyn4*	0.0	0.039	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	33.12	-2.02	26.15	0.0
LAB*LABa	33.12	-0.87	23.97	0.0
LAB*LABb	12.5	-2.39	92.09	0.0
relative CIELAB lab*				
lab*lab	0.208	-0.008	0.25	0.0
lab*tch	0.125	0.25	0.256	0.0
lab*nch	0.75	0.25	0.256	0.0
relative Natural Colour (NC)				
lab*trj	0.208	0.0	0.25	0.0
lab*tce	0.125	0.25	0.25	0.0
lab*nce	0.75	0.25	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	1.0	0.922	0.5	(1.0)
cmyn3*	0.0	0.078	0.5	(0.0)
olvi4*	1.0	0.922	0.5	(1.0)
cmyn4*	0.0	0.078	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	89.62	-1.90	50.51	0.0
LAB*LABa	89.56	-1.75	47.96	0.0
LAB*LABb	75.0	48.0	92.1	0.0
relative CIELAB lab*				
lab*lab	0.915	-0.017	0.5	0.0
lab*tch	0.75	0.5	0.256	0.0
lab*nch	0.0	0.5	0.256	0.0
relative Natural Colour (NC)				
lab*trj	0.915	0.0	0.25	0.0
lab*tce	0.75	0.5	0.25	0.0
lab*nce	0.0	0.5	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.672	0.25	(1.0)
cmyn3*	0.25	0.328	0.75	(0.0)
olvi4*	1.0	0.922	0.5	(1.0)
cmyn4*	0.0	0.078	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.62	-2.3	50.39	0.0
LAB*LABa	69.62	-1.74	47.97	0.0
LAB*LABb	50.0	48.0	92.09	0.0
relative CIELAB lab*				
lab*lab	0.665	-0.017	0.5	0.0
lab*tch	0.625	0.5	0.256	0.0
lab*nch	0.25	0.5	0.256	0.0
relative Natural Colour (NC)				
lab*trj	0.665	0.0	0.5	0.0
lab*tce	0.625	0.5	0.25	0.0
lab*nce	0.25	0.5	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.422	0.0	(1.0)
cmyn3*	0.5	0.578	1.0	(0.0)
olvi4*	1.0	0.922	0.5	(1.0)
cmyn4*	0.0	0.078	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	49.68	-2.62	50.24	0.0
LAB*LABa	49.68	-1.74	47.96	0.0
LAB*LABb	25.0	47.99	92.09	0.0
relative CIELAB lab*				
lab*lab	0.623	-0.026	0.749	0.0
lab*tch	0.375	0.75	0.256	0.0
lab*nch	0.25	0.75	0.256	0.0
relative Natural Colour (NC)				
lab*trj	0.623	0.0	0.75	0.0
lab*tce	0.375	0.75	0.25	0.0
lab*nce	0.25	0.75	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.415	-0.017	0.5
cmyn3*	0.75	0.415	0.0	0.5
olvi4*	1.0	0.961	0.75	0.25
cmyn4*	0.0	0.039	0.25	0.75
standard and adapted CIELAB				
LAB*LAB	33.12	-2.02	26.15	0.0
LAB*LABa	33.12	-0.87	23.97	0.0
LAB*LABb	12.5	-2.39	92.09	0.0
relative CIELAB lab*				
lab*lab	0.415	-0.017	0.5	0.0
lab*tch	0.25	0.5	0.256	0.0
lab*nch	0.75	0.5	0.256	0.0
relative Natural Colour (NC)				
lab*trj	0.415	0.0	0.5	0.0
lab*tce	0.25	0.5	0.25	0.0
lab*nce	0.75	0.5	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	1.0	0.883	0.25	(1.0)
cmyn3*	0.0	0.117	0.75	(0.0)
olvi4*	1.0	0.883	0.25	(1.0)
cmyn4*	0.0	0.117	0.75	(0.0)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 92/360 = 0.256$

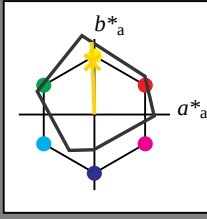
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	0.921 0.5	(1.0)
cmyn3*	0.0	0.078 0.5	(0.0)
olvi4*	1.0	0.921 0.5	(1.0)
cmyn4*	0.0	0.078 0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	89.62	-1.91	50.51
LAB*LABa	89.56	-1.75	47.96
LAB*LABb	75.0	48.0	92.1

relative CIELAB lab*

lab*lab	0.915	-0.017 0.5	(1.0)
lab*tch	0.75	0.5	0.256
lab*nch	0.0	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.915	0.0	0.25
lab*tce	0.75	0.25	0.25
lab*nce	0.0	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.75	0.672 0.25	(1.0)
cmyn3*	0.25	0.328 0.75	(0.0)
olvi4*	1.0	0.921 0.5	(1.0)
cmyn4*	0.0	0.078 0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	69.62	-2.3	50.39
LAB*LABa	69.62	-1.74	47.97
LAB*LABb	50.0	48.0	92.09

relative CIELAB lab*

lab*lab	0.665	-0.017 0.5	(1.0)
lab*tch	0.625	0.25	0.256
lab*nch	0.25	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.665	0.0	0.5
lab*tce	0.625	0.25	0.25
lab*nce	0.25	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.5	0.461 0.25	(1.0)
cmyn3*	0.5	0.539 0.75	(0.0)
olvi4*	1.0	0.961 0.75	(1.0)
cmyn4*	0.0	0.039 0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	53.06	-1.69	26.29
LAB*LABa	53.06	-0.87	23.98
LAB*LABb	37.5	24.0	92.09

relative CIELAB lab*

lab*lab	0.458	-0.008 0.25	(1.0)
lab*tch	0.375	0.25	0.256
lab*nch	0.25	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.458	0.0	0.25
lab*tce	0.375	0.25	0.25
lab*nce	0.25	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.25	0.211 0.0	(1.0)
cmyn3*	0.75	0.789 1.0	(0.0)
olvi4*	1.0	0.961 0.75	(1.0)
cmyn4*	0.0	0.039 0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	33.12	-2.02	26.15
LAB*LABa	33.12	-0.87	23.97
LAB*LABb	12.5	23.99	92.09

relative CIELAB lab*

lab*lab	0.208	-0.008 0.25	(1.0)
lab*tch	0.125	0.25	0.256
lab*nch	0.25	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.208	0.0	0.25
lab*tce	0.125	0.25	0.25
lab*nce	0.25	0.5	0.256

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	1.0	0.883 0.25	(1.0)
cmyn3*	0.0	0.117 0.75	(0.0)
olvi4*	1.0	0.883 0.25	(1.0)
cmyn4*	0.0	0.117 0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	86.18	-2.31	74.47
LAB*LABa	86.18	-2.63	71.95
LAB*LABb	62.5	72.0	92.1

relative CIELAB lab*

lab*lab	0.873	-0.026 0.749	(1.0)
lab*tch	0.625	0.75	0.256
lab*nch	0.0	0.75	0.256

relative Natural Colour (NC)

lab*trj	0.873	0.0	0.75
lab*tce	0.625	0.75	0.25
lab*nce	0.0	0.75	0.256

relative Inform. Technology (IT)

olvi3*	0.75	0.633 0.0	(1.0)
cmyn3*	0.25	0.367 1.0	(0.0)
olvi4*	1.0	0.883 0.25	(1.0)
cmyn4*	0.0	0.117 0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	66.25	-3.23	74.34
LAB*LABa	66.25	-2.62	71.94
LAB*LABb	50.0	95.99	92.1

relative CIELAB lab*

lab*lab	0.831	-0.036 0.999	(1.0)
lab*tch	0.5	1.0	0.256
lab*nch	0.0	1.0	0.256

relative Natural Colour (NC)

lab*trj	0.831	0.0	1.0
lab*tce	0.5	1.0	0.25
lab*nce	0.0	1.0	0.256

relative Inform. Technology (IT)

olvi3*	0.5	0.422 0.0	(1.0)
cmyn3*	0.5	0.578 1.0	(0.0)
olvi4*	1.0	0.921 0.5	(1.0)
cmyn4*	0.0	0.078 0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	49.68	-2.62	50.24
LAB*LABa	49.68	-1.74	47.96
LAB*LABb	25.0	47.99	92.09

relative CIELAB lab*

lab*lab	0.623	-0.026 0.749	(1.0)
lab*tch	0.375	0.75	0.256
lab*nch	0.25	0.75	0.256

relative Natural Colour (NC)

lab*trj	0.623	0.0	0.75
lab*tce	0.375	0.75	0.25
lab*nce	0.25	0.75	0.256

relative Inform. Technology (IT)

olvi3*	0.25	0.211 0.0	(1.0)
cmyn3*	0.75	0.789 1.0	(0.0)
olvi4*	1.0	0.961 0.75	(1.0)
cmyn4*	0.0	0.039 0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	33.12	-2.02	26.15
LAB*LABa	33.12	-0.87	23.97
LAB*LABb	12.5	23.99	92.09

relative CIELAB lab*

lab*lab	0.208	-0.008 0.25	(1.0)
lab*tch	0.125	0.25	0.256
lab*nch	0.25	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.208	0.0	0.25
lab*tce	0.125	0.25	0.25
lab*nce	0.25	0.5	0.256

$n^* = 0,25$

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

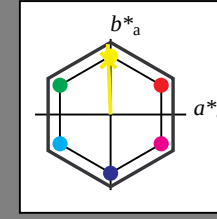
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.41	0.0	0.0
LAB*LABa	96.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 92/360 = 0.256$

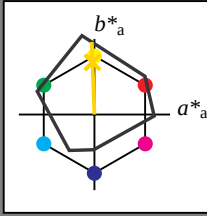
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)			
olvi3*	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-
relative CIELAB lab*			
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
relative Natural Colour (NC)			
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-
relative CIELAB lab*			
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
relative Natural Colour (NC)			
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-
relative CIELAB lab*			
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
relative Natural Colour (NC)			
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-
relative CIELAB lab*			
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
relative Natural Colour (NC)			
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.01	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
relative Natural Colour (NC)			
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)			
olvi3*	1.0	0.921 0.5	(1.0)
cmyn3*	0.0	0.078 0.5	(0.0)
olvi4*	1.0	0.921 0.5	(1.0)
cmyn4*	0.0	0.078 0.5	(0.0)
standard and adapted CIELAB			
LAB*LAB	89.62	-1.90	50.51
LAB*LABa	89.56	-1.75	47.96
LAB*LABb	75.0	48.0	92.1
relative CIELAB lab*			
lab*lab	0.915	-0.017 0.5	(1.0)
lab*lab	0.915	0.5	0.256
lab*lab	0.0	0.5	0.256
lab*lab	0.0	0.5	0.256
relative Natural Colour (NC)			
lab*lab	0.915	0.5	0.256
lab*lab	0.915	0.5	0.256
lab*lab	0.915	0.5	0.256
lab*lab	0.915	0.5	0.256

relative Inform. Technology (IT)			
olvi3*	0.75	0.672 0.25	(1.0)
cmyn3*	0.25	0.328 0.75	(0.0)
olvi4*	1.0	0.921 0.5	(1.0)
cmyn4*	0.0	0.078 0.5	(0.0)
standard and adapted CIELAB			
LAB*LAB	69.62	-2.3	50.39
LAB*LABa	69.62	-1.74	47.97
LAB*LABb	50.0	48.0	92.09
relative CIELAB lab*			
lab*lab	0.665	-0.017 0.5	(1.0)
lab*lab	0.665	0.5	0.256
lab*lab	0.25	0.5	0.256
lab*lab	0.25	0.5	0.256
relative Natural Colour (NC)			
lab*lab	0.665	0.5	0.256
lab*lab	0.665	0.5	0.256
lab*lab	0.665	0.5	0.256
lab*lab	0.665	0.5	0.256

relative Inform. Technology (IT)			
olvi3*	0.5	0.422 0.0	(1.0)
cmyn3*	0.5	0.578 1.0	(0.0)
olvi4*	1.0	0.921 0.5	(1.0)
cmyn4*	0.0	0.078 0.5	(0.0)
standard and adapted CIELAB			
LAB*LAB	49.68	-2.62	50.24
LAB*LABa	49.68	-1.74	47.96
LAB*LABb	25.01	47.99	92.09
relative CIELAB lab*			
lab*lab	0.415	-0.017 0.5	(1.0)
lab*lab	0.415	0.5	0.256
lab*lab	0.25	0.5	0.256
lab*lab	0.25	0.5	0.256
relative Natural Colour (NC)			
lab*lab	0.415	0.5	0.256
lab*lab	0.415	0.5	0.256
lab*lab	0.415	0.5	0.256
lab*lab	0.415	0.5	0.256

relative Inform. Technology (IT)			
olvi3*	0.25	0.211 0.0	(1.0)
cmyn3*	0.75	0.789 1.0	(0.0)
olvi4*	1.0	0.961 0.75	(0.5)
cmyn4*	0.0	0.039 0.25	(0.75)
standard and adapted CIELAB			
LAB*LAB	33.12	-2.02	26.15
LAB*LABa	33.12	-0.87	23.97
LAB*LABb	12.5	23.99	92.09
relative CIELAB lab*			
lab*lab	0.208	-0.008 0.25	(1.0)
lab*lab	0.208	0.25	0.256
lab*lab	0.75	0.25	0.256
lab*lab	0.75	0.25	0.256
relative Natural Colour (NC)			
lab*lab	0.208	0.25	0.256
lab*lab	0.208	0.25	0.256
lab*lab	0.208	0.25	0.256
lab*lab	0.208	0.25	0.256

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

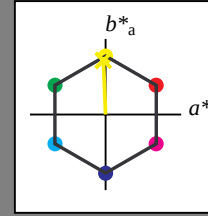
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)			
olvi3*	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-
relative CIELAB lab*			
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
relative Natural Colour (NC)			
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Inform. Technology (IT)			

Input: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 92/360 = 0.256$

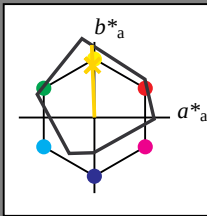
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	1.0	0.92	0.5
cmyn3*	0.0	0.078	0.5
olvi4*	1.0	0.92	0.5
cmyn4*	0.0	0.078	0.5

standard and adapted CIELAB

LAB*LAB	89.62	-1.91	50.51
LAB*LABa	89.56	-1.75	47.96
LAB*LABb	75.0	48.0	92.1

relative CIELAB lab*

lab*lab	0.915	-0.017	0.5
lab*tch	0.75	0.5	0.256
lab*nch	0.0	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.915	0.0	0.25
lab*tce	0.75	0.25	0.25
lab*nce	0.0	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.75	0.672	0.25
cmyn3*	0.25	0.328	0.75
olvi4*	1.0	0.922	0.5
cmyn4*	0.0	0.078	0.5

standard and adapted CIELAB

LAB*LAB	69.62	-2.3	50.39
LAB*LABa	69.62	-1.74	47.97
LAB*LABb	50.0	48.0	92.09

relative CIELAB lab*

lab*lab	0.665	-0.017	0.5
lab*tch	0.625	0.25	0.256
lab*nch	0.25	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.665	0.0	0.5
lab*tce	0.625	0.25	0.25
lab*nce	0.25	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.5	0.462	0.25
cmyn3*	0.5	0.538	0.75
olvi4*	1.0	0.961	0.75
cmyn4*	0.0	0.039	0.25

standard and adapted CIELAB

LAB*LAB	53.06	-1.69	26.29
LAB*LABa	53.06	-0.87	23.98
LAB*LABb	37.5	24.0	92.09

relative CIELAB lab*

lab*lab	0.458	-0.008	0.25
lab*tch	0.375	0.25	0.256
lab*nch	0.25	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.458	0.0	0.25
lab*tce	0.375	0.25	0.25
lab*nce	0.25	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.25	0.211	0.10
cmyn3*	0.75	0.789	1.0
olvi4*	1.0	0.961	0.75
cmyn4*	0.0	0.039	0.25

standard and adapted CIELAB

LAB*LAB	33.12	-2.02	26.15
LAB*LABa	33.12	-0.87	23.97
LAB*LABb	12.5	23.99	92.09

relative CIELAB lab*

lab*lab	0.208	-0.008	0.25
lab*tch	0.125	0.25	0.256
lab*nch	0.25	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.208	0.0	0.25
lab*tce	0.125	0.25	0.25
lab*nce	0.25	0.5	0.256

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	1.0	0.883	0.25
cmyn3*	0.0	0.117	0.75
olvi4*	1.0	0.883	0.25
cmyn4*	0.0	0.117	0.75

standard and adapted CIELAB

LAB*LAB	86.18	-2.31	74.47
LAB*LABa	86.18	-2.63	71.95
LAB*LABb	62.5	72.0	92.1

relative CIELAB lab*

lab*lab	0.873	-0.026	0.749
lab*tch	0.625	0.75	0.256
lab*nch	0.0	0.75	0.256

relative Natural Colour (NC)

lab*trj	0.873	0.0	0.75
lab*tce	0.625	0.75	0.25
lab*nce	0.0	0.75	0.256

relative Inform. Technology (IT)

olvi3*	0.75	0.633	0.10
cmyn3*	0.25	0.367	1.0
olvi4*	1.0	0.883	0.25
cmyn4*	0.0	0.117	0.75

standard and adapted CIELAB

LAB*LAB	66.25	-3.23	74.34
LAB*LABa	66.25	-2.62	71.94
LAB*LABb	37.5	71.99	92.09

relative CIELAB lab*

lab*lab	0.831	-0.036	0.999
lab*tch	0.5	1.0	0.256
lab*nch	0.0	1.0	0.256

relative Natural Colour (NC)

lab*trj	0.831	0.0	1.0
lab*tce	0.5	1.0	0.25
lab*nce	0.0	1.0	0.256

relative Inform. Technology (IT)

olvi3*	0.5	0.422	0.10
cmyn3*	0.5	0.578	1.0
olvi4*	1.0	0.922	0.5
cmyn4*	0.0	0.078	0.5

standard and adapted CIELAB

LAB*LAB	49.68	-2.62	50.24
LAB*LABa	49.68	-1.74	47.96
LAB*LABb	25.0	47.99	92.09

relative CIELAB lab*

lab*lab	0.415	-0.017	0.5
lab*tch	0.25	0.5	0.256
lab*nch	0.0	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.415	0.0	0.25
lab*tce	0.25	0.5	0.25
lab*nce	0.0	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.25	0.211	0.10
cmyn3*	0.75	0.789	1.0
olvi4*	1.0	0.961	0.75
cmyn4*	0.0	0.039	0.25

standard and adapted CIELAB

LAB*LAB	33.12	-2.02	26.15
LAB*LABa	33.12	-0.87	23.97
LAB*LABb	12.5	23.99	92.09

relative CIELAB lab*

lab*lab	0.208	-0.008	0.25
lab*tch	0.125	0.25	0.256
lab*nch	0.25	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.208	0.0	0.25
lab*tce	0.125	0.25	0.25
lab*nce	0.25	0.5	0.256

$n^* = 0,25$

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

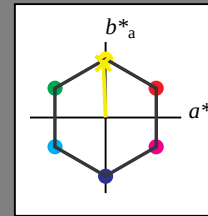
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 92/360 = 0.256$

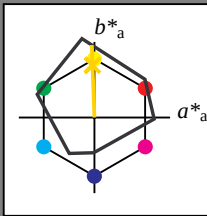
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	96.31	0.0	0.0	0.0
LAB*LABa	96.31	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	0.0
LAB*LABa	76.38	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	0.0
LAB*LABa	56.44	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	36.5	-1.09	2.19	0.0
LAB*LABa	36.5	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	-	-
lab*nce	0.75	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	0.0
LAB*LABa	16.57	0.0	0.0	0.0
LAB*LABb	0.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	1.0	0.961	0.75	(1.0)
cmyn3*	0.0	0.039	0.25	(0.0)
olvi4*	1.0	0.961	0.75	(1.0)
cmyn4*	0.0	0.039	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.93	-1.05	26.55	0.0
LAB*LABa	92.93	-0.87	23.98	0.0
LAB*LABb	87.5	2.40	92.11	0.0
relative CIELAB lab*				
lab*lab	0.958	-0.008	0.25	0.0
lab*tch	0.975	0.25	0.256	0.0
lab*nch	0.0	0.25	0.256	0.0
relative Natural Colour (NC)				
lab*trj	0.958	0.0	0.25	0.0
lab*tce	0.25	0.25	0.256	0.0
lab*nce	0.0	0.25	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.711	0.5	(1.0)
cmyn3*	0.25	0.289	0.5	(0.0)
olvi4*	1.0	0.961	0.75	(1.0)
cmyn4*	0.0	0.039	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	73.0	-1.37	26.42	0.0
LAB*LABa	73.0	-0.87	23.98	0.0
LAB*LABb	62.5	2.40	92.09	0.0
relative CIELAB lab*				
lab*lab	0.708	-0.008	0.25	0.0
lab*tch	0.625	0.25	0.256	0.0
lab*nch	0.0	0.25	0.256	0.0
relative Natural Colour (NC)				
lab*trj	0.708	0.0	0.25	0.0
lab*tce	0.625	0.25	0.25	0.0
lab*nce	0.25	0.25	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.461	0.25	(1.0)
cmyn3*	0.5	0.539	0.75	(0.0)
olvi4*	1.0	0.961	0.75	(1.0)
cmyn4*	0.0	0.039	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	53.06	-1.69	26.29	0.0
LAB*LABa	53.06	-0.87	23.98	0.0
LAB*LABb	37.5	2.40	92.09	0.0
relative CIELAB lab*				
lab*lab	0.458	-0.008	0.25	0.0
lab*tch	0.375	0.25	0.256	0.0
lab*nch	0.0	0.25	0.256	0.0
relative Natural Colour (NC)				
lab*trj	0.458	0.0	0.25	0.0
lab*tce	0.375	0.25	0.25	0.0
lab*nce	0.5	0.25	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.211	0.0	(1.0)
cmyn3*	0.75	0.789	1.0	(0.0)
olvi4*	1.0	0.961	0.75	(1.0)
cmyn4*	0.0	0.039	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	33.12	-2.02	26.15	0.0
LAB*LABa	33.12	-0.87	23.97	0.0
LAB*LABb	12.5	2.399	92.09	0.0
relative CIELAB lab*				
lab*lab	0.208	-0.008	0.25	0.0
lab*tch	0.125	0.25	0.256	0.0
lab*nch	0.0	0.25	0.256	0.0
relative Natural Colour (NC)				
lab*trj	0.208	0.0	0.25	0.0
lab*tce	0.125	0.25	0.25	0.0
lab*nce	0.75	0.25	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	1.0	0.922	0.5	(1.0)
cmyn3*	0.0	0.078	0.5	(0.0)
olvi4*	1.0	0.922	0.5	(1.0)
cmyn4*	0.0	0.078	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	89.6	-1.90	50.51	0.0
LAB*LABa	89.56	-1.75	47.96	0.0
LAB*LABb	75.0	48.0	92.1	0.0
relative CIELAB lab*				
lab*lab	0.915	-0.017	0.5	0.0
lab*tch	0.75	0.5	0.256	0.0
lab*nch	0.0	0.5	0.256	0.0
relative Natural Colour (NC)				
lab*trj	0.915	0.0	0.25	0.0
lab*tce	0.75	0.5	0.25	0.0
lab*nce	0.0	0.5	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.672	0.25	(1.0)
cmyn3*	0.25	0.328	0.75	(0.0)
olvi4*	1.0	0.922	0.5	(1.0)
cmyn4*	0.0	0.078	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.62	-2.3	50.39	0.0
LAB*LABa	69.62	-1.74	47.97	0.0
LAB*LABb	50.0	48.0	92.09	0.0
relative CIELAB lab*				
lab*lab	0.665	-0.017	0.5	0.0
lab*tch	0.625	0.5	0.256	0.0
lab*nch	0.0	0.5	0.256	0.0
relative Natural Colour (NC)				
lab*trj	0.665	0.0	0.5	0.0
lab*tce	0.625	0.5	0.25	0.0
lab*nce	0.0	0.5	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.633	0.0	(1.0)
cmyn3*	0.5	0.367	1.0	(0.0)
olvi4*	1.0	0.922	0.5	(1.0)
cmyn4*	0.0	0.078	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	66.25	-3.23	74.34	0.0
LAB*LABa	66.25	-2.62	71.94	0.0
LAB*LABb	37.5	71.99	92.09	0.0
relative CIELAB lab*				
lab*lab	0.623	-0.026	0.749	0.0
lab*tch	0.375	0.75	0.256	0.0
lab*nch	0.0	0.75	0.256	0.0
relative Natural Colour (NC)				
lab*trj	0.623	0.0	0.75	0.0
lab*tce	0.375	0.75	0.25	0.0
lab*nce	0.25	0.75	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.422	0.0	(1.0)
cmyn3*	0.75	0.578	1.0	(0.0)
olvi4*	1.0	0.922	0.5	(1.0)
cmyn4*	0.0	0.078	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	49.68	-2.62	50.24	0.0
LAB*LABa	49.68	-1.74	47.96	0.0
LAB*LABb	25.0	47.99	92.09	0.0
relative CIELAB lab*				
lab*lab	0.415	-0.017	0.5	0.0
lab*tch	0.25	0.5	0.256	0.0
lab*nch	0.0	0.5	0.256	0.0
relative Natural Colour (NC)				
lab*trj	0.415	0.0	0.5	0.0
lab*tce	0.25	0.5	0.25	0.0
lab*nce	0.5	0.5	0.256	0.0

%Reg	
$g^*_{H,rel}$	
$g^*_{C,rel}$	

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

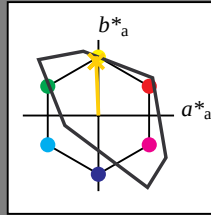
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	56.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	37.37	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	18.03	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	1.0	0.954	0.75	(1.0)
cmyn3*	0.0	0.046	0.25	(0.0)
olvi4*	1.0	0.954	0.75	(1.0)
cmyn4*	0.0	0.046	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	92.9	-0.79	19.62
LAB*LABa	92.9	-0.79	19.62
LAB*LABb	87.5	-19.64	92.33

relative CIELAB lab*

lab*lab	0.968	-0.009	0.25
lab*tch	0.975	0.25	0.25
lab*nch	0.0	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.968	0.0	0.25
lab*tce	0.0	0.25	0.25
lab*nce	0.0	0.25	0.008

relative Inform. Technology (IT)

olvi3*	0.75	0.704	0.5	(1.0)
cmyn3*	0.25	0.296	0.5	(0.0)
olvi4*	1.0	0.954	0.75	(1.0)
cmyn4*	0.0	0.046	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	73.55	-0.78	19.63
LAB*LABa	73.55	-0.78	19.63
LAB*LABb	62.5	-19.64	92.31

relative CIELAB lab*

lab*lab	0.718	-0.009	0.25
lab*tch	0.625	0.25	0.256
lab*nch	0.0	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.718	0.0	0.25
lab*tce	0.625	0.25	0.25
lab*nce	0.25	0.25	0.999

relative Inform. Technology (IT)

olvi3*	0.5	0.454	0.25	(1.0)
cmyn3*	0.5	0.546	0.25	(0.0)
olvi4*	1.0	0.954	0.75	(1.0)
cmyn4*	0.0	0.046	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	54.2	-0.78	19.63
LAB*LABa	54.2	-0.78	19.63
LAB*LABb	37.5	-19.64	92.31

relative CIELAB lab*

lab*lab	0.468	-0.009	0.25
lab*tch	0.375	0.25	0.256
lab*nch	0.0	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.468	0.0	0.25
lab*tce	0.375	0.25	0.25
lab*nce	0.5	0.25	0.999

relative Inform. Technology (IT)

olvi3*	0.25	0.204	0.0	(1.0)
cmyn3*	0.75	0.796	1.0	(0.0)
olvi4*	1.0	0.954	0.75	(1.0)
cmyn4*	0.0	0.046	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	34.85	-0.78	19.62
LAB*LABa	34.85	-0.78	19.62
LAB*LABb	12.5	-19.64	92.31

relative CIELAB lab*

lab*lab	0.218	-0.009	0.25
lab*tch	0.125	0.25	0.256
lab*nch	0.0	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.218	0.0	0.25
lab*tce	0.125	0.25	0.25
lab*nce	0.75	0.25	0.999

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	18.03	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,25$

relative Inform. Technology (IT)

olvi3*	1.0	0.908	0.5	(1.0)
cmyn3*	0.0	0.092	0.5	(0.0)
olvi4*	1.0	0.908	0.5	(1.0)
cmyn4*	0.0	0.092	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	90.39	-1.58	39.25
LAB*LABa	90.39	-1.58	39.25
LAB*LABb	75.0	-39.29	92.32

relative CIELAB lab*

lab*lab	0.935	-0.019	0.499
lab*tch	0.75	0.5	0.256
lab*nch	0.0	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.935	0.0	0.25
lab*tce	0.75	0.5	0.25
lab*nce	0.0	0.5	0.008

relative Inform. Technology (IT)

olvi3*	0.75	0.658	0.25	(1.0)
cmyn3*	0.25	0.342	0.25	(0.0)
olvi4*	1.0	0.908	0.5	(1.0)
cmyn4*	0.0	0.092	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	71.05	-1.58	39.26
LAB*LABa	71.05	-1.58	39.26
LAB*LABb	50.0	-39.29	92.31

relative CIELAB lab*

lab*lab	0.685	-0.019	0.5
lab*tch	0.625	0.25	0.256
lab*nch	0.0	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.685	0.0	0.5
lab*tce	0.625	0.25	0.25
lab*nce	0.0	0.25	0.999

relative Inform. Technology (IT)

olvi3*	0.5	0.612	0.0	(1.0)
cmyn3*	0.5	0.388	1.0	(0.0)
olvi4*	1.0	0.908	0.5	(1.0)
cmyn4*	0.0	0.138	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	65.38	-3.17	78.5
LAB*LABa	65.38	-3.17	78.5
LAB*LABb	50.0	-78.57	92.32

relative CIELAB lab*

lab*lab	0.87	-0.039	0.999
lab*tch	0.5	1.0	0.256
lab*nch	0.0	1.0	0.256

relative Natural Colour (NC)

lab*trj	0.87	0.0	1.0
lab*tce	0.5	1.0	0.25
lab*nce	0.0	1.0	0.008

relative Inform. Technology (IT)

olvi3*	0.25	0.408	0.0	(1.0)
cmyn3*	0.75	0.592	1.0	(0.0)
olvi4*	1.0	0.908	0.5	(1.0)
cmyn4*	0.0	0.092	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	51.7	-1.57	39.25
LAB*LABa	51.7	-1.57	39.25
LAB*LABb	25.01	-39.29	92.31

relative CIELAB lab*

lab*lab	0.435	-0.019	0.499
lab*tch	0.25	0.5	0.256
lab*nch	0.0	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.435	0.0	0.25
lab*tce	0.25	0.5	0.25
lab*nce	0.0	0.5	0.999

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	18.03	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	1.0	0.862	0.25	(1.0)
cmyn3*	0.0	0.138	0.75	(0.0)
olvi4*	1.0	0.862	0.25	(1.0)
cmyn4*	0.0	0.138	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	87.89	-2.38	58.88
LAB*LABa	87.89	-2.38	58.88
LAB*LABb	62.5	-58.93	92.32

relative CIELAB lab*

lab*lab	0.903	-0.029	0.749
lab*tch	0.625	0.75	0.256
lab*nch	0.0	0.75	0.256

relative Natural Colour (NC)

lab*trj	0.903	0.0	0.25
lab*tce	0.625	0.75	0.25
lab*nce	0.0	0.75	0.008

relative Inform. Technology (IT)

olvi3*	0.75	0.816	0.0	(1.0)
cmyn3*	0.25	0.184	1.0	(0.0)
olvi4*	1.0	0.816	0.0	(1.0)
cmyn4*	0.0	0.184	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	65.38	-3.17	78.5
LAB*LABa	65.38	-3.17	78.5
LAB*LABb	50.0	-78.57	92.32

relative CIELAB lab*

lab*lab	0.87	-0.039	0.999
lab*tch	0.5	1.0	0.256
lab*nch	0.0	1.0	0.256

relative Natural Colour (NC)

lab*trj	0.87	0.0	1.0
lab*tce	0.5	1.0	0.25
lab*nce	0.0	1.0	0.008

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	47.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

$n^* = 0,25$

black

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

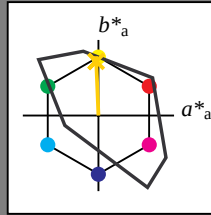
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.75 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

0,00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 92/360 = 0.256$

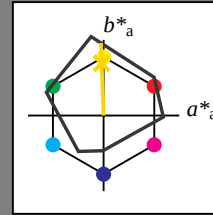
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 96.31 \ 0.11 \ 2.58$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.38 \ 0.44 \ 2.45$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.44 \ 0.76 \ 2.32$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 36.5 \ 1.09 \ 2.19$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.75 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.57 \ 1.41 \ 2.06$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	42.21	66.82	50.6	83.82	37
YMa	90.32	-16.51	104.33	105.63	99
LMa	48.21	-75.63	30.65	81.61	158
CMa	53.44	-33.33	-47.49	58.03	235
VMa	34.16	-0.92	-46.56	46.58	269
MMa	42.71	79.0	-1.95	79.03	359
NMa	16.56	0.0	0.0	0.0	0
WMa	96.31	0.0	0.0	0.0	0
RCIE	39.92	59.78	25.77	65.1	23
JCIE	81.26	-2.51	69.07	69.11	92
GCIE	52.23	-41.57	11.3	43.09	165
BCIE	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.92 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.078 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.92 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.039 \ 0.25 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 89.56 \ 1.98 \ 50.51$
 $LAB^*TCha \ 89.56 \ 1.75 \ 47.96$

relative CIELAB lab*
 $lab^*lab \ 0.915 \ -0.017 \ 0.5$
 $lab^*tch \ 0.75 \ 0.5 \ 0.256$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.915 \ 0.5 \ 0.25$
 $lab^*tce \ 0.0 \ 0.5 \ 0.25$
 $lab^*nce \ 0.0 \ 0.5 \ 0.25$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.71 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.289 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.961 \ 0.75 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.039 \ 0.25 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 73.0 \ 1.37 \ 26.42$
 $LAB^*TCha \ 73.0 \ 1.07 \ 23.98$

relative CIELAB lab*
 $lab^*lab \ 0.708 \ -0.008 \ 0.25$
 $lab^*tch \ 0.625 \ 0.25 \ 0.256$
 $lab^*nch \ 0.25 \ 0.25 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.708 \ 0.0 \ 0.25$
 $lab^*tce \ 0.625 \ 0.25 \ 0.25$
 $lab^*nce \ 0.25 \ 0.25 \ 0.25$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.461 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.339 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.961 \ 0.75 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.039 \ 0.25 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 53.06 \ 1.69 \ 26.29$
 $LAB^*TCha \ 53.06 \ 1.69 \ 23.98$

relative CIELAB lab*
 $lab^*lab \ 0.665 \ -0.017 \ 0.5$
 $lab^*tch \ 0.625 \ 0.25 \ 0.256$
 $lab^*nch \ 0.25 \ 0.25 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.665 \ 0.5 \ 0.25$
 $lab^*tce \ 0.5 \ 0.25 \ 0.25$
 $lab^*nce \ 0.25 \ 0.25 \ 0.25$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.422 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.789 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.961 \ 0.75 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.078 \ 0.5 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 49.68 \ 2.62 \ 50.24$
 $LAB^*TCha \ 49.68 \ 1.74 \ 47.96$

relative CIELAB lab*
 $lab^*lab \ 0.623 \ -0.026 \ 0.75$
 $lab^*tch \ 0.375 \ 0.75 \ 0.256$
 $lab^*nch \ 0.25 \ 0.75 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.623 \ 0.0 \ 0.75$
 $lab^*tce \ 0.375 \ 0.75 \ 0.25$
 $lab^*nce \ 0.25 \ 0.75 \ 0.25$

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

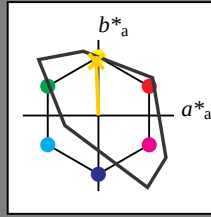
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	1.0	0.954	0.75	(1.0)
cmyn3*	0.0	0.046	0.25	(0.0)
olvi4*	1.0	0.954	0.75	(1.0)
cmyn4*	0.0	0.046	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.9	-0.79	19.62	
LAB*LABa	92.9	-0.79	19.62	
LAB*TCRa	87.5	19.64	92.33	
relative CIELAB lab*				
lab*lab	0.968	-0.009	0.25	
lab*tch	0.875	0.25	0.256	
lab*nch	0.0	0.25	0.256	
relative Natural Colour (NC)				
lab*trj	0.968	0.0	0.25	
lab*tce	0.875	0.25	0.256	
lab*nce	0.0	0.25	0.256	

relative Inform. Technology (IT)				
olvi3*	0.75	0.704	0.5	(1.0)
cmyn3*	0.25	0.296	0.5	(0.0)
olvi4*	1.0	0.954	0.75	(1.0)
cmyn4*	0.0	0.046	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	73.55	-0.78	19.63	
LAB*LABa	73.55	-0.78	19.63	
LAB*TCRa	62.5	19.64	92.31	
relative CIELAB lab*				
lab*lab	0.718	-0.009	0.25	
lab*tch	0.625	0.25	0.256	
lab*nch	0.0	0.25	0.256	
relative Natural Colour (NC)				
lab*trj	0.718	0.0	0.25	
lab*tce	0.625	0.25	0.256	
lab*nce	0.0	0.25	0.256	

relative Inform. Technology (IT)				
olvi3*	0.5	0.454	0.25	(1.0)
cmyn3*	0.5	0.546	0.25	(0.0)
olvi4*	1.0	0.954	0.75	(1.0)
cmyn4*	0.0	0.046	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	54.2	-0.78	19.63	
LAB*LABa	54.2	-0.78	19.63	
LAB*TCRa	37.5	19.64	92.31	
relative CIELAB lab*				
lab*lab	0.468	-0.009	0.25	
lab*tch	0.375	0.25	0.256	
lab*nch	0.0	0.25	0.256	
relative Natural Colour (NC)				
lab*trj	0.468	0.0	0.25	
lab*tce	0.375	0.25	0.256	
lab*nce	0.0	0.25	0.256	

relative Inform. Technology (IT)				
olvi3*	0.25	0.204	0.0	(1.0)
cmyn3*	0.75	0.796	1.0	(0.0)
olvi4*	1.0	0.954	0.75	(1.0)
cmyn4*	0.0	0.046	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	34.85	-0.78	19.62	
LAB*LABa	34.85	-0.78	19.62	
LAB*TCRa	12.5	19.64	92.31	
relative CIELAB lab*				
lab*lab	0.218	-0.009	0.25	
lab*tch	0.125	0.25	0.256	
lab*nch	0.0	0.25	0.256	
relative Natural Colour (NC)				
lab*trj	0.218	0.0	0.25	
lab*tce	0.125	0.25	0.256	
lab*nce	0.0	0.25	0.256	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

$n^* = 0,25$

relative Inform. Technology (IT)				
olvi3*	1.0	0.908	0.5	(1.0)
cmyn3*	0.0	0.092	0.5	(0.0)
olvi4*	1.0	0.908	0.5	(1.0)
cmyn4*	0.0	0.092	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	90.39	-1.58	39.25	
LAB*LABa	90.39	-1.58	39.25	
LAB*TCRa	75.0	39.29	92.32	
relative CIELAB lab*				
lab*lab	0.935	-0.019	0.499	
lab*tch	0.75	0.5	0.256	
lab*nch	0.0	0.5	0.256	
relative Natural Colour (NC)				
lab*trj	0.935	0.0	0.25	
lab*tce	0.75	0.5	0.256	
lab*nce	0.0	0.5	0.256	

relative Inform. Technology (IT)				
olvi3*	0.75	0.658	0.25	(1.0)
cmyn3*	0.25	0.342	0.25	(0.0)
olvi4*	1.0	0.908	0.5	(1.0)
cmyn4*	0.0	0.092	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.05	-1.58	39.26	
LAB*LABa	71.05	-1.58	39.26	
LAB*TCRa	50.0	39.29	92.31	
relative CIELAB lab*				
lab*lab	0.685	-0.019	0.5	
lab*tch	0.625	0.25	0.256	
lab*nch	0.0	0.25	0.256	
relative Natural Colour (NC)				
lab*trj	0.685	0.0	0.5	
lab*tce	0.625	0.25	0.256	
lab*nce	0.0	0.25	0.256	

relative Inform. Technology (IT)				
olvi3*	0.5	0.612	0.0	(1.0)
cmyn3*	0.5	0.388	1.0	(0.0)
olvi4*	1.0	0.908	0.5	(1.0)
cmyn4*	0.0	0.138	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	65.38	-3.17	78.5	
LAB*LABa	65.38	-3.17	78.5	
LAB*TCRa	50.0	78.57	92.32	
relative CIELAB lab*				
lab*lab	0.87	-0.039	0.999	
lab*tch	0.5	1.0	0.256	
lab*nch	0.0	1.0	0.256	
relative Natural Colour (NC)				
lab*trj	0.87	0.0	1.0	
lab*tce	0.5	1.0	0.256	
lab*nce	0.0	1.0	0.256	

relative Inform. Technology (IT)				
olvi3*	0.25	0.408	0.0	(1.0)
cmyn3*	0.75	0.592	1.0	(0.0)
olvi4*	1.0	0.908	0.5	(1.0)
cmyn4*	0.0	0.092	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	51.7	-1.57	39.25	
LAB*LABa	51.7	-1.57	39.25	
LAB*TCRa	25.01	39.29	92.31	
relative CIELAB lab*				
lab*lab	0.435	-0.019	0.499	
lab*tch	0.25	0.5	0.256	
lab*nch	0.0	0.5	0.256	
relative Natural Colour (NC)				
lab*trj	0.435	0.0	0.5	
lab*tce	0.25	0.5	0.256	
lab*nce	0.0	0.5	0.256	

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

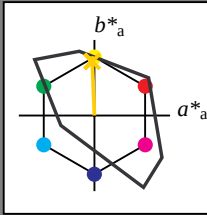
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*LABb	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*LABb	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*LABb	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*LABb	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.9	-0.79	19.62	
LAB*LABa	92.9	-0.79	19.62	
LAB*LABb	87.5	19.64	92.33	
relative CIELAB lab*				
lab*lab	0.968	0.0	0.25	
lab*lab	0.968	0.0	0.25	
lab*lab	0.968	0.0	0.25	
relative Natural Colour (NC)				
lab*lab	0.968	0.0	0.25	
lab*lab	0.968	0.0	0.25	
lab*lab	0.968	0.0	0.25	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	73.55	-0.78	19.63	
LAB*LABa	73.55	-0.78	19.63	
LAB*LABb	75.0	19.64	92.31	
relative CIELAB lab*				
lab*lab	0.718	0.0	0.25	
lab*lab	0.718	0.0	0.25	
lab*lab	0.718	0.0	0.25	
relative Natural Colour (NC)				
lab*lab	0.718	0.0	0.25	
lab*lab	0.718	0.0	0.25	
lab*lab	0.718	0.0	0.25	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	54.2	-0.78	19.63	
LAB*LABa	54.2	-0.78	19.63	
LAB*LABb	50.0	19.64	92.31	
relative CIELAB lab*				
lab*lab	0.468	-0.009	0.25	
lab*lab	0.468	-0.009	0.25	
lab*lab	0.468	-0.009	0.25	
relative Natural Colour (NC)				
lab*lab	0.468	-0.009	0.25	
lab*lab	0.468	-0.009	0.25	
lab*lab	0.468	-0.009	0.25	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	34.85	-0.78	19.62	
LAB*LABa	34.85	-0.78	19.62	
LAB*LABb	37.5	19.64	92.31	
relative CIELAB lab*				
lab*lab	0.218	-0.009	0.25	
lab*lab	0.218	-0.009	0.25	
lab*lab	0.218	-0.009	0.25	
relative Natural Colour (NC)				
lab*lab	0.218	-0.009	0.25	
lab*lab	0.218	-0.009	0.25	
lab*lab	0.218	-0.009	0.25	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*LABb	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)				
olvi3*	1.0	0.908	0.5	(1.0)
cmyn3*	0.0	0.092	0.5	(0.0)
olvi4*	1.0	0.908	0.5	(1.0)
cmyn4*	0.0	0.092	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	90.39	-1.58	39.25	
LAB*LABa	90.39	-1.58	39.25	
LAB*LABb	75.0	19.62	92.32	
relative CIELAB lab*				
*lab	0.935	0.019	0.499	
*a	0.75	0.5	0.256	
*b	0.0	0.5	0.256	
relative Natural Colour (NC)				
*lri	0.935	0.0	0.5	
*tce	0.75	0.5	0.25	
*nCE	0.0	0.5	0.00g	

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

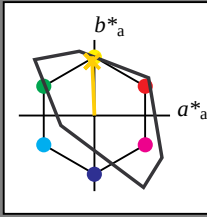
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

$n^* = 1.0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olvi3* 1.0 0.908 0.5 (1.0)
cmyn3* 0.0 0.092 0.5 (0.0)
olvi4* 1.0 0.908 0.5 (1.0)
cmyn4* 0.0 0.092 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 90.39 -1.58 39.25
LAB*LABa 90.39 -1.58 39.25
LAB*TCRa 75.0 -0.29 92.32

relative CIELAB lab*
lab*lab 0.908 -0.009 0.25
lab*tch 0.908 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.908 0.25 0.25
lab*tce 0.25 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.75 0.704 0.5 (1.0)
cmyn3* 0.25 0.296 0.5 (0.0)
olvi4* 1.0 0.908 0.5 (1.0)
cmyn4* 0.0 0.046 0.25 0.25
standard and adapted CIELAB
LAB*LAB 73.55 -0.78 19.63
LAB*LABa 73.55 -0.78 19.63
LAB*TCRa 62.5 -0.64 92.31

relative CIELAB lab*
lab*lab 0.718 -0.009 0.25
lab*tch 0.625 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.718 0.25 0.25
lab*tce 0.625 0.25 0.25
lab*nce 0.25 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.5 0.454 0.25 (1.0)
cmyn3* 0.5 0.546 0.75 (0.0)
olvi4* 1.0 0.908 0.5 (1.0)
cmyn4* 0.0 0.046 0.25 0.5
standard and adapted CIELAB
LAB*LAB 54.2 -0.78 19.63
LAB*LABa 54.2 -0.78 19.63
LAB*TCRa 37.5 -0.64 92.31

relative CIELAB lab*
lab*lab 0.468 -0.009 0.25
lab*tch 0.375 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.468 0.25 0.25
lab*tce 0.375 0.25 0.25
lab*nce 0.5 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.25 0.204 0.0 (1.0)
cmyn3* 0.75 0.796 1.0 (0.0)
olvi4* 1.0 0.908 0.5 (1.0)
cmyn4* 0.0 0.092 0.5 0.5
standard and adapted CIELAB
LAB*LAB 51.7 -1.57 39.25
LAB*LABa 51.7 -1.57 39.25
LAB*TCRa 25.01 39.28 92.31

relative CIELAB lab*
lab*lab 0.435 -0.019 0.499
lab*tch 0.25 0.5 0.25
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*trj 0.435 0.5 0.25
lab*tce 0.25 0.5 0.25
lab*nce 0.5 0.5 0.25

$n^* = 0.50$

0.75

$n^* = 0.00$

0.25

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

0.75

1.00

chromaticness c^*

$n^* = 1.0$

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

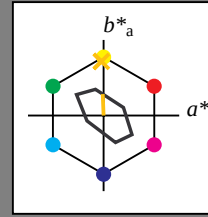
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 65.38 -3.17 78.5
LAB*LABa 65.38 -3.17 78.5
LAB*TCRa 50.0 78.57 92.32

relative CIELAB lab*
lab*lab 0.87 -0.039 0.999
lab*tch 0.87 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.87 0.25 0.25
lab*tce 0.5 0.25 0.25
lab*nce 0.5 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 61.13 0.0 0.0
LAB*LABa 61.13 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

$n^* = 1.0$

0.75

$n^* = 0.00$

0.25

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

0.75

1.00

chromaticness c^*

$n^* = 1.0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 1.0 0.935 0.75 (1.0)
cmyn3* 0.0 0.065 0.25 (0.0)
olvi4* 1.0 0.935 0.75 (1.0)
cmyn4* 0.0 0.065 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 92.4 -0.57 14.19
LAB*LABa 92.4 -0.57 14.19
LAB*TCRa 75.0 14.2 92.32

relative CIELAB lab*
lab*lab 0.941 -0.009 0.25
lab*tch 0.941 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.941 0.25 0.25
lab*tce 0.25 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.75 0.685 0.5 (1.0)
cmyn3* 0.25 0.315 0.5 (0.0)
olvi4* 1.0 0.935 0.75 (1.0)
cmyn4* 0.0 0.065 0.25 0.25
standard and adapted CIELAB
LAB*LAB 87.48 -0.28 7.09
LAB*LABa 87.48 -0.28 7.09
LAB*TCRa 62.5 7.1 92.31

relative CIELAB lab*
lab*lab 0.691 -0.009 0.25
lab*tch 0.625 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.691 0.25 0.25
lab*tce 0.625 0.25 0.25
lab*nce 0.25 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.5 0.435 0.25 (1.0)
cmyn3* 0.5 0.565 0.75 (0.0)
olvi4* 1.0 0.935 0.75 (1.0)
cmyn4* 0.0 0.065 0.25 0.5
standard and adapted CIELAB
LAB*LAB 85.97 -0.56 14.19
LAB*LABa 85.97 -0.56 14.19
LAB*TCRa 50.0 14.2 92.31

relative CIELAB lab*
lab*lab 0.633 -0.019 0.5
lab*tch 0.633 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.633 0.25 0.25
lab*tce 0.5 0.25 0.25
lab*nce 0.5 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.25 0.37 0.0 (1.0)
cmyn3* 0.75 0.63 1.0 (0.0)
olvi4* 1.0 0.935 0.75 (1.0)
cmyn4* 0.0 0.13 0.5 0.5
standard and adapted CIELAB
LAB*LAB 79.54 -0.56 14.19
LAB*LABa 79.54 -0.56 14.19
LAB*TCRa 25.01 14.2 92.31

relative CIELAB lab*
lab*lab 0.383 -0.019 0.499
lab*tch 0.25 0.5 0.25
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*trj 0.383 0.5 0.25
lab*tce 0.25 0.5 0.25
lab*nce 0.5 0.5 0.25

$n^* = 0.50$

0.75

$n^* = 0.00$

0.25

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

0.75

1.00

chromaticness c^*

$n^* = 1.0$

OE500-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

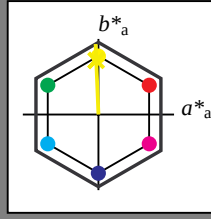
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0.75

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

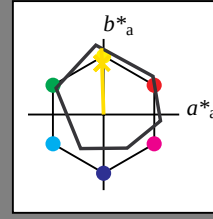
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*TChe 99.99 0.02 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*ch 1.0 0.0 -

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 71.57 0.0 0.0

LAB*TChe 75.0 0.02 -

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*ch 0.75 0.0 -

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*nce 0.25 0.0 -

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 47.72 0.0 0.0

LAB*TChe 50.0 0.02 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*ch 0.5 0.0 -

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*nce 0.5 0.0 -

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 23.87 0.0 0.0

LAB*TChe 25.0 0.02 -

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*ch 0.25 0.0 -

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*nce 0.25 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*TChe 0.01 0.02 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*ch 0.0 0.0 -

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*TChe 0.01 0.02 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*ch 0.0 0.0 -

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*TChe 0.01 0.02 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*ch 0.0 0.0 -

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*TChe 0.01 0.02 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*ch 0.0 0.0 -

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*TChe 0.01 0.02 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*ch 0.0 0.0 -

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*TChe 0.01 0.02 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*ch 0.0 0.0 -

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*TChe 0.01 0.02 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*ch 0.0 0.0 -

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*TChe 0.01 0.02 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*ch 0.0 0.0 -

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

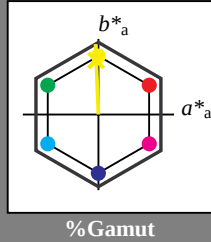
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.977	1.0	0.5	(1.0)
cmyn3*	0.023	0.0	0.5	(0.0)
olvi4*	0.977	1.0	0.5	(1.0)
cmyn4*	0.023	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	78.78	1.86	46.61
LAB*LABa	78.78	1.86	46.61
LAB*LABb	75.0	46.65	92.31

relative CIELAB lab*

lab*lab	0.826	-0.019	0.499
lab*tch	0.75	0.5	0.256
lab*nch	0.0	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.826	0.0	0.25
lab*tce	0.75	0.5	0.25
lab*nce	0.0	0.5	0.25

relative Inform. Technology (IT)

olvi3*	0.727	0.75	0.25	(1.0)
cmyn3*	0.273	0.25	0.75	(0.0)
olvi4*	0.977	1.0	0.5	(1.0)
cmyn4*	0.023	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	54.94	-1.87	46.61
LAB*LABa	54.94	-1.87	46.61
LAB*LABb	50.0	46.65	92.31

relative CIELAB lab*

lab*lab	0.576	-0.019	0.5
lab*tch	0.625	0.25	0.256
lab*nch	0.0	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.576	0.0	0.5
lab*tce	0.625	0.25	0.25
lab*nce	0.0	0.25	0.25

relative Inform. Technology (IT)

olvi3*	0.489	0.5	0.25	(1.0)
cmyn3*	0.511	0.5	0.75	(0.0)
olvi4*	0.977	1.0	0.5	(1.0)
cmyn4*	0.011	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	39.4	-0.93	23.31
LAB*LABa	39.4	-0.93	23.31
LAB*LABb	37.5	23.32	92.31

relative CIELAB lab*

lab*lab	0.413	-0.009	0.25
lab*tch	0.375	0.25	0.256
lab*nch	0.0	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.413	0.0	0.25
lab*tce	0.375	0.25	0.25
lab*nce	0.0	0.25	0.25

relative Inform. Technology (IT)

olvi3*	0.239	0.25	0.0	(1.0)
cmyn3*	0.761	0.75	1.0	(0.0)
olvi4*	0.989	1.0	0.75	(1.0)
cmyn4*	0.011	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	15.55	-0.93	23.31
LAB*LABa	15.55	-0.93	23.31
LAB*LABb	12.5	23.32	92.31

relative CIELAB lab*

lab*lab	0.163	-0.009	0.25
lab*tch	0.125	0.25	0.256
lab*nch	0.0	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.163	0.0	0.25
lab*tce	0.125	0.25	0.25
lab*nce	0.0	0.25	0.25

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.966	1.0	0.25	(1.0)
cmyn3*	0.034	0.0	0.75	(0.0)
olvi4*	0.966	1.0	0.25	(1.0)
cmyn4*	0.034	0.0	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	70.47	-2.81	69.91
LAB*LABa	70.47	-2.81	69.91
LAB*LABb	62.5	69.97	92.31

relative CIELAB lab*

lab*lab	0.739	-0.029	0.749
lab*tch	0.625	0.75	0.256
lab*nch	0.0	0.75	0.256

relative Natural Colour (NC)

lab*trj	0.739	0.0	0.75
lab*tce	0.625	0.75	0.25
lab*nce	0.0	0.75	0.25

relative Inform. Technology (IT)

olvi3*	0.504	1.0	0.0	(1.0)
cmyn3*	0.496	0.0	1.0	(0.0)
olvi4*	0.504	1.0	0.0	(1.0)
cmyn4*	0.496	0.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.16	-3.75	93.21
LAB*LABa	62.16	-3.75	93.21
LAB*LABb	50.0	93.29	92.31

relative CIELAB lab*

lab*lab	0.651	-0.039	0.999
lab*tch	0.5	1.0	0.256
lab*nch	0.0	1.0	0.256

relative Natural Colour (NC)

lab*trj	0.651	0.0	1.0
lab*tce	0.5	1.0	0.25
lab*nce	0.0	1.0	0.25

$n^* = 0,00$

0,25

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

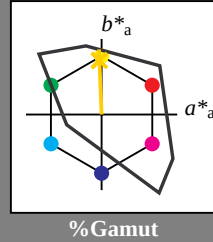
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

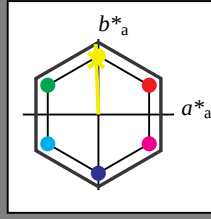
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.977	1.0	0.5	(1.0)
cmyn3*	0.023	0.0	0.5	(0.0)
olvi4*	0.977	1.0	0.5	(1.0)
cmyn4*	0.023	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	78.78	1.86	46.61
LAB*LABa	78.78	1.86	46.61
LAB*LABb	75.0	0.02	92.31

relative CIELAB lab*

lab*lab	0.977	0.023	0.5
lab*tch	0.977	0.023	0.5
lab*nch	0.0	0.0	0.5

relative Natural Colour (NC)

lab*trj	0.977	0.023	0.5
lab*tce	0.023	0.0	0.5
lab*nce	0.023	0.0	0.5

relative Inform. Technology (IT)

olvi3*	0.727	0.75	0.25	(1.0)
cmyn3*	0.273	0.25	0.75	(0.0)
olvi4*	0.977	1.0	0.5	(1.0)
cmyn4*	0.023	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	54.94	-1.87	46.61
LAB*LABa	54.94	-1.87	46.61
LAB*LABb	50.0	0.02	92.31

relative CIELAB lab*

lab*lab	0.727	0.023	0.25
lab*tch	0.727	0.023	0.25
lab*nch	0.023	0.0	0.25

relative Natural Colour (NC)

lab*trj	0.727	0.023	0.25
lab*tce	0.023	0.0	0.25
lab*nce	0.023	0.0	0.25

relative Inform. Technology (IT)

olvi3*	0.489	0.5	0.25	(1.0)
cmyn3*	0.511	0.5	0.75	(0.0)
olvi4*	0.977	1.0	0.5	(1.0)
cmyn4*	0.011	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	39.4	-0.93	23.31
LAB*LABa	39.4	-0.93	23.31
LAB*LABb	37.5	0.02	92.31

relative CIELAB lab*

lab*lab	0.413	0.009	0.25
lab*tch	0.413	0.009	0.25
lab*nch	0.009	0.0	0.25

relative Natural Colour (NC)

lab*trj	0.413	0.009	0.25
lab*tce	0.009	0.0	0.25
lab*nce	0.009	0.0	0.25

relative Inform. Technology (IT)

olvi3*	0.239	0.25	0.0	(1.0)
cmyn3*	0.761	0.75	1.0	(0.0)
olvi4*	0.977	1.0	0.5	(1.0)
cmyn4*	0.011	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	15.55	-0.93	23.31
LAB*LABa	15.55	-0.93	23.31
LAB*LABb	12.5	0.02	92.31

relative CIELAB lab*

lab*lab	0.163	0.009	0.25
lab*tch	0.163	0.009	0.25
lab*nch	0.009	0.0	0.25

relative Natural Colour (NC)

lab*trj	0.163	0.009	0.25
lab*tce	0.009	0.0	0.25
lab*nce	0.009	0.0	0.25

$n^* = 0,50$

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System DRXXX

for hue $h^* = lab^*h = 92/360 = 0.256$

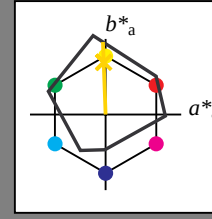
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.11	2.58
LAB*LABa	96.31	0.11	2.58
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	0.44	2.45
LAB*LABa	76.38	0.44	2.45
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.16	-3.75	93.21
LAB*LABa	62.16	-3.75	93.21
LAB*LABb	50.0	0.02	92.31

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	1.09	2.19
LAB*LABa	36.5	1.09	2.19
LAB*LABb	35.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	-1.41	2.06
LAB*LABb	15.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

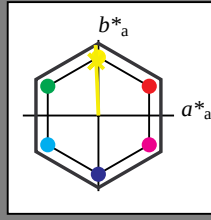
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ 1.0$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ 1.0$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ 1.0$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.977 \ 1.0 \ 0.5 \ 1.0$
 $cmyn3^* \ 0.023 \ 0.0 \ 0.5 \ 0.0$
 $olvi4^* \ 0.977 \ 1.0 \ 0.5 \ 1.0$
 $cmyn4^* \ 0.023 \ 0.0 \ 0.5 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 78.78 \ 1.86 \ 46.61$
 $LAB^*TCha \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.977 \ 1.0 \ 0.5$
 $lab^*tch \ 0.977 \ 1.0 \ 0.5$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.977 \ 1.0 \ 0.5$
 $lab^*tce \ 0.977 \ 1.0 \ 0.5$
 $lab^*nce \ 0.0 \ 0.5 \ 0.256$

relative Inform. Technology (IT)
 $olvi3^* \ 0.727 \ 0.75 \ 0.25 \ 1.0$
 $cmyn3^* \ 0.273 \ 0.25 \ 0.75 \ 0.0$
 $olvi4^* \ 0.977 \ 1.0 \ 0.5 \ 1.0$
 $cmyn4^* \ 0.023 \ 0.0 \ 0.5 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 54.94 \ -1.87 \ 46.61$
 $LAB^*TCha \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.727 \ 0.75 \ 0.25$
 $lab^*tch \ 0.727 \ 0.75 \ 0.25$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.727 \ 0.75 \ 0.25$
 $lab^*tce \ 0.727 \ 0.75 \ 0.25$
 $lab^*nce \ 0.0 \ 0.5 \ 0.256$

relative Inform. Technology (IT)
 $olvi3^* \ 0.716 \ 0.75 \ 0.0 \ 1.0$
 $cmyn3^* \ 0.284 \ 0.25 \ 1.0 \ 0.0$
 $olvi4^* \ 0.977 \ 1.0 \ 0.5 \ 1.0$
 $cmyn4^* \ 0.034 \ 0.0 \ 0.75 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 46.63 \ -2.81 \ 69.91$
 $LAB^*TCha \ 37.51 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.716 \ 0.75 \ 0.0$
 $lab^*tch \ 0.716 \ 0.75 \ 0.0$
 $lab^*nch \ 0.0 \ 1.0 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.716 \ 0.75 \ 0.0$
 $lab^*tce \ 0.716 \ 0.75 \ 0.0$
 $lab^*nce \ 0.0 \ 1.0 \ 0.256$

relative Inform. Technology (IT)
 $olvi3^* \ 0.489 \ 0.5 \ 0.25 \ 1.0$
 $cmyn3^* \ 0.511 \ 0.5 \ 0.75 \ 0.0$
 $olvi4^* \ 0.977 \ 1.0 \ 0.5 \ 1.0$
 $cmyn4^* \ 0.011 \ 0.0 \ 0.25 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 39.4 \ -0.93 \ 23.31$
 $LAB^*TCha \ 37.5 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.489 \ 0.5 \ 0.25$
 $lab^*tch \ 0.489 \ 0.5 \ 0.25$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.489 \ 0.5 \ 0.25$
 $lab^*tce \ 0.489 \ 0.5 \ 0.25$
 $lab^*nce \ 0.0 \ 0.5 \ 0.256$

relative Inform. Technology (IT)
 $olvi3^* \ 0.239 \ 0.25 \ 0.0 \ 1.0$
 $cmyn3^* \ 0.761 \ 0.75 \ 1.0 \ 0.0$
 $olvi4^* \ 0.977 \ 1.0 \ 0.5 \ 1.0$
 $cmyn4^* \ 0.023 \ 0.0 \ 0.5 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 31.09 \ -1.87 \ 46.6$
 $LAB^*TCha \ 25.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.239 \ 0.25 \ 0.0$
 $lab^*tch \ 0.239 \ 0.25 \ 0.0$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.239 \ 0.25 \ 0.0$
 $lab^*tce \ 0.239 \ 0.25 \ 0.0$
 $lab^*nce \ 0.0 \ 0.5 \ 0.256$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

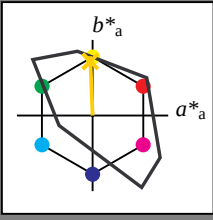
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ 1.0$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ 1.0$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 46.16 \ -3.75 \ 93.21$
 $LAB^*TCha \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ 1.0$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.908 \ 0.5 \ 1.0$
 $cmyn3^* \ 0.0 \ 0.092 \ 0.5 \ 0.0$
 $olvi4^* \ 1.0 \ 0.908 \ 0.5 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.092 \ 0.5 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 90.39 \ -1.58 \ 39.25$
 $LAB^*TCha \ 90.39 \ -1.58 \ 39.25$

relative CIELAB lab*
 $lab^*lab \ 0.935 \ -0.019 \ 0.499$
 $lab^*tch \ 0.935 \ -0.019 \ 0.499$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.935 \ -0.019 \ 0.499$
 $lab^*tce \ 0.935 \ -0.019 \ 0.499$
 $lab^*nce \ 0.0 \ 0.5 \ 0.256$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.704 \ 0.5 \ 1.0$
 $cmyn3^* \ 0.25 \ 0.296 \ 0.5 \ 0.0$
 $olvi4^* \ 1.0 \ 0.908 \ 0.5 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.046 \ 0.25 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 73.55 \ -0.78 \ 19.63$
 $LAB^*TCha \ 73.55 \ -0.78 \ 19.63$

relative CIELAB lab*
 $lab^*lab \ 0.718 \ -0.009 \ 0.25$
 $lab^*tch \ 0.718 \ -0.009 \ 0.25$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.718 \ -0.009 \ 0.25$
 $lab^*tce \ 0.718 \ -0.009 \ 0.25$
 $lab^*nce \ 0.0 \ 0.5 \ 0.256$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.454 \ 0.25 \ 1.0$
 $cmyn3^* \ 0.5 \ 0.546 \ 0.25 \ 0.0$
 $olvi4^* \ 1.0 \ 0.908 \ 0.5 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.046 \ 0.25 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 54.2 \ -0.78 \ 19.63$
 $LAB^*TCha \ 54.2 \ -0.78 \ 19.63$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.204 \ 0.0 \ 1.0$
 $cmyn3^* \ 0.75 \ 0.796 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 0.954 \ 0.75 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.046 \ 0.25 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 34.85 \ -0.78 \ 19.62$
 $LAB^*TCha \ 34.85 \$

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

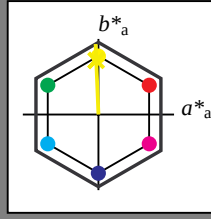
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)									
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	99.99	0.02	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	71.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	71.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	75.0	0.02	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	47.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	47.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	50.0	0.02	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	23.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	23.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	25.0	0.02	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCHa	0.01	0.02	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)									
olvi3*	0.977	1.0	0.5	1.0	1.0	0.5	0.256	0.0	0.0
cmyn3*	0.023	0.0	0.5	0.0	0.0	0.5	0.256	0.0	0.0
olvi4*	0.977	1.0	0.5	1.0	1.0	0.5	0.256	0.0	0.0
cmyn4*	0.023	0.0	0.5	0.0	0.0	0.5	0.256	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	78.78	-1.86	46.61	95.4	30	0.0	0.0	0.0	0.0
LAB*LABa	78.78	-1.86	46.61	95.4	30	0.0	0.0	0.0	0.0
LAB*TCHa	75.0	0.02	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.826	-0.019	0.499	0.75	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.5	0.256	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.5	0.256	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.826	0.0	0.5	0.256	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.5	0.256	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.5	0.256	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.727	0.75	0.25	1.0
cmyn3*	0.273	0.25	0.75	0.0
olvi4*	0.977	1.0	0.5	0.75
cmyn4*	0.023	0.0	0.5	0.25
standard and adapted CIELAB				
LAB*LAB	54.94	-1.87	46.61	95.4
LAB*LABa	54.94	-1.87	46.61	95.4
LAB*TCHa	50.0	0.02	-	92.31
relative CIELAB lab*				
lab*lab	0.576	-0.019	0.5	0.75
lab*tch	0.5	0.0	0.5	0.256
lab*nch	0.25	0.5	0.0	0.256
relative Natural Colour (NC)				
lab*lrj	0.576	0.0	0.5	0.256
lab*tce	0.5	0.0	0.5	0.25
lab*nce	0.25	0.5	0.0	0.991

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

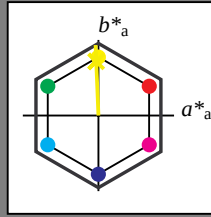
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCBa	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCBa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCBa	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCBa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCBa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.977	1.0	0.5	(1.0)
cmyn3*	0.023	0.0	0.5	(0.0)
olvi4*	0.977	1.0	0.5	(0.0)
cmyn4*	0.023	0.0	0.5	0.0

standard and adapted CIELAB

LAB*LAB	78.78	1.86	46.61
LAB*LABa	78.78	-1.86	46.61
LAB*TCBa	75.0	0.06	92.3

relative CIELAB lab*

lab*lab	0.977	0.023	0.5
lab*tch	0.977	0.023	0.5
lab*nch	0.0	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.977	0.023	0.5
lab*tce	0.023	0.5	0.256
lab*nce	0.0	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.727	0.75	0.5	(1.0)
cmyn3*	0.273	0.25	0.75	(0.0)
olvi4*	0.977	1.0	0.5	(0.0)
cmyn4*	0.023	0.0	0.5	0.25

standard and adapted CIELAB

LAB*LAB	54.94	-1.87	46.61
LAB*LABa	54.94	1.87	46.61
LAB*TCBa	50.0	0.06	92.3

relative CIELAB lab*

lab*lab	0.727	0.273	0.5
lab*tch	0.727	0.273	0.5
lab*nch	0.0	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.727	0.273	0.5
lab*tce	0.273	0.5	0.256
lab*nce	0.0	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.489	0.5	0.25	(1.0)
cmyn3*	0.511	0.5	0.75	(0.0)
olvi4*	0.977	1.0	0.5	(0.0)
cmyn4*	0.023	0.0	0.5	0.25

standard and adapted CIELAB

LAB*LAB	39.4	-0.93	23.31
LAB*LABa	39.4	0.93	23.31
LAB*TCBa	37.5	0.02	92.3

relative CIELAB lab*

lab*lab	0.413	0.587	0.5
lab*tch	0.413	0.587	0.5
lab*nch	0.0	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.413	0.587	0.5
lab*tce	0.587	0.5	0.256
lab*nce	0.0	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.239	0.25	0.0	(1.0)
cmyn3*	0.761	0.75	1.0	(0.0)
olvi4*	0.977	1.0	0.5	(0.0)
cmyn4*	0.023	0.0	0.5	0.5

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCBa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.239	0.761	0.0
lab*tch	0.239	0.761	0.0
lab*nch	0.0	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.239	0.761	0.0
lab*tce	0.761	0.5	0.256
lab*nce	0.0	0.5	0.256

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.966	1.0	0.25	(1.0)
cmyn3*	0.034	0.0	0.75	(0.0)
olvi4*	0.966	1.0	0.25	(0.0)
cmyn4*	0.034	0.0	0.75	0.0

standard and adapted CIELAB

LAB*LAB	70.47	-2.81	69.91
LAB*LABa	70.47	2.81	69.91
LAB*TCBa	62.5	0.09	92.31

relative CIELAB lab*

lab*lab	0.966	0.034	0.25
lab*tch	0.966	0.034	0.25
lab*nch	0.0	0.75	0.256

relative Natural Colour (NC)

lab*trj	0.966	0.034	0.25
lab*tce	0.034	0.75	0.256
lab*nce	0.0	0.75	0.256

$n^* = 0,00$

$0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

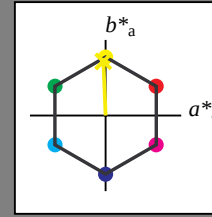
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCBa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCBa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCBa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCBa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCBa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	h^*_{ab}
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

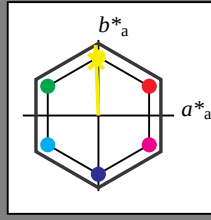
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.977	1.0	0.5	(1.0)
cmyn3*	0.023	0.0	0.5	(0.0)
olvi4*	0.977	1.0	0.5	(1.0)
cmyn4*	0.023	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	78.78	1.86	46.61
LAB*LABa	78.78	1.86	46.61
LAB*LABb	75.0	0.02	92.3

relative CIELAB lab*

lab*lab	0.977	0.023	0.5
lab*tch	0.977	0.023	0.5
lab*nch	0.0	0.5	0.5

relative Natural Colour (NC)

lab*trj	0.977	0.023	0.5
lab*tce	0.023	0.5	0.5
lab*nce	0.0	0.5	0.5

relative Inform. Technology (IT)

olvi3*	0.727	0.75	0.5	(1.0)
cmyn3*	0.273	0.25	0.5	(0.0)
olvi4*	0.977	1.0	0.5	(1.0)
cmyn4*	0.023	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	54.94	-1.87	46.61
LAB*LABa	54.94	-1.87	46.61
LAB*LABb	50.0	0.02	92.3

relative CIELAB lab*

lab*lab	0.727	0.023	0.5
lab*tch	0.727	0.023	0.5
lab*nch	0.023	0.5	0.5

relative Natural Colour (NC)

lab*trj	0.727	0.023	0.5
lab*tce	0.023	0.5	0.5
lab*nce	0.0	0.5	0.5

relative Inform. Technology (IT)

olvi3*	0.489	0.5	0.25	(1.0)
cmyn3*	0.511	0.5	0.25	(0.0)
olvi4*	0.977	1.0	0.5	(1.0)
cmyn4*	0.023	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	39.4	-0.93	23.31
LAB*LABa	39.4	-0.93	23.31
LAB*LABb	37.5	0.02	92.3

relative CIELAB lab*

lab*lab	0.489	0.023	0.5
lab*tch	0.489	0.023	0.5
lab*nch	0.023	0.5	0.5

relative Natural Colour (NC)

lab*trj	0.489	0.023	0.5
lab*tce	0.023	0.5	0.5
lab*nce	0.0	0.5	0.5

relative Inform. Technology (IT)

olvi3*	0.239	0.25	0.0	(1.0)
cmyn3*	0.761	0.75	1.0	(0.0)
olvi4*	0.977	1.0	0.5	(1.0)
cmyn4*	0.023	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	15.55	-0.93	23.31
LAB*LABa	15.55	-0.93	23.31
LAB*LABb	12.5	0.02	92.3

relative CIELAB lab*

lab*lab	0.239	0.023	0.5
lab*tch	0.239	0.023	0.5
lab*nch	0.023	0.5	0.5

relative Natural Colour (NC)

lab*trj	0.239	0.023	0.5
lab*tce	0.023	0.5	0.5
lab*nce	0.0	0.5	0.5

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.966	1.0	0.25	(1.0)
cmyn3*	0.034	0.0	0.25	(0.0)
olvi4*	0.966	1.0	0.25	(1.0)
cmyn4*	0.034	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	70.47	-2.81	69.91
LAB*LABa	70.47	-2.81	69.91
LAB*LABb	62.5	0.02	92.31

relative CIELAB lab*

lab*lab	0.966	0.034	0.25
lab*tch	0.966	0.034	0.25
lab*nch	0.034	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.966	0.034	0.25
lab*tce	0.034	0.25	0.25
lab*nce	0.0	0.25	0.25

$n^* = 0,00$

blackness n^*

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

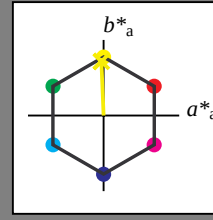
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.977	1.0	0.5	(1.0)
cmyn3*	0.023	0.0	0.5	(0.0)
olvi4*	0.977	1.0	0.5	1.0
cmyn4*	0.023	0.0	0.5	0.0

standard and adapted CIELAB

LAB*LAB	76.06	-1.51	37.81
LAB*LABa	76.06	-1.51	37.81
LAB*TCRa	75.0	37.84	92.3

relative LABlab*

lab*lab	0.75	-0.019	0.499
lab*labch	0.75	0.5	0.256
lab*labnc	0.75	0.5	0.256

relative Natural Colour (NC)

lab*lrj	0.75	0.0	0.5
lab*ltc	0.75	0.5	0.25
lab*ncE	0.0	0.5	.999

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

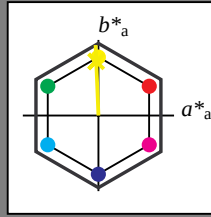
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0.75

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

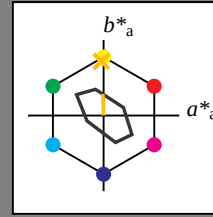
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness t^*



TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*TChe 99.99 0.02 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 -

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 71.57 0.0 0.0

LAB*TChe 75.0 0.02 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 -

lab*nch 0.5 0.0 -

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 -

lab*nce 0.5 0.0 -

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 23.87 0.0 0.0

LAB*TChe 25.0 0.02 -

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 -

lab*nch 0.25 0.0 -

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 -

lab*nce 0.25 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*TChe 0.01 0.02 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*TChe 0.01 0.02 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*TChe 0.01 0.02 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*TChe 0.01 0.02 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*TChe 0.01 0.02 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*TChe 0.01 0.02 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*TChe 0.01 0.02 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*TChe 0.01 0.02 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

</

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

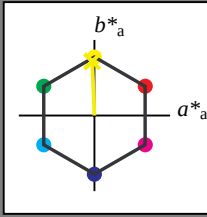
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

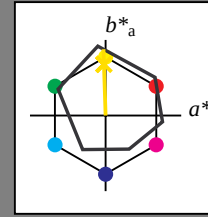
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 1.0 0.0 0.0

lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.72 0.0 0.0

LAB*LABa 56.72 0.0 0.0

LAB*LABb 56.72 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 18.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 18.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 18.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 18.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 18.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 18.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 18.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 18.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0</

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

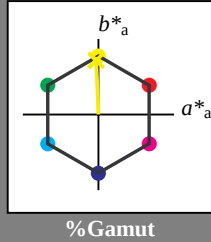
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 76.07 \ 0.0 \ 0.0$
 relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 56.72 \ 0.0 \ 0.0$
 relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 37.37 \ 0.0 \ 0.0$
 relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 18.03 \ 0.0 \ 0.0$
 relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	43.81	67.03	38.7	77.4	30
YMa	69.61	0.0	77.4	77.4	90
LMa	43.81	-67.02	38.7	77.4	150
CMa	69.61	-67.02	-38.69	77.4	210
VMa	43.81	0.0	-77.39	77.4	270
MMa	69.61	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.977 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.023 \ 0.0 \ 0.5 \ (0.0)$
 $olvi4^* \ 0.977 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.023 \ 0.0 \ 0.5 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 81.92 \ 1.51 \ 37.81$
 $LAB^*TCha \ 81.92 \ 1.51 \ 37.81$
 relative CIELAB lab*
 $lab^*lab \ 0.977 \ 0.5 \ 0.0$
 $lab^*tch \ 0.977 \ 0.5 \ -$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$

relative Natural Colour (NC)
 $lab^*trj \ 0.977 \ 0.5 \ 0.25$
 $lab^*tce \ 0.25 \ 0.5 \ 0.25$
 $lab^*nce \ 0.25 \ 0.5 \ 0.25$

relative Inform. Technology (IT)
 $olvi3^* \ 0.727 \ 0.75 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.273 \ 0.25 \ 0.5 \ (0.0)$
 $olvi4^* \ 0.977 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.023 \ 0.0 \ 0.5 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 62.57 \ 1.52 \ 37.82$
 $LAB^*TCha \ 62.57 \ 1.52 \ 37.82$
 relative CIELAB lab*
 $lab^*lab \ 0.727 \ 0.5 \ 0.0$
 $lab^*tch \ 0.727 \ 0.5 \ -$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$

relative Natural Colour (NC)
 $lab^*trj \ 0.727 \ 0.5 \ 0.25$
 $lab^*tce \ 0.25 \ 0.5 \ 0.25$
 $lab^*nce \ 0.25 \ 0.5 \ 0.25$

relative Inform. Technology (IT)
 $olvi3^* \ 0.489 \ 0.5 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.511 \ 0.25 \ 0.5 \ (0.0)$
 $olvi4^* \ 0.989 \ 1.0 \ 0.75 \ 0.5$
 $cmyn4^* \ 0.011 \ 0.0 \ 0.25 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 49.97 \ 0.75 \ 18.91$
 $LAB^*TCha \ 49.97 \ 0.75 \ 18.91$
 relative CIELAB lab*
 $lab^*lab \ 0.489 \ 0.5 \ 0.0$
 $lab^*tch \ 0.489 \ 0.5 \ -$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$

relative Natural Colour (NC)
 $lab^*trj \ 0.489 \ 0.5 \ 0.25$
 $lab^*tce \ 0.25 \ 0.5 \ 0.25$
 $lab^*nce \ 0.25 \ 0.5 \ 0.25$

relative Inform. Technology (IT)
 $olvi3^* \ 0.239 \ 0.25 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.761 \ 0.75 \ 1.0 \ (0.0)$
 $olvi4^* \ 0.989 \ 1.0 \ 0.75 \ 0.25$
 $cmyn4^* \ 0.011 \ 0.0 \ 0.25 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 30.62 \ 0.75 \ 18.9$
 $LAB^*TCha \ 30.62 \ 0.75 \ 18.9$
 relative CIELAB lab*
 $lab^*lab \ 0.239 \ 0.25 \ 0.0$
 $lab^*tch \ 0.239 \ 0.25 \ -$
 $lab^*nch \ 0.0 \ 0.75 \ 0.256$

relative Natural Colour (NC)
 $lab^*trj \ 0.239 \ 0.25 \ 0.0$
 $lab^*tce \ 0.25 \ 0.75 \ 0.25$
 $lab^*nce \ 0.25 \ 0.75 \ 0.25$

$n^* = 0,50$

relative Inform. Technology (IT)
 $olvi3^* \ 0.966 \ 1.0 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.034 \ 0.0 \ 0.75 \ (0.0)$
 $olvi4^* \ 0.966 \ 1.0 \ 0.25 \ 1.0$
 $cmyn4^* \ 0.034 \ 0.0 \ 0.75 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 75.18 \ 2.27 \ 56.72$
 $LAB^*TCha \ 75.18 \ 2.27 \ 56.72$
 relative CIELAB lab*
 $lab^*lab \ 0.966 \ 1.0 \ 0.0$
 $lab^*tch \ 0.966 \ 1.0 \ -$
 $lab^*nch \ 0.0 \ 0.75 \ 0.256$

relative Natural Colour (NC)
 $lab^*trj \ 0.966 \ 1.0 \ 0.75$
 $lab^*tce \ 0.25 \ 0.75 \ 0.25$
 $lab^*nce \ 0.25 \ 0.75 \ 0.25$

relative Inform. Technology (IT)
 $olvi3^* \ 0.716 \ 0.75 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.284 \ 0.25 \ 1.0 \ (0.0)$
 $olvi4^* \ 0.966 \ 1.0 \ 0.25 \ 0.75$
 $cmyn4^* \ 0.034 \ 0.0 \ 0.75 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 55.83 \ 2.28 \ 56.72$
 $LAB^*TCha \ 55.83 \ 2.28 \ 56.72$
 relative CIELAB lab*
 $lab^*lab \ 0.716 \ 0.75 \ 0.0$
 $lab^*tch \ 0.716 \ 0.75 \ -$
 $lab^*nch \ 0.0 \ 1.0 \ 0.256$

relative Natural Colour (NC)
 $lab^*trj \ 0.716 \ 0.75 \ 0.0$
 $lab^*tce \ 0.25 \ 1.0 \ 0.25$
 $lab^*nce \ 0.25 \ 1.0 \ 0.25$

relative Inform. Technology (IT)
 $olvi3^* \ 0.489 \ 0.489 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.511 \ 0.511 \ 0.0 \ (0.0)$
 $olvi4^* \ 0.977 \ 1.0 \ 0.5 \ 0.5$
 $cmyn4^* \ 0.023 \ 0.0 \ 0.5 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 43.22 \ 1.52 \ 37.81$
 $LAB^*TCha \ 43.22 \ 1.52 \ 37.81$
 relative CIELAB lab*
 $lab^*lab \ 0.489 \ 0.489 \ 0.0$
 $lab^*tch \ 0.489 \ 0.489 \ -$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$

relative Natural Colour (NC)
 $lab^*trj \ 0.489 \ 0.489 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.25$
 $lab^*nce \ 0.25 \ 0.5 \ 0.25$

relative Inform. Technology (IT)
 $olvi3^* \ 0.239 \ 0.239 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.761 \ 0.761 \ 0.0 \ (0.0)$
 $olvi4^* \ 0.989 \ 1.0 \ 0.75 \ 0.25$
 $cmyn4^* \ 0.011 \ 0.0 \ 0.25 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 30.62 \ 0.75 \ 18.9$
 $LAB^*TCha \ 30.62 \ 0.75 \ 18.9$
 relative CIELAB lab*
 $lab^*lab \ 0.239 \ 0.239 \ 0.0$
 $lab^*tch \ 0.239 \ 0.239 \ -$
 $lab^*nch \ 0.0 \ 0.75 \ 0.256$

relative Natural Colour (NC)
 $lab^*trj \ 0.239 \ 0.239 \ 0.0$
 $lab^*tce \ 0.25 \ 0.75 \ 0.25$
 $lab^*nce \ 0.25 \ 0.75 \ 0.25$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

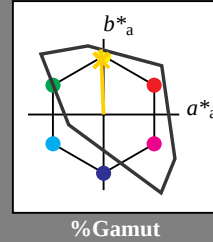
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 76.07 \ 0.0 \ 0.0$
 relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 56.72 \ 0.0 \ 0.0$
 relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 37.37 \ 0.0 \ 0.0$
 relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 18.03 \ 0.0 \ 0.0$
 relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$

relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	50.5	76.92	64.55	100.42	40
YMa	92.66	-20.69	90.75	93.08	103
LMa	83.63	-82.75	79.9	115.04	136
CMa	86.88	-46.16	-13.55	48.12	196
VMa	30.39	76.06	-103.59	128.52	306
MMa	57.3	94.35	-58.41	110.97	328
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.956 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.044 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.956 \ 0.75 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.044 \ 0.25 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 92.86 \ 0.87 \ 21.53$
 $LAB^*TCha \ 92.86 \ 0.87 \ 21.53$
 relative CIELAB lab*
 $lab^*lab \ 0.973 \ 0.009 \ 0.25$
 $lab^*tch \ 0.973 \ 0.009 \ -$
 $lab^*nch \ 0.0 \ 0.25 \ 0.256$

relative Natural Colour (NC)
 $lab^*trj \ 0.97$

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

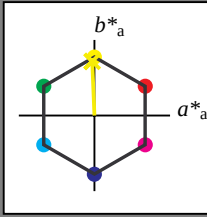
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*LABa \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*LABa \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ 0.0$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*LABa \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	43.81	67.03	38.7	77.4	30
YMa	69.61	0.0	77.4	77.4	90
LMa	43.81	-67.02	38.7	77.4	150
CMa	69.61	-67.02	-38.69	77.4	210
VMa	43.81	0.0	-77.39	77.4	270
MMa	69.61	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.977 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.023 \ 0.0 \ 0.5 \ (0.0)$
 $olvi4^* \ 0.977 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.023 \ 0.0 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 81.92 \ 1.51 \ 37.81$
 $LAB^*LABa \ 81.92 \ -1.51 \ 37.81$
 $LAB^*TCha \ 75.0 \ 0.84 \ 92.3$

relative CIELAB lab*
 $lab^*lab \ 0.826 \ -0.019 \ 0.499$
 $lab^*tch \ 0.75 \ 0.5 \ 0.256$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.826 \ 0.0 \ 0.25$
 $lab^*tce \ 0.75 \ 0.5 \ 0.25$
 $lab^*nce \ 0.0 \ 0.5 \ 0.25$

relative Inform. Technology (IT)
 $olvi3^* \ 0.727 \ 0.75 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.273 \ 0.25 \ 0.75 \ (0.0)$
 $olvi4^* \ 0.977 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.023 \ 0.0 \ 0.5 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 62.57 \ -1.52 \ 37.82$
 $LAB^*LABa \ 62.57 \ 1.52 \ 37.82$
 $LAB^*TCha \ 50.0 \ 37.85 \ 92.31$

relative CIELAB lab*
 $lab^*lab \ 0.625 \ -0.009 \ 0.25$
 $lab^*tch \ 0.625 \ 0.25 \ 0.256$
 $lab^*nch \ 0.25 \ 0.25 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.625 \ 0.0 \ 0.25$
 $lab^*tce \ 0.625 \ 0.25 \ 0.25$
 $lab^*nce \ 0.25 \ 0.25 \ 0.25$

relative Inform. Technology (IT)
 $olvi3^* \ 0.489 \ 0.5 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.511 \ 0.5 \ 0.75 \ (0.0)$
 $olvi4^* \ 0.989 \ 1.0 \ 0.75 \ 0.5$
 $cmyn4^* \ 0.011 \ 0.0 \ 0.25 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 49.97 \ -0.75 \ 18.91$
 $LAB^*LABa \ 49.97 \ 0.75 \ 18.91$
 $LAB^*TCha \ 37.5 \ 18.92 \ 92.31$

relative CIELAB lab*
 $lab^*lab \ 0.413 \ -0.009 \ 0.25$
 $lab^*tch \ 0.375 \ 0.25 \ 0.256$
 $lab^*nch \ 0.5 \ 0.25 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.413 \ 0.0 \ 0.25$
 $lab^*tce \ 0.375 \ 0.25 \ 0.25$
 $lab^*nce \ 0.5 \ 0.25 \ 0.25$

relative Inform. Technology (IT)
 $olvi3^* \ 0.239 \ 0.25 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.761 \ 0.75 \ 1.0 \ (0.0)$
 $olvi4^* \ 0.989 \ 1.0 \ 0.75 \ 0.25$
 $cmyn4^* \ 0.011 \ 0.0 \ 0.25 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 30.62 \ -0.75 \ 18.9$
 $LAB^*LABa \ 30.62 \ 0.75 \ 18.9$
 $LAB^*TCha \ 12.5 \ 18.92 \ 92.31$

relative CIELAB lab*
 $lab^*lab \ 0.163 \ -0.009 \ 0.25$
 $lab^*tch \ 0.125 \ 0.25 \ 0.256$
 $lab^*nch \ 0.75 \ 0.25 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.163 \ 0.0 \ 0.25$
 $lab^*tce \ 0.125 \ 0.25 \ 0.25$
 $lab^*nce \ 0.75 \ 0.25 \ 0.25$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 92/360 = 0.256$

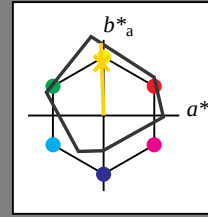
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 96.31 \ 0.11 \ 2.58$
 $LAB^*LABa \ 96.31 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ 0.0$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.38 \ 0.44 \ 2.45$
 $LAB^*LABa \ 76.38 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.44 \ 0.76 \ 2.32$
 $LAB^*LABa \ 56.44 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ 0.0$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 36.5 \ 1.09 \ 2.19$
 $LAB^*LABa \ 36.5 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ 0.0$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.57 \ -1.41 \ 2.06$
 $LAB^*LABa \ 16.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ 0.0$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	42.21	66.82	50.6	83.82	37
YMa	90.32	-16.51	104.33	105.63	99
LMa	48.21	-75.63	30.65	81.61	158
CMa	53.44	-33.33	-47.49	58.03	235
VMa	34.16	-0.92	-46.56	46.58	269
MMa	42.71	79.0	-1.95	79.03	359
NMa	16.56	0.0	0.0	0.0	0
WMa	96.31	0.0	0.0	0.0	0
RCIE	39.92	59.78	25.77	65.1	23
JCIE	81.26	-2.51	69.07	69.11	92
GCIE	52.23	-41.57	11.3	43.09	165
BCIE	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.922 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.078 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.922 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.078 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 89.56 \ -1.98 \ 50.51$
 $LAB^*LABa \ 89.56 \ -1.75 \ 47.96$
 $LAB^*TCha \ 75.0 \ 0.0 \ 92.1$

relative CIELAB lab*
 $lab^*lab \ 0.915 \ -0.017 \ 0.5$
 $lab^*tch \ 0.75 \ 0.5 \ 0.256$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.915 \ 0.0 \ 0.25$
 $lab^*tce \ 0.75 \ 0.5 \ 0.25$
 $lab^*nce \ 0.0 \ 0.5 \ 0.25$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.711 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.289 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.961 \ 0.75 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.039 \ 0.25 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 73.0 \ -1.37 \ 26.42$
 $LAB^*LABa \ 73.0 \ -0.87 \ 23.98$
 $LAB^*TCha \ 62.5 \ 24.0 \ 92.09$

relative CIELAB lab*
 $lab^*lab \ 0.708 \ -0.008 \ 0.25$
 $lab^*tch \ 0.625 \ 0.25 \ 0.256$
 $lab^*nch \ 0.25 \ 0.25 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.708 \ 0.0 \ 0.25$
 $lab^*tce \ 0.625 \ 0.25 \ 0.25$
 $lab^*nce \ 0.25 \ 0.25 \ 0.25$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.461 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.539 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.961 \ 0.75 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.039 \ 0.25 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 53.06 \ -1.69 \ 26.29$
 $LAB^*LABa \ 53.06 \ -0.87 \ 23.98$
 $LAB^*TCha \ 37.5 \ 24.0 \ 92.09$

relative CIELAB lab*
 $lab^*lab \ 0.665 \ -0.017 \ 0.5$
 $lab^*tch \ 0.625 \ 0.25 \ 0.256$
 $lab^*nch \ 0.25 \ 0.5 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.665 \ 0.0 \ 0.5$
 $lab^*tce \ 0.625 \ 0.25 \ 0.25$
 $lab^*nce \ 0.25 \ 0.5 \ 0.25$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.211 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.789 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.961 \ 0.75 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.039 \ 0.25 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 33.$

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

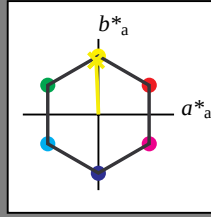
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

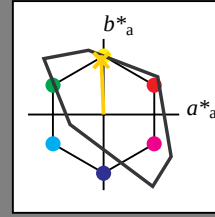
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	95.41	0.0	0.0		
LAB*LABc	95.41	0.0	0.0		
LAB*LABd	95.41	0.0	0.0		
LAB*LABe	95.41	0.0	0.0		
LAB*LABf	95.41	0.0	0.0		
LAB*LABg	95.41	0.0	0.0		
LAB*LABh	95.41	0.0	0.0		
LAB*LABi	95.41	0.0	0.0		
LAB*LABj	95.41	0.0	0.0		
LAB*LABk	95.41	0.0	0.0		
LAB*LABl	95.41	0.0	0.0		
LAB*LABm	95.41	0.0	0.0		
LAB*LABn	95.41	0.0	0.0		
LAB*LABo	95.41	0.0	0.0		
LAB*LABp	95.41	0.0	0.0		
LAB*LABq	95.41	0.0	0.0		
LAB*LABr	95.41	0.0	0.0		
LAB*LABs	95.41	0.0	0.0		
LAB*LABt	95.41	0.0	0.0		
LAB*LABu	95.41	0.0	0.0		
LAB*LABv	95.41	0.0	0.0		
LAB*LABw	95.41	0.0	0.0		
LAB*LABx	95.41	0.0	0.0		
LAB*LABy	95.41	0.0	0.0		
LAB*LABz	95.41	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.07	0.0	0.0		
LAB*LABa	76.07	0.0	0.0		
LAB*LABb	76.07	0.0	0.0		
LAB*LABc	76.07	0.0	0.0		
LAB*LABd	76.07	0.0	0.0		
LAB*LABe	76.07	0.0	0.0		
LAB*LABf	76.07	0.0	0.0		
LAB*LABg	76.07	0.0	0.0		
LAB*LABh	76.07	0.0	0.0		
LAB*LABi	76.07	0.0	0.0		
LAB*LABj	76.07	0.0	0.0		
LAB*LABk	76.07	0.0	0.0		
LAB*LABl	76.07	0.0	0.0		
LAB*LABm	76.07	0.0	0.0		
LAB*LABn	76.07	0.0	0.0		
LAB*LABo	76.07	0.0	0.0		
LAB*LABp	76.07	0.0	0.0		
LAB*LABq	76.07	0.0	0.0		
LAB*LABr	76.07	0.0	0.0		
LAB*LABs	76.07	0.0	0.0		
LAB*LABt	76.07	0.0	0.0		
LAB*LABu	76.07	0.0	0.0		
LAB*LABv	76.07	0.0	0.0		
LAB*LABw	76.07	0.0	0.0		
LAB*LABx	76.07	0.0	0.0		
LAB*LABy	76.07	0.0	0.0		
LAB*LABz	76.07	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.72	0.0	0.0		
LAB*LABa	56.72	0.0	0.0		
LAB*LABb	56.72	0.0	0.0		
LAB*LABc	56.72	0.0	0.0		
LAB*LABd	56.72	0.0	0.0		
LAB*LABe	56.72	0.0	0.0		
LAB*LABf	56.72	0.0	0.0		
LAB*LABg	56.72	0.0	0.0		
LAB*LABh	56.72	0.0	0.0		
LAB*LABi	56.72	0.0	0.0		
LAB*LABj	56.72	0.0	0.0		
LAB*LABk	56.72	0.0	0.0		
LAB*LABl	56.72	0.0	0.0		
LAB*LABm	56.72	0.0	0.0		
LAB*LABn	56.72	0.0	0.0		
LAB*LABo	56.72	0.0	0.0		
LAB*LABp	56.72	0.0	0.0		
LAB*LABq	56.72	0.0	0.0		
LAB*LABr	56.72	0.0	0.0		
LAB*LABs	56.72	0.0	0.0		
LAB*LABt	56.72	0.0	0.0		
LAB*LABu	56.72	0.0	0.0		
LAB*LABv	56.72	0.0	0.0		
LAB*LABw	56.72	0.0	0.0		
LAB*LABx	56.72	0.0	0.0		
LAB*LABy	56.72	0.0	0.0		
LAB*LABz	56.72	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.37	0.0	0.0		
LAB*LABa	37.37	0.0	0.0		
LAB*LABb	37.37	0.0	0.0		
LAB*LABc	37.37	0.0	0.0		
LAB*LABd	37.37	0.0	0.0		
LAB*LABe	37.37	0.0	0.0		
LAB*LABf	37.37	0.0	0.0		
LAB*LABg	37.37	0.0	0.0		
LAB*LABh	37.37	0.0	0.0		
LAB*LABi	37.37	0.0	0.0		
LAB*LABj	37.37	0.0	0.0		
LAB*LABk	37.37	0.0	0.0		
LAB*LABl	37.37	0.0	0.0		
LAB*LABm	37.37	0.0	0.0		
LAB*LABn	37.37	0.0	0.0		
LAB*LABo	37.37	0.0	0.0		
LAB*LABp	37.37	0.0	0.0		
LAB*LABq	37.37	0.0	0.0		
LAB*LABr	37.37	0.0	0.0		
LAB*LABs	37.37	0.0	0.0		
LAB*LABt	37.37	0.0	0.0		
LAB*LABu	37.37	0.0	0.0		
LAB*LABv	37.37	0.0	0.0		
LAB*LABw	37.37	0.0	0.0		
LAB*LABx	37.37	0.0	0.0		
LAB*LABy	37.37	0.0	0.0		
LAB*LABz	37.37	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.03	0.0	0.0		
LAB*LABa	18.03	0.0	0.0		
LAB*LABb	18.03	0.0	0.0		
LAB*LABc	18.03	0.0	0.0		
LAB*LABd	18.03	0.0	0.0		
LAB*LABe	18.03	0.0	0.0		
LAB*LABf	18.03	0.0	0.0		
LAB*LABg	18.03	0.0	0.0		
LAB*LABh	18.03	0.0	0.0		
LAB*LABi	18.03	0.0	0.0		
LAB*LABj	18.03	0.0	0.0		
LAB*LABk	18.03	0.0	0.0		
LAB*LABl	18.03	0.0	0.0		
LAB*LABm	18.03	0.0	0.0		
LAB*LABn	18.03	0.0	0.0		
LAB*LABo	18.03	0.0	0.0		
LAB*LABp	18.03	0.0	0.0		
LAB*LABq	18.03	0.0	0.0		
LAB*LABr	18.03	0.0	0.0		
LAB*LABs	18.03	0.0	0.0		
LAB*LABt	18.03	0.0	0.0		
LAB*LABu	18.03	0.0	0.0		
LAB*LABv	18.03	0.0	0.0		
LAB*LABw	18.03	0.0	0.0		
LAB*LABx	18.03	0.0	0.0		
LAB*LABy	18.03	0.0	0.0		
LAB*LABz	18.03	0.0	0.0		

LAB*LABa	37.37	0.0	0.0
LAB*TC _{Ha}	25.0	0.01	-
relative CIELAB lab*			
lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	-
relative Natural Colour (NC)			
lab*lrj	0.25	0.0	0.0
lab*lj	0.25	0.0	-

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

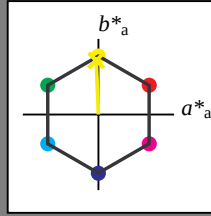
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

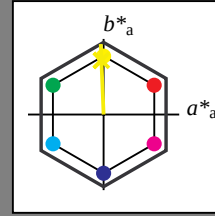
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



NLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

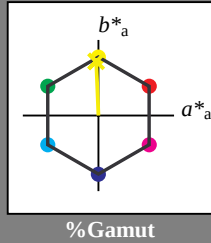
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.977	1.0	0.5	(1.0)
cmyn3*	0.023	0.0	0.5	(0.0)
olvi4*	0.977	1.0	0.5	(1.0)
cmyn4*	0.023	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	81.92	-1.51	37.81
LAB*LABa	81.92	-1.51	37.81
LAB*LABb	75.0	-0.84	92.3

relative CIELAB lab*

lab*lab	0.977	0.0	0.5
lab*lab	0.977	0.0	0.5
lab*lab	0.977	0.0	0.5
lab*lab	0.977	0.0	0.5

relative Natural Colour (NC)

lab*lab	0.977	0.0	0.5
lab*lab	0.977	0.0	0.5
lab*lab	0.977	0.0	0.5
lab*lab	0.977	0.0	0.5

relative Inform. Technology (IT)

olvi3*	0.739	0.75	0.5	(1.0)
cmyn3*	0.261	0.25	0.5	(0.0)
olvi4*	0.989	1.0	0.75	(1.0)
cmyn4*	0.011	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	69.24	-0.75	18.91
LAB*LABa	69.24	-0.75	18.91
LAB*LABb	62.5	-1.52	37.82

relative CIELAB lab*

lab*lab	0.739	0.0	0.5
lab*lab	0.739	0.0	0.5
lab*lab	0.739	0.0	0.5
lab*lab	0.739	0.0	0.5

relative Natural Colour (NC)

lab*lab	0.739	0.0	0.5
lab*lab	0.739	0.0	0.5
lab*lab	0.739	0.0	0.5
lab*lab	0.739	0.0	0.5

relative Inform. Technology (IT)

olvi3*	0.727	0.75	0.25	(1.0)
cmyn3*	0.273	0.25	0.75	(0.0)
olvi4*	0.977	1.0	0.5	(1.0)
cmyn4*	0.023	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	62.57	-1.52	37.82
LAB*LABa	62.57	-1.52	37.82
LAB*LABb	50.0	-0.84	92.3

relative CIELAB lab*

lab*lab	0.727	0.0	0.5
lab*lab	0.727	0.0	0.5
lab*lab	0.727	0.0	0.5
lab*lab	0.727	0.0	0.5

relative Natural Colour (NC)

lab*lab	0.727	0.0	0.5
lab*lab	0.727	0.0	0.5
lab*lab	0.727	0.0	0.5
lab*lab	0.727	0.0	0.5

relative Inform. Technology (IT)

olvi3*	0.489	0.5	0.25	(1.0)
cmyn3*	0.511	0.5	0.75	(0.0)
olvi4*	0.989	1.0	0.25	(1.0)
cmyn4*	0.011	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	49.97	-0.75	18.91
LAB*LABa	49.97	-0.75	18.91
LAB*LABb	37.5	-1.52	37.81

relative CIELAB lab*

lab*lab	0.489	0.0	0.5
lab*lab	0.489	0.0	0.5
lab*lab	0.489	0.0	0.5
lab*lab	0.489	0.0	0.5

relative Natural Colour (NC)

lab*lab	0.489	0.0	0.5
lab*lab	0.489	0.0	0.5
lab*lab	0.489	0.0	0.5
lab*lab	0.489	0.0	0.5

$n^* = 0,50$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

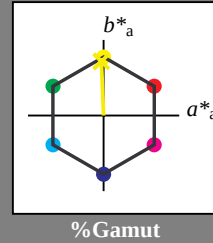
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

$n^* = 1,0$

$n^* = 1,0$

chromaticness c^*

NRS18; adapted (a

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

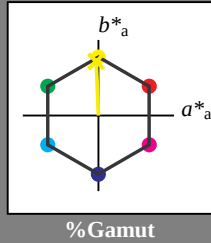
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -
 relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.07 0.0 0.0
 LAB^*TCha 75.0 0.01 -
 relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*LABa 56.72 0.0 0.0
 LAB^*TCha 50.0 0.01 -
 relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 0.0
 lab^*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TCha 25.0 0.01 -
 relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 0.01 -
 relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

$n^* = 1,0$

relative Inform. Technology (IT)
 $olvi3^*$ 0.989 1.0 0.75 (1.0)
 $cmyn3^*$ 0.011 0.0 0.25 (0.0)
 $olvi4^*$ 0.989 1.0 0.75 1.0
 $cmyn4^*$ 0.011 0.0 0.25 0.0
 standard and adapted CIELAB
 LAB^*LAB 88.66 -0.75 18.91
 LAB^*LABa 88.66 -0.75 18.91
 LAB^*TCha 87.5 18.92 92.29
 relative CIELAB lab*
 lab^*lab 0.913 0.009 0.25
 lab^*tch 0.875 0.25 0.256
 lab^*nch 0.0 0.25 0.256
 relative Natural Colour (NC)
 lab^*trj 0.913 0.0 0.25
 lab^*tce 0.875 0.25 0.256
 lab^*nce 0.0 0.25 0.256

relative Inform. Technology (IT)
 $olvi3^*$ 0.739 0.75 0.5 (1.0)
 $cmyn3^*$ 0.261 0.25 0.5 (0.0)
 $olvi4^*$ 0.989 1.0 0.75 1.0
 $cmyn4^*$ 0.011 0.0 0.25 0.25
 standard and adapted CIELAB
 LAB^*LAB 69.32 -0.75 18.91
 LAB^*LABa 69.32 -0.75 18.91
 LAB^*TCha 62.5 18.92 92.31
 relative CIELAB lab*
 lab^*lab 0.663 -0.009 0.25
 lab^*tch 0.625 0.25 0.256
 lab^*nch 0.25 0.25 0.256
 relative Natural Colour (NC)
 lab^*trj 0.663 0.0 0.25
 lab^*tce 0.625 0.25 0.256
 lab^*nce 0.25 0.25 0.256

relative Inform. Technology (IT)
 $olvi3^*$ 0.489 0.5 0.25 (1.0)
 $cmyn3^*$ 0.511 0.25 0.5 (0.0)
 $olvi4^*$ 0.989 1.0 0.75 0.5
 $cmyn4^*$ 0.011 0.0 0.25 0.5
 standard and adapted CIELAB
 LAB^*LAB 49.97 -0.75 18.91
 LAB^*LABa 49.97 -0.75 18.91
 LAB^*TCha 37.5 18.92 92.31
 relative CIELAB lab*
 lab^*lab 0.413 -0.009 0.25
 lab^*tch 0.375 0.25 0.256
 lab^*nch 0.25 0.25 0.256
 relative Natural Colour (NC)
 lab^*trj 0.413 0.0 0.25
 lab^*tce 0.375 0.25 0.256
 lab^*nce 0.25 0.25 0.256

relative Inform. Technology (IT)
 $olvi3^*$ 0.239 0.25 0.0 (1.0)
 $cmyn3^*$ 0.761 0.75 1.0 (0.0)
 $olvi4^*$ 0.989 1.0 0.75 0.25
 $cmyn4^*$ 0.011 0.0 0.25 0.75
 standard and adapted CIELAB
 LAB^*LAB 30.62 -0.75 18.91
 LAB^*LABa 30.62 -0.75 18.91
 LAB^*TCha 12.5 18.92 92.31
 relative CIELAB lab*
 lab^*lab 0.163 -0.009 0.25
 lab^*tch 0.125 0.25 0.256
 lab^*nch 0.75 0.25 0.256
 relative Natural Colour (NC)
 lab^*trj 0.163 0.0 0.25
 lab^*tce 0.125 0.25 0.256
 lab^*nce 0.75 0.25 0.256

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
 $olvi3^*$ 0.966 1.0 0.25 (1.0)
 $cmyn3^*$ 0.034 0.0 0.75 (0.0)
 $olvi4^*$ 0.966 1.0 0.25 1.0
 $cmyn4^*$ 0.034 0.0 0.75 0.0
 standard and adapted CIELAB
 LAB^*LAB 75.18 -2.27 56.72
 LAB^*LABa 75.18 -2.27 56.72
 LAB^*TCha 75.0 37.84 92.3
 relative CIELAB lab*
 lab^*lab 0.826 -0.019 0.499
 lab^*tch 0.75 0.5 0.256
 lab^*nch 0.0 0.5 0.256
 relative Natural Colour (NC)
 lab^*trj 0.826 0.0 0.25
 lab^*tce 0.75 0.5 0.256
 lab^*nce 0.0 0.5 0.256

relative Inform. Technology (IT)
 $olvi3^*$ 0.727 0.75 0.25 (1.0)
 $cmyn3^*$ 0.273 0.25 0.75 (0.0)
 $olvi4^*$ 0.977 1.0 0.5 0.75
 $cmyn4^*$ 0.023 0.0 0.5 0.25
 standard and adapted CIELAB
 LAB^*LAB 62.57 -1.52 37.82
 LAB^*LABa 62.57 -1.52 37.82
 LAB^*TCha 50.0 37.85 92.31
 relative CIELAB lab*
 lab^*lab 0.576 -0.019 0.5
 lab^*tch 0.5 0.5 0.256
 lab^*nch 0.0 0.5 0.256
 relative Natural Colour (NC)
 lab^*trj 0.576 0.0 0.5
 lab^*tce 0.5 0.5 0.256
 lab^*nce 0.0 0.5 0.256

relative Inform. Technology (IT)
 $olvi3^*$ 0.489 0.5 0.25 (1.0)
 $cmyn3^*$ 0.511 0.25 0.5 (0.0)
 $olvi4^*$ 0.989 1.0 0.75 0.25
 $cmyn4^*$ 0.011 0.0 0.25 0.5
 standard and adapted CIELAB
 LAB^*LAB 49.97 -0.75 18.91
 LAB^*LABa 49.97 -0.75 18.91
 LAB^*TCha 37.5 18.92 92.31
 relative CIELAB lab*
 lab^*lab 0.413 -0.009 0.25
 lab^*tch 0.375 0.25 0.256
 lab^*nch 0.25 0.25 0.256
 relative Natural Colour (NC)
 lab^*trj 0.413 0.0 0.25
 lab^*tce 0.375 0.25 0.256
 lab^*nce 0.25 0.25 0.256

$n^* = 0,50$

$n^* = 0,00$

blackness n^*

0,75

1,00

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

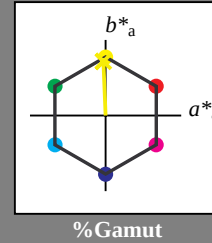
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -
 relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.07 0.0 0.0
 LAB^*TCha 75.0 0.01 -
 relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*LABa 56.72 0.0 0.0
 LAB^*TCha 50.0 0.01 -
 relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 0.0
 lab^*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TCha 25.0 0.01 -
 relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 0.01 -
 relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

$n^* = 1,0$

relative Inform. Technology (IT)
 $olvi3^*$ 0.989 1.0 0.75 (1.0)
 $cmyn3^*$ 0.011 0.0 0.25 (0.0)
 $olvi4^*$ 0.989 1.0 0.75 1.0
 $cmyn4^*$ 0.011 0.0 0.25 0.0
 standard and adapted CIELAB
 LAB^*LAB 85.73 -0.75 18.91
 LAB^*LABa 85.73 -0.75 18.91
 LAB^*TCha 87.5 18.92 92.29
 relative CIELAB lab*
 lab^*lab 0.875 -0.009 0.25
 lab^*tch 0.875 0.25 0.256
 lab^*nch 0.0 0.25 0.256
 relative Natural Colour (NC)
 lab^*trj 0.875 0.0 0.25
 lab^*tce 0.875 0.25 0.256
 lab^*nce 0.0 0.25 0.256

relative Inform. Technology (IT)
 $olvi3^*$ 0.739 0.75 0.5 (1.0)
 $cmyn3^*$ 0.261 0.25 0.5 (0.0)
 $olvi4^*$ 0.989 1.0 0.75 0.5
 $cmyn4^*$ 0.011 0.0 0.25 0.25
 standard and adapted CIELAB
 LAB^*LAB 66.38 -0.75 18.91
 LAB^*LABa 66.38 -0.75 18.91
 LAB^*TCha 62.5 18.92 92.31
 relative CIELAB lab*
 lab^*lab 0.625 -0.009 0.25
 lab^*tch 0.625 0.25 0.256
 lab^*nch 0.25 0.25 0.256
 relative Natural Colour (NC)
 lab^*trj 0.625 0.0 0.25
 lab^*tce 0.625 0.25 0.256
 lab^*nce 0.25 0.25 0.256

relative Inform. Technology (IT)
 $olvi3^*$ 0.489 0.5 0.25 (1.0)
 $cmyn3^*$ 0.511 0.25 0.5 (0.0)
 $olvi4^*$ 0.989 1.0 0.75 0.25
 $cmyn4^*$ 0.011 0.0 0.25 0.5
 standard and adapted CIELAB
 LAB^*LAB 49.97 -0.75 18.91
 LAB^*LABa 49.97 -0.75 18.91
 LAB^*TCha 37.5 18.92 92.31
 relative CIELAB lab*
 lab^*lab 0.413 -0.009 0.25
 lab^*tch 0.375 0.25 0.256
 lab^*nch 0.25 0.25 0.256
 relative Natural Colour (NC)
 lab^*trj 0.413 0.0 0.25
 lab^*tce 0.375 0.25 0.256
 lab^*nce 0.25 0.25 0.256

relative Inform. Technology (IT)
 $olvi3^*$ 0.239 0.25 0.0 (1.0)
 $cmyn3^*$ 0.761 0.75 1.0 (0.0)
 $olvi4^*$ 0.989 1.0 0.75 0.25
 $cmyn4^*$ 0.011 0.0 0.25 0.75
 standard and adapted CIELAB
 LAB^*LAB 30.62 -0.75 18.91
 LAB^*LABa 30.62 -0.75 18.91
 LAB^*TCha 12.5 18.92 92.31
 relative CIELAB lab*
 lab^*lab 0.163 -0.009 0.25
 lab^*tch 0.125 0.25 0.256
 lab^*nch 0.75 0.25 0.256
 relative Natural Colour (NC)
 lab^*trj 0.163 0.0 0.25
 lab^*tce 0.125 0.25 0.256
 lab^*nce 0.75 0.25 0.256

relative Inform. Technology (IT)
 $olvi3^*$ 0.977 1.0 0.5 (1.0)
 $cmyn3^*$ 0.023 0.0 0.5 (0.0)
 $olvi4^*$ 0.977 1.0 0.5 0.5
 $cmyn4^*$ 0.023 0.0 0.5 0.0
 standard and adapted CIELAB
 LAB^*LAB 76.06 -1.51 37.81
 LAB^*LABa 76.06 -1.51 37.81
 LAB^*TCha 75.0 37.84 92.3
 relative CIELAB lab*
 lab^*lab 0.

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

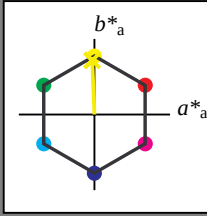
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 68 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

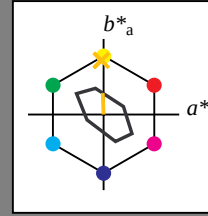
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness t^*



TLS70; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

$n^* = 1,0$

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

OE500-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

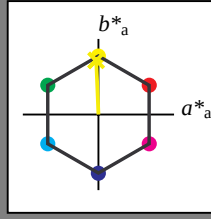
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

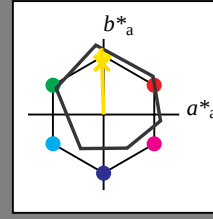
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.0 0.0
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.0
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 1.0 0.951 0.5 (1.0)
cmyn3* 0.0 0.049 0.5 (0.0)
olvi4* 1.0 0.951 0.5 (1.0)
cmyn4* 0.0 0.049 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 90.8 -1.4 43.84
LAB*LABa 90.8 -1.4 43.84
LAB*LABb 91.85 0.01 -

relative CIELAB lab*
lab*lab 0.97 -0.007 0.25
lab*tch 0.875 0.25 0.255
lab*nch 0.0 0.25 0.255
relative Natural Colour (NC)
lab*trj 0.97 0.0 0.25
lab*tce 0.875 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.75 0.725 0.5 (1.0)
cmyn3* 0.25 0.275 0.5 (0.0)
olvi4* 1.0 0.975 0.5 (1.0)
cmyn4* 0.0 0.025 0.25 0.25
standard and adapted CIELAB
LAB*LAB 73.75 -1.27 45.32
LAB*LABa 73.75 -1.27 45.32
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.72 -0.007 0.25
lab*tch 0.625 0.25 0.255
lab*nch 0.0 0.25 0.255
relative Natural Colour (NC)
lab*trj 0.72 0.0 0.25
lab*tce 0.625 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.5 0.701 0.25 (1.0)
cmyn3* 0.25 0.299 0.75 (0.0)
olvi4* 1.0 0.951 0.5 (1.0)
cmyn4* 0.0 0.049 0.5 0.25
standard and adapted CIELAB
LAB*LAB 71.45 -1.5 46.98
LAB*LABa 71.45 -1.5 46.98
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.69 -0.015 0.5
lab*tch 0.5 0.25 0.255
lab*nch 0.0 0.25 0.255
relative Natural Colour (NC)
lab*trj 0.69 0.0 0.5
lab*tce 0.5 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.25 0.451 0.1 (1.0)
cmyn3* 0.5 0.549 1.0 (0.0)
olvi4* 1.0 0.951 0.5 (1.0)
cmyn4* 0.0 0.049 0.5 0.5
standard and adapted CIELAB
LAB*LAB 52.1 -1.35 45.67
LAB*LABa 52.1 -1.35 45.67
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.44 -0.015 0.5
lab*tch 0.25 0.25 0.255
lab*nch 0.0 0.25 0.255
relative Natural Colour (NC)
lab*trj 0.44 0.0 0.5
lab*tce 0.25 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.0 0.422 0.0 (1.0)
cmyn3* 0.22 0.007 0.25
olvi4* 1.0 0.975 0.75 0.25
cmyn4* 0.0 0.025 0.25 0.75
standard and adapted CIELAB
LAB*LAB 35.06 -0.52 22.59
LAB*LABa 35.06 -0.52 22.59
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.22 0.007 0.25
lab*tch 0.22 0.25 0.255
lab*nch 0.0 0.25 0.255
relative Natural Colour (NC)
lab*trj 0.22 0.0 0.25
lab*tce 0.22 0.25 0.25
lab*nce 0.0 0.25 0.25

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

chromaticness c^*

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

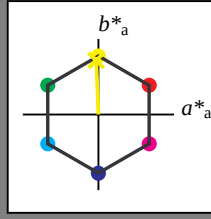
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)									
olvi3*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	76.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	56.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.75	0.75	0.75	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	37.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	18.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

$u^*_{rel} = 100$

relative Inform. Technology (IT)									
olvi3*	0.875	0.875	0.875	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.125	0.125	0.125	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	76.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.7375	0.7375	0.7375	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.2625	0.2625	0.2625	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	66.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	66.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	66.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.7375	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.7375	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.7375	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.2625	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative CIELAB lab*			
lab*lab	0.375	0.009	0.25
lab*ch	0.375	0.25	0.256
lab*nch	0.5	0.25	0.256
relative Natural Colour (NC)			
lab*lrj	0.375	0.0	0.25
lab*ce	0.375	0.25	0.25
lab*nce	0.5	0.25	0.99
relative Inform. Technology (IT)			
olvi3*	0.239	0.25	0.0 (1.0)
cmyn3*	0.761	0.75	1.0 (0.0)
olvi4*	0.989	1.0	0.75 0.25
cmyn4*	0.011	0.0	0.25 0.75
standard and adapted CIELAB			
LAB*LAB	27.69	-0.75	18.9

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

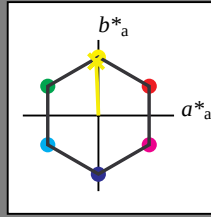
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.977	1.0	0.5	(1.0)
cmyn3*	0.023	0.0	0.5	(0.0)
olvi4*	0.977	1.0	0.5	(1.0)
cmyn4*	0.023	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.06	-1.51	37.81
LAB*LABb	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.977	0.0	0.5
lab*tch	0.977	0.0	0.5
lab*nch	0.0	0.0	0.5

relative Natural Colour (NC)

lab*trj	0.977	0.0	0.5
lab*tce	0.023	0.0	0.5
lab*nce	0.023	0.0	0.5

relative Inform. Technology (IT)

olvi3*	0.727	0.75	0.25	(1.0)
cmyn3*	0.273	0.25	0.75	(0.0)
olvi4*	0.977	1.0	0.5	(1.0)
cmyn4*	0.023	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-1.52	37.82
LAB*LABa	56.71	-1.52	37.82
LAB*LABb	50.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.727	0.0	0.25
lab*tch	0.727	0.0	0.25
lab*nch	0.25	0.0	0.25

relative Natural Colour (NC)

lab*trj	0.727	0.0	0.25
lab*tce	0.273	0.0	0.25
lab*nce	0.273	0.0	0.25

relative Inform. Technology (IT)

olvi3*	0.489	0.5	0.25	(1.0)
cmyn3*	0.511	0.5	0.75	(0.0)
olvi4*	0.977	1.0	0.5	(1.0)
cmyn4*	0.011	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	47.04	-0.75	18.91
LAB*LABa	47.04	-0.75	18.91
LAB*LABb	37.5	0.0	0.0

relative CIELAB lab*

lab*lab	0.489	0.0	0.25
lab*tch	0.489	0.0	0.25
lab*nch	0.25	0.0	0.25

relative Natural Colour (NC)

lab*trj	0.489	0.0	0.25
lab*tce	0.511	0.0	0.25
lab*nce	0.511	0.0	0.25

relative Inform. Technology (IT)

olvi3*	0.239	0.25	0.0	(1.0)
cmyn3*	0.761	0.75	1.0	(0.0)
olvi4*	0.977	1.0	0.5	(1.0)
cmyn4*	0.011	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	27.69	-0.75	18.9
LAB*LABa	27.69	-0.75	18.9
LAB*LABb	12.5	0.0	0.0

relative CIELAB lab*

lab*lab	0.239	0.0	0.25
lab*tch	0.239	0.0	0.25
lab*nch	0.25	0.0	0.25

relative Natural Colour (NC)

lab*trj	0.239	0.0	0.25
lab*tce	0.761	0.0	0.25
lab*nce	0.761	0.0	0.25

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRXXX

for hue $h^* = lab^*h = 92/360 = 0.256$

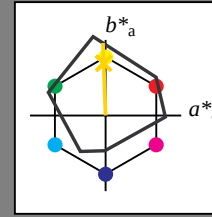
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	-0.11	2.58
LAB*LABa	96.31	-0.11	2.58
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	-0.44	2.45
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	-0.76	2.32
LAB*LABb	50.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	-1.09	2.19
LAB*LABb	25.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	-1.41	2.06
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

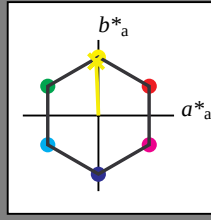
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)									
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	0.75	0.75	0.75	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25	0.25	0.25	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	76.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	0.5	0.5	0.5	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	56.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.75	0.75	0.75	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	0.25	0.25	0.25	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75	0.75	0.75	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	37.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	18.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	0.01	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

$g^*_{H,rel} = 100$

relative Inform. Technology (IT)									
olvi3*	0.989	1.0	0.75	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.011	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	0.989	1.0	0.75	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.011	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	85.73	-0.75	18.91	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	85.73	-0.75	18.91	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	87.5	19.62	92.29	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.875	-0.009	0.25	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.875	-0.009	0.25	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.25	0.256	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.875	-0.009	0.25	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.25	0.99	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.739	0.75	0.5	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.261	0.25	0.5	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	0.739	0.75	0.5	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.011	0.0	0.25	0.25	0.25	0.25	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	66.38	-0.75	18.91	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	66.38	-0.75	18.91	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	62.5	19.62	92.31	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.625	-0.009	0.25	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.625	-0.009	0.25	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.25	0.25	0.256	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.625	-0.009	0.25	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.25	0.99	0.0	0.0	0.0	0.0	0.0	0.0

LAB*LABa	47.04	-0.75	18.91
LAB*TCbA	37.5	18.92	92.31
relative CIELAB lab*			
lab*lab	0.375	-0.009	0.25
lab*ch	0.375	0.25	0.256
lab*ncb	0.5	0.25	0.25
relative Natural Colour (NC)			
lab*lrj	0.375	0.0	0.25
lab*tce	0.375	0.25	0.25
lab*nce	0.5	0.25	0.25
relative Inform. Technology (IT)			
olvi3*	0.239	0.25	1.0 (1.0)
cmyn3*	0.761	0.75	1.0 (0.0)
olvi4*	0.989	0.75	0.25
cmyn4*	0.011	0.0	0.25
standard and adapted CIELAB			
LAB*LAB	27.69	-0.75	18.9

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

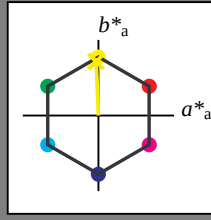
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.01 -0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.01 -0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.01 -0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.977 1.0 0.5 (1.0)
cmyn3* 0.023 0.0 0.5 (0.0)
olvi4* 0.977 1.0 0.5 (1.0)
cmyn4* 0.023 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 1.51 37.81
LAB*LABa 76.06 -1.51 37.81
LAB*LABb 75.01 -0.84 92.3

relative CIELAB lab*
lab*lab 0.75 -0.019 0.499
lab*tch 0.75 0.5 0.256
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*trj 0.75 0.5 0.256
lab*tce 0.25 0.5 0.256
lab*nce 0.0 0.5 0.256

relative Inform. Technology (IT)
olvi3* 0.727 0.75 0.5 (1.0)
cmyn3* 0.273 0.25 0.5 (0.0)
olvi4* 0.977 1.0 0.5 (1.0)
cmyn4* 0.023 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -1.52 37.82
LAB*LABa 56.71 -1.52 37.82
LAB*LABb 50.01 37.85 92.31

relative CIELAB lab*
lab*lab 0.625 -0.009 0.25
lab*tch 0.625 0.25 0.256
lab*nch 0.25 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.625 0.25 0.256
lab*tce 0.625 0.25 0.256
lab*nce 0.25 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.489 0.5 0.25 (1.0)
cmyn3* 0.511 0.5 0.25 (0.0)
olvi4* 0.989 1.0 0.75 0.5
cmyn4* 0.011 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 47.04 -0.75 18.91
LAB*LABa 47.04 -0.75 18.91
LAB*LABb 37.5 18.92 92.31

relative CIELAB lab*
lab*lab 0.375 -0.009 0.25
lab*tch 0.375 0.25 0.256
lab*nch 0.25 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.375 0.25 0.256
lab*tce 0.375 0.25 0.256
lab*nce 0.25 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.239 0.25 0.0 (1.0)
cmyn3* 0.761 0.75 1.0 (0.0)
olvi4* 0.989 1.0 0.75 0.25
cmyn4* 0.011 0.0 0.25 0.75
standard and adapted CIELAB
LAB*LAB 27.65 -0.75 18.9
LAB*LABa 27.65 -0.75 18.9
LAB*LABb 12.5 18.92 92.31

relative CIELAB lab*
lab*lab 0.125 -0.009 0.25
lab*tch 0.125 0.25 0.256
lab*nch 0.75 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.125 0.25 0.256
lab*tce 0.125 0.25 0.256
lab*nce 0.75 0.25 0.256

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

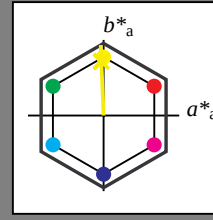
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 62 93 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.01 -0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.01 -0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.01 -0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1,0$

$n^* = 0,50$

blackness n^*

chromaticness c^*

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.989 1.0 0.75 (1.0)
cmyn3* 0.011 0.0 0.25 (0.0)
olvi4* 0.989 1.0 0.75 1.0
cmyn4* 0.011 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 87.09 -0.92 23.3
LAB*LABa 87.09 -0.92 23.3
LAB*LABb 87.5 -23.32 92.29

relative CIELAB lab*
lab*lab 0.913 -0.009 0.25
lab*tch 0.875 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.913 0.25 0.256
lab*tce 0.25 0.25 0.256
lab*nce 0.0 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.739 0.75 0.5 (1.0)
cmyn3* 0.261 0.25 0.5 (0.0)
olvi4* 0.989 1.0 0.75 0.5
cmyn4* 0.011 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 63.25 -0.93 23.31
LAB*LABa 63.25 -0.93 23.31
LAB*LABb 50.0 46.65 92.3

relative CIELAB lab*
lab*lab 0.826 -0.019 0.499
lab*tch 0.75 0.5 0.256
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*trj 0.826 0.5 0.256
lab*tce 0.75 0.5 0.256
lab*nce 0.0 0.5 0.256

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 54.94 -1.87 46.61
LAB*LABa 54.94 -1.87 46.61
LAB*LABb 50.0 46.65 92.31

relative CIELAB lab*
lab*lab 0.663 -0.009 0.25
lab*tch 0.625 0.25 0.256
lab*nch 0.25 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.663 0.25 0.256
lab*tce 0.625 0.25 0.256
lab*nce 0.25 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.489 0.5 0.25 (1.0)
cmyn3* 0.511 0.5 0.25 (0.0)
olvi4* 0.989 1.0 0.75 0.5
cmyn4* 0.011 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 47.04 -0.75 18.91
LAB*LABa 47.04 -0.75 18.91
LAB*LABb 37.5 18.92 92.31

relative CIELAB lab*
lab*lab 0.576 -0.019 0.5
lab*tch 0.576 0.25 0.256
lab*nch 0.25 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.576 0.25 0.256
lab*tce 0.576 0.25 0.256
lab*nce 0.25 0.25 0.256

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

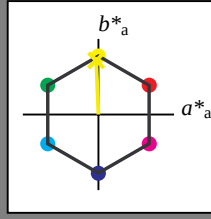
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*LABa \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*LABa \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*LABa \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.977 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.023 \ 0.0 \ 0.5 \ (0.0)$
 $olvi4^* \ 0.977 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn4^* \ 0.023 \ 0.0 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*LABa \ 76.06 \ -1.51 \ 37.81$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ -0.019 \ 0.499$
 $lab^*tch \ 0.75 \ 0.5 \ 0.256$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.25$
 $lab^*tce \ 0.25 \ 0.5 \ 0.25$
 $lab^*nce \ 0.0 \ 0.5 \ 0.99$

relative Inform. Technology (IT)
 $olvi3^* \ 0.727 \ 0.75 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.273 \ 0.25 \ 0.75 \ (0.0)$
 $olvi4^* \ 0.977 \ 1.0 \ 0.5 \ 0.75$
 $cmyn4^* \ 0.023 \ 0.0 \ 0.5 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.71 \ -1.52 \ 37.82$
 $LAB^*LABa \ 56.71 \ -1.52 \ 37.82$
 $LAB^*TCha \ 50.0 \ 37.85 \ 92.31$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ -0.019 \ 0.5$
 $lab^*tch \ 0.5 \ 0.5 \ 0.256$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.5$
 $lab^*tce \ 0.5 \ 0.5 \ 0.25$
 $lab^*nce \ 0.0 \ 0.5 \ 0.99$

relative Inform. Technology (IT)
 $olvi3^* \ 0.489 \ 0.5 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.511 \ 0.5 \ 0.75 \ (0.0)$
 $olvi4^* \ 0.989 \ 1.0 \ 0.75 \ 0.5$
 $cmyn4^* \ 0.011 \ 0.0 \ 0.25 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.04 \ -0.75 \ 18.91$
 $LAB^*LABa \ 47.04 \ -0.75 \ 18.91$
 $LAB^*TCha \ 37.5 \ 18.92 \ 92.31$

relative CIELAB lab*
 $lab^*lab \ 0.375 \ -0.009 \ 0.25$
 $lab^*tch \ 0.375 \ 0.25 \ 0.256$
 $lab^*nch \ 0.0 \ 0.25 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.375 \ 0.0 \ 0.25$
 $lab^*tce \ 0.375 \ 0.25 \ 0.25$
 $lab^*nce \ 0.0 \ 0.25 \ 0.99$

relative Inform. Technology (IT)
 $olvi3^* \ 0.239 \ 0.25 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.761 \ 0.75 \ 1.0 \ (0.0)$
 $olvi4^* \ 0.989 \ 1.0 \ 0.75 \ 0.25$
 $cmyn4^* \ 0.011 \ 0.0 \ 0.25 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 27.69 \ -0.75 \ 18.9$
 $LAB^*LABa \ 27.69 \ -0.75 \ 18.9$
 $LAB^*TCha \ 12.5 \ 18.92 \ 92.31$

relative CIELAB lab*
 $lab^*lab \ 0.125 \ -0.009 \ 0.25$
 $lab^*tch \ 0.125 \ 0.25 \ 0.256$
 $lab^*nch \ 0.0 \ 0.25 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.125 \ 0.0 \ 0.25$
 $lab^*tce \ 0.125 \ 0.25 \ 0.25$
 $lab^*nce \ 0.0 \ 0.25 \ 0.99$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

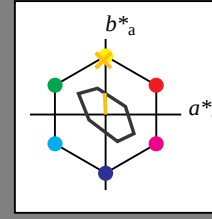
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*LABa \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 88.98 \ 0.0 \ 0.0$
 $LAB^*LABa \ 88.98 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 66.38 \ -2.27 \ 56.72$
 $LAB^*LABa \ 66.38 \ -2.27 \ 56.72$
 $LAB^*TCha \ 62.5 \ 56.77 \ 92.31$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.04 \ -0.75 \ 18.91$
 $LAB^*LABa \ 47.04 \ -0.75 \ 18.91$
 $LAB^*TCha \ 25.0 \ 18.92 \ 92.31$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*LABa \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ 0.0$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	76.43	26.27	10.57	28.32	22
YMa	93.93	-10.76	34.63	36.27	107
LMa	89.32	-35.8	27.64	45.24	142
CMa	90.93	-21.95	-7.07	23.07	198
VMa	72.1	15.76	-35.63	38.97	294
MMa	78.5	37.52	-25.23	45.22	326
NMa	69.7	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 0.935 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.065 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.935 \ 0.75 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.065 \ 0.25 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 93.9 \ -0.28 \ 7.09$
 $LAB^*LABa \ 93.9 \ -0.28 \ 7.09$
 $LAB^*TCha \ 87.5 \ 7.1 \ 92.33$

relative CIELAB lab*
 $lab^*lab \ 0.941 \ -0.009 \ 0.25$
 $lab^*tch \ 0.875 \ 0.25 \ 0.256$
 $lab^*nch \ 0.0 \ 0.25 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.941 \ 0.0 \ 0.25$
 $lab^*tce \ 0.25 \ 0.25 \ 0.25$
 $lab^*nce \ 0.0 \ 0.25 \ 0.99$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.685 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.315 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.935 \ 0.75 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.065 \ 0.25 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 87.48 \ -0.28 \ 7.09$
 $LAB^*LABa \ 87.48 \ -0.28 \ 7.09$
 $LAB^*TCha \ 62.5 \ 7.1 \ 92.31$

relative CIELAB lab*
 $lab^*lab \ 0.691 \ -0.009 \ 0.25$
 $lab^*tch \ 0.625 \ 0.25 \ 0.256$
 $lab^*nch \ 0.0 \ 0.25 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.691 \ 0.0 \ 0.25$
 $lab^*tce \ 0.625 \ 0.25 \ 0.25$
 $lab^*nce \ 0.0 \ 0.25 \ 0.99$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.435 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.565 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.935 \ 0.75 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.065 \ 0.25 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 85.97 \ -0.56 \ 14.19$
 $LAB^*LABa \ 85.97 \ -0.56 \ 14.19$
 $LAB^*TCha \ 50.0 \ 14.2 \ 92.31$

relative CIELAB lab*
 $lab^*lab \ 0.633 \ -0.019 \ 0.5$
 $lab^*tch \ 0.5 \ 0.5 \ 0.256$
 $lab^*nch \ 0.0 \ 0.5 \ 0.256$
 relative Natural Colour (NC)
 $lab^*trj \ 0.633 \ 0.0 \ 0.5$
 $lab^*tce \ 0.5 \ 0.5 \ 0.25$
 $lab^*nce \ 0.0 \ 0.5 \ 0.99$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.37 \ 0.0 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.63 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 0.935 \ 0.75 \ 0.25$
 $cmyn4^* \ 0.0$

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

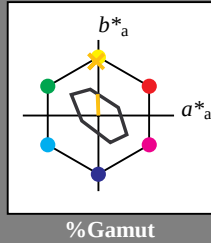
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.0	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	
LAB*LABa	88.98	0.0	0.0	
LAB*TCRa	75.0	0.0	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.56	0.0	0.0	
LAB*LABa	82.56	0.0	0.0	
LAB*TCRa	50.0	0.0	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.13	0.0	0.0	
LAB*LABa	76.13	0.0	0.0	
LAB*TCRa	25.0	0.0	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	
LAB*LABa	69.7	0.0	0.0	
LAB*TCRa	0.0	0.0	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	0.91	0.91	0.91	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	93.9	-0.28	7.09	
LAB*LABa	93.9	-0.28	7.09	
LAB*TCRa	87.5	1.1	92.33	
relative CIELAB lab*				
lab*lab	0.91	-0.009	0.25	
lab*lab	0.91	-0.009	0.25	
lab*lab	0.91	-0.009	0.25	
relative Natural Colour (NC)				
lab*lab	0.91	-0.009	0.25	
lab*lab	0.91	-0.009	0.25	
lab*lab	0.91	-0.009	0.25	

relative Inform. Technology (IT)				
olvi3*	0.75	0.685	0.5	(1.0)
cmyn3*	0.25	0.315	0.5	(0.0)
olvi4*	1.0	0.935	0.75	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	87.48	-0.28	7.09	
LAB*LABa	87.48	-0.28	7.09	
LAB*TCRa	82.5	1.1	92.31	
relative CIELAB lab*				
lab*lab	0.691	-0.009	0.25	
lab*lab	0.625	0.25	0.256	
lab*lab	0.625	0.25	0.256	
relative Natural Colour (NC)				
lab*lab	0.691	0.0	0.25	
lab*lab	0.625	0.25	0.25	
lab*lab	0.625	0.25	0.25	

relative Inform. Technology (IT)				
olvi3*	0.5	0.435	0.25	(1.0)
cmyn3*	0.5	0.565	0.25	(0.0)
olvi4*	1.0	0.935	0.75	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	81.05	-0.28	7.09	
LAB*LABa	81.05	-0.28	7.09	
LAB*TCRa	37.5	7.1	92.31	
relative CIELAB lab*				
lab*lab	0.441	-0.009	0.25	
lab*lab	0.375	0.25	0.256	
lab*lab	0.375	0.25	0.256	
relative Natural Colour (NC)				
lab*lab	0.441	0.0	0.25	
lab*lab	0.375	0.25	0.25	
lab*lab	0.375	0.25	0.25	

relative Inform. Technology (IT)				
olvi3*	0.25	0.185	0.0	(1.0)
cmyn3*	0.75	0.815	1.0	(0.0)
olvi4*	1.0	0.935	0.75	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	74.62	-0.28	7.09	
LAB*LABa	74.62	-0.28	7.09	
LAB*TCRa	12.5	1.1	92.3	
relative CIELAB lab*				
lab*lab	0.191	-0.009	0.25	
lab*lab	0.125	0.25	0.256	
lab*lab	0.125	0.25	0.256	
relative Natural Colour (NC)				
lab*lab	0.191	0.0	0.25	
lab*lab	0.125	0.25	0.25	
lab*lab	0.125	0.25	0.25	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	
LAB*LABa	69.7	0.0	0.0	
LAB*TCRa	0.0	0.0	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

$n^* = 0,25$

relative Inform. Technology (IT)				
olvi3*	1.0	0.87	0.5	(1.0)
cmyn3*	0.0	0.13	0.5	(0.0)
olvi4*	1.0	0.87	0.5	(1.0)
cmyn4*	0.0	0.13	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	92	-0.57	14.19	
LAB*LABa	92	-0.57	14.19	
LAB*TCRa	75.0	1.4	92.32	
relative CIELAB lab*				
lab*lab	0.883	-0.019	0.499	
lab*lab	0.75	0.5	0.256	
lab*lab	0.75	0.5	0.256	
relative Natural Colour (NC)				
lab*lab	0.883	0.0	0.25	
lab*lab	0.75	0.5	0.25	
lab*lab	0.75	0.5	0.25	

relative Inform. Technology (IT)				
olvi3*	1.0	0.805	0.25	(1.0)
cmyn3*	0.0	0.195	0.75	(0.0)
olvi4*	1.0	0.805	0.25	(1.0)
cmyn4*	0.0	0.195	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	90.89	-0.85	21.28	
LAB*LABa	90.89	-0.85	21.28	
LAB*TCRa	62.5	21.3	92.32	
relative CIELAB lab*				
lab*lab	0.824	-0.029	0.749	
lab*lab	0.625	0.75	0.256	
lab*lab	0.625	0.75	0.256	
relative Natural Colour (NC)				
lab*lab	0.824	0.0	0.75	
lab*lab	0.625	0.75	0.25	
lab*lab	0.625	0.75	0.25	

relative Inform. Technology (IT)				
olvi3*	0.75	0.555	0.0	(1.0)
cmyn3*	0.25	0.445	1.0	(0.0)
olvi4*	1.0	0.805	0.25	(1.0)
cmyn4*	0.0	0.195	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	85.97	-0.56	14.19	
LAB*LABa	85.97	-0.56	14.19	
LAB*TCRa	50.0	14.2	92.31	
relative CIELAB lab*				
lab*lab	0.633	-0.019	0.5	
lab*lab	0.5	0.5	0.256	
lab*lab	0.5	0.5	0.256	
relative Natural Colour (NC)				
lab*lab	0.633	0.0	0.5	
lab*lab	0.5	0.5	0.25	
lab*lab	0.5	0.5	0.25	

relative CIELAB lab*				
lab*lab	0.383	-0.019	0.499	
lab*ach	0.25	0.5	0.256	
lab*ncb	0.5	0.5	0.256	
relative Natural Colour (NC)				
lab*lrj	0.383	0.0	0.5	
lab*tce	0.25	0.5	0.25	
lab*nce	0.5	0.5	0.99	

$n^* = 0,50$

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

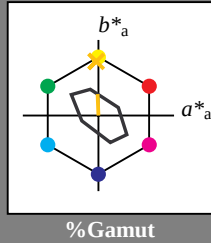
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCHa	99.99	0.0	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0
LAB*TCHa	75.0	0.0	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.59	0.0	0.0	0.0
LAB*LABa	82.59	0.0	0.0	0.0
LAB*TCHa	50.0	0.0	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.13	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0
LAB*TCHa	25.0	0.0	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	-	-
lab*nce	0.75	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0
LAB*TCHa	0.0	0.0	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.13	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0
LAB*TCHa	25.0	0.0	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	-	-
lab*nce	0.75	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.185	0.0	(1.0)
cmyn3*	0.75	0.815	1.0	(0.0)
olvi4*	1.0	0.935	0.75	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	74.62	-0.28	7.09	0.0
LAB*LABa	74.62	-0.28	7.09	0.0
LAB*TCHa	12.5	21.54	92.31	0.0
relative CIELAB lab*				
lab*lab	0.25	0.185	0.0	0.0
lab*tch	0.25	0.185	0.0	0.0
lab*nch	0.75	0.815	1.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.185	0.0	0.0
lab*tce	0.75	0.815	1.0	0.0
lab*nce	0.75	0.815	1.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0
LAB*TCHa	0.0	0.0	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0
LAB*TCHa	0.0	0.0	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)				
olvi3*	1.0	0.87	0.5	(1.0)
cmyn3*	0.0	0.13	0.5	(0.0)
olvi4*	1.0	0.87	0.5	(1.0)
cmyn4*	0.0	0.13	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.0	-0.57	14.19	0.0
LAB*LABa	92.0	-0.57	14.19	0.0
LAB*TCHa	75.0	14.2	92.32	0.0
relative CIELAB lab*				
lab*lab	0.883	-0.019	0.499	0.0
lab*tch	0.75	0.5	0.256	0.0
lab*nch	0.0	0.5	0.256	0.0
relative Natural Colour (NC)				
lab*trj	0.883	0.0	0.25	0.0
lab*tce	0.75	0.5	0.25	0.0
lab*nce	0.75	0.5	0.25	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.685	0.5	(1.0)
cmyn3*	0.25	0.315	0.5	(0.0)
olvi4*	1.0	0.935	0.75	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	87.48	-0.28	7.09	0.0
LAB*LABa	87.48	-0.28	7.09	0.0
LAB*TCHa	75.0	14.2	92.31	0.0
relative CIELAB lab*				
lab*lab	0.691	-0.009	0.25	0.0
lab*tch	0.625	0.25	0.256	0.0
lab*nch	0.25	0.25	0.256	0.0
relative Natural Colour (NC)				
lab*trj	0.691	0.0	0.25	0.0
lab*tce	0.625	0.25	0.25	0.0
lab*nce	0.625	0.25	0.25	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.62	0.25	(1.0)
cmyn3*	0.5	0.38	0.75	(0.0)
olvi4*	1.0	0.87	0.5	(1.0)
cmyn4*	0.0	0.13	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	85.97	-0.56	14.19	0.0
LAB*LABa	85.97	-0.56	14.19	0.0
LAB*TCHa	50.0	14.2	92.31	0.0
relative CIELAB lab*				
lab*lab	0.633	-0.019	0.5	0.0
lab*tch	0.5	0.5	0.256	0.0
lab*nch	0.25	0.5	0.256	0.0
relative Natural Colour (NC)				
lab*trj	0.633	0.0	0.5	0.0
lab*tce	0.5	0.5	0.25	0.0
lab*nce	0.5	0.5	0.25	0.0

relative CIELAB lab*			
lab*lab	0.633	-0.019	0.5
lab*tch	0.5	0.5	0.256
lab*nch	0.25	0.5	0.256
relative Natural Colour (NC)			
lab*lrj	0.633	0.0	0.5
lab*tce	0.5	0.5	0.25
lab*nce	0.25	0.5	0.256

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

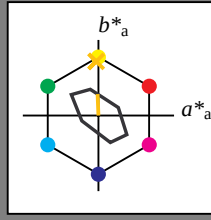
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*LABb	50.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	25.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	1.0	0.87	0.5	(1.0)
cmyn3*	0.0	0.13	0.5	(0.0)
olvi4*	1.0	0.87	0.5	(1.0)
cmyn4*	0.0	0.13	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	92.0	-0.57	14.19
LAB*LABa	92.4	-0.57	14.19
LAB*LABb	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.883	-0.019	0.499
lab*tch	0.75	0.5	0.256
lab*nch	0.0	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.883	0.0	0.25
lab*tce	0.75	0.5	0.25
lab*nce	0.0	0.5	0.25

relative Inform. Technology (IT)

olvi3*	0.75	0.62	0.25	(1.0)
cmyn3*	0.25	0.38	0.75	(0.0)
olvi4*	1.0	0.87	0.5	(1.0)
cmyn4*	0.0	0.13	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	85.97	-0.56	14.19
LAB*LABa	85.97	-0.56	14.19
LAB*LABb	50.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.691	-0.009	0.25
lab*tch	0.625	0.25	0.256
lab*nch	0.25	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.691	0.0	0.25
lab*tce	0.625	0.25	0.25
lab*nce	0.25	0.25	0.25

relative Inform. Technology (IT)

olvi3*	0.5	0.37	0.0	(1.0)
cmyn3*	0.5	0.63	1.0	(0.0)
olvi4*	1.0	0.87	0.5	(1.0)
cmyn4*	0.0	0.13	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	79.54	-0.56	14.19
LAB*LABa	79.54	-0.56	14.19
LAB*LABb	25.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.441	-0.009	0.25
lab*tch	0.375	0.25	0.256
lab*nch	0.25	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.441	0.0	0.25
lab*tce	0.375	0.25	0.25
lab*nce	0.25	0.25	0.25

relative Inform. Technology (IT)

olvi3*	0.25	0.185	0.0	(1.0)
cmyn3*	0.75	0.815	1.0	(0.0)
olvi4*	1.0	0.87	0.5	(1.0)
cmyn4*	0.0	0.13	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	74.62	-0.28	7.09
LAB*LABa	74.62	-0.28	7.09
LAB*LABb	12.5	0.0	0.0

relative CIELAB lab*

lab*lab	0.191	-0.009	0.25
lab*tch	0.125	0.25	0.256
lab*nch	0.25	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.191	0.0	0.25
lab*tce	0.125	0.25	0.25
lab*nce	0.25	0.25	0.25

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 92/360 = 0.256$

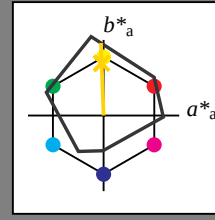
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 83 96 92

olv*Ma: 1.0 0.84 0.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	-0.11	2.58
LAB*LABa	96.31	-0.11	2.58
LAB*LABb	99.99	0.01	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	-0.44	2.45
LAB*LABb	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.38	-1.14	28.37
LAB*LABa	69.38	-1.14	28.37
LAB*LABb	50.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	1.09	2.19
LAB*LABa	36.5	1.09	2.19
LAB*LABb	25.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	-1.41	2.06
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

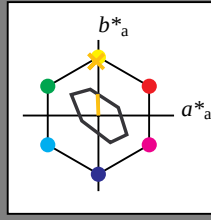
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.0	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*TCHa	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*TCHa	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*TCHa	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*TCHa	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	1.0	0.935	0.75	(1.0)
cmyn3*	0.0	0.065	0.25	(0.0)
olvi4*	1.0	0.935	0.75	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	93.9	-0.28	7.09
LAB*LABa	93.9	-0.28	7.09
LAB*TCHa	87.5	7.1	92.33

relative CIELAB lab*

lab*lab	0.941	-0.009	0.25
lab*tch	0.875	0.25	0.256
lab*nch	0.0	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.941	0.0	0.25
lab*tce	0.875	0.25	0.25
lab*nce	0.0	0.25	0.256

relative Inform. Technology (IT)

olvi3*	0.75	0.685	0.5	(1.0)
cmyn3*	0.25	0.315	0.5	(0.0)
olvi4*	1.0	0.935	0.75	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	87.48	-0.28	7.09
LAB*LABa	87.48	-0.28	7.09
LAB*TCHa	82.5	7.1	92.31

relative CIELAB lab*

lab*lab	0.691	-0.009	0.25
lab*tch	0.625	0.25	0.256
lab*nch	0.25	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.691	0.0	0.25
lab*tce	0.625	0.25	0.25
lab*nce	0.25	0.25	0.256

relative Inform. Technology (IT)

olvi3*	0.5	0.435	0.25	(1.0)
cmyn3*	0.5	0.565	0.25	(0.0)
olvi4*	1.0	0.935	0.75	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	81.05	-0.28	7.09
LAB*LABa	81.05	-0.28	7.09
LAB*TCHa	50.0	14.2	92.31

relative CIELAB lab*

lab*lab	0.441	-0.009	0.25
lab*tch	0.375	0.25	0.256
lab*nch	0.25	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.441	0.0	0.25
lab*tce	0.375	0.25	0.25
lab*nce	0.25	0.25	0.256

relative Inform. Technology (IT)

olvi3*	0.25	0.185	0.0	(1.0)
cmyn3*	0.75	0.815	1.0	(0.0)
olvi4*	1.0	0.935	0.75	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	74.62	-0.28	7.09
LAB*LABa	74.62	-0.28	7.09
LAB*TCHa	12.5	7.1	92.3

relative CIELAB lab*

lab*lab	0.191	-0.009	0.25
lab*tch	0.125	0.25	0.256
lab*nch	0.75	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.191	0.0	0.25
lab*tce	0.125	0.25	0.25
lab*nce	0.75	0.25	0.256

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*TCHa	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	1.0	0.87	0.5	(1.0)
cmyn3*	0.0	0.13	0.5	(0.0)
olvi4*	1.0	0.87	0.5	(1.0)
cmyn4*	0.0	0.13	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	92.0	-0.57	14.19
LAB*LABa	92.0	-0.57	14.19
LAB*TCHa	75.0	14.2	92.32

relative CIELAB lab*

lab*lab	0.883	-0.019	0.499
lab*tch	0.75	0.5	0.256
lab*nch	0.0	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.883	0.0	0.25
lab*tce	0.75	0.5	0.25
lab*nce	0.0	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.75	0.62	0.25	(1.0)
cmyn3*	0.25	0.38	0.75	(0.0)
olvi4*	1.0	0.87	0.5	(1.0)
cmyn4*	0.0	0.13	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	85.97	-0.56	14.19
LAB*LABa	85.97	-0.56	14.19
LAB*TCHa	50.0	14.2	92.31

relative CIELAB lab*

lab*lab	0.633	-0.019	0.5
lab*tch	0.5	0.5	0.256
lab*nch	0.25	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.633	0.0	0.5
lab*tce	0.5	0.5	0.25
lab*nce	0.25	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.5	0.37	0.0	(1.0)
cmyn3*	0.5	0.63	1.0	(0.0)
olvi4*	1.0	0.87	0.5	(1.0)
cmyn4*	0.0	0.13	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	79.54	-0.56	14.19
LAB*LABa	79.54	-0.56	14.19
LAB*TCHa	25.0	14.2	92.31

relative CIELAB lab*

lab*lab	0.383	-0.019	0.499
lab*tch	0.25	0.5	0.256
lab*nch	0.5	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.383	0.0	0.25
lab*tce	0.25	0.5	0.25
lab*nce	0.5	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.25	0.185	0.0	(1.0)
cmyn3*	0.75	0.815	1.0	(0.0)
olvi4*	1.0	0.935	0.75	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	74.62	-0.28	7.09
LAB*LABa	74.62	-0.28	7.09
LAB*TCHa	12.5	7.1	92.3

relative CIELAB lab*

lab*lab	0.191	-0.009	0.25
lab*tch	0.125	0.25	0.256
lab*nch	0.75	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.191	0.0	0.25
lab*tce	0.125	0.25	0.25
lab*nce	0.75	0.25	0.256

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.256$

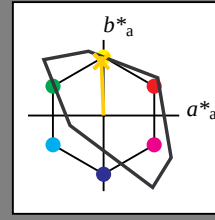
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.0	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCHa	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (

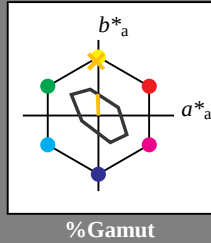
Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J
LCH*Ma: 89 28 92
olv*Ma: 1.0 0.74 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCHa	99.99	0.0	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0
LAB*TCHa	75.0	0.0	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.56	0.0	0.0	0.0
LAB*LABa	82.56	0.0	0.0	0.0
LAB*TCHa	50.0	0.0	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.13	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0
LAB*TCHa	25.0	0.0	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0
LAB*TCHa	0.0	0.0	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)				
olvi3*	1.0	0.87	0.5	(1.0)
cmyn3*	0.0	0.13	0.5	(0.0)
olvi4*	1.0	0.87	0.5	(1.0)
cmyn4*	0.0	0.13	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	92	-0.57	14.19	0.0
LAB*LABa	92	-0.57	14.19	0.0
LAB*TCHa	75.0	0.0	-	-
relative CIELAB lab*				
lab*lab	0.883	-0.019	0.499	0.0
lab*lab	0.883	-0.019	0.499	0.0
lab*lab	0.883	-0.019	0.499	0.0
relative Natural Colour (NC)				
lab*lab	0.883	-0.019	0.499	0.0
lab*lab	0.883	-0.019	0.499	0.0
lab*lab	0.883	-0.019	0.499	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.62	0.25	(1.0)
cmyn3*	0.25	0.38	0.75	(0.0)
olvi4*	1.0	0.87	0.5	(1.0)
cmyn4*	0.0	0.13	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	85.97	-0.56	14.19	0.0
LAB*LABa	85.97	-0.56	14.19	0.0
LAB*TCHa	50.0	0.0	-	-
relative CIELAB lab*				
lab*lab	0.691	-0.009	0.25	0.0
lab*lab	0.691	-0.009	0.25	0.0
lab*lab	0.691	-0.009	0.25	0.0
relative Natural Colour (NC)				
lab*lab	0.691	-0.009	0.25	0.0
lab*lab	0.691	-0.009	0.25	0.0
lab*lab	0.691	-0.009	0.25	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.435	0.25	(1.0)
cmyn3*	0.5	0.565	0.75	(0.0)
olvi4*	1.0	0.87	0.5	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	81.05	-0.28	7.09	0.0
LAB*LABa	81.05	-0.28	7.09	0.0
LAB*TCHa	37.5	0.0	-	-
relative CIELAB lab*				
lab*lab	0.441	-0.009	0.25	0.0
lab*lab	0.441	-0.009	0.25	0.0
lab*lab	0.441	-0.009	0.25	0.0
relative Natural Colour (NC)				
lab*lab	0.441	-0.009	0.25	0.0
lab*lab	0.441	-0.009	0.25	0.0
lab*lab	0.441	-0.009	0.25	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.185	0.0	(1.0)
cmyn3*	0.75	0.815	1.0	(0.0)
olvi4*	1.0	0.87	0.5	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	74.62	-0.28	7.09	0.0
LAB*LABa	74.62	-0.28	7.09	0.0
LAB*TCHa	12.5	0.0	-	-
relative CIELAB lab*				
lab*lab	0.191	-0.009	0.25	0.0
lab*lab	0.191	-0.009	0.25	0.0
lab*lab	0.191	-0.009	0.25	0.0
relative Natural Colour (NC)				
lab*lab	0.191	-0.009	0.25	0.0
lab*lab	0.191	-0.009	0.25	0.0
lab*lab	0.191	-0.009	0.25	0.0

$n^* = 0,50$

chromaticness c^*

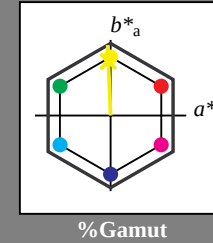
Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch

D65: hue J
LCH*Ma: 62 93 92
olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCHa	99.99	0.02	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	0.0
LAB*LABa	71.57	0.0	0.0	0.0
LAB*TCHa	75.0	0.02	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.5)
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*TCHa	50.0	0.02	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab _a	0.5	0.0	-	
lab*lab _b	0.5	0.0	-	
relative Natural Colour (NC)				
lab*lab _l	0.5	0.0	0.0	
lab*lab _a	0.5	0.0	-	
lab*lab _b	0.5	0.0	-	

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

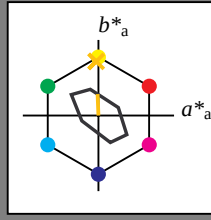
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*LABb	99.99	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0
LAB*LABb	75.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.56	0.0	0.0	0.0
LAB*LABa	82.56	0.0	0.0	0.0
LAB*LABb	50.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.13	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0
LAB*LABb	25.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	0.91	0.91	0.91	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	93.9	-0.28	7.09	0.0
LAB*LABa	93.9	-0.28	7.09	0.0
LAB*LABb	7.1	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.91	-0.009	0.25	0.0
lab*lab	0.91	-0.009	0.25	0.0
lab*lab	0.91	-0.009	0.25	0.0
relative Natural Colour (NC)				
lab*lab	0.91	-0.009	0.25	0.0
lab*lab	0.91	-0.009	0.25	0.0
lab*lab	0.91	-0.009	0.25	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.685	0.5	(1.0)
cmyn3*	0.25	0.315	0.5	(0.0)
olvi4*	1.0	0.935	0.75	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	87.48	-0.28	7.09	0.0
LAB*LABa	87.48	-0.28	7.09	0.0
LAB*LABb	7.1	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.691	-0.009	0.25	0.0
lab*lab	0.625	0.25	0.256	0.0
lab*lab	0.625	0.25	0.256	0.0
relative Natural Colour (NC)				
lab*lab	0.691	-0.009	0.25	0.0
lab*lab	0.625	0.25	0.256	0.0
lab*lab	0.625	0.25	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.435	0.25	(1.0)
cmyn3*	0.5	0.565	0.75	(0.0)
olvi4*	1.0	0.935	0.75	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	81.05	-0.28	7.09	0.0
LAB*LABa	81.05	-0.28	7.09	0.0
LAB*LABb	7.1	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.441	-0.009	0.25	0.0
lab*lab	0.375	0.25	0.256	0.0
lab*lab	0.375	0.25	0.256	0.0
relative Natural Colour (NC)				
lab*lab	0.441	-0.009	0.25	0.0
lab*lab	0.375	0.25	0.256	0.0
lab*lab	0.375	0.25	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.185	0.0	(1.0)
cmyn3*	0.75	0.815	1.0	(0.0)
olvi4*	1.0	0.935	0.75	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	74.62	-0.28	7.09	0.0
LAB*LABa	74.62	-0.28	7.09	0.0
LAB*LABb	7.1	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.191	-0.009	0.25	0.0
lab*lab	0.125	0.25	0.256	0.0
lab*lab	0.125	0.25	0.256	0.0
relative Natural Colour (NC)				
lab*lab	0.191	-0.009	0.25	0.0
lab*lab	0.125	0.25	0.256	0.0
lab*lab	0.125	0.25	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	1.0	0.87	0.5	(1.0)
cmyn3*	0.0	0.13	0.5	(0.0)
olvi4*	1.0	0.935	0.75	(1.0)
cmyn4*	0.0	0.13	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.0	-0.57	14.19	0.0
LAB*LABa	92.0	-0.57	14.19	0.0
LAB*LABb	14.2	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.883	-0.019	0.499	0.0
lab*lab	0.75	0.5	0.256	0.0
lab*lab	0.75	0.5	0.256	0.0
relative Natural Colour (NC)				
lab*lab	0.883	-0.019	0.499	0.0
lab*lab	0.75	0.5	0.256	0.0
lab*lab	0.75	0.5	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	1.0	0.805	0.25	(1.0)
cmyn3*	0.0	0.195	0.75	(0.0)
olvi4*	1.0	0.805	0.25	(1.0)
cmyn4*	0.0	0.195	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	80.89	-0.85	21.28	0.0
LAB*LABa	80.89	-0.85	21.28	0.0
LAB*LABb	21.3	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.824	-0.029	0.749	0.0
lab*lab	0.625	0.75	0.256	0.0
lab*lab	0.625	0.75	0.256	0.0
relative Natural Colour (NC)				
lab*lab	0.824	-0.029	0.749	0.0
lab*lab	0.625	0.75	0.256	0.0
lab*lab	0.625	0.75	0.256	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.555	0.0	(1.0)
cmyn3*	0.25	0.445	1.0	(0.0)
olvi4*	1.0	0.805	0.25	(1.0)
cmyn4*	0.0	0.195	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	85.97	-0.56	14.19	0.0
LAB*LABa	85.97	-0.56	14.19	0.0
LAB*LABb	14.2	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.633	-0.019	0.5	0.0
lab*lab	0.5	0.5	0.256	0.0
lab*lab	0.5	0.5	0.256	0.0
relative Natural Colour (NC)				
lab*lab	0.633	-0.019	0.5	0.0
lab*lab	0.5	0.5	0.256	0.0
lab*lab	0.5	0.5	0.256	0.0

relative Inform. Technology (IT)		
----------------------------------	--	--

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

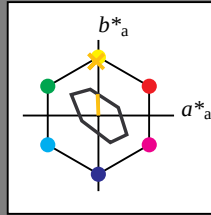
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*LABb	50.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	25.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	0.91	0.91	0.91	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	92.4	-0.28	7.09
LAB*LABa	92.4	-0.28	7.09
LAB*LABb	7.1	1.0	0.0

relative CIELAB lab*

lab*lab	0.91	-0.009	0.25
lab*tch	0.91	-0.009	0.25
lab*nch	0.0	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.91	0.0	0.25
lab*tce	0.0	0.25	0.256
lab*nce	0.0	0.25	0.256

relative Inform. Technology (IT)

olvi3*	0.75	0.685	0.5	(1.0)
cmyn3*	0.25	0.315	0.5	(0.0)
olvi4*	1.0	0.935	0.75	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	87.48	-0.28	7.09
LAB*LABa	87.48	-0.28	7.09
LAB*LABb	7.1	1.0	0.0

relative CIELAB lab*

lab*lab	0.691	-0.009	0.25
lab*tch	0.625	0.25	0.256
lab*nch	0.25	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.691	0.0	0.25
lab*tce	0.25	0.25	0.25
lab*nce	0.25	0.25	0.256

relative Inform. Technology (IT)

olvi3*	0.5	0.435	0.25	(1.0)
cmyn3*	0.5	0.565	0.25	(0.0)
olvi4*	1.0	0.935	0.75	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	81.05	-0.28	7.09
LAB*LABa	81.05	-0.28	7.09
LAB*LABb	7.1	1.0	0.0

relative CIELAB lab*

lab*lab	0.441	-0.009	0.25
lab*tch	0.375	0.25	0.256
lab*nch	0.25	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.441	0.0	0.25
lab*tce	0.25	0.25	0.25
lab*nce	0.25	0.25	0.256

relative Inform. Technology (IT)

olvi3*	0.25	0.185	0.0	(1.0)
cmyn3*	0.75	0.815	1.0	(0.0)
olvi4*	1.0	0.935	0.75	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	74.62	-0.28	7.09
LAB*LABa	74.62	-0.28	7.09
LAB*LABb	7.1	1.0	0.0

relative CIELAB lab*

lab*lab	0.191	-0.009	0.25
lab*tch	0.125	0.25	0.256
lab*nch	0.25	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.191	0.0	0.25
lab*tce	0.125	0.25	0.25
lab*nce	0.25	0.25	0.256

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	1.0	0.87	0.5	(1.0)
cmyn3*	0.0	0.13	0.5	(0.0)
olvi4*	1.0	0.87	0.5	(1.0)
cmyn4*	0.0	0.13	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	92.4	-0.57	14.19
LAB*LABa	92.4	-0.57	14.19
LAB*LABb	14.2	92.32	0.0

relative CIELAB lab*

lab*lab	0.883	-0.019	0.499
lab*tch	0.75	0.5	0.256
lab*nch	0.0	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.883	0.0	0.25
lab*tce	0.0	0.5	0.256
lab*nce	0.0	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.75	0.62	0.25	(1.0)
cmyn3*	0.25	0.38	0.75	(0.0)
olvi4*	1.0	0.87	0.5	(1.0)
cmyn4*	0.0	0.13	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	85.97	-0.56	14.19
LAB*LABa	85.97	-0.56	14.19
LAB*LABb	50.0	14.2	92.31

relative CIELAB lab*

lab*lab	0.633	-0.019	0.5
lab*tch	0.5	0.5	0.256
lab*nch	0.25	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.633	0.0	0.5
lab*tce	0.5	0.5	0.25
lab*nce	0.25	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.5	0.37	0.0	(1.0)
cmyn3*	0.5	0.63	1.0	(0.0)
olvi4*	1.0	0.87	0.5	(1.0)
cmyn4*	0.0	0.13	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	79.54	-0.56	14.19
LAB*LABa	79.54	-0.56	14.19
LAB*LABb	25.0	14.2	92.31

relative CIELAB lab*

lab*lab	0.383	-0.019	0.499
lab*tch	0.25	0.5	0.256
lab*nch	0.5	0.5	0.256

relative Natural Colour (NC)

lab*trj	0.383	0.0	0.25
lab*tce	0.25	0.5	0.25
lab*nce	0.5	0.5	0.256

relative Inform. Technology (IT)

olvi3*	0.25	0.185	0.0	(1.0)
cmyn3*	0.75	0.815	1.0	(0.0)
olvi4*	1.0	0.935	0.75	(1.0)
cmyn4*	0.0	0.065	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	74.62	-0.28	7.09
LAB*LABa	74.62	-0.28	7.09
LAB*LABb	7.1	1.0	0.0

relative CIELAB lab*

lab*lab	0.191	-0.009	0.25
lab*tch	0.125	0.25	0.256
lab*nch	0.25	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.191	0.0	0.25
lab*tce	0.125	0.25	0.25
lab*nce	0.25	0.25	0.256

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

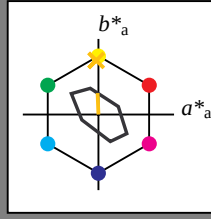
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.0 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*TCRa 75.0 0.0 -

relative CIELAB lab*
lab*lab 0.883 -0.019 0.499
lab*tch 0.75 0.5 0.256
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*trj 0.883 0.0 0.5
lab*tce 0.75 0.5 0.256
lab*nce 0.0 0.5 0.256

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.56 0.0 0.0
LAB*LABa 82.56 0.0 0.0
LAB*TCRa 50.0 0.0 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.13 0.0 0.0
LAB*LABa 76.13 0.0 0.0
LAB*TCRa 25.0 0.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCRa 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 1.0 0.87 0.5 (1.0)
cmyn3* 0.0 0.13 0.5 (0.0)
olvi4* 1.0 0.87 0.5 (1.0)
cmyn4* 0.0 0.13 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 92.0 -0.57 14.19
LAB*LABa 92.4 -0.57 14.19
LAB*TCRa 75.0 14.2 92.32

relative CIELAB lab*
lab*lab 0.883 -0.019 0.499
lab*tch 0.75 0.5 0.256
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*trj 0.883 0.0 0.5
lab*tce 0.75 0.5 0.256
lab*nce 0.0 0.5 0.256

relative Inform. Technology (IT)
olvi3* 0.75 0.62 0.25 (1.0)
cmyn3* 0.25 0.38 0.75 (0.0)
olvi4* 1.0 0.87 0.5 (1.0)
cmyn4* 0.0 0.13 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 85.97 -0.56 14.19
LAB*LABa 85.97 -0.56 14.19
LAB*TCRa 50.0 14.2 92.31

relative CIELAB lab*
lab*lab 0.633 -0.019 0.5
lab*tch 0.633 0.5 0.256
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*trj 0.633 0.0 0.5
lab*tce 0.633 0.5 0.256
lab*nce 0.0 0.5 0.256

relative Inform. Technology (IT)
olvi3* 0.5 0.37 0.0 (1.0)
cmyn3* 0.5 0.63 1.0 (0.0)
olvi4* 1.0 0.87 0.5 (1.0)
cmyn4* 0.0 0.13 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 79.54 -0.56 14.19
LAB*LABa 79.54 -0.56 14.19
LAB*TCRa 25.0 14.2 92.31

relative CIELAB lab*
lab*lab 0.383 -0.019 0.499
lab*tch 0.25 0.5 0.256
lab*nch 0.5 0.5 0.256
relative Natural Colour (NC)
lab*trj 0.383 0.0 0.5
lab*tce 0.25 0.5 0.256
lab*nce 0.5 0.5 0.256

relative Inform. Technology (IT)
olvi3* 0.25 0.185 0.0 (1.0)
cmyn3* 0.75 0.815 1.0 (0.0)
olvi4* 1.0 0.87 0.5 (1.0)
cmyn4* 0.0 0.13 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 74.62 -0.28 7.09
LAB*LABa 74.62 -0.28 7.09
LAB*TCRa 12.5 7.1 92.3

relative CIELAB lab*
lab*lab 0.191 -0.009 0.25
lab*tch 0.125 0.25 0.256
lab*nch 0.75 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.191 0.0 0.25
lab*tce 0.125 0.25 0.256
lab*nce 0.75 0.25 0.256

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 92/360 = 0.256$

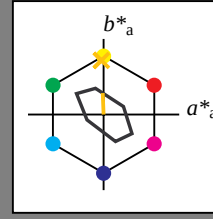
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.0 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*TCRa 75.0 0.0 -

relative CIELAB lab*
lab*lab 0.883 -0.019 0.499
lab*tch 0.75 0.5 0.256
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*trj 0.883 0.0 0.5
lab*tce 0.75 0.5 0.256
lab*nce 0.0 0.5 0.256

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.56 0.0 0.0
LAB*LABa 82.56 0.0 0.0
LAB*TCRa 50.0 0.0 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.13 0.0 0.0
LAB*LABa 76.13 0.0 0.0
LAB*TCRa 25.0 0.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCRa 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 1.0 0.935 0.75 (1.0)
cmyn3* 0.0 0.065 0.25 (0.0)
olvi4* 1.0 0.935 0.75 (1.0)
cmyn4* 0.0 0.065 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 93.9 -0.28 7.09
LAB*LABa 93.9 -0.28 7.09
LAB*TCRa 87.5 7.1 92.33

relative CIELAB lab*
lab*lab 0.941 -0.009 0.25
lab*tch 0.875 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.941 0.0 0.25
lab*tce 0.875 0.25 0.256
lab*nce 0.0 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.75 0.685 0.5 (1.0)
cmyn3* 0.25 0.315 0.5 (0.0)
olvi4* 1.0 0.935 0.75 (1.0)
cmyn4* 0.0 0.065 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 87.48 -0.28 7.09
LAB*LABa 87.48 -0.28 7.09
LAB*TCRa 62.5 7.1 92.31

relative CIELAB lab*
lab*lab 0.883 -0.019 0.499
lab*tch 0.75 0.5 0.256
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*trj 0.883 0.0 0.5
lab*tce 0.75 0.5 0.256
lab*nce 0.0 0.5 0.256

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.56 0.0 0.0
LAB*LABa 82.56 0.0 0.0
LAB*TCRa 50.0 0.0 -

relative CIELAB lab*
lab*lab 0.633 -0.019 0.5
lab*tch 0.633 0.5 0.256
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*trj 0.633 0.0 0.5
lab*tce 0.633 0.5 0.256
lab*nce 0.0 0.5 0.256

relative Inform. Technology (IT)
olvi3* 0.25 0.37 0.0 (1.0)
cmyn3* 0.5 0.63 1.0 (0.0)
olvi4* 1.0 0.87 0.5 (1.0)
cmyn4* 0.0 0.13 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 79.54 -0.56 14.19
LAB*LABa 79.54 -0.56 14.19
LAB*TCRa 25.0 14.2 92.31

relative CIELAB lab*
lab*lab 0.383 -0.019 0.499
lab*tch 0.25 0.5 0.256
lab*nch 0.5 0.5 0.256
relative Natural Colour (NC)
lab*trj 0.383 0.0 0.5
lab*tce 0.25 0.5 0.256
lab*nce 0.5 0.5 0.256

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCRa 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

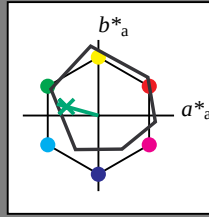
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	4.75
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	1.0	0.0	-	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.623	(1.0)
cmyn3*	0.5	0.0	0.377	(0.0)
olvi4*	0.5	1.0	0.623	1.0
cmyn4*	0.5	0.0	0.377	0.0
standard and adapted CIELAB				
LAB*LAB	74.1	-27.98	10.94	0.0
LAB*LABa	74.1	-27.4	7.62	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	-0.481	0.134	0.0
lab*tch	0.5	0.5	0.457	0.0
lab*nch	0.0	0.5	0.457	0.0
relative Natural Colour (NC)				
lab*trj	0.5	-0.489	0.0	0.0
lab*tce	0.5	0.5	0.5	0.0
lab*nce	0.0	0.5	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.75	0.373	(1.0)
cmyn3*	0.75	0.25	0.627	(0.0)
olvi4*	0.5	1.0	0.623	0.75
cmyn4*	0.5	0.0	0.377	0.25
standard and adapted CIELAB				
LAB*LAB	54.76	-27.61	9.64	0.0
LAB*LABa	54.76	-27.41	7.63	0.0
LAB*TCRa	50.0	28.46	164.45	0.0
relative CIELAB lab*				
lab*lab	0.475	-0.481	0.134	0.0
lab*tch	0.475	0.5	0.457	0.0
lab*nch	0.0	0.5	0.457	0.0
relative Natural Colour (NC)				
lab*trj	0.475	-0.489	0.0	0.0
lab*tce	0.5	0.5	0.5	0.0
lab*nce	0.25	0.5	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.123	(1.0)
cmyn3*	1.0	0.5	0.877	(0.0)
olvi4*	0.5	1.0	0.623	0.5
cmyn4*	0.5	0.0	0.377	0.5
standard and adapted CIELAB				
LAB*LAB	35.41	-27.24	8.34	0.0
LAB*LABa	35.41	-27.4	7.63	0.0
LAB*TCRa	25.01	28.46	164.44	0.0
relative CIELAB lab*				
lab*lab	0.225	-0.481	0.134	0.0
lab*tch	0.25	0.5	0.457	0.0
lab*nch	0.5	0.5	0.457	0.0
relative Natural Colour (NC)				
lab*trj	0.25	-0.489	0.0	0.0
lab*tce	0.25	0.5	0.5	0.0
lab*nce	0.5	0.5	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.062	(1.0)
cmyn3*	1.0	0.75	0.938	(0.0)
olvi4*	0.75	1.0	0.812	0.25
cmyn4*	0.25	0.0	0.188	0.75
standard and adapted CIELAB				
LAB*LAB	26.71	-13.36	3.94	0.0
LAB*LABa	26.71	-13.7	3.82	0.0
LAB*TCRa	12.5	14.23	164.43	0.0
relative CIELAB lab*				
lab*lab	0.112	-0.24	0.067	0.0
lab*tch	0.125	0.25	0.457	0.0
lab*nch	0.75	0.25	0.457	0.0
relative Natural Colour (NC)				
lab*trj	0.112	-0.249	0.0	0.0
lab*tce	0.125	0.25	0.5	0.0
lab*nce	0.75	0.25	0.0	0.0

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

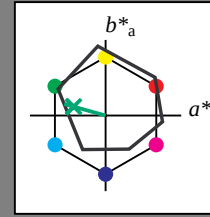
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	-0.98	4.75	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*cb	0.5	0.0	-	-
lab*nch	0.5	0.0	-	-
relative Natural Colour (NC)				
lab*nlr	0.5	0.0	0.0	0.0
lab*nlc	0.5	0.0	-	-
lab*nCe	0.5	0.0	-	-

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

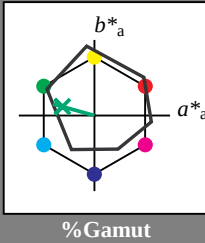
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	1.0	0.0
cmyn3*	0.25	0.25	0.25	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	76.06	-0.61	3.44	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-	-
lab*nch	0.0	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-	-
lab*nce	0.0	0.0	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	1.0	0.0
cmyn3*	0.25	0.25	0.25	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	76.06	-0.61	3.44	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-	-
lab*nch	0.25	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-	-
lab*nce	0.25	0.0	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	1.0	0.0
cmyn3*	0.5	0.5	0.5	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	56.71	-0.24	2.14	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0	0.0
LAB*TCHa	50.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-	-
lab*nch	0.5	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-	-
lab*nce	0.5	0.0	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	1.0	0.0
cmyn3*	0.75	0.75	0.75	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	37.36	0.13	83.03	0.0	0.0
LAB*LABa	37.36	0.0	0.0	0.0	0.0
LAB*TCHa	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-	-
lab*nch	0.75	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-	-
lab*nce	0.75	0.0	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	1.0	0.0
cmyn3*	1.0	1.0	1.0	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.47	0.0	0.0
LAB*LABa	18.02	0.0	0.0	0.0	0.0
LAB*TCHa	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-	-
lab*nch	1.0	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-	-
lab*nce	1.0	0.0	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.75	1.0	0.812	1.0	0.0
cmyn3*	0.25	0.0	0.188	0.0	0.0
olvi4*	0.75	1.0	0.812	1.0	0.0
cmyn4*	0.25	0.0	0.188	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	84.75	-14.48	7.85	0.0	0.0
LAB*LABa	84.75	-13.69	3.81	0.0	0.0
LAB*TCHa	87.5	14.22	164.46	0.0	0.0
relative CIELAB lab*					
lab*lab	0.862	-0.24	0.067	0.0	0.0
lab*tch	0.875	0.25	0.457	0.0	0.0
lab*nch	0.0	0.25	0.457	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.862	-0.249	0.0	0.0	0.0
lab*tce	0.875	0.25	0.5	0.0	0.0
lab*nce	0.0	0.25	0.006	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.5	0.75	0.562	1.0	0.0
cmyn3*	0.5	0.25	0.438	0.0	0.0
olvi4*	0.75	1.0	0.812	0.5	0.0
cmyn4*	0.25	0.0	0.188	0.25	0.0
standard and adapted CIELAB					
LAB*LAB	65.41	-14.11	6.35	0.0	0.0
LAB*LABa	65.41	-13.7	3.81	0.0	0.0
LAB*TCHa	62.5	14.23	164.45	0.0	0.0
relative CIELAB lab*					
lab*lab	0.612	-0.24	0.067	0.0	0.0
lab*tch	0.625	0.25	0.457	0.0	0.0
lab*nch	0.25	0.25	0.457	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.612	-0.249	0.0	0.0	0.0
lab*tce	0.625	0.25	0.5	0.0	0.0
lab*nce	0.25	0.25	0.998	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.25	0.5	0.312	1.0	0.0
cmyn3*	0.75	0.5	0.688	0.0	0.0
olvi4*	0.75	1.0	0.812	0.5	0.0
cmyn4*	0.25	0.0	0.188	0.5	0.0
standard and adapted CIELAB					
LAB*LAB	46.06	-13.74	5.24	0.0	0.0
LAB*LABa	46.06	-13.7	3.81	0.0	0.0
LAB*TCHa	37.5	14.23	164.45	0.0	0.0
relative CIELAB lab*					
lab*lab	0.362	-0.24	0.067	0.0	0.0
lab*tch	0.375	0.25	0.457	0.0	0.0
lab*nch	0.25	0.25	0.457	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.362	-0.249	0.0	0.0	0.0
lab*tce	0.375	0.25	0.5	0.0	0.0
lab*nce	0.25	0.25	0.998	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.25	0.062	1.0	0.0
cmyn3*	1.0	0.75	0.938	0.0	0.0
olvi4*	0.75	1.0	0.812	0.25	0.0
cmyn4*	0.25	0.0	0.188	0.75	0.0
standard and adapted CIELAB					
LAB*LAB	26.71	-13.36	3.94	0.0	0.0
LAB*LABa	26.71	-13.7	3.81	0.0	0.0
LAB*TCHa	12.5	14.23	164.43	0.0	0.0
relative CIELAB lab*					
lab*lab	0.112	-0.24	0.067	0.0	0.0
lab*tch	0.125	0.25	0.457	0.0	0.0
lab*nch	0.75	0.25	0.457	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.112	-0.249	0.0	0.0	0.0
lab*tce	0.125	0.25	0.5	0.0	0.0
lab*nce	0.75	0.25	0.998	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	1.0	0.0
cmyn3*	1.0	0.0	0.0	0.0	0.0
olvi4*	1.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.47	0.0	0.0
LAB*LABa	18.02	0.0	0.0	0.0	0.0
LAB*TCHa	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-	-
lab*nch	1.0	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-	-
lab*nce	1.0	0.0	-	-	-

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,75$

$n^* = 0,25$

$n^* = 0,75$

$n^* = 0,25$

$n^* = 0,75$

$n^* = 0,25$

$n^* = 0,75$

$n^* = 0,25$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

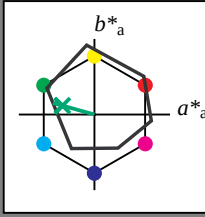
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	-36.47	4.75	
LAB*LABa	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.98	-0.61	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	8.83	
LAB*LABa	37.36	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.75	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.623	(1.0)
cmyn3*	0.5	0.0	0.377	(0.0)
olvi4*	0.5	1.0	0.623	1.0
cmyn4*	0.5	0.0	0.377	0.0
standard and adapted CIELAB				
LAB*LAB	74.1	-27.98	10.94	
LAB*LABa	74.1	-27.4	7.62	
LAB*TCRa	75.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.5	-0.481	0.134	
lab*tch	0.5	0.5	0.457	
lab*nch	0.0	0.5	0.457	
relative Natural Colour (NC)				
lab*trj	0.5	-0.489	0.0	
lab*tce	0.5	0.5	0.5	
lab*nce	0.0	0.5	0.5	

relative Inform. Technology (IT)				
olvi3*	0.25	0.75	0.373	(1.0)
cmyn3*	0.75	0.25	0.627	(0.0)
olvi4*	0.5	1.0	0.623	0.75
cmyn4*	0.5	0.0	0.377	0.25
standard and adapted CIELAB				
LAB*LAB	54.76	-27.61	6.63	
LAB*LABa	54.76	-27.41	7.63	
LAB*TCRa	50.0	28.46	164.45	
relative CIELAB lab*				
lab*lab	0.475	-0.481	0.134	
lab*tch	0.475	0.5	0.457	
lab*nch	0.25	0.5	0.457	
relative Natural Colour (NC)				
lab*trj	0.475	-0.489	0.0	
lab*tce	0.5	0.5	0.5	
lab*nce	0.25	0.5	0.5	

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.123	(1.0)
cmyn3*	1.0	0.5	0.877	(0.0)
olvi4*	0.5	1.0	0.623	0.5
cmyn4*	0.5	0.0	0.377	0.5
standard and adapted CIELAB				
LAB*LAB	35.41	-27.24	8.34	
LAB*LABa	35.41	-27.4	7.63	
LAB*TCRa	25.01	28.46	164.45	
relative CIELAB lab*				
lab*lab	0.225	-0.481	0.134	
lab*tch	0.25	0.5	0.457	
lab*nch	0.5	0.5	0.457	
relative Natural Colour (NC)				
lab*trj	0.225	-0.489	0.0	
lab*tce	0.25	0.5	0.5	
lab*nce	0.5	0.5	0.5	

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.062	(1.0)
cmyn3*	1.0	0.75	0.938	(0.0)
olvi4*	0.5	1.0	0.812	0.25
cmyn4*	0.25	0.0	0.188	0.75
standard and adapted CIELAB				
LAB*LAB	26.71	-13.36	3.94	
LAB*LABa	26.71	-13.7	3.82	
LAB*TCRa	12.5	14.23	164.43	
relative CIELAB lab*				
lab*lab	0.112	-0.24	0.067	
lab*tch	0.125	0.25	0.457	
lab*nch	0.75	0.25	0.457	
relative Natural Colour (NC)				
lab*trj	0.112	-0.249	0.0	
lab*tce	0.125	0.25	0.5	
lab*nce	0.75	0.25	0.5	

$n^* = 0,50$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

0,50

0,75

1,00

chromaticness c^*

0,00

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 165/360 = 0.458$

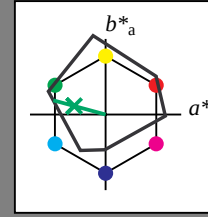
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	0.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	96.31	-0.11	2.58	
LAB*LABa	96.31	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	
LAB*LABa	76.38	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	
LAB*Lab	56.44	0.00	0.00	
LAB*TChO	50.00	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*ch	0.5	0.0	-	
lab*ncb	0.5	0.0	-	
relative Natural Colour (NC)				
lab*nlr	0.5	0.0	0.0	
lab*nc	0.5	0.0	-	
lab*nce	0.5	0.0	-	

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

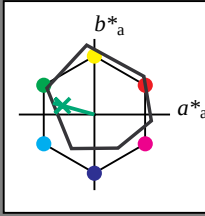
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

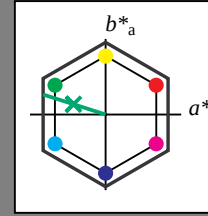
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 1.0 0.0 0.0

lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 0.5 0.5 0.5 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.71 0.0 0.0

LAB*LABa 56.71 0.0 0.0

LAB*LABb 56.71 0.0 0.0

LAB*LABc 56.71 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.02 0.0 -0.47

LAB*LABa 18.02 0.0 0.0

LAB*LABb 18.02 0.0 0.0

LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

blackness $n^* = 1,0$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 1.0 0.0 0.0

lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 0.5 0.5 0.5 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 47.72 0.0 0.0

LAB*LABa 47.72 0.0 0.0

LAB*LABb 47.72 0.0 0.0

LAB*LABc 47.72 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

LAB*LABc 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

blackness $n^* = 1,0$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

1,25

1,50

1,75

2,00

2,25

2,50

2,75

3,00

3,25

3,50

3,75

4,00

4,25

4,50

4,75

5,00

5,25

5,50

5,75

6,00

6,25

6,50

6,75

7,00

7,25

7,50

7,75

8,00

8,25

8,50

8,75

9,00

9,25

9,50

9,75

10,00

10,25

10,50

10,75

11,00

11,25

11,50

11,75

12,00

12,25

12,50

12,75

13,00

13,25

13,50

13,75

14,00

14,25

14,50

14,75

15,00

15,25

15,50

15,75

16,00

16,25

16,50

16,75

17,00

17,25

17,50

17,75

18,00

18,25

18,50

18,75

19,00

19,25

19,50

19,75

20,00

20,25

20,50

20,75

21,00

21,25

21,50

21,75

22,00

22,25

22,50

22,75

23,00

23,25

23,50

23,75

24,00

24,25

24,50

24,75

25,00

25,25

25,50

25,75

26,00

26,25

26,50

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

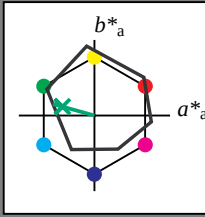
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	4.75
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	-	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.5	0.5	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	65.41	-13.7	3.81	0.0
LAB*LABa	65.41	0.0	0.0	0.0
LAB*TCRa	62.5	14.23	164.45	0.0
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.5	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.25	0.25	0.25	0.25
standard and adapted CIELAB				
LAB*LAB	46.06	-13.74	5.24	0.0
LAB*LABa	46.06	-13.7	3.81	0.0
LAB*TCRa	37.5	14.23	164.45	0.0
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.25	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	26.71	-13.36	3.94	0.0
LAB*LABa	26.71	-13.7	3.81	0.0
LAB*TCRa	12.5	14.23	164.45	0.0
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	-	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

$n^* = 5,25$

$n^* = 5,50$

$n^* = 5,75$

$n^* = 6,00$

$n^* = 6,25$

$n^* = 6,50$

$n^* = 6,75$

$n^* = 7,00$

$n^* = 7,25$

$n^* = 7,50$

$n^* = 7,75$

$n^* = 8,00$

$n^* = 8,25$

$n^* = 8,50$

$n^* = 8,75$

$n^* = 9,00$

$n^* = 9,25$

$n^* = 9,50$

$n^* = 9,75$

$n^* = 10,00$

$n^* = 10,25$

$n^* = 10,50$

$n^* = 10,75$

$n^* = 11,00$

$n^* = 11,25$

$n^* = 11,50$

$n^* = 11,75$

$n^* = 12,00$

$n^* = 12,25$

$n^* = 12,50$

$n^* = 12,75$

$n^* = 13,00$

$n^* = 13,25$

$n^* = 13,50$

$n^* = 13,75$

$n^* = 14,00$

$n^* = 14,25$

$n^* = 14,50$

$n^* = 14,75$

$n^* = 15,00$

$n^* = 15,25$

$n^* = 15,50$

$n^* = 15,75$

$n^* = 16,00$

$n^* = 16,25$

$n^* = 16,50$

$n^* = 16,75$

$n^* = 17,00$

$n^* = 17,25$

$n^* = 17,50$

$n^* = 17,75$

$n^* = 18,00$

$n^* = 18,25$

$n^* = 18,50$

$n^* = 18,75$

$n^* = 19,00$

$n^* = 19,25$

$n^* = 19,50$

$n^* = 19,75$

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

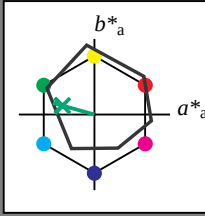
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	4.75
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	-	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	1.0	0.0	-	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.623	(1.0)
cmyn3*	0.5	0.0	0.377	(0.0)
olvi4*	0.5	1.0	0.623	1.0
cmyn4*	0.5	0.0	0.377	0.0
standard and adapted CIELAB				
LAB*LAB	74.1	-27.98	10.94	0.0
LAB*LABa	74.1	-27.98	7.62	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.5	0.457	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.0	0.5	0.457	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.75	0.373	(1.0)
cmyn3*	0.75	0.25	0.627	(0.0)
olvi4*	0.5	1.0	0.623	0.75
cmyn4*	0.5	0.0	0.377	0.25
standard and adapted CIELAB				
LAB*LAB	54.76	-27.61	6.63	0.0
LAB*LABa	54.76	-27.61	6.63	0.0
LAB*TCRa	50.0	28.46	164.45	0.0
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.25	0.457	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.0	0.25	0.457	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.123	(1.0)
cmyn3*	0.5	0.0	0.877	(0.0)
olvi4*	0.5	1.0	0.623	0.5
cmyn4*	0.5	0.0	0.377	0.5
standard and adapted CIELAB				
LAB*LAB	35.41	-27.24	8.34	0.0
LAB*LABa	35.41	-27.24	8.34	0.0
LAB*TCRa	25.01	28.46	164.45	0.0
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.25	0.457	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.0	0.25	0.457	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.062	(1.0)
cmyn3*	0.75	0.0	0.938	(0.0)
olvi4*	0.5	1.0	0.812	0.25
cmyn4*	0.25	0.0	0.188	0.75
standard and adapted CIELAB				
LAB*LAB	26.71	-13.36	3.94	0.0
LAB*LABa	26.71	-13.36	3.94	0.0
LAB*TCRa	12.5	14.23	164.45	0.0
relative CIELAB lab*				
lab*lab	0.12	0.24	0.067	0.0
lab*tch	0.12	0.24	0.067	0.0
lab*nch	0.75	0.25	0.457	0.0
relative Natural Colour (NC)				
lab*trj	0.12	0.24	0.067	0.0
lab*tce	0.12	0.24	0.067	0.0
lab*nce	0.75	0.25	0.457	0.0

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	0.25	1.0	0.435	(1.0)
cmyn3*	0.75	0.0	0.565	(0.0)
olvi4*	0.25	1.0	0.435	1.0
cmyn4*	0.75	0.0	0.565	0.0
standard and adapted CIELAB				
LAB*LAB	63.45	-41.48	14.04	0.0
LAB*LABa	63.45	-41.48	14.04	0.0
LAB*TCRa	62.5	42.68	164.45	0.0
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.25	0.457	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.0	0.25	0.457	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	1.0	0.0	0.754	0.0
standard and adapted CIELAB				
LAB*LAB	52.8	-54.81	15.26	0.0
LAB*LABa	52.8	-54.81	15.26	0.0
LAB*TCRa	50.0	56.91	164.45	0.0
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.5	0.457	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.0	0.5	0.457	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.75	0.185	(1.0)
cmyn3*	1.0	0.25	0.815	(0.0)
olvi4*	0.25	1.0	0.435	0.75
cmyn4*	0.75	0.0	0.565	0.25
standard and adapted CIELAB				
LAB*LAB	44.11	-41.11	11.45	0.0
LAB*LABa	44.11	-41.11	11.45	0.0
LAB*TCRa	37.51	42.69	164.45	0.0
relative CIELAB lab*				
lab*lab	0.37	-0.721	0.201	0.0
lab*tch	0.37	-0.721	0.201	0.0
lab*nch	0.0	0.37	0.457	0.0
relative Natural Colour (NC)				
lab*trj	0.37	-0.721	0.201	0.0
lab*tce	0.37	-0.721	0.201	0.0
lab*nce	0.0	0.37	0.457	0.0

0,75

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

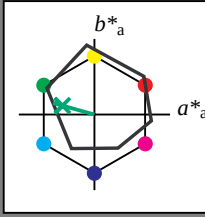
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	4.75
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(0.0)
olvi4*	0.75	1.0	0.812	(1.0)
cmyn4*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.75	-14.48	7.85	0.0
LAB*LABa	84.75	-13.69	3.81	0.0
LAB*TCRa	87.5	14.22	164.46	0.0
relative CIELAB lab*				
lab*lab	0.862	-0.24	0.067	0.0
lab*tch	0.875	0.25	0.457	0.0
lab*nch	0.0	0.25	0.457	0.0
relative Natural Colour (NC)				
lab*trj	0.862	-0.249	0.0	0.0
lab*tce	0.875	0.25	0.5	0.0
lab*nce	0.0	0.25	0.006	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.75	0.562	(1.0)
cmyn3*	0.5	0.25	0.438	(0.0)
olvi4*	0.5	0.75	0.562	(1.0)
cmyn4*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	65.41	-14.11	6.35	0.0
LAB*LABa	65.41	-13.7	3.81	0.0
LAB*TCRa	62.5	14.23	164.45	0.0
relative CIELAB lab*				
lab*lab	0.612	-0.24	0.067	0.0
lab*tch	0.625	0.25	0.457	0.0
lab*nch	0.25	0.25	0.457	0.0
relative Natural Colour (NC)				
lab*trj	0.612	-0.249	0.0	0.0
lab*tce	0.625	0.25	0.5	0.0
lab*nce	0.25	0.25	0.998	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.312	(1.0)
cmyn3*	0.75	0.5	0.688	(0.0)
olvi4*	0.25	0.5	0.312	(1.0)
cmyn4*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	46.06	-13.74	5.24	0.0
LAB*LABa	46.06	-13.7	3.81	0.0
LAB*TCRa	37.5	14.23	164.45	0.0
relative CIELAB lab*				
lab*lab	0.362	-0.24	0.067	0.0
lab*tch	0.375	0.25	0.457	0.0
lab*nch	0.25	0.25	0.457	0.0
relative Natural Colour (NC)				
lab*trj	0.362	-0.249	0.0	0.0
lab*tce	0.375	0.25	0.5	0.0
lab*nce	0.25	0.25	0.998	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.062	(1.0)
cmyn3*	1.0	0.75	0.938	(0.0)
olvi4*	0.0	0.25	0.062	(1.0)
cmyn4*	0.75	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	26.71	-13.36	3.94	0.0
LAB*LABa	26.71	-13.7	3.81	0.0
LAB*TCRa	12.5	14.23	164.43	0.0
relative CIELAB lab*				
lab*lab	0.112	-0.24	0.067	0.0
lab*tch	0.125	0.25	0.457	0.0
lab*nch	0.75	0.25	0.457	0.0
relative Natural Colour (NC)				
lab*trj	0.112	-0.249	0.0	0.0
lab*tce	0.125	0.25	0.5	0.0
lab*nce	0.75	0.25	0.998	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.623	(1.0)
cmyn3*	0.5	0.0	0.377	(0.0)
olvi4*	0.5	1.0	0.623	(1.0)
cmyn4*	0.5	0.0	0.377	(0.0)
standard and adapted CIELAB				
LAB*LAB	74.1	-27.62	7.62	0.0
LAB*LABa	74.1	-27.62	7.62	0.0
LAB*TCRa	75.0	28.46	164.46	0.0
relative CIELAB lab*				
lab*lab	0.587	-0.721	0.201	0.0
lab*tch	0.625	0.75	0.457	0.0
lab*nch	0.0	0.75	0.457	0.0
relative Natural Colour (NC)				
lab*trj	0.587	-0.749	0.0	0.0
lab*tce	0.625	0.75	0.5	0.0
lab*nce	0.0	0.75	0.006	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.373	(1.0)
cmyn3*	0.75	0.25	0.627	(0.0)
olvi4*	0.25	0.5	0.373	(1.0)
cmyn4*	0.5	0.0	0.377	(0.0)
standard and adapted CIELAB				
LAB*LAB	54.76	-27.61	6.63	0.0
LAB*LABa	54.76	-27.61	6.63	0.0
LAB*TCRa	50.0	28.46	164.45	0.0
relative CIELAB lab*				
lab*lab	0.475	-0.481	0.134	0.0
lab*tch	0.475	0.5	0.457	0.0
lab*nch	0.25	0.5	0.457	0.0
relative Natural Colour (NC)				
lab*trj	0.475	-0.489	0.0	0.0
lab*tce	0.475	0.5	0.5	0.0
lab*nce	0.25	0.5	0.998	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.123	(1.0)
cmyn3*	1.0	0.5	0.877	(0.0)
olvi4*	0.0	0.5	0.123	(1.0)
cmyn4*	0.5	0.0	0.377	(0.0)
standard and adapted CIELAB				
LAB*LAB	35.41	-27.24	8.34	0.0
LAB*LABa	35.41	-27.4	7.63	0.0
LAB*TCRa	25.01	28.46	164.44	0.0
relative CIELAB lab*				
lab*lab	0.225	-0.481	0.134	0.0
lab*tch	0.25	0.5	0.457	0.0
lab*nch	0.5	0.5	0.457	0.0
relative Natural Colour (NC)				
lab*trj	0.225	-0.489	0.0	0.0
lab*tce	0.25	0.5	0.5	0.0
lab*nce	0.5	0.5	0.998	0.0

relative CIELAB <i>lab</i> *			
<i>lab</i> * <i>red</i>	23.01	26.40	164.44
<i>lab</i> * <i>lab</i>	0.225	-0.481	0.134
<i>lab</i> * <i>ch</i>	0.25	0.5	0.457
<i>lab</i> * <i>nch</i>	0.5	0.5	0.457
relative Natural Colour (NC)			
<i>lab</i> * <i>lrj</i>	0.225	-0.499	0.0
<i>lab</i> * <i>tce</i>	0.25	0.5	0.5
<i>lab</i> * <i>nce</i>	0.5	0.5	0.99g

$n^* = 0,50$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

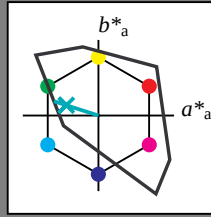
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.826	(1.0)
cmyn3*	0.5	0.0	0.174	(0.0)
olvi4*	0.5	1.0	0.826	(1.0)
cmyn4*	0.5	0.0	0.174	(0.0)

standard and adapted CIELAB

LAB*LAB	90.75	-29.42	9.43
LAB*LABa	90.75	-29.42	9.43
LAB*LABb	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.949	-0.475	0.153
lab*tch	0.75	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.949	-0.459	0.0
lab*tce	0.75	0.5	0.5
lab*nce	0.0	0.5	0.5

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.576	(1.0)
cmyn3*	0.75	0.25	0.424	(0.0)
olvi4*	0.5	1.0	0.826	(1.0)
cmyn4*	0.5	0.0	0.174	(0.0)

standard and adapted CIELAB

LAB*LAB	66.73	-29.42	9.44
LAB*LABa	66.73	-29.42	9.44
LAB*LABb	50.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.699	-0.475	0.153
lab*tch	0.5	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.699	-0.459	0.0
lab*tce	0.5	0.5	0.5
lab*nce	0.0	0.5	0.5

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.326	(1.0)
cmyn3*	1.0	0.5	0.674	(0.0)
olvi4*	0.5	1.0	0.826	(1.0)
cmyn4*	0.5	0.0	0.174	(0.0)

standard and adapted CIELAB

LAB*LAB	42.88	-29.42	9.44
LAB*LABa	42.88	-29.42	9.44
LAB*LABb	25.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.449	-0.475	0.153
lab*tch	0.25	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.449	-0.459	0.0
lab*tce	0.25	0.5	0.5
lab*nce	0.0	0.5	0.5

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.163	(1.0)
cmyn3*	1.0	0.75	0.837	(0.0)
olvi4*	0.75	1.0	0.913	(1.0)
cmyn4*	0.25	0.0	0.087	(0.0)

standard and adapted CIELAB

LAB*LAB	21.45	-14.7	4.72
LAB*LABa	21.45	-14.7	4.72
LAB*LABb	12.5	15.45	162.22

relative CIELAB lab*

lab*lab	0.225	-0.237	0.076
lab*tch	0.125	0.25	0.451
lab*nch	0.75	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.225	-0.249	0.0
lab*tce	0.125	0.25	0.5
lab*nce	0.75	0.25	0.5

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

0,25 0,50 0,75 1,00

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

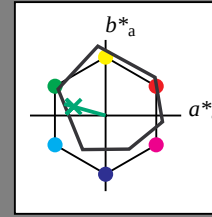
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	-0.88	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*LABb	25.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	74.1	-27.98	10.94
LAB*LABa	74.1	-27.4	7.62
LAB*LABb	75.0	28.45	164.46

relative CIELAB lab*

lab*lab	0.862	-0.24	0.067
lab*tch	0.875	0.25	0.457
lab*nch	0.0	0.25	0.457

relative Natural Colour (NC)

lab*trj	0.862	-0.249	0.0
lab*tce	0.875	0.25	0.5
lab*nce	0.0	0.25	0.5

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.562	(1.0)
cmyn3*	0.5	0.25	0.438	(0.0)
olvi4*	1.0	1.0	0.812	(1.0)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

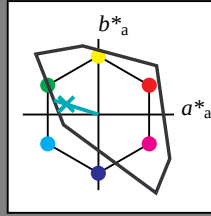
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	1.0	0.913	(1.0)
cmyn3*	0.25	0.0	0.087	(0.0)
olvi4*	0.75	1.0	0.913	(1.0)
cmyn4*	0.25	0.0	0.087	(0.0)

standard and adapted CIELAB

LAB*LAB	92.99	-14.7	4.71
LAB*LABa	92.99	-14.7	4.71
LAB*LABb	87.5	15.44	162.24

relative CIELAB lab*

lab*lab	0.975	-0.237	0.076
lab*tch	0.975	-0.237	0.076
lab*nch	0.0	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.975	-0.237	0.076
lab*tce	0.0	0.25	0.451
lab*nce	0.0	0.25	0.451

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.663	(1.0)
cmyn3*	0.5	0.25	0.337	(0.0)
olvi4*	0.5	0.75	0.663	(1.0)
cmyn4*	0.5	0.25	0.337	(0.0)

standard and adapted CIELAB

LAB*LAB	69.15	-14.71	4.72
LAB*LABa	69.15	-14.71	4.72
LAB*LABb	62.5	15.45	162.22

relative CIELAB lab*

lab*lab	0.725	-0.237	0.076
lab*tch	0.725	-0.237	0.076
lab*nch	0.25	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.725	-0.237	0.076
lab*tce	0.25	0.25	0.451
lab*nce	0.25	0.25	0.451

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.413	(1.0)
cmyn3*	0.75	0.5	0.587	(0.0)
olvi4*	0.25	1.0	0.913	(0.5)
cmyn4*	0.25	0.0	0.087	(0.5)

standard and adapted CIELAB

LAB*LAB	45.3	-14.71	4.72
LAB*LABa	45.3	-14.71	4.72
LAB*LABb	37.5	15.45	162.22

relative CIELAB lab*

lab*lab	0.475	-0.237	0.076
lab*tch	0.475	-0.237	0.076
lab*nch	0.25	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.475	-0.237	0.076
lab*tce	0.25	0.25	0.451
lab*nce	0.25	0.25	0.451

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.163	(1.0)
cmyn3*	1.0	0.75	0.837	(0.0)
olvi4*	0.75	1.0	0.913	(0.25)
cmyn4*	0.25	0.0	0.087	(0.25)

standard and adapted CIELAB

LAB*LAB	21.45	-14.7	4.72
LAB*LABa	21.45	-14.7	4.72
LAB*LABb	12.5	15.45	162.21

relative CIELAB lab*

lab*lab	0.225	-0.237	0.076
lab*tch	0.225	-0.237	0.076
lab*nch	0.25	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.225	-0.237	0.076
lab*tce	0.25	0.25	0.451
lab*nce	0.25	0.25	0.451

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0.75

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.826	(1.0)
cmyn3*	0.5	0.0	0.174	(0.0)
olvi4*	0.5	1.0	0.826	(1.0)
cmyn4*	0.5	0.0	0.174	(0.0)

standard and adapted CIELAB

LAB*LAB	90.75	-29.42	9.43
LAB*LABa	90.75	-29.42	9.43
LAB*LABb	75.0	16.9	162.23

relative CIELAB lab*

lab*lab	0.949	-0.475	0.153
lab*tch	0.949	-0.475	0.153
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.949	-0.475	0.153
lab*tce	0.0	0.5	0.451
lab*nce	0.0	0.5	0.451

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.576	(1.0)
cmyn3*	0.75	0.25	0.424	(0.0)
olvi4*	0.25	1.0	0.653	(0.5)
cmyn4*	0.25	0.0	0.174	(0.5)

standard and adapted CIELAB

LAB*LAB	66.73	-29.42	9.44
LAB*LABa	66.73	-29.42	9.44
LAB*LABb	50.0	30.91	162.22

relative CIELAB lab*

lab*lab	0.699	-0.475	0.153
lab*tch	0.699	-0.475	0.153
lab*nch	0.25	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.699	-0.475	0.153
lab*tce	0.25	0.5	0.451
lab*nce	0.25	0.5	0.451

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.326	(1.0)
cmyn3*	1.0	0.5	0.674	(0.0)
olvi4*	0.5	1.0	0.826	(0.5)
cmyn4*	0.5	0.0	0.174	(0.5)

standard and adapted CIELAB

LAB*LAB	42.88	-29.42	9.44
LAB*LABa	42.88	-29.42	9.44
LAB*LABb	25.01	30.91	162.22

relative CIELAB lab*

lab*lab	0.449	-0.475	0.153
lab*tch	0.449	-0.475	0.153
lab*nch	0.25	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.449	-0.475	0.153
lab*tce	0.25	0.5	0.451
lab*nce	0.25	0.5	0.451

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.163	(1.0)
cmyn3*	1.0	0.75	0.837	(0.0)
olvi4*	0.75	1.0	0.913	(0.25)
cmyn4*	0.25	0.0	0.087	(0.25)

standard and adapted CIELAB

LAB*LAB	21.45	-14.7	4.72
LAB*LABa	21.45	-14.7	4.72
LAB*LABb	12.5	15.45	162.21

relative CIELAB lab*

lab*lab	0.225	-0.237	0.076
lab*tch	0.225	-0.237	0.076
lab*nch	0.25	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.225	-0.237	0.076
lab*tce	0.25	0.25	0.451
lab*nce	0.25	0.25	0.451

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0.50$

$n^* = 0.25$

$n^* = 0.00$

0.25

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

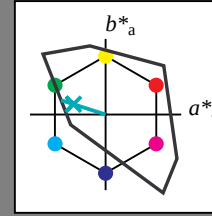
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TChO	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*labh	1.0	0.0	-	
lab*labch	0.0	0.0	1.0	
relative Natural Colour (NC)				
lab*lrj	1.0	0.0	0.0	
lab*pic	1.0	0.0	-	
lab*nCE	0.0	0.0	-	

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

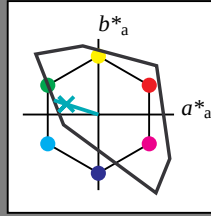
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.826	(1.0)
cmyn3*	0.5	0.0	0.174	(0.0)
olvi4*	0.5	1.0	0.827	(1.0)
cmyn4*	0.5	0.0	0.173	(0.0)

standard and adapted CIELAB

LAB*LAB	90.75	-29.42	9.43
LAB*LABa	90.57	-29.42	9.43
LAB*LABb	75.0	0.9	162.23

relative CIELAB lab*

lab*lab	0.949	-0.475	0.153
lab*tch	0.75	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.949	-0.459	0.0
lab*tce	0.75	0.5	0.5
lab*nce	0.0	0.5	0.5

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.576	(1.0)
cmyn3*	0.75	0.25	0.424	(0.0)
olvi4*	0.5	1.0	0.826	(1.0)
cmyn4*	0.5	0.0	0.174	(0.0)

standard and adapted CIELAB

LAB*LAB	66.73	-29.42	9.44
LAB*LABa	66.73	-29.42	9.44
LAB*LABb	50.0	30.91	162.22

relative CIELAB lab*

lab*lab	0.699	-0.475	0.153
lab*tch	0.5	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.699	-0.459	0.0
lab*tce	0.5	0.5	0.5
lab*nce	0.0	0.5	0.5

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.326	(1.0)
cmyn3*	1.0	0.5	0.674	(0.0)
olvi4*	0.5	1.0	0.826	(1.0)
cmyn4*	0.5	0.0	0.174	(0.0)

standard and adapted CIELAB

LAB*LAB	42.88	-29.42	9.44
LAB*LABa	42.88	-29.42	9.44
LAB*LABb	25.01	30.91	162.22

relative CIELAB lab*

lab*lab	0.449	-0.475	0.153
lab*tch	0.25	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.449	-0.459	0.0
lab*tce	0.25	0.5	0.5
lab*nce	0.0	0.5	0.5

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.163	(1.0)
cmyn3*	1.0	0.75	0.837	(0.0)
olvi4*	0.75	1.0	0.913	(1.0)
cmyn4*	0.25	0.0	0.087	(0.0)

standard and adapted CIELAB

LAB*LAB	21.45	-14.7	4.72
LAB*LABa	21.45	-14.7	4.72
LAB*LABb	12.5	15.45	162.21

relative CIELAB lab*

lab*lab	0.225	-0.237	0.076
lab*tch	0.125	0.25	0.451
lab*nch	0.75	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.225	-0.249	0.0
lab*tce	0.125	0.25	0.5
lab*nce	0.75	0.25	0.5

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 165/360 = 0.458$

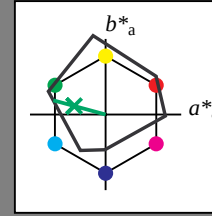
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	-0.11	2.58
LAB*LABa	96.31	-0.11	2.58
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	-0.44	2.45
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	0.0	0.0
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	61.8	162.23

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	1.09	2.19
LAB*LABa	36.5	1.09	2.19
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	-1.41	2.06
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

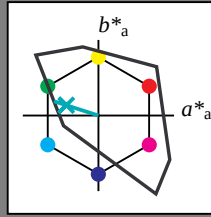
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)									
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	-	-	-	-	-	-	-
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-	-	-	-	-	-
lab*nce	0.0	0.0	-	-	-	-	-	-	-

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	71.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	71.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	-	-	-	-	-	-	-
relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-	-	-	-	-	-
lab*nce	0.25	0.0	-	-	-	-	-	-	-

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	47.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	47.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	-	-	-	-	-	-	-
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-	-	-	-	-	-
lab*nce	0.5	0.0	-	-	-	-	-	-	-

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	23.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	23.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	-	-	-	-	-	-	-
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-	-	-	-	-	-
lab*nce	0.25	0.0	-	-	-	-	-	-	-

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	-	-	-	-	-	-	-
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-	-	-	-	-	-
lab*nce	0.0	0.0	-	-	-	-	-	-	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)									
olvi3*	0.5	1.0	0.813	1.0	0.813	1.0	0.813	1.0	0.813
cmyn3*	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	0.913	1.0	0.913	1.0	0.913	1.0	0.913
cmyn4*	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	90.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	90.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	92.99	-14.7	4.71	15.44	162.24	-	-	-	-
relative CIELAB lab*									
lab*lab	0.975	-0.237	0.076	0.076	0.076	0.076	0.076	0.076	0.076
lab*tch	0.975	-0.237	0.076	0.076	0.076	0.076	0.076	0.076	0.076
lab*nch	0.0	0.5	0.451	0.451	0.451	0.451	0.451	0.451	0.451
relative Natural Colour (NC)									
lab*trj	0.975	-0.249	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.975	-0.249	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.25	0.006	0.006	0.006	0.006	0.006	0.006	0.006

relative Inform. Technology (IT)									
olvi3*	0.5	0.75	0.663	1.0	0.663	1.0	0.663	1.0	0.663
cmyn3*	0.5	0.25	0.337	0.0	0.337	0.0	0.337	0.0	0.337
olvi4*	0.75	1.0	0.913	0.5	0.913	0.5	0.913	0.5	0.913
cmyn4*	0.25	0.0	0.087	0.25	0.087	0.25	0.087	0.25	0.087
standard and adapted CIELAB									
LAB*LAB	69.15	-14.71	4.72	15.45	162.22	-	-	-	-
LAB*LABa	69.15	-14.71	4.72	15.45	162.22	-	-	-	-
LAB*TCRa	62.5	-14.93	4.78	16.22	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.725	-0.237	0.076	0.076	0.076	0.076	0.076	0.076	0.076
lab*tch	0.725	-0.237	0.076	0.076	0.076	0.076	0.076	0.076	0.076
lab*nch	0.25	0.25	0.451	0.451	0.451	0.451	0.451	0.451	0.451
relative Natural Colour (NC)									
lab*trj	0.725	-0.249	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.725	-0.249	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.25	0.451	0.451	0.451	0.451	0.451	0.451	0.451

relative Inform. Technology (IT)				
----------------------------------	--	--	--	--

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

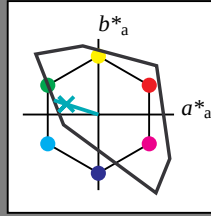
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



%Gamut
 $u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.86	(1.0)
cmyn3*	0.5	0.0	0.174	(0.0)
olvi4*	0.5	1.0	0.86	(1.0)
cmyn4*	0.5	0.0	0.173	(0.0)

standard and adapted CIELAB

LAB*LAB	90.75	-29.42	9.43
LAB*LABa	90.57	-29.42	9.43
LAB*LABb	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.949	-0.475	0.153
lab*tch	0.75	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.949	-0.459	0.0
lab*tce	0.75	0.5	0.5
lab*nce	0.0	0.5	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.576	(1.0)
cmyn3*	0.75	0.25	0.424	(0.0)
olvi4*	0.5	1.0	0.86	(1.0)
cmyn4*	0.5	0.0	0.174	(0.0)

standard and adapted CIELAB

LAB*LAB	66.73	-29.42	9.44
LAB*LABa	66.73	-29.42	9.44
LAB*LABb	50.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.699	-0.475	0.153
lab*tch	0.5	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.699	-0.459	0.0
lab*tce	0.5	0.5	0.5
lab*nce	0.0	0.5	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.326	(1.0)
cmyn3*	1.0	0.5	0.674	(0.0)
olvi4*	0.5	1.0	0.86	(1.0)
cmyn4*	0.5	0.0	0.174	(0.0)

standard and adapted CIELAB

LAB*LAB	42.88	-29.42	9.44
LAB*LABa	42.88	-29.42	9.44
LAB*LABb	25.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.449	-0.475	0.153
lab*tch	0.25	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.449	-0.459	0.0
lab*tce	0.25	0.5	0.5
lab*nce	0.0	0.5	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.163	(1.0)
cmyn3*	1.0	0.25	0.737	(0.0)
olvi4*	0.5	1.0	0.913	(1.0)
cmyn4*	0.25	0.0	0.087	(0.0)

standard and adapted CIELAB

LAB*LAB	21.45	-14.7	4.72
LAB*LABa	21.45	-14.7	4.72
LAB*LABb	12.5	15.45	162.22

relative CIELAB lab*

lab*lab	0.225	-0.237	0.076
lab*tch	0.125	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.225	-0.249	0.0
lab*tce	0.125	0.25	0.5
lab*nce	0.0	0.25	0.0

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* =$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

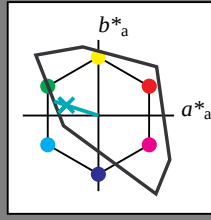
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.86	(1.0)
cmyn3*	0.5	0.0	0.174	(0.0)
olvi4*	0.5	1.0	0.86	(1.0)
cmyn4*	0.5	0.0	0.173	(0.0)

standard and adapted CIELAB

LAB*LAB	90.75	-29.42	9.43
LAB*LABa	90.57	-29.42	9.43
LAB*LABb	75.0	0.0	162.23

relative CIELAB lab*

lab*lab	0.949	-0.475	0.153
lab*tch	0.75	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.949	-0.459	0.0
lab*tce	0.75	0.5	0.5
lab*nce	0.0	0.5	0.5

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.663	(1.0)
cmyn3*	0.5	0.25	0.337	(0.0)
olvi4*	0.5	1.0	0.913	(1.0)
cmyn4*	0.25	0.0	0.087	(0.0)

standard and adapted CIELAB

LAB*LAB	69.15	-14.71	4.72
LAB*LABa	69.15	-14.71	4.72
LAB*LABb	62.5	15.45	162.22

relative CIELAB lab*

lab*lab	0.725	-0.237	0.076
lab*tch	0.625	0.25	0.451
lab*nch	0.25	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.725	-0.249	0.0
lab*tce	0.625	0.25	0.5
lab*nce	0.25	0.25	0.998

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.413	(1.0)
cmyn3*	0.75	0.5	0.587	(0.0)
olvi4*	0.75	1.0	0.913	(1.0)
cmyn4*	0.25	0.0	0.087	(0.0)

standard and adapted CIELAB

LAB*LAB	45.3	-14.71	4.72
LAB*LABa	45.3	-14.71	4.72
LAB*LABb	37.5	15.45	162.22

relative CIELAB lab*

lab*lab	0.475	-0.237	0.076
lab*tch	0.375	0.25	0.451
lab*nch	0.25	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.475	-0.249	0.0
lab*tce	0.375	0.25	0.5
lab*nce	0.25	0.25	0.998

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.163	(1.0)
cmyn3*	1.0	0.75	0.837	(0.0)
olvi4*	1.0	1.0	0.913	(1.0)
cmyn4*	0.25	0.0	0.087	(0.0)

standard and adapted CIELAB

LAB*LAB	21.45	-14.71	4.72
LAB*LABa	21.45	-14.71	4.72
LAB*LABb	12.5	15.45	162.21

relative CIELAB lab*

lab*lab	0.225	-0.237	0.076
lab*tch	0.125	0.25	0.451
lab*nch	0.25	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.225	-0.249	0.0
lab*tce	0.125	0.25	0.5
lab*nce	0.25	0.25	0.998

$n^* = 0,50$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

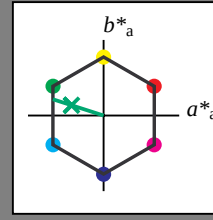
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	35.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	18.03	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25</

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

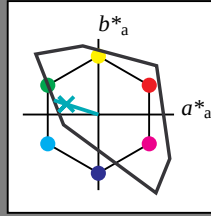
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.86	(1.0)
cmyn3*	0.5	0.0	0.174	(0.0)
olvi4*	0.5	1.0	0.86	(1.0)
cmyn4*	0.5	0.0	0.173	(0.0)

standard and adapted CIELAB

LAB*LAB	90.75	-29.42	9.43
LAB*LABa	90.57	-29.42	9.43
LAB*LABb	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.949	-0.475	0.153
lab*tch	0.75	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.949	-0.459	0.0
lab*tce	0.75	0.5	0.5
lab*nce	0.0	0.5	0.5

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.663	(1.0)
cmyn3*	0.5	0.25	0.337	(0.0)
olvi4*	0.5	1.0	0.86	(1.0)
cmyn4*	0.25	0.0	0.087	(0.0)

standard and adapted CIELAB

LAB*LAB	69.15	-14.71	4.72
LAB*LABa	69.15	-14.71	4.72
LAB*LABb	62.5	15.45	162.22

relative CIELAB lab*

lab*lab	0.725	-0.237	0.076
lab*tch	0.625	0.25	0.451
lab*nch	0.25	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.725	-0.249	0.0
lab*tce	0.625	0.25	0.5
lab*nce	0.25	0.25	0.998

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.413	(1.0)
cmyn3*	0.75	0.5	0.587	(0.0)
olvi4*	0.75	1.0	0.913	(1.0)
cmyn4*	0.25	0.0	0.087	(0.0)

standard and adapted CIELAB

LAB*LAB	45.3	-14.71	4.72
LAB*LABa	45.3	-14.71	4.72
LAB*LABb	37.5	15.45	162.22

relative CIELAB lab*

lab*lab	0.475	-0.237	0.076
lab*tch	0.375	0.25	0.451
lab*nch	0.25	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.475	-0.249	0.0
lab*tce	0.375	0.25	0.5
lab*nce	0.25	0.25	0.998

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.163	(1.0)
cmyn3*	1.0	0.75	0.833	(0.0)
olvi4*	1.0	1.0	0.913	(1.0)
cmyn4*	0.0	0.0	0.087	(0.0)

standard and adapted CIELAB

LAB*LAB	21.45	-14.71	4.72
LAB*LABa	21.45	-14.71	4.72
LAB*LABb	12.5	15.45	162.22

relative CIELAB lab*

lab*lab	0.225	-0.237	0.076
lab*tch	0.125	0.25	0.451
lab*nch	0.75	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.225	-0.249	0.0
lab*tce	0.125	0.25	0.5
lab*nce	0.75	0.25	0.998

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

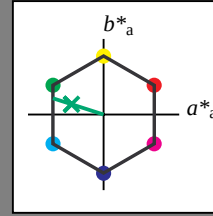
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	35.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.611	(1.0)
cmyn3*	0.5	0.0	0.389	(0.0)
olvi4*	0.5	1.0	0.611	(1.0)
cmyn4*	0.5	0.0	0.389	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-33.5	10.74
LAB*LABa	76.06	-33.5	10.74
LAB*LABb	75.0	35.19	162.23

relative CIELAB lab*

lab*lab	0.75	-0.475	0.153
lab*tch	0.75	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.75	-0.459	0.0
lab*tce	0.75	0.5	0.5
lab*nce	0.0	0.5	0.5

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.361	(1.0)
cmyn3*	0.75	0.25	0.639	(0.0)
olvi4*	0.5	1.0	0.611	0.75
cmyn4*	0.5	0.0	0.389	0.25

standard and adapted CIELAB

LAB*LAB	56.71	-33.5	10.75
LAB*LABa	56.71	-33.5	10.75
LAB*TChO	50.0	35.2	162.22

relative CIELAB lab*

lab*lab	0.5	-0.475	0.153
lab*ch	0.5	0.5	0.451
lab*ncb	0.25	0.5	0.451

relative Natural Colour (NC)

lab*nlr	0.5	-0.499	0.0
lab*ncb	0.5	0.5	0.5
lab*ncE	0.25	0.5	0.100g

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

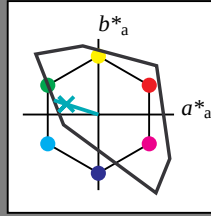
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



%Gamut
 $u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.83	(1.0)
cmyn3*	0.5	0.0	0.17	(0.0)
olvi4*	0.5	1.0	0.83	(1.0)
cmyn4*	0.5	0.0	0.17	(0.0)

standard and adapted CIELAB

LAB*LAB	90.75	-29.42	9.43
LAB*LABa	90.75	-29.42	9.43
LAB*LABb	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.949	-0.475	0.153
lab*tch	0.75	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.949	-0.459	0.0
lab*tce	0.75	0.5	0.5
lab*nce	0.0	0.5	0.5

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.576	(1.0)
cmyn3*	0.75	0.25	0.424	(0.0)
olvi4*	0.5	1.0	0.836	(1.0)
cmyn4*	0.5	0.0	0.174	(0.0)

standard and adapted CIELAB

LAB*LAB	66.73	-29.42	9.44
LAB*LABa	66.73	-29.42	9.44
LAB*LABb	50.0	30.91	162.22

relative CIELAB lab*

lab*lab	0.699	-0.475	0.153
lab*tch	0.5	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.699	-0.459	0.0
lab*tce	0.5	0.5	0.5
lab*nce	0.0	0.5	0.5

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.326	(1.0)
cmyn3*	0.5	0.0	0.674	(0.0)
olvi4*	0.5	1.0	0.826	(0.5)
cmyn4*	0.5	0.0	0.174	(0.5)

standard and adapted CIELAB

LAB*LAB	42.88	-29.42	9.44
LAB*LABa	42.88	-29.42	9.44
LAB*LABb	25.01	30.91	162.22

relative CIELAB lab*

lab*lab	0.449	-0.475	0.153
lab*tch	0.25	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.449	-0.459	0.0
lab*tce	0.25	0.5	0.5
lab*nce	0.0	0.5	0.5

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.163	(1.0)
cmyn3*	0.75	0.0	0.337	(0.0)
olvi4*	0.75	1.0	0.913	(0.5)
cmyn4*	0.25	0.0	0.087	(0.5)

standard and adapted CIELAB

LAB*LAB	21.45	-14.7	4.72
LAB*LABa	21.45	-14.7	4.72
LAB*LABb	12.5	15.45	162.22

relative CIELAB lab*

lab*lab	0.225	-0.237	0.076
lab*tch	0.125	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.225	-0.249	0.0
lab*tce	0.125	0.25	0.5
lab*nce	0.0	0.25	0.5

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

1,00

0,75

$n^* = 0,00$

0,25

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

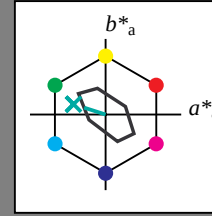
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness t^*



%Gamut
 $u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*LABb	50.0	61.8	162.23

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	61.13	0.0	0.0
LAB*LABa	61.13	0.0	0.0
LAB*LABb	25.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	92.79	-14.2	4.55
LAB*LABa	92.79	-14.2	4.55
LAB*LABb	75.0	14.92	162.23

relative CIELAB lab*

lab*lab	0.898	-0.475	0.153
lab*tch	0.75	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.898	-0.459	0.0
lab*tce	0.75	0.5	0.5
lab*nce	0.0	0.5	0.5

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.517	(1.0)
cmyn3*	0.75	0.25	0.483	(0.0)
olvi4*	0.5	1.0	0.767	0.75
cmyn4*	0.5	0.0	0.233	0.25

standard and adapted CIELAB

LAB*LAB	86.37	-14.2	4.56
LAB*LABa	86.37	-14.2	4.56
LAB*LABb	50.0	14.92	162.22

relative CIELAB lab*

lab*lab	0.488	-0.475	0.153
lab*ch	0.25	0.5	0.451
lab*tc	0.5	0.5	0.451

relative Natural Colour (NC)

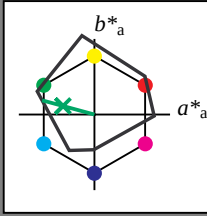
lab*lrj	0.648	-0.499	0.0
lab*tc	0.5	0.5	0.5
lab*ncE	0.25	0.5	.99g

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$
 lab^*tch and lab^*nch

D65: hue G
 LCH*Ma: 49 72 165
 olv*Ma: 0.0 1.0 0.15

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.576	(1.0)
cmyn3*	0.5	0.0	0.424	(0.0)
olvi4*	0.5	1.0	0.576	0.5
cmyn4*	0.5	0.0	0.424	0.0

standard and adapted CIELAB

LAB*LAB	72.65	35.1	11.94
LAB*LABa	72.65	-34.6	9.4
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.852	-0.24	0.066
lab*tch	0.875	0.25	0.458
lab*nch	0.0	0.5	0.458

relative Natural Colour (NC)

lab*trj	0.852	-0.249	0.0
lab*tce	0.25	0.5	0.5
lab*nce	0.0	0.25	0.006

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.538	(1.0)
cmyn3*	0.5	0.25	0.462	(0.0)
olvi4*	0.75	1.0	0.788	0.5
cmyn4*	0.25	0.0	0.212	0.25

standard and adapted CIELAB

LAB*LAB	64.55	-17.3	7.08
LAB*LABa	64.55	-17.3	4.7
LAB*LABb	62.5	0.01	-

relative CIELAB lab*

lab*lab	0.602	-0.24	0.066
lab*tch	0.625	0.25	0.458
lab*nch	0.25	0.25	0.458

relative Natural Colour (NC)

lab*trj	0.602	-0.249	0.0
lab*tce	0.625	0.25	0.5
lab*nce	0.25	0.25	0.998

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.288	(1.0)
cmyn3*	0.75	0.5	0.712	(0.0)
olvi4*	0.75	1.0	0.788	0.5
cmyn4*	0.25	0.0	0.212	0.5

standard and adapted CIELAB

LAB*LAB	44.61	-18.26	6.95
LAB*LABa	44.61	-17.3	4.7
LAB*LABb	37.5	0.01	-

relative CIELAB lab*

lab*lab	0.352	-0.24	0.066
lab*tch	0.375	0.25	0.458
lab*nch	0.5	0.25	0.458

relative Natural Colour (NC)

lab*trj	0.352	-0.249	0.0
lab*tce	0.375	0.25	0.5
lab*nce	0.5	0.25	0.998

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.38	(1.0)
cmyn3*	1.0	0.75	0.382	(0.0)
olvi4*	0.75	1.0	0.788	0.5
cmyn4*	0.25	0.0	0.212	0.75

standard and adapted CIELAB

LAB*LAB	24.67	-18.58	6.83
LAB*LABa	24.67	-17.29	4.71
LAB*LABb	12.5	0.01	-

relative CIELAB lab*

lab*lab	0.102	-0.24	0.066
lab*tch	0.125	0.25	0.458
lab*nch	0.75	0.25	0.458

relative Natural Colour (NC)

lab*trj	0.102	-0.249	0.0
lab*tce	0.125	0.25	0.5
lab*nce	0.75	0.25	0.998

$n^* = 0,50$

blackness n^*

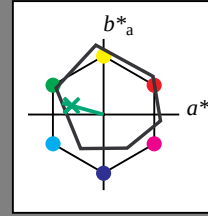
chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$
 lab^*tch and lab^*nch

D65: hue G
 LCH*Ma: 53 57 164
 olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	-0.88	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.71	-0.74	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	37.36	-1.03	0.83
LAB*LABa	37.36	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	18.02	-0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.25	0.0	0.188	0.0

standard and adapted CIELAB

LAB*LAB	84.75	-14.48	7.85
LAB*LABa	84.75	-13.69	3.81
LAB*LABb	87.5	0.01	-

relative CIELAB lab*

lab*lab	0.862	-0.24	0.067
lab*tch	0.875	0.25	0.457
lab*nch	0.0	0.25	0.457

relative Natural Colour (NC)

lab*trj	0.862	-0.249	0.0
lab*tce	0.875	0.25	0.5
lab*nce	0.0	0.25	0.006

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.562	(1.0)
cmyn3*	0.5	0.25	0.438	(0.0)
olvi4*	0.75	1.0	0.812	0.75
cmyn4*	0.25	0.0	0.188	0.25

standard and adapted CIELAB

LAB*LAB	65.41	-14.11	6.55
LAB*LABa	65.41	-13.7	3.81
LAB*LABb	62.5	0.01	-

relative CIELAB lab*

lab*lab	0.612	-0.24	0.067
lab*tch	0.625	0.25	0.457
lab*nch	0.25	0.25	0.457

relative Natural Colour (NC)

lab*trj	0.612	-0.249	0.0
lab*tce	0.625	0.25	0.5

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

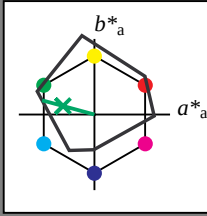
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	96.31	11.1	2.58	
LAB*LABa	96.31	0.0	0.0	
LAB*TCRa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	
LAB*LABa	76.38	0.0	0.0	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	
LAB*LABa	56.44	0.0	0.0	
LAB*TCRa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	36.5	-1.09	2.19	
LAB*LABa	36.5	0.0	0.0	
LAB*TCRa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.75	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	
LAB*LABa	16.57	0.0	0.0	
LAB*TCRa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.576	(1.0)
cmyn3*	0.5	0.0	0.424	(0.0)
olvi4*	0.5	1.0	0.576	1.0
cmyn4*	0.5	0.0	0.424	0.0
standard and adapted CIELAB				
LAB*LAB	72.0	0.0	35.1	11.84
LAB*LABa	72.05	-34.6	9.4	
LAB*TCRa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.852	-0.24	0.066	
lab*tch	0.875	0.25	0.458	
lab*nch	0.0	0.5	0.458	
relative Natural Colour (NC)				
lab*trj	0.852	-0.249	0.0	
lab*tce	0.875	0.25	0.5	
lab*nce	0.0	0.25	0.006	

relative Inform. Technology (IT)				
olvi3*	0.5	0.75	0.538	(1.0)
cmyn3*	0.5	0.25	0.462	(0.0)
olvi4*	0.75	1.0	0.788	1.0
cmyn4*	0.25	0.0	0.212	0.25
standard and adapted CIELAB				
LAB*LAB	64.55	-17.3	4.7	
LAB*LABa	64.55	-17.3	4.7	
LAB*TCRa	62.5	17.93	164.8	
relative CIELAB lab*				
lab*lab	0.602	-0.24	0.066	
lab*tch	0.625	0.25	0.458	
lab*nch	0.25	0.25	0.458	
relative Natural Colour (NC)				
lab*trj	0.602	-0.249	0.0	
lab*tce	0.625	0.25	0.5	
lab*nce	0.25	0.25	0.998	

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.288	(1.0)
cmyn3*	0.75	0.5	0.712	(0.0)
olvi4*	0.75	1.0	0.788	1.0
cmyn4*	0.25	0.0	0.212	0.5
standard and adapted CIELAB				
LAB*LAB	44.61	-18.26	6.95	
LAB*LABa	44.61	-17.3	4.7	
LAB*TCRa	37.5	17.93	164.8	
relative CIELAB lab*				
lab*lab	0.352	-0.24	0.066	
lab*tch	0.375	0.25	0.458	
lab*nch	0.5	0.25	0.458	
relative Natural Colour (NC)				
lab*trj	0.352	-0.249	0.0	
lab*tce	0.375	0.25	0.5	
lab*nce	0.5	0.25	0.998	

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.038	(1.0)
cmyn3*	1.0	0.75	0.862	(0.0)
olvi4*	0.75	1.0	0.788	0.5
cmyn4*	0.25	0.0	0.212	0.75
standard and adapted CIELAB				
LAB*LAB	24.67	-18.58	6.83	
LAB*LABa	24.67	-17.29	4.71	
LAB*TCRa	12.5	17.93	164.78	
relative CIELAB lab*				
lab*lab	0.102	-0.24	0.066	
lab*tch	0.125	0.25	0.458	
lab*nch	0.75	0.25	0.458	
relative Natural Colour (NC)				
lab*trj	0.102	-0.249	0.0	
lab*tce	0.125	0.25	0.5	
lab*nce	0.75	0.25	0.998	

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	0.25	1.0	0.152	(1.0)
cmyn3*	0.75	0.0	0.364	(0.0)
olvi4*	0.25	1.0	0.364	1.0
cmyn4*	0.75	0.0	0.364	0.0
standard and adapted CIELAB				
LAB*LAB	60.83	-51.6	10.46	
LAB*LABa	60.83	-51.9	14.1	
LAB*TCRa	62.5	53.79	164.8	
relative CIELAB lab*				
lab*lab	0.555	-0.723	0.197	
lab*tch	0.625	0.75	0.458	
lab*nch	0.0	0.75	0.458	
relative Natural Colour (NC)				
lab*trj	0.555	-0.749	0.0	
lab*tce	0.625	0.75	0.5	
lab*nce	0.0	0.75	0.006	

relative Inform. Technology (IT)				
olvi3*	0.0	1.0	0.152	(1.0)
cmyn3*	1.0	0.0	0.848	(0.0)
olvi4*	0.0	1.0	0.152	1.0
cmyn4*	1.0	0.0	0.848	0.0
standard and adapted CIELAB				
LAB*LAB	49.0	-70.1	21.09	
LAB*LABa	49.0	-69.2	18.81	
LAB*TCRa	50.0	71.72	164.8	
relative CIELAB lab*				
lab*lab	0.407	-0.964	0.262	
lab*tch	0.5	1.0	0.458	
lab*nch	0.0	1.0	0.458	
relative Natural Colour (NC)				
lab*trj	0.407	-0.999	0.0	
lab*tce	0.5	1.0	0.5	
lab*nce	0.0	1.0	0.998	

relative Inform. Technology (IT)				
olvi3*	0.0	0.75	0.114	(1.0)
cmyn3*	1.0	0.25	0.886	(0.0)
olvi4*	0.75	1.0	0.364	1.0
cmyn4*	0.75	0.0	0.364	0.75
standard and adapted CIELAB				
LAB*LAB	40.9	-52.93	10.34	
LAB*LABa	40.9	-51.91	14.11	
LAB*TCRa	37.51	53.8	164.79	
relative CIELAB lab*				
lab*lab	0.305	-0.723	0.197	
lab*tch	0.375	0.75	0.458	
lab*nch	0.5	0.75	0.458	
relative Natural Colour (NC)				
lab*trj	0.305	-0.749	0.0	
lab*tce	0.375	0.75	0.5	
lab*nce	0.5	0.75	0.998	

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.076	(1.0)
cmyn3*	1.0	0.5	0.924	(0.0)
olvi4*	0.5	1.0	0.576	1.0
cmyn4*	0.5	0.0	0.424	0.5
standard and adapted CIELAB				

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

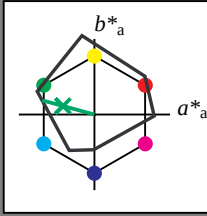
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.31	11.25	5.68
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.576	(1.0)
cmyn3*	0.5	0.0	0.424	(0.0)
olvi4*	0.5	1.0	0.576	1.0
cmyn4*	0.5	0.0	0.424	0.0

standard and adapted CIELAB

LAB*LAB	72.12	0.51	11.84
LAB*LABa	72.65	-34.6	9.4
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.852	-0.24	0.066
lab*tch	0.875	0.25	0.458
lab*nch	0.0	0.25	0.458

relative Natural Colour (NC)

lab*trj	0.852	-0.249	0.0
lab*tce	0.25	0.25	0.5
lab*nce	0.0	0.25	0.006

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.538	(1.0)
cmyn3*	0.5	0.25	0.462	(0.0)
olvi4*	0.75	1.0	0.788	1.0
cmyn4*	0.25	0.0	0.212	0.25

standard and adapted CIELAB

LAB*LAB	64.55	-17.3	4.7
LAB*LABa	64.55	-17.3	4.7
LAB*LABb	62.5	17.93	164.8

relative CIELAB lab*

lab*lab	0.602	-0.24	0.066
lab*tch	0.625	0.25	0.458
lab*nch	0.25	0.25	0.458

relative Natural Colour (NC)

lab*trj	0.602	-0.249	0.0
lab*tce	0.625	0.25	0.5
lab*nce	0.25	0.25	0.998

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.326	(1.0)
cmyn3*	0.75	0.25	0.674	(0.0)
olvi4*	0.5	1.0	0.576	0.75
cmyn4*	0.5	0.0	0.424	0.25

standard and adapted CIELAB

LAB*LAB	52.72	-35.43	11.71
LAB*LABa	52.72	-34.6	9.4
LAB*LABb	50.0	35.87	164.8

relative CIELAB lab*

lab*lab	0.453	-0.482	0.131
lab*tch	0.453	0.5	0.458
lab*nch	0.25	0.5	0.458

relative Natural Colour (NC)

lab*trj	0.453	-0.489	0.0
lab*tce	0.5	0.5	0.5
lab*nce	0.25	0.5	0.998

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.076	(1.0)
cmyn3*	1.0	0.5	0.924	(0.0)
olvi4*	0.5	1.0	0.576	0.5
cmyn4*	0.5	0.0	0.424	0.5

standard and adapted CIELAB

LAB*LAB	32.79	-35.75	11.58
LAB*LABa	32.79	-34.6	9.4
LAB*LABb	25.01	35.87	164.79

relative CIELAB lab*

lab*lab	0.305	-0.723	0.197
lab*tch	0.375	0.75	0.458
lab*nch	0.25	0.75	0.458

relative Natural Colour (NC)

lab*trj	0.305	-0.749	0.0
lab*tce	0.375	0.75	0.5
lab*nce	0.25	0.75	0.998

$n^* = 0,50$

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

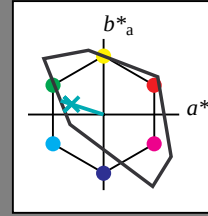
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(1.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	–

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tcH	0.0	0.0	–
lab*tcM	1.0	0.0	–

relative Natural Colour (NC)

lab*lrj	0.0	0.0	–
lab*tcC	0.0	0.0	–
lab*ncE	1.0	0.0	–

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

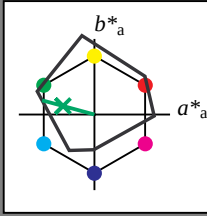
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	96.31	11.25	5.68
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.576	(1.0)
cmyn3*	0.5	0.0	0.424	(0.0)
olvi4*	0.5	1.0	0.576	0.5
cmyn4*	0.5	0.0	0.424	0.0

standard and adapted CIELAB

LAB*LAB	72.72	35.1	11.94
LAB*LABa	72.65	-34.6	9.4
LAB*LABb	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.852	-0.24	0.066
lab*tch	0.875	0.25	0.458
lab*nch	0.0	0.5	0.458

relative Natural Colour (NC)

lab*trj	0.852	-0.24	0.0
lab*tce	0.25	0.5	0.5
lab*nce	0.0	0.25	0.006

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.538	(1.0)
cmyn3*	0.5	0.25	0.462	(0.0)
olvi4*	0.75	1.0	0.788	0.5
cmyn4*	0.25	0.0	0.212	0.25

standard and adapted CIELAB

LAB*LAB	64.55	-17.3	4.7
LAB*LABa	64.55	-17.3	4.7
LAB*LABb	62.5	17.93	164.8

relative CIELAB lab*

lab*lab	0.602	-0.24	0.066
lab*tch	0.625	0.25	0.458
lab*nch	0.25	0.25	0.458

relative Natural Colour (NC)

lab*trj	0.602	-0.24	0.0
lab*tce	0.625	0.25	0.5
lab*nce	0.25	0.25	0.998

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.788	(1.0)
cmyn3*	1.0	0.5	0.924	(0.0)
olvi4*	0.5	1.0	0.576	0.5
cmyn4*	0.5	0.0	0.424	0.5

standard and adapted CIELAB

LAB*LAB	32.79	-35.75	11.58
LAB*LABa	32.79	-34.6	9.41
LAB*LABb	25.01	35.87	164.79

relative CIELAB lab*

lab*lab	0.203	-0.48	0.131
lab*tch	0.25	0.5	0.458
lab*nch	0.5	0.5	0.458

relative Natural Colour (NC)

lab*trj	0.203	-0.48	0.0
lab*tce	0.25	0.5	0.5
lab*nce	0.5	0.5	0.998

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.38	(1.0)
cmyn3*	1.0	0.75	0.862	(0.0)
olvi4*	0.75	1.0	0.788	0.25
cmyn4*	0.25	0.0	0.212	0.75

standard and adapted CIELAB

LAB*LAB	24.67	-18.58	6.83
LAB*LABa	24.67	-17.29	4.71
LAB*LABb	12.5	17.93	164.78

relative CIELAB lab*

lab*lab	0.102	-0.24	0.066
lab*tch	0.125	0.25	0.458
lab*nch	0.75	0.25	0.458

relative Natural Colour (NC)

lab*trj	0.102	-0.24	0.0
lab*tce	0.125	0.25	0.5
lab*nce	0.75	0.25	0.998

$n^* = 0,50$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

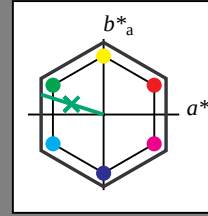
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



%Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.75
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.75	1.0	0.806	(1.0)
cmyn3*	0.25	0.0	0.194	(0.0)
olvi4*	1.0	1.0	1.0	0.806
cmyn4*	0.25	0.0	0.194	0.0

standard and adapted CIELAB

LAB*LAB	81.27	-20.64	6.62
LAB*LABa	81.27	-20.64	6.62
LAB*LABb	75.0	21.68	162.23

relative CIELAB lab*

lab*lab	0.852	-0.237	0.076
lab*tch	0.875	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.852	-0.237	0.0
lab*tce	0.25	0.25	0.5
lab*nce	0.0	0.25	0.006

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.536	(1.0)
cmyn3*	0.5	0.25	0.444	(0.0)
olvi4*	0.75	1.0	0.806	0.75
cmyn4*	0.25	0.0	0.194	0.25

standard and adapted CIELAB

LAB*LAB	57.43	-20.65	6.62
LAB*LABa	57.43	-20.65	6.62
LAB*LABb	50.0	43.37	162.23

relative CIELAB lab*

lab*lab	0.602	-0.237	0.076
lab*tch	0.625	0.25	0.451
lab*nch	0.25	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.602	-0.237	0.0
lab*tce	0.625	0.25	0.5
lab*nce	0.25	0.25	0.998

relative Inform. Technology (IT)

olvi3*</

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

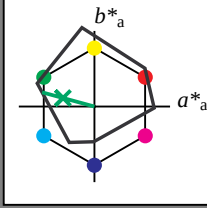
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness t^*



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

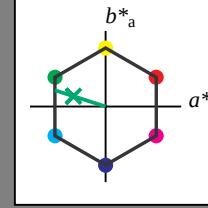
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 96.31 0.0 0.0

LAB*LABa 96.31 0.0 0.0

LAB*LABb 96.31 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 1.0 0.0 0.0

lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.44 0.0 0.0

LAB*LABa 56.44 0.0 0.0

LAB*LABb 56.44 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 16.57 0.0 0.0

LAB*LABa 16.57 0.0 0.0

LAB*LABb 16.57 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

blackness $n^* = 1,0$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 1.0 0.0 0.0

lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.72 0.0 0.0

LAB*LABa 56.72 0.0 0.0

LAB*LABb 56.72 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*LABb 18.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

blackness $n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 165/360 = 0.458 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 165/360 = 0.458$

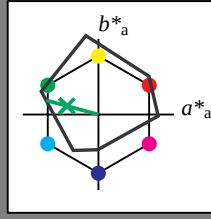
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)									
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	96.31	11.25	58.8	17.6	7.21	1.0	0.0	0.0	0.0
LAB*LABa	96.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25	0.25	0.25	0.25	0.25	0.25
standard and adapted CIELAB									
LAB*LAB	76.38	-0.44	2.45	17.6	7.21	1.0	0.0	0.0	0.0
LAB*LABa	76.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	75.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
standard and adapted CIELAB									
LAB*LAB	56.44	-0.76	2.32	17.6	7.21	1.0	0.0	0.0	0.0
LAB*LABa	56.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	50.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.75	0.75	0.75	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75	0.75	0.75	0.75	0.75	0.75
standard and adapted CIELAB									
LAB*LAB	36.5	-1.09	2.19	17.6	7.21	1.0	0.0	0.0	0.0
LAB*LABa	36.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	25.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
standard and adapted CIELAB									
LAB*LAB	16.57	-1.41	2.06	17.6	7.21	1.0	0.0	0.0	0.0
LAB*LABa	16.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABb	10.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)									
olvi3*	0.5	1.0	0.576	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.5	0.0	0.424	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	0.5	1.0	0.576	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.5	0.0	0.424	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	72.0	0.51	11.84	17.6	7.21	1.0	0.0	0.0	0.0
LAB*LABa	72.05	-34.6	9.4	17.6	7.21	1.0	0.0	0.0	0.0
LAB*LABb	75.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.5	0.0	0.481	0.131	0.131	0.131	0.131	0.131	0.131
lab*tch	0.5	0.0	0.458	0.131	0.131	0.131	0.131	0.131	0.131
lab*nch	0.0	0.0	0.5	0.458	0.458	0.458	0.458	0.458	0.458
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.458	0.131	0.131	0.131	0.131	0.131	0.131
lab*tce	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
lab*nce	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.75	0.326	1.0
cmyn3*	0.75	0.25	0.674	0.0
olvi4*	0.5	1.0	0.576	0.75
cmyn4*	0.5	0.0	0.424	0.25
standard and adapted CIELAB				
LAB*LAB	52.72	-35.43	11.71	17.6
LAB*LABa	52.72	-34.6	9.4	17.6
LAB*LABb	50.0	0.01	0.0	0.0
LAB*TCha	50.0	35.87	164.8	164.8
relative CIELAB lab*				
lab*lab	0.453	-0.482	0.131	0.131
lab*tch	0.5	0.5	0.458	0.458
lab*nch	0.25	0.5	0.458	0.458
relative Natural Colour (NC)				
lab*trj	0.453	0.499	0.0	0.0
lab*nce	0.5	0.5	0.5	0.5
lab*nCe	0.25	0.5	0.99g	0.99g

Input: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 165/360 = 0.458$

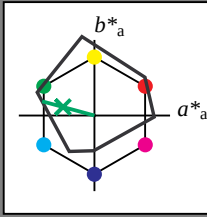
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	96.31	11.25	58.8	0.0
LAB*LABa	96.31	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	0.0
LAB*LABa	76.38	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.25	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	0.0
LAB*LABa	56.44	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.5	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	36.5	-1.09	2.19	0.0
LAB*LABa	36.5	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.75	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.75	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	0.0
LAB*LABa	16.57	0.0	0.0	0.0
LAB*LABb	0.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	1.0	0.0	-	-

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.576	(1.0)
cmyn3*	0.5	0.0	0.424	(0.0)
olvi4*	0.5	1.0	0.576	1.0
cmyn4*	0.5	0.0	0.424	0.0
standard and adapted CIELAB				
LAB*LAB	72.0	35.1	11.84	0.0
LAB*LABa	72.05	-34.6	9.4	0.0
LAB*LABb	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.852	-0.24	0.066	0.0
lab*tch	0.875	0.25	0.458	0.0
lab*nch	0.0	0.5	0.458	0.0
relative Natural Colour (NC)				
lab*trj	0.852	-0.249	0.0	0.0
lab*tce	0.875	0.25	0.5	0.0
lab*nce	0.0	0.25	0.006	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.75	0.538	(1.0)
cmyn3*	0.5	0.25	0.462	(0.0)
olvi4*	0.75	1.0	0.788	1.0
cmyn4*	0.25	0.0	0.212	0.25
standard and adapted CIELAB				
LAB*LAB	64.55	-17.3	4.7	0.0
LAB*LABa	64.55	-17.3	4.7	0.0
LAB*LABb	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.602	-0.24	0.066	0.0
lab*tch	0.625	0.25	0.458	0.0
lab*nch	0.25	0.25	0.458	0.0
relative Natural Colour (NC)				
lab*trj	0.602	-0.249	0.0	0.0
lab*tce	0.625	0.25	0.5	0.0
lab*nce	0.25	0.25	0.006	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.288	(1.0)
cmyn3*	0.75	0.5	0.712	(0.0)
olvi4*	0.75	1.0	0.788	1.0
cmyn4*	0.25	0.0	0.212	0.5
standard and adapted CIELAB				
LAB*LAB	44.61	-18.26	6.95	0.0
LAB*LABa	44.61	-17.3	4.7	0.0
LAB*LABb	37.5	0.01	-	-
relative CIELAB lab*				
lab*lab	0.352	-0.24	0.066	0.0
lab*tch	0.375	0.25	0.458	0.0
lab*nch	0.5	0.25	0.458	0.0
relative Natural Colour (NC)				
lab*trj	0.352	-0.249	0.0	0.0
lab*tce	0.375	0.25	0.5	0.0
lab*nce	0.5	0.25	0.006	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.038	(1.0)
cmyn3*	1.0	0.75	0.862	(0.0)
olvi4*	0.75	1.0	0.788	0.5
cmyn4*	0.25	0.0	0.212	0.75
standard and adapted CIELAB				
LAB*LAB	24.67	-18.58	6.83	0.0
LAB*LABa	24.67	-17.29	4.71	0.0
LAB*LABb	12.5	0.01	-	-
relative CIELAB lab*				
lab*lab	0.102	-0.24	0.066	0.0
lab*tch	0.125	0.25	0.458	0.0
lab*nch	0.75	0.25	0.458	0.0
relative Natural Colour (NC)				
lab*trj	0.102	-0.249	0.0	0.0
lab*tce	0.125	0.25	0.5	0.0
lab*nce	0.75	0.25	0.006	0.0

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

1,00

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

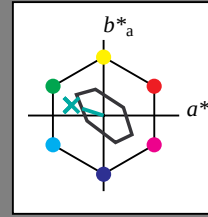
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	0.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	96.41	-7.09	2.28	0.0
LAB*LABa	96.41	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.25	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	82.56	0.0	0.0	0.0
LAB*LABa	82.56	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.5	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*Lab	76.13	0.0	0.0	
Lab*LABa	76.13	0.0	0.0	
Lab*TCb	25.0	0.0	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*labch	0.25	0.0	-	
lab*labnch	0.75	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.25	0.0	0.0	
lab*trc	0.25	0.0	-	

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

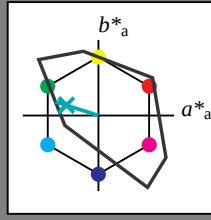
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	0.75	1.0	0.91	(1.0)
cmyn3*	0.25	0.0	0.09	(0.0)
olvi4*	0.75	1.0	0.91	(1.0)
cmyn4*	0.25	0.0	0.09	(0.0)

standard and adapted CIELAB

LAB*LAB	93.05	14.2	4.55
LAB*LABa	93.05	14.2	4.55
LAB*TCRa	87.5	14.92	162.24

relative CIELAB lab*

lab*lab	0.97	-0.237	0.076
lab*tch	0.875	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.97	-0.249	0.0
lab*tce	0.875	0.25	0.5
lab*nce	0.0	0.25	0.006

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.66	(1.0)
cmyn3*	0.5	0.25	0.34	(0.0)
olvi4*	0.75	1.0	0.91	(1.0)
cmyn4*	0.25	0.0	0.09	(0.0)

standard and adapted CIELAB

LAB*LAB	73.71	14.21	4.56
LAB*LABa	73.71	14.21	4.56
LAB*TCRa	62.5	14.93	162.22

relative CIELAB lab*

lab*lab	0.72	-0.237	0.076
lab*tch	0.625	0.25	0.451
lab*nch	0.25	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.72	-0.249	0.0
lab*tce	0.625	0.25	0.5
lab*nce	0.25	0.25	0.998

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.41	(1.0)
cmyn3*	0.75	0.5	0.59	(0.0)
olvi4*	0.75	1.0	0.91	(1.0)
cmyn4*	0.25	0.0	0.09	(0.0)

standard and adapted CIELAB

LAB*LAB	54.36	14.21	4.56
LAB*LABa	54.36	14.21	4.56
LAB*TCRa	37.5	14.93	162.22

relative CIELAB lab*

lab*lab	0.47	-0.237	0.076
lab*tch	0.375	0.25	0.451
lab*nch	0.5	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.47	-0.249	0.0
lab*tce	0.375	0.25	0.5
lab*nce	0.5	0.25	0.998

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.16	(1.0)
cmyn3*	1.0	0.75	0.84	(0.0)
olvi4*	0.75	1.0	0.91	(1.0)
cmyn4*	0.25	0.0	0.09	(0.0)

standard and adapted CIELAB

LAB*LAB	35.01	14.2	4.56
LAB*LABa	35.01	14.2	4.56
LAB*TCRa	12.5	14.93	162.21

relative CIELAB lab*

lab*lab	0.22	-0.237	0.076
lab*tch	0.125	0.25	0.451
lab*nch	0.75	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.22	-0.249	0.0
lab*tce	0.125	0.25	0.5
lab*nce	0.75	0.25	0.998

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,25$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.82	(1.0)
cmyn3*	0.5	0.0	0.18	(0.0)
olvi4*	0.5	1.0	0.82	(1.0)
cmyn4*	0.5	0.0	0.18	(0.0)

standard and adapted CIELAB

LAB*LAB	90.7	28.42	9.11
LAB*LABa	90.7	28.42	9.11
LAB*TCRa	75.0	28.85	162.23

relative CIELAB lab*

lab*lab	0.939	-0.475	0.153
lab*tch	0.75	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.939	-0.489	0.0
lab*tce	0.75	0.5	0.5
lab*nce	0.0	0.5	0.006

relative Inform. Technology (IT)

olvi3*	0.25	1.0	0.73	(1.0)
cmyn3*	0.75	0.0	0.27	(0.0)
olvi4*	0.25	1.0	0.73	(1.0)
cmyn4*	0.75	0.0	0.27	(0.0)

standard and adapted CIELAB

LAB*LAB	88.35	42.63	13.67
LAB*LABa	88.35	42.63	13.67
LAB*TCRa	62.5	44.78	162.23

relative CIELAB lab*

lab*lab	0.909	-0.713	0.229
lab*tch	0.625	0.75	0.451
lab*nch	0.0	0.75	0.451

relative Natural Colour (NC)

lab*trj	0.909	-0.749	0.0
lab*tce	0.625	0.75	0.5
lab*nce	0.0	0.75	0.006

relative Inform. Technology (IT)

olvi3*	0.0	0.75	0.57	(1.0)
cmyn3*	0.75	0.25	0.43	(0.0)
olvi4*	0.5	1.0	0.82	(1.0)
cmyn4*	0.5	0.0	0.18	(0.0)

standard and adapted CIELAB

LAB*LAB	71.36	28.42	9.12
LAB*LABa	71.36	28.42	9.12
LAB*TCRa	50.0	29.86	162.22

relative CIELAB lab*

lab*lab	0.689	-0.475	0.153
lab*tch	0.5	0.5	0.451
lab*nch	0.25	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.689	-0.489	0.0
lab*tce	0.5	0.5	0.5
lab*nce	0.25	0.5	0.998

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.32	(1.0)
cmyn3*	1.0	0.5	0.68	(0.0)
olvi4*	0.5	1.0	0.82	(1.0)
cmyn4*	0.5	0.0	0.18	(0.0)

standard and adapted CIELAB

LAB*LAB	52.01	28.42	9.12
LAB*LABa	52.01	28.42	9.12
LAB*TCRa	25.0	29.86	162.22

relative CIELAB lab*

lab*lab	0.439	-0.475	0.153
lab*tch	0.25	0.5	0.451
lab*nch	0.5	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.439	-0.489	0.0
lab*tce	0.25	0.5	0.5
lab*nce	0.5	0.5	0.998

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0
---------	-------	---

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

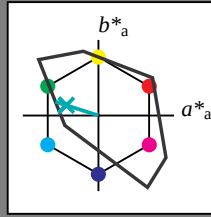
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness t^*



% Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.07 0.0 0.0
 LAB^*LABa 76.07 0.0 0.0
 LAB^*TCha 75.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 56.72 0.0 0.0
 LAB^*LABa 56.72 0.0 0.0
 LAB^*TCha 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 37.37 0.0 0.0
 LAB^*LABa 37.37 0.0 0.0
 LAB^*TCha 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.75 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*nce 1.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*nce 1.0 0.0 -

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 1.0 0.82 (1.0)
 $cmyn3^*$ 0.5 0.0 0.18 (0.0)
 $olvi4^*$ 0.5 1.0 0.82 (1.0)
 $cmyn4^*$ 0.5 0.0 0.18 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 90.7 0.0 0.0
 LAB^*LABa 90.7 -28.42 9.11
 LAB^*TCha 75.0 29.85 162.23

relative CIELAB lab*
 lab^*lab 0.939 -0.475 0.153
 lab^*tch 0.75 0.5 0.451
 lab^*nch 0.0 0.5 0.451
 relative Natural Colour (NC)
 lab^*trj 0.939 -0.459 0.0
 lab^*tce 0.75 0.5 0.5
 lab^*nce 0.0 0.5 0.006

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.75 0.57 (1.0)
 $cmyn3^*$ 0.75 0.25 0.431 (0.0)
 $olvi4^*$ 0.5 1.0 0.82 0.75
 $cmyn4^*$ 0.5 0.0 0.18 0.25
 standard and adapted CIELAB
 LAB^*LAB 71.36 -28.42 9.12
 LAB^*LABa 71.36 -28.42 9.12
 LAB^*TCha 50.0 29.86 162.22

relative CIELAB lab*
 lab^*lab 0.689 -0.475 0.153
 lab^*tch 0.75 0.5 0.451
 lab^*nch 0.0 0.5 0.451
 relative Natural Colour (NC)
 lab^*trj 0.689 -0.459 0.0
 lab^*tce 0.75 0.5 0.5
 lab^*nce 0.25 0.5 0.006

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.5 0.32 (1.0)
 $cmyn3^*$ 1.0 0.5 0.68 (0.0)
 $olvi4^*$ 0.5 1.0 0.82 0.5
 $cmyn4^*$ 0.5 0.0 0.18 0.5
 standard and adapted CIELAB
 LAB^*LAB 52.01 -28.42 9.12
 LAB^*LABa 52.01 -28.42 9.12
 LAB^*TCha 25.01 29.86 162.22

relative CIELAB lab*
 lab^*lab 0.439 -0.475 0.153
 lab^*tch 0.25 0.5 0.451
 lab^*nch 0.0 0.5 0.451
 relative Natural Colour (NC)
 lab^*trj 0.439 -0.459 0.0
 lab^*tce 0.25 0.5 0.5
 lab^*nce 0.5 0.5 0.006

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.25 0.16 (1.0)
 $cmyn3^*$ 1.0 0.75 0.84 (0.0)
 $olvi4^*$ 0.5 1.0 0.91 0.25
 $cmyn4^*$ 0.25 0.0 0.09 0.75
 standard and adapted CIELAB
 LAB^*LAB 35.01 -14.2 4.56
 LAB^*LABa 35.01 -14.2 4.56
 LAB^*TCha 12.5 14.93 162.21

relative CIELAB lab*
 lab^*lab 0.22 -0.237 0.076
 lab^*tch 0.125 0.25 0.451
 lab^*nch 0.75 0.25 0.451
 relative Natural Colour (NC)
 lab^*trj 0.22 -0.249 0.0
 lab^*tce 0.125 0.25 0.5
 lab^*nce 0.75 0.25 0.006

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*nce 1.0 0.0 -

$n^* = 0,00$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

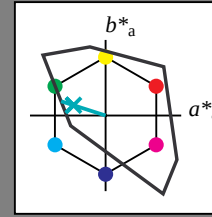
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCha 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 71.57 0.0 0.0
 LAB^*LABa 71.57 0.0 0.0
 LAB^*TCha 75.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 47.72 0.0 0.0
 LAB^*LABa 47.72 0.0 0.0
 LAB^*TCha 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 23.87 0.0 0.0
 LAB^*LABa 23.87 0.0 0.0
 LAB^*TCha 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nce 0.75 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.03 0.0 0.0
 LAB^*LABa 0.03 0.0 0.0
 LAB^*TCha 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*nce 1.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 18.03 0.0 0.0
 LAB^*LABa 18.03 0.0 0.0
 LAB^*TCha 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*nce 1.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 1.0 0.826 (1.0)
 $cmyn3^*$ 0.5 0.0 0.174 (0.0)
 $olvi4^*$ 0.5 1.0 0.826 (1.0)
 $cmyn4^*$ 0.5 0.0 0.173 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 90.57 -29.42 9.43
 LAB^*LABa 90.57 -29.42 9.43
 LAB^*TCha 75.0 30.9 162.23

relative CIELAB lab*
 lab^*lab 0.949 -0.475 0.153
 lab^*tch 0.75 0.5 0.451
 lab^*nch 0.0 0.5 0.451
 relative Natural Colour (NC)
 lab^*trj 0.949 -0.459 0.0
 lab^*tce 0.75 0.5 0.5
 lab^*nce 0.0 0.5 0.006

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.75 0.576 (1.0)
 $cmyn3^*$ 0.75 0.25 0.424 (0.0)
 $olvi4^*$ 0.5 1.0 0.826 0.75
 $cmyn4^*$ 0.5 0.0 0.174 0.25
 standard and adapted CIELAB
 LAB^*LAB 66.73 -29.42 9.44
 LAB^*LABa 66.73 -29.42 9.44
 LAB^*TCha 50.0 30.91 162.22

relative CIELAB lab*
 lab^*lab 0.699 -0.475 0.153
 lab^*tch 0.75 0.5 0.451
 lab^*nch 0.0 0.5 0.451
 relative Natural Colour (NC)
 lab^*trj 0.699 -0.459 0.0
 lab^*tce 0.75 0.5 0.5
 lab^*nce 0.25 0.5 0.006

relative

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

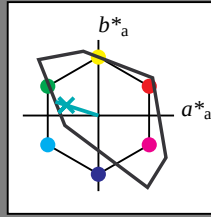
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness t^*



%Gamut
 $u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.82 (1.0)
cmyn3* 0.5 0.0 0.18 (0.0)
olvi4* 0.5 1.0 0.82 (1.0)
cmyn4* 0.5 0.0 0.18 (0.0)
standard and adapted CIELAB
LAB*LAB 90.7 -28.42 9.11
LAB*LABa 90.7 -28.42 9.11
LAB*TCRa 75.0 29.86 162.23

relative CIELAB lab*
lab*lab 0.939 -0.475 0.153
lab*tch 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.939 -0.475 0.153
lab*tce 0.75 0.5 0.451
lab*nce 0.0 0.5 0.451

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.57 (1.0)
cmyn3* 0.75 0.25 0.431 (0.0)
olvi4* 0.5 1.0 0.82 (1.0)
cmyn4* 0.5 0.0 0.18 (0.0)
standard and adapted CIELAB
LAB*LAB 71.36 -28.42 9.12
LAB*LABa 71.36 -28.42 9.12
LAB*TCRa 50.0 29.86 162.23

relative CIELAB lab*
lab*lab 0.689 -0.475 0.153
lab*tch 0.689 -0.475 0.153
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.689 -0.475 0.153
lab*tce 0.689 -0.475 0.153
lab*nce 0.0 0.5 0.451

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.32 (1.0)
cmyn3* 1.0 0.5 0.68 (0.0)
olvi4* 0.5 1.0 0.82 (1.0)
cmyn4* 0.5 0.0 0.18 (0.0)
standard and adapted CIELAB
LAB*LAB 52.01 -28.42 9.12
LAB*LABa 52.01 -28.42 9.12
LAB*TCRa 25.0 29.86 162.23

relative CIELAB lab*
lab*lab 0.439 -0.475 0.153
lab*tch 0.439 -0.475 0.153
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.439 -0.475 0.153
lab*tce 0.439 -0.475 0.153
lab*nce 0.0 0.5 0.451

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.16 (1.0)
cmyn3* 1.0 0.75 0.84 (0.0)
olvi4* 0.5 1.0 0.82 (1.0)
cmyn4* 0.5 0.0 0.18 (0.0)
standard and adapted CIELAB
LAB*LAB 35.01 -14.2 4.56
LAB*LABa 35.01 -14.2 4.56
LAB*TCRa 12.5 14.93 162.21

relative CIELAB lab*
lab*lab 0.22 -0.237 0.076
lab*tch 0.22 -0.237 0.076
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.22 -0.237 0.076
lab*tce 0.22 -0.237 0.076
lab*nce 0.0 0.25 0.451

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0,50$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 165/360 = 0.458$

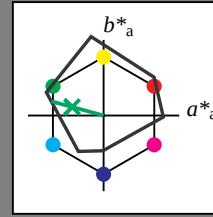
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness t^*



%Gamut
 $u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.11 2.58
LAB*LABa 96.31 0.11 2.58
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 -0.44 2.45
LAB*LABa 76.38 -0.44 2.45
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 0.76 2.32
LAB*LABa 56.44 0.76 2.32
LAB*TCRa 50.0 16.23 162.23

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 1.09 2.19
LAB*LABa 36.5 1.09 2.19
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.576 (1.0)
cmyn3* 0.5 0.0 0.424 (0.0)
olvi4* 0.5 1.0 0.576 (1.0)
cmyn4* 0.5 0.0 0.424 (0.0)
standard and adapted CIELAB
LAB*LAB 72.65 -3.51 11.84
LAB*LABa 72.65 -3.51 11.84
LAB*TCRa 75.0 35.86 164.8

relative CIELAB lab*
lab*lab 0.703 -0.481 0.131
lab*tch 0.703 -0.481 0.131
lab*nch 0.0 0.5 0.458
relative Natural Colour (NC)
lab*trj 0.703 -0.481 0.131
lab*tce 0.703 -0.481 0.131
lab*nce 0.0 0.5 0.458

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.326 (1.0)
cmyn3* 0.75 0.25 0.574 (0.0)
olvi4* 0.5 1.0 0.576 (1.0)
cmyn4* 0.5 0.0 0.424 (0.0)
standard and adapted CIELAB
LAB*LAB 52.72 -34.43 11.71
LAB*LABa 52.72 -34.43 11.71
LAB*TCRa 50.0 35.87 164.8

relative CIELAB lab*
lab*lab 0.555 -0.723 0.197
lab*tch 0.555 -0.723 0.197
lab*nch 0.0 0.75 0.458
relative Natural Colour (NC)
lab*trj 0.555 -0.723 0.197
lab*tce 0.555 -0.723 0.197
lab*nce 0.0 0.75 0.458

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.076 (1.0)
cmyn3* 1.0 0.5 0.924 (0.0)
olvi4* 0.5 1.0 0.576 (1.0)
cmyn4* 0.5 0.0 0.424 (0.0)
standard and adapted CIELAB
LAB*LAB 32.79 -35.75 11.58
LAB*LABa 32.79 -35.75 11.58
LAB*TCRa 25.0 35.87 164.79

relative CIELAB lab*
lab*lab 0.305 -0.723 0.197
lab*tch 0.305 -0.723 0.197
lab*nch 0.0 0.25 0.458
relative Natural Colour (NC)
lab*trj 0.305 -0.723 0.197
lab*tce 0.305 -0.723 0.197
lab*nce 0.0 0.25 0.458

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.038 (1.0)
cmyn3* 1.0 0.75 0.962 (0.0)
olvi4* 0.5 1.0 0.576 (1.0)
cmyn4* 0.5 0.0 0.424 (0.0)
standard and adapted CIELAB
LAB*LAB 24.67 -18.58 6.83
LAB*LABa 24.67 -18.58 6.83
LAB*TCRa 12.5 17.93 164.78

relative CIELAB lab*
lab*lab 0.102 -0.24 0.066
lab*tch 0.102 -0.24 0.066
lab*nch 0.0 0.25 0.458
relative Natural Colour (NC)
lab*trj 0.102 -0.24 0.066
lab*tce 0.102 -0.24 0.066
lab*nce 0.0 0.25 0.458

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0,50$

0,75

$n^* = 0,25$

0,25

$n^* = 0,00$

blackness n^*

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 165/360 = 0.458 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

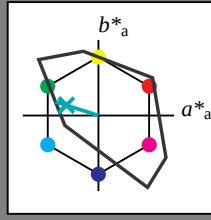
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.82 (1.0)
cmyn3* 0.5 0.0 0.18 (0.0)
olvi4* 0.5 1.0 0.82 (1.0)
cmyn4* 0.5 0.0 0.18 (0.0)
standard and adapted CIELAB
LAB*LAB 90.7 0.0 0.0
LAB*LABa 90.7 -28.42 9.11
LAB*TCRa 75.0 29.85 162.23

relative CIELAB lab*
lab*lab 0.97 -0.237 0.076
lab*tch 0.875 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.97 -0.237 0.076
lab*tce 0.875 0.25 0.451
lab*nce 0.0 0.25 0.451

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.66 (1.0)
cmyn3* 0.5 0.25 0.34 (0.0)
olvi4* 0.5 1.0 0.82 (1.0)
cmyn4* 0.5 0.0 0.18 (0.0)
standard and adapted CIELAB
LAB*LAB 73.71 -14.21 4.56
LAB*LABa 73.71 -14.21 4.56
LAB*TCRa 50.0 29.85 162.23

relative CIELAB lab*
lab*lab 0.72 -0.237 0.076
lab*tch 0.625 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.72 -0.237 0.076
lab*tce 0.625 0.25 0.451
lab*nce 0.0 0.25 0.451

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.41 (1.0)
cmyn3* 0.75 0.5 0.59 (0.0)
olvi4* 0.5 1.0 0.82 (1.0)
cmyn4* 0.5 0.0 0.18 (0.0)
standard and adapted CIELAB
LAB*LAB 54.36 -14.21 4.56
LAB*LABa 54.36 -14.21 4.56
LAB*TCRa 37.5 14.93 162.22

relative CIELAB lab*
lab*lab 0.47 -0.237 0.076
lab*tch 0.375 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.47 -0.237 0.076
lab*tce 0.375 0.25 0.451
lab*nce 0.0 0.25 0.451

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.32 (1.0)
cmyn3* 1.0 0.5 0.68 (0.0)
olvi4* 0.5 1.0 0.82 (1.0)
cmyn4* 0.5 0.0 0.18 (0.0)
standard and adapted CIELAB
LAB*LAB 52.01 -28.42 9.12
LAB*LABa 52.01 -28.42 9.12
LAB*TCRa 25.01 29.85 162.22

relative CIELAB lab*
lab*lab 0.439 -0.475 0.153
lab*tch 0.25 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.439 -0.475 0.153
lab*tce 0.25 0.5 0.451
lab*nce 0.0 0.5 0.451

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.73 (1.0)
cmyn3* 0.75 0.0 0.27 (0.0)
olvi4* 0.25 1.0 0.73 (1.0)
cmyn4* 0.75 0.0 0.27 (0.0)
standard and adapted CIELAB
LAB*LAB 88.35 -42.63 13.67
LAB*LABa 88.35 -42.63 13.67
LAB*TCRa 62.5 44.78 162.23

relative CIELAB lab*
lab*lab 0.909 -0.475 0.153
lab*tch 0.625 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*trj 0.909 -0.475 0.153
lab*tce 0.625 0.75 0.451
lab*nce 0.0 0.75 0.451

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.41 (1.0)
cmyn3* 0.75 0.5 0.59 (0.0)
olvi4* 0.5 1.0 0.82 (1.0)
cmyn4* 0.5 0.0 0.18 (0.0)
standard and adapted CIELAB
LAB*LAB 71.36 -28.42 9.12
LAB*LABa 71.36 -28.42 9.12
LAB*TCRa 50.0 29.85 162.22

relative CIELAB lab*
lab*lab 0.689 -0.475 0.153
lab*tch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.689 -0.475 0.153
lab*tce 0.5 0.5 0.451
lab*nce 0.0 0.5 0.451

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.48 (1.0)
cmyn3* 1.0 0.25 0.52 (0.0)
olvi4* 0.25 1.0 0.73 (1.0)
cmyn4* 0.75 0.0 0.27 (0.0)
standard and adapted CIELAB
LAB*LAB 69.01 -42.64 13.68
LAB*LABa 69.01 -42.64 13.68
LAB*TCRa 37.51 44.79 162.22

relative CIELAB lab*
lab*lab 0.659 -0.713 0.229
lab*tch 0.375 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*trj 0.659 -0.713 0.229
lab*tce 0.375 0.75 0.451
lab*nce 0.0 0.75 0.451

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCRa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

$n^* = 0,00$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCRa 35.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.36 (1.0)
cmyn3* 0.75 0.5 0.64 (0.0)
olvi4* 0.5 1.0 0.82 (1.0)
cmyn4* 0.5 0.0 0.18 (0.0)
standard and adapted CIELAB
LAB*LAB 43.3 -41.3 13.24
LAB*LABa 43.3 -41.3 13.24
LAB*TCRa 30.0 43.37 162.23

relative CIELAB lab*
lab*lab 0.454 -0.475 0.153
lab*tch 0.375 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*trj 0.454 -0.475 0.153
lab*tce 0.375 0.75 0.451
lab*nce 0.0 0.75 0.451

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.32 (1.0)
cmyn3* 1.0 0.5 0.68 (0.0)
olvi4* 0.5 1.0 0.82 (1.0)
cmyn4* 0.5 0.0 0.18 (0.0)
standard and adapted CIELAB
LAB*LAB 52.01 -28.42 9.12
LAB*LABa 52.01 -28.42 9.12
LAB*TCRa 25.01 29.85 162.22

relative CIELAB lab*
lab*lab 0.439 -0.475 0.153
lab*tch 0.25 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.439 -0.475 0.153
lab*tce 0.25 0.5 0.451
lab*nce 0.0 0.5 0.451

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCRa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

$n^* = 0,00$

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

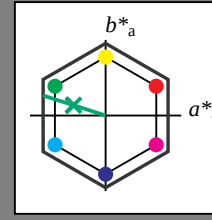
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 67.14 -41.29 13.24
LAB*LABa 67.14 -41.29 13.24
LAB*TCRa 50.0 43.37 162.23

relative CIELAB lab*
lab*lab 0.704 -0.475 0.153
lab*tch 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.704 -0.475 0.153
lab*tce 0.75 0.5 0.451
lab*nce 0.0 0.5 0.451

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.66 (1.0)
cmyn3* 0.5 0.25 0.34 (0.0)
olvi4* 0.5 1.0 0.82 (1.0)
cmyn4* 0.5 0.0 0.18 (0.0)
standard and adapted CIELAB
LAB*LAB 54.36 -14.21 4.56
LAB*LABa 54.36 -14.21 4.56
LAB*TCRa 37.5 14.93 162.22

relative CIELAB lab*
lab*lab 0.602 -0.475 0.153
lab*tch 0.625 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.602 -0.475 0.153
lab*tce 0.625 0.25 0.451
lab*nce 0.0 0.25 0.451

relative Inform. Technology (IT)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

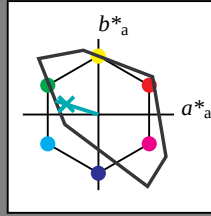
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCh \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCh \ 76.07 \ 0.0 \ 0.0$
 relative CIELAB lab*
 $lab^*lab \ 0.97 \ -0.237 \ 0.076$
 $lab^*tch \ 0.875 \ 0.25 \ 0.451$
 $lab^*nch \ 0.0 \ 0.25 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.97 \ -0.249 \ 0.0$
 $lab^*tce \ 0.875 \ 0.25 \ 0.5$
 $lab^*nce \ 0.0 \ 0.25 \ 0.006$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.66 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.34 \ (0.0)$
 $olvi4^* \ 0.75 \ 1.0 \ 0.91 \ 0.5$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.09 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 73.71 \ -14.21 \ 4.56$
 $LAB^*TCh \ 73.71 \ -14.21 \ 4.56$
 relative CIELAB lab*
 $lab^*lab \ 0.72 \ -0.237 \ 0.076$
 $lab^*tch \ 0.625 \ 0.25 \ 0.451$
 $lab^*nch \ 0.25 \ 0.25 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.72 \ -0.249 \ 0.0$
 $lab^*tce \ 0.625 \ 0.25 \ 0.5$
 $lab^*nce \ 0.25 \ 0.25 \ 0.998$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCh \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCh \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCh \ 0.01 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

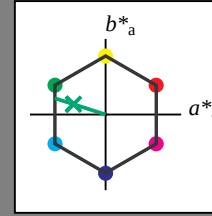
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCh \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCh \ 76.07 \ 0.0 \ 0.0$
 relative CIELAB lab*
 $lab^*lab \ 0.97 \ -0.237 \ 0.076$
 $lab^*tch \ 0.875 \ 0.25 \ 0.451$
 $lab^*nch \ 0.0 \ 0.25 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.97 \ -0.249 \ 0.0$
 $lab^*tce \ 0.875 \ 0.25 \ 0.5$
 $lab^*nce \ 0.0 \ 0.25 \ 0.006$

relative CIELAB lab*
 $lab^*lab \ 0.72 \ -0.237 \ 0.076$
 $lab^*tch \ 0.625 \ 0.25 \ 0.451$
 $lab^*nch \ 0.25 \ 0.25 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.72 \ -0.249 \ 0.0$
 $lab^*tce \ 0.625 \ 0.25 \ 0.5$
 $lab^*nce \ 0.25 \ 0.25 \ 0.998$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCh \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCh \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCh \ 0.01 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 1.0 \ 0.611 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.0 \ 0.389 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.806 \ 1.0$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.389 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 72.48 \ -33.5 \ 10.74$
 $LAB^*TCh \ 72.48 \ -33.5 \ 10.74$

relative CIELAB lab*
 $lab^*lab \ 0.704 \ -0.475 \ 0.153$
 $lab^*tch \ 0.75 \ 0.5 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.704 \ -0.489 \ 0.0$
 $lab^*tce \ 0.75 \ 0.5 \ 0.5$
 $lab^*nce \ 0.0 \ 0.5 \ 0.006$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.75 \ 0.536 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.444 \ (0.0)$
 $olvi4^* \ 0.75 \ 1.0 \ 0.806 \ 0.75$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.194 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 64.59 \ -16.75 \ 5.37$
 $LAB^*TCh \ 64.59 \ -16.75 \ 5.37$

relative CIELAB lab*
 $lab^*lab \ 0.602 \ -0.237 \ 0.076$
 $lab^*tch \ 0.625 \ 0.25 \ 0.451$
 $lab^*nch \ 0.25 \ 0.25 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.602 \ -0.249 \ 0.0$
 $lab^*tce \ 0.625 \ 0.25 \ 0.5$
 $lab^*nce \ 0.25 \ 0.25 \ 0.998$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.5 \ 0.306 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.5 \ 0.694 \ (0.0)$
 $olvi4^* \ 0.75 \ 1.0 \ 0.806 \ 0.5$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.194 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 53.13 \ -33.5 \ 10.75$
 $LAB^*TCh \ 53.13 \ -33.5 \ 10.75$

relative CIELAB lab*
 $lab^*lab \ 0.454 \ -0.475 \ 0.153$
 $lab^*tch \ 0.5 \ 0.5 \ 0.451$
 $lab^*nch \ 0.25 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.454 \ -0.489 \ 0.0$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5$
 $lab^*nce \ 0.25 \ 0.5 \ 0.006$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCh \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCh \ 0.01 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.5 \ 0.111 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.5 \ 0.889 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.611 \ 1.0$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.389 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 33.78 \ -33.5 \ 10.75$
 $LAB^*TCh \ 33.78 \ -33.5 \ 10.75$

relative CIELAB lab*
 $lab^*lab \ 0.204 \ -0.475 \ 0.153$
 $lab^*tch \ 0.25 \ 0.5 \ 0.451$
 $lab^*nch \ 0.25 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.204 \ -0.489 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.5$
 $lab^*nce \ 0.5 \ 0.5 \ 0.998$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.25 \ 0.036 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 0.75 \ 1.0 \ 0.806 \ 0.25$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.194 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 25.9 \ -16.74 \ 5.37$
 $LAB^*TCh \ 25.9 \ -16.74 \ 5.37$

relative CIELAB lab*
 $lab^*lab \ 0.102 \ -0.237 \ 0.076$
 $lab^*tch \ 0.125 \ 0.25 \ 0.451$
 $lab^*nch \$

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

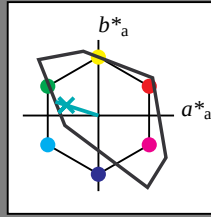
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

$olvi3^* \ 0.5 \ 1.0 \ 0.82 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.0 \ 0.18 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.82 \ (1.0)$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.18 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 90.7 \ 0.0 \ 0.0$
 $LAB^*TCha \ 90.7 \ -28.42 \ 9.11$
 $LAB^*TCha \ 75.0 \ 29.86 \ 162.23$

relative CIELAB lab*
 $lab^*lab \ 0.939 \ -0.475 \ 0.153$
 $lab^*tch \ 0.75 \ 0.5 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.939 \ -0.459 \ 0.0$
 $lab^*tce \ 0.75 \ 0.5 \ 0.5$
 $lab^*nce \ 0.0 \ 0.5 \ 0.006$

relative Inform. Technology (IT)

$olvi3^* \ 0.25 \ 0.75 \ 0.66 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.34 \ (0.0)$
 $olvi4^* \ 0.75 \ 1.0 \ 0.86 \ 0.75$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.09 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 73.71 \ 14.21 \ 4.56$
 $LAB^*TCha \ 73.71 \ -14.21 \ 4.56$
 $LAB^*TCha \ 50.0 \ 29.86 \ 162.23$

relative CIELAB lab*
 $lab^*lab \ 0.72 \ 0.25 \ 0.076$
 $lab^*tch \ 0.625 \ 0.25 \ 0.451$
 $lab^*nch \ 0.25 \ 0.25 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.72 \ 0.249 \ 0.0$
 $lab^*tce \ 0.625 \ 0.25 \ 0.5$
 $lab^*nce \ 0.25 \ 0.25 \ 0.998$

relative Inform. Technology (IT)

$olvi3^* \ 0.25 \ 0.5 \ 0.41 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.5 \ 0.59 \ (0.0)$
 $olvi4^* \ 0.75 \ 1.0 \ 0.91 \ 0.5$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.09 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 54.36 \ 14.21 \ 4.56$
 $LAB^*TCha \ 54.36 \ -14.21 \ 4.56$
 $LAB^*TCha \ 50.0 \ 29.86 \ 162.23$

relative CIELAB lab*
 $lab^*lab \ 0.47 \ -0.237 \ 0.076$
 $lab^*tch \ 0.375 \ 0.25 \ 0.451$
 $lab^*nch \ 0.5 \ 0.25 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.47 \ -0.249 \ 0.0$
 $lab^*tce \ 0.375 \ 0.25 \ 0.5$
 $lab^*nce \ 0.5 \ 0.25 \ 0.998$

relative Inform. Technology (IT)

$olvi3^* \ 0.0 \ 0.25 \ 0.16 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.75 \ 0.84 \ (0.0)$
 $olvi4^* \ 0.75 \ 1.0 \ 0.91 \ 0.25$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.09 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 35.01 \ 14.21 \ 4.56$
 $LAB^*TCha \ 35.01 \ -14.21 \ 4.56$
 $LAB^*TCha \ 12.5 \ 14.53 \ 162.21$

relative CIELAB lab*
 $lab^*lab \ 0.22 \ -0.237 \ 0.076$
 $lab^*tch \ 0.125 \ 0.25 \ 0.451$
 $lab^*nch \ 0.75 \ 0.25 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.22 \ -0.249 \ 0.0$
 $lab^*tce \ 0.125 \ 0.25 \ 0.5$
 $lab^*nce \ 0.75 \ 0.25 \ 0.998$

$n^* = 0,50$

relative Inform. Technology (IT)

$olvi3^* \ 0.0 \ 0.5 \ 0.32 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.68 \ (0.0)$
 $olvi4^* \ 0.0 \ 1.0 \ 0.82 \ 0.5$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.18 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 52.01 \ 28.42 \ 9.12$
 $LAB^*TCha \ 52.01 \ -28.42 \ 9.12$
 $LAB^*TCha \ 25.0 \ 29.86 \ 162.22$

relative CIELAB lab*
 $lab^*lab \ 0.439 \ -0.475 \ 0.153$
 $lab^*tch \ 0.25 \ 0.5 \ 0.451$
 $lab^*nch \ 0.5 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.439 \ -0.459 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.5$
 $lab^*nce \ 0.5 \ 0.5 \ 0.998$

$n^* = 0,25$

relative Inform. Technology (IT)

$olvi3^* \ 0.0 \ 0.25 \ 0.06 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.25 \ 0.34 \ (0.0)$
 $olvi4^* \ 0.0 \ 1.0 \ 0.86 \ 0.25$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.09 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

$n^* = 0,00$

relative Inform. Technology (IT)

$olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

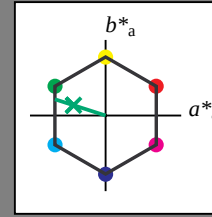
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.25 \ 0.06 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.25 \ 0.34 \ (0.0)$
 $olvi4^* \ 0.0 \ 1.0 \ 0.86 \ 0.25$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.09 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

$n^* = 1,0$

relative Inform. Technology (IT)

$olvi3^* \ 0.0 \ 0.5 \ 0.32 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.5 \ 0.68 \ (0.0)$
 $olvi4^* \ 0.0 \ 1.0 \ 0.82 \ 0.5$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.18 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 52.01 \ 28.42 \ 9.12$
 $LAB^*TCha \ 52.01 \ -28.42 \ 9.12$
 $LAB^*TCha \ 25.0 \ 29.86 \ 162.22$

relative CIELAB lab*
 $lab^*lab \ 0.439 \ -0.475 \ 0.153$
 $lab^*tch \ 0.25 \ 0.5 \ 0.451$
 $lab^*nch \ 0.5 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.439 \ -0.459 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.5$
 $lab^*nce \ 0.5 \ 0.5 \ 0.998$

$n^* = 0,50$

relative Inform. Technology (IT)

$olvi3^* \ 0.0 \ 0.25 \ 0.06 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.25 \ 0.34 \ (0.0)$
 $olvi4^* \ 0.0 \ 1.0 \ 0.86 \ 0.25$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.09 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

$n^* = 0,25$

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

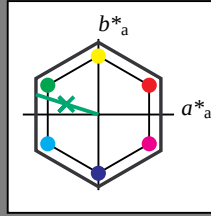
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 71.57 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 47.72 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 23.87 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 1.0 \ 0.611 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.0 \ 0.389 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.806 \ 1.0$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.389 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 67.14 \ -41.29 \ 13.24$
 $LAB^*TCha \ 67.14 \ -41.29 \ 13.24$

relative CIELAB lab*
 $lab^*lab \ 0.852 \ -0.237 \ 0.076$
 $lab^*tch \ 0.875 \ 0.25 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.852 \ -0.249 \ 0.0$
 $lab^*tce \ 0.875 \ 0.25 \ 0.5$
 $lab^*nce \ 0.0 \ 0.25 \ 0.006$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.75 \ 0.556 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.444 \ (0.0)$
 $olvi4^* \ 0.75 \ 1.0 \ 0.806 \ 0.5$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.194 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 57.43 \ -20.65 \ 6.62$
 $LAB^*TCha \ 57.43 \ -20.65 \ 6.62$

relative CIELAB lab*
 $lab^*lab \ 0.602 \ -0.237 \ 0.076$
 $lab^*tch \ 0.625 \ 0.25 \ 0.451$
 $lab^*nch \ 0.25 \ 0.25 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.602 \ -0.249 \ 0.0$
 $lab^*tce \ 0.625 \ 0.25 \ 0.5$
 $lab^*nce \ 0.25 \ 0.25 \ 0.998$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.5 \ 0.306 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.5 \ 0.694 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 0.806 \ 0.5$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.194 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 33.58 \ -20.65 \ 6.62$
 $LAB^*TCha \ 33.58 \ -20.65 \ 6.62$

relative CIELAB lab*
 $lab^*lab \ 0.352 \ -0.237 \ 0.076$
 $lab^*tch \ 0.375 \ 0.25 \ 0.451$
 $lab^*nch \ 0.5 \ 0.25 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.352 \ -0.249 \ 0.0$
 $lab^*tce \ 0.375 \ 0.25 \ 0.5$
 $lab^*nce \ 0.5 \ 0.25 \ 0.998$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.5 \ 0.111 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.5 \ 0.889 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.611 \ 0.5$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.389 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 19.45 \ -41.29 \ 13.25$
 $LAB^*TCha \ 19.45 \ -41.29 \ 13.25$

relative CIELAB lab*
 $lab^*lab \ 0.204 \ -0.475 \ 0.153$
 $lab^*tch \ 0.25 \ 0.5 \ 0.451$
 $lab^*nch \ 0.5 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.204 \ -0.489 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.5$
 $lab^*nce \ 0.5 \ 0.5 \ 0.998$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

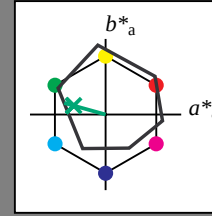
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ -0.86 \ 4.75$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.06 \ -0.61 \ 3.44$
 $LAB^*TCha \ 76.06 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.71 \ 0.24 \ 2.14$
 $LAB^*TCha \ 56.71 \ 0.24 \ 2.14$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.36 \ 0.13 \ 0.83$
 $LAB^*TCha \ 37.36 \ 0.13 \ 0.83$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.02 \ 0.5 \ -0.47$
 $LAB^*TCha \ 18.02 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 1.0 \ 0.623 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.0 \ 0.377 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.812 \ 1.0$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.377 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 74.1 \ -27.98 \ 10.94$
 $LAB^*TCha \ 74.1 \ -27.98 \ 10.94$

relative CIELAB lab*
 $lab^*lab \ 0.725 \ -0.481 \ 0.134$
 $lab^*tch \ 0.75 \ 0.25 \ 0.457$
 $lab^*nch \ 0.0 \ 0.5 \ 0.457$
 relative Natural Colour (NC)
 $lab^*trj \ 0.725 \ -0.489 \ 0.0$
 $lab^*tce \ 0.75 \ 0.25 \ 0.5$
 $lab^*nce \ 0.0 \ 0.5 \ 0.006$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.75 \ 0.562 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.438 \ (0.0)$
 $olvi4^* \ 0.75 \ 1.0 \ 0.812 \ 0.75$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.188 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 65.41 \ -14.11 \ 6.55$
 $LAB^*TCha \ 65.41 \ -14.11 \ 6.55$

relative CIELAB lab*
 $lab^*lab \ 0.612 \ -0.24 \ 0.067$
 $lab^*tch \ 0.625 \ 0.25 \ 0.457$
 $lab^*nch \ 0.25 \ 0.25 \ 0.457$
 relative Natural Colour (NC)
 $lab^*trj \ 0.612 \ -0.249 \ 0.0$
 $lab^*tce \ 0.625 \ 0.25 \ 0.5$
 $lab^*nce \ 0.25 \ 0.25 \ 0.998$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.5 \ 0.312 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.5 \ 0.688 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 0.812 \ 0.5$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.188 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 46.06 \ -13.74 \ 5.24$
 $LAB^*TCha \ 46.06 \ -13.74 \ 5.24$

relative CIELAB lab*
 $lab^*lab \ 0.475 \ -0.481 \ 0.134$
 $lab^*tch \ 0.475 \ 0.25 \ 0.457$
 $lab^*nch \ 0.25 \ 0.5 \ 0.457$
 relative Natural Colour (NC)
 $lab^*trj \ 0.475 \ -0.489 \ 0.0$
 $lab^*tce \ 0.475 \ 0.25 \ 0.5$
 $lab^*nce \ 0.25 \ 0.5 \ 0.998$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.5 \ 0.123 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.5 \ 0.877 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.623 \ 0.5$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.377 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 35.41 \ -27.24 \ 8.34$
 $LAB^*TCha \ 35.41 \ -27.24 \ 8.34$

relative CIELAB lab*
 $lab^*lab \ 0.225 \ -0.481 \ 0.134$
 $lab^*tch \ 0.25 \ 0.5 \ 0.457$
 $lab^*nch \ 0.5 \ 0.5 \ 0.457$
 relative Natural Colour (NC)
 $lab^*trj \ 0.225 \ -0.489 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.5$
 $lab^*nce \ 0.5 \ 0.5 \ 0.998$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

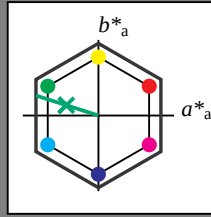
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.611 (1.0)
cmyn3* 0.5 0.0 0.389 (0.0)
olvi4* 0.5 1.0 0.611 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 67.14 -41.29 13.24
LAB*LABa 67.14 -41.29 13.24
LAB*LABb 75.0 43.37 162.23

relative CIELAB lab*
lab*lab 0.852 -0.237 0.076
lab*tch 0.875 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.852 -0.249 0.0
lab*tce 0.875 0.25 0.5
lab*nce 0.0 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.536 (1.0)
cmyn3* 0.5 0.25 0.444 (0.0)
olvi4* 0.5 0.75 0.536 (1.0)
cmyn4* 0.5 0.25 0.444 (0.0)
standard and adapted CIELAB
LAB*LAB 57.43 -20.65 6.62
LAB*LABa 57.43 -20.65 6.62
LAB*LABb 75.0 43.37 162.23

relative CIELAB lab*
lab*lab 0.602 -0.237 0.076
lab*tch 0.625 0.25 0.451
lab*nch 0.25 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.602 -0.249 0.0
lab*tce 0.625 0.25 0.5
lab*nce 0.25 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.361 (1.0)
cmyn3* 0.75 0.25 0.639 (0.0)
olvi4* 0.5 1.0 0.611 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 43.3 -41.3 13.24
LAB*LABa 43.3 -41.3 13.24
LAB*LABb 50.0 43.37 162.23

relative CIELAB lab*
lab*lab 0.454 -0.475 0.153
lab*tch 0.454 -0.475 0.153
lab*nch 0.25 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.454 -0.489 0.0
lab*tce 0.5 0.5 0.5
lab*nce 0.25 0.5 0.006

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.111 (1.0)
cmyn3* 1.0 0.5 0.889 (0.0)
olvi4* 0.5 1.0 0.611 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 19.45 -41.29 13.25
LAB*LABa 19.45 -41.29 13.25
LAB*LABb 25.01 43.37 162.21

relative CIELAB lab*
lab*lab 0.204 -0.475 0.153
lab*tch 0.25 0.5 0.451
lab*nch 0.5 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.204 -0.489 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.5 0.5 0.006

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

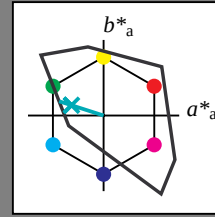
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.913 (1.0)
cmyn3* 0.25 0.0 0.087 (0.0)
olvi4* 1.0 1.0 0.913 (1.0)
cmyn4* 0.25 0.0 0.087 (0.0)
standard and adapted CIELAB
LAB*LAB 90.57 -29.42 9.43
LAB*LABa 90.57 -29.42 9.43
LAB*LABb 12.15 15.45 162.24

relative CIELAB lab*
lab*lab 0.975 -0.237 0.076
lab*tch 0.875 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.975 -0.249 0.0
lab*tce 0.875 0.25 0.5
lab*nce 0.0 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.826 (1.0)
cmyn3* 0.5 0.0 0.174 (0.0)
olvi4* 0.5 1.0 0.826 (1.0)
cmyn4* 0.5 0.0 0.173 (0.0)
standard and adapted CIELAB
LAB*LAB 90.57 -29.42 9.43
LAB*LABa 90.57 -29.42 9.43
LAB*LABb 12.15 15.45 162.23

relative CIELAB lab*
lab*lab 0.949 -0.475 0.153
lab*tch 0.75 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.949 -0.489 0.0
lab*tce 0.75 0.25 0.5
lab*nce 0.0 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.576 (1.0)
cmyn3* 0.75 0.25 0.424 (0.0)
olvi4* 0.5 1.0 0.826 (1.0)
cmyn4* 0.5 0.0 0.174 (0.0)
standard and adapted CIELAB
LAB*LAB 66.73 -29.42 9.44
LAB*LABa 66.73 -29.42 9.44
LAB*LABb 12.15 15.45 162.22

relative CIELAB lab*
lab*lab 0.699 -0.475 0.153
lab*tch 0.625 0.25 0.451
lab*nch 0.25 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.699 -0.489 0.0
lab*tce 0.625 0.25 0.5
lab*nce 0.25 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.326 (1.0)
cmyn3* 1.0 0.5 0.674 (0.0)
olvi4* 0.5 1.0 0.826 (1.0)
cmyn4* 0.5 0.0 0.174 (0.0)
standard and adapted CIELAB
LAB*LAB 42.88 -29.42 9.44
LAB*LABa 42.88 -29.42 9.44
LAB*LABb 12.15 15.45 162.22

relative CIELAB lab*
lab*lab 0.449 -0.475 0.153
lab*tch 0.25 0.5 0.451
lab*nch 0.5 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.449 -0.489 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.5 0.5 0.006

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

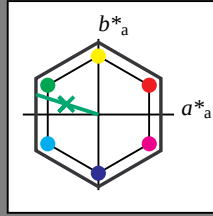
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.00 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.00 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.00 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 165/360 = 0.458$

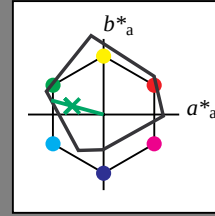
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.11 2.58
LAB*LABa 96.31 0.11 2.58
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 0.44 2.45
LAB*LABa 76.38 0.44 2.45
LAB*LABb 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 0.76 2.32
LAB*LABa 56.44 0.76 2.32
LAB*LABb 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 1.09 2.19
LAB*LABa 36.5 1.09 2.19
LAB*LABb 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 1.41 2.06
LAB*LABa 16.57 1.41 2.06
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.788 (1.0)
cmyn3* 0.25 0.0 0.212 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.212 (0.0)
standard and adapted CIELAB
LAB*LAB 84.48 17.6 7.21
LAB*LABa 84.48 17.6 7.21
LAB*LABb 87.5 17.93 164.8

relative CIELAB lab*
lab*lab 0.852 -0.24 0.066
lab*tch 0.875 0.25 0.458
lab*nch 0.0 0.0 0.25 0.458
relative Natural Colour (NC)
lab*trj 0.852 -0.249 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.0 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.538 (1.0)
cmyn3* 0.5 0.25 0.462 (0.0)
olvi4* 1.0 1.0 0.788 0.75
cmyn4* 0.25 0.0 0.212 0.25
standard and adapted CIELAB
LAB*LAB 64.55 17.93 7.08
LAB*LABa 64.55 17.93 7.08
LAB*LABb 62.5 17.93 164.8

relative CIELAB lab*
lab*lab 0.602 -0.24 0.066
lab*tch 0.625 0.25 0.458
lab*nch 0.25 0.25 0.458
relative Natural Colour (NC)
lab*trj 0.602 -0.249 0.0
lab*tce 0.625 0.25 0.5
lab*nce 0.25 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.288 (1.0)
cmyn3* 0.75 0.5 0.712 (0.0)
olvi4* 1.0 1.0 0.788 0.5
cmyn4* 0.25 0.0 0.212 0.5
standard and adapted CIELAB
LAB*LAB 52.72 34.43 11.71
LAB*LABa 52.72 34.43 11.71
LAB*LABb 50.0 35.87 164.8

relative CIELAB lab*
lab*lab 0.453 -0.482 0.131
lab*tch 0.5 0.5 0.458
lab*nch 0.25 0.5 0.458
relative Natural Colour (NC)
lab*trj 0.453 -0.489 0.0
lab*tce 0.5 0.5 0.5
lab*nce 0.25 0.5 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.076 (1.0)
cmyn3* 1.0 0.5 0.924 (0.0)
olvi4* 0.5 1.0 0.576 0.5
cmyn4* 0.5 0.0 0.424 0.5
standard and adapted CIELAB
LAB*LAB 32.79 35.75 11.58
LAB*LABa 32.79 35.75 11.58
LAB*LABb 25.01 35.87 164.79

relative CIELAB lab*
lab*lab 0.203 -0.481 0.131
lab*tch 0.25 0.5 0.458
lab*nch 0.5 0.5 0.458
relative Natural Colour (NC)
lab*trj 0.203 -0.489 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.5 0.5 0.998

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 165/360 = 0.458 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

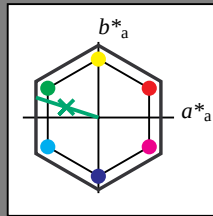
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

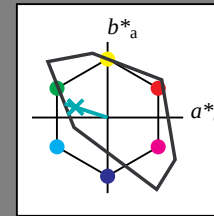
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCh \ 99.99 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ 1.0$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCh \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ 1.0$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCh \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ 1.0$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCh \ 25.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCh \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 1.0 \ 0.806 \ 1.0$
 $cmyn3^* \ 0.25 \ 0.0 \ 0.194 \ 0.0$
 $olvi4^* \ 0.75 \ 1.0 \ 0.806 \ 1.0$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.194 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 81.27 \ -20.64 \ 6.62$
 $LAB^*TCh \ 81.27 \ -20.64 \ 6.62$

relative CIELAB lab*
 $lab^*lab \ 0.852 \ -0.237 \ 0.076$
 $lab^*tch \ 0.875 \ 0.25 \ 0.451$
 $lab^*nch \ 0.0 \ 0.25 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.852 \ -0.249 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.5$
 $lab^*nce \ 0.0 \ 0.25 \ 0.006$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 1.0 \ 0.611 \ 1.0$
 $cmyn3^* \ 0.5 \ 0.0 \ 0.389 \ 0.0$
 $olvi4^* \ 0.5 \ 1.0 \ 0.611 \ 0.5$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.389 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 67.14 \ -41.29 \ 13.24$
 $LAB^*TCh \ 75.0 \ 43.37 \ 162.23$

relative CIELAB lab*
 $lab^*lab \ 0.704 \ -0.475 \ 0.153$
 $lab^*tch \ 0.75 \ 0.5 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.704 \ -0.489 \ 0.0$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5$
 $lab^*nce \ 0.0 \ 0.5 \ 0.006$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.75 \ 0.361 \ 1.0$
 $cmyn3^* \ 0.75 \ 0.25 \ 0.639 \ 0.0$
 $olvi4^* \ 0.5 \ 1.0 \ 0.611 \ 0.75$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.389 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 43.3 \ -41.3 \ 13.24$
 $LAB^*TCh \ 50.0 \ 43.38 \ 162.22$

relative CIELAB lab*
 $lab^*lab \ 0.602 \ -0.237 \ 0.076$
 $lab^*tch \ 0.625 \ 0.25 \ 0.451$
 $lab^*nch \ 0.25 \ 0.25 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.602 \ -0.249 \ 0.0$
 $lab^*tce \ 0.625 \ 0.25 \ 0.5$
 $lab^*nce \ 0.25 \ 0.25 \ 0.998$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.5 \ 0.306 \ 1.0$
 $cmyn3^* \ 0.75 \ 0.5 \ 0.694 \ 0.0$
 $olvi4^* \ 0.75 \ 1.0 \ 0.806 \ 0.5$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.194 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 33.58 \ -20.65 \ 6.62$
 $LAB^*TCh \ 33.58 \ -20.65 \ 6.62$

relative CIELAB lab*
 $lab^*lab \ 0.352 \ -0.237 \ 0.076$
 $lab^*tch \ 0.375 \ 0.25 \ 0.451$
 $lab^*nch \ 0.5 \ 0.25 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.352 \ -0.249 \ 0.0$
 $lab^*tce \ 0.375 \ 0.25 \ 0.5$
 $lab^*nce \ 0.5 \ 0.25 \ 0.998$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.25 \ 0.056 \ 1.0$
 $cmyn3^* \ 1.0 \ 0.75 \ 0.344 \ 0.0$
 $olvi4^* \ 0.75 \ 1.0 \ 0.806 \ 0.25$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.194 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 9.73 \ -20.64 \ 6.63$
 $LAB^*TCh \ 12.5 \ 21.68 \ 162.21$

relative CIELAB lab*
 $lab^*lab \ 0.102 \ -0.237 \ 0.076$
 $lab^*tch \ 0.125 \ 0.25 \ 0.451$
 $lab^*nch \ 0.75 \ 0.25 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.102 \ -0.249 \ 0.0$
 $lab^*tce \ 0.125 \ 0.25 \ 0.5$
 $lab^*nce \ 0.75 \ 0.25 \ 0.998$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

$n^* = 0,00$

chromaticness c^*

0,25

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,00$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 $cmyn3^* \ 1.0 \ 0.0 \ 0.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCh \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ 1.0$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCh \ 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ 1.0$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCh \ 50.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ 1.0$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCh \ 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCh \ 0.01 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 1,00$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

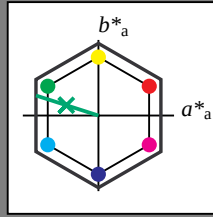
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ 0.75$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ 0.25$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ 0.5$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ 0.5$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ 0.25$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ 0.75$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 1.0 \ 0.611 \ 0.10$
 $cmyn3^* \ 0.5 \ 0.0 \ 0.389 \ 0.0$
 $olvi4^* \ 0.5 \ 1.0 \ 0.806 \ 1.0$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.389 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 67.14 \ -41.29 \ 13.24$
 $LAB^*TCha \ 75.0 \ 43.37 \ 162.23$

relative CIELAB lab*
 $lab^*lab \ 0.852 \ -0.237 \ 0.076$
 $lab^*tch \ 0.875 \ 0.25 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.852 \ -0.249 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.5$
 $lab^*nce \ 0.0 \ 0.25 \ 0.006$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.75 \ 0.536 \ 0.10$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.444 \ 0.0$
 $olvi4^* \ 0.5 \ 1.0 \ 0.806 \ 0.75$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.194 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 57.43 \ -20.65 \ 6.62$
 $LAB^*TCha \ 50.0 \ 43.38 \ 162.22$

relative CIELAB lab*
 $lab^*lab \ 0.602 \ -0.237 \ 0.076$
 $lab^*tch \ 0.625 \ 0.25 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.602 \ -0.249 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.5$
 $lab^*nce \ 0.0 \ 0.25 \ 0.006$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.75 \ 0.361 \ 0.10$
 $cmyn3^* \ 0.75 \ 0.25 \ 0.639 \ 0.0$
 $olvi4^* \ 0.5 \ 1.0 \ 0.611 \ 0.75$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.389 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 43.3 \ -41.3 \ 13.24$
 $LAB^*TCha \ 50.0 \ 43.38 \ 162.22$

relative CIELAB lab*
 $lab^*lab \ 0.454 \ -0.475 \ 0.153$
 $lab^*tch \ 0.475 \ 0.5 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.454 \ -0.489 \ 0.0$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5$
 $lab^*nce \ 0.25 \ 0.5 \ 0.006$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.5 \ 0.111 \ 0.10$
 $cmyn3^* \ 1.0 \ 0.5 \ 0.889 \ 0.0$
 $olvi4^* \ 0.5 \ 1.0 \ 0.611 \ 0.5$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.389 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 19.45 \ -41.29 \ 13.25$
 $LAB^*TCha \ 25.01 \ 43.37 \ 162.21$

relative CIELAB lab*
 $lab^*lab \ 0.204 \ -0.475 \ 0.153$
 $lab^*tch \ 0.25 \ 0.5 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.204 \ -0.489 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.5$
 $lab^*nce \ 0.5 \ 0.5 \ 0.006$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

1,00

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

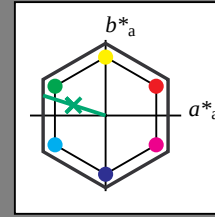
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ 0.75$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ 0.25$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ 0.5$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ 0.5$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ 0.25$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ 0.75$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 1.0 \ 0.611 \ 0.10$
 $cmyn3^* \ 0.5 \ 0.0 \ 0.389 \ 0.0$
 $olvi4^* \ 0.5 \ 1.0 \ 0.806 \ 1.0$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.389 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 67.14 \ -41.29 \ 13.24$
 $LAB^*TCha \ 75.0 \ 43.37 \ 162.23$

relative CIELAB lab*
 $lab^*lab \ 0.704 \ -0.475 \ 0.153$
 $lab^*tch \ 0.725 \ 0.5 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.704 \ -0.489 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.5$
 $lab^*nce \ 0.0 \ 0.25 \ 0.006$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.75 \ 0.536 \ 0.10$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.444 \ 0.0$
 $olvi4^* \ 0.5 \ 1.0 \ 0.806 \ 0.75$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.194 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 57.43 \ -20.65 \ 6.62$
 $LAB^*TCha \ 50.0 \ 43.38 \ 162.22$

relative CIELAB lab*
 $lab^*lab \ 0.602 \ -0.237 \ 0.076$
 $lab^*tch \ 0.625 \ 0.25 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.602 \ -0.249 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.5$
 $lab^*nce \ 0.0 \ 0.25 \ 0.006$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.75 \ 0.361 \ 0.10$
 $cmyn3^* \ 0.75 \ 0.25 \ 0.639 \ 0.0$
 $olvi4^* \ 0.5 \ 1.0 \ 0.611 \ 0.75$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.389 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 43.3 \ -41.3 \ 13.24$
 $LAB^*TCha \ 50.0 \ 43.38 \ 162.22$

relative CIELAB lab*
 $lab^*lab \ 0.454 \ -0.475 \ 0.153$
 $lab^*tch \ 0.475 \ 0.5 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.454 \ -0.489 \ 0.0$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5$
 $lab^*nce \ 0.25 \ 0.5 \ 0.006$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.5 \ 0.111 \ 0.10$
 $cmyn3^* \ 1.0 \ 0.5 \ 0.889 \ 0.0$
 $olvi4^* \ 0.5 \ 1.0 \ 0.611 \ 0.5$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.389 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 19.45 \ -41.29 \ 13.25$
 $LAB^*TCha \ 25.01 \ 43.37 \ 162.21$

relative CIELAB lab*
 $lab^*lab \ 0.204 \ -0.475 \ 0.153$
 $lab^*tch \ 0.25 \ 0.5 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.204 \ -0.489 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.5$
 $lab^*nce \ 0.5 \ 0.5 \ 0.006$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

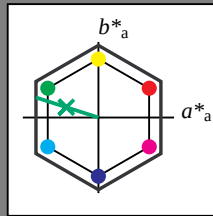
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.611 (1.0)
cmyn3* 0.5 0.0 0.389 (0.0)
olvi4* 0.5 1.0 0.611 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 67.14 -41.29 13.24
LAB*LABa 67.14 -41.29 13.24
LAB*TCHa 75.0 43.37 162.23

relative CIELAB lab*
lab*lab 0.852 -0.237 0.076
lab*tch 0.875 0.25 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.852 -0.249 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.0 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.536 (1.0)
cmyn3* 0.5 0.25 0.444 (0.0)
olvi4* 0.5 1.0 0.806 0.75
cmyn4* 0.25 0.0 0.194 0.25
standard and adapted CIELAB
LAB*LAB 57.43 -20.65 6.62
LAB*LABa 57.43 -20.65 6.62
LAB*TCHa 75.0 21.69 162.22

relative CIELAB lab*
lab*lab 0.602 -0.237 0.076
lab*tch 0.625 0.25 0.451
lab*nch 0.25 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.602 -0.249 0.0
lab*tce 0.625 0.25 0.5
lab*nce 0.25 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.306 (1.0)
cmyn3* 0.75 0.5 0.694 (0.0)
olvi4* 0.5 1.0 0.806 0.5
cmyn4* 0.25 0.0 0.194 0.5
standard and adapted CIELAB
LAB*LAB 33.58 -20.65 6.62
LAB*LABa 33.58 -20.65 6.62
LAB*TCHa 37.5 21.69 162.22

relative CIELAB lab*
lab*lab 0.352 -0.237 0.076
lab*tch 0.375 0.25 0.451
lab*nch 0.5 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.352 -0.249 0.0
lab*tce 0.375 0.25 0.5
lab*nce 0.5 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.036 (1.0)
cmyn3* 1.0 0.75 0.944 (0.0)
olvi4* 0.5 0.75 0.451
cmyn4* 0.5 0.0 0.389 0.5
standard and adapted CIELAB
LAB*LAB 19.45 -41.29 13.25
LAB*LABa 19.45 -41.29 13.25
LAB*TCHa 25.01 43.37 162.21

relative CIELAB lab*
lab*lab 0.102 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.998

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.417 (1.0)
cmyn3* 0.75 0.0 0.583 (0.0)
olvi4* 0.25 1.0 0.417 (1.0)
cmyn4* 0.75 0.0 0.583 (0.0)
standard and adapted CIELAB
LAB*LAB 33.01 -61.95 19.86
LAB*LABa 33.01 -61.95 19.86
LAB*TCHa 62.5 65.06 162.23

relative CIELAB lab*
lab*lab 0.556 -0.713 0.229
lab*tch 0.625 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*trj 0.556 -0.749 0.0
lab*tce 0.625 0.75 0.5
lab*nce 0.0 0.75 0.006

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.361 (1.0)
cmyn3* 0.75 0.25 0.639 (0.0)
olvi4* 0.5 1.0 0.611 0.75
cmyn4* 0.5 0.0 0.389 0.25
standard and adapted CIELAB
LAB*LAB 43.3 -41.3 13.24
LAB*LABa 43.3 -41.3 13.24
LAB*TCHa 50.0 43.38 162.22

relative CIELAB lab*
lab*lab 0.454 -0.475 0.153
lab*tch 0.475 0.5 0.451
lab*nch 0.25 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.454 -0.489 0.0
lab*tce 0.5 0.5 0.5
lab*nce 0.25 0.5 0.1008

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.111 (1.0)
cmyn3* 1.0 0.5 0.889 (0.0)
olvi4* 0.5 1.0 0.611 0.5
cmyn4* 0.5 0.0 0.389 0.5
standard and adapted CIELAB
LAB*LAB 19.45 -41.29 13.25
LAB*LABa 19.45 -41.29 13.25
LAB*TCHa 25.01 43.37 162.21

relative CIELAB lab*
lab*lab 0.204 -0.475 0.153
lab*tch 0.25 0.5 0.451
lab*nch 0.5 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.204 -0.489 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.5 0.5 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.036 (1.0)
cmyn3* 1.0 0.75 0.944 (0.0)
olvi4* 0.5 0.75 0.451
cmyn4* 0.5 0.0 0.389 0.5
standard and adapted CIELAB
LAB*LAB 19.45 -41.29 13.25
LAB*LABa 19.45 -41.29 13.25
LAB*TCHa 25.01 43.37 162.21

relative CIELAB lab*
lab*lab 0.102 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.998

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

$n^* = 5,25$

$n^* = 5,50$

$n^* = 5,75$

$n^* = 6,00$

$n^* = 6,25$

$n^* = 6,50$

$n^* = 6,75$

$n^* = 7,00$

$n^* = 7,25$

$n^* = 7,50$

$n^* = 7,75$

$n^* = 8,00$

$n^* = 8,25$

$n^* = 8,50$

$n^* = 8,75$

$n^* = 9,00$

$n^* = 9,25$

$n^* = 9,50$

$n^* = 9,75$

$n^* = 10,00$

$n^* = 10,25$

$n^* = 10,50$

$n^* = 10,75$

$n^* = 11,00$

$n^* = 11,25$

$n^* = 11,50$

$n^* = 11,75$

$n^* = 12,00$

$n^* = 12,25$

$n^* = 12,50$

$n^* = 12,75$

$n^* = 13,00$

$n^* = 13,25$

$n^* = 13,50$

$n^* = 13,75$

$n^* = 14,00$

$n^* = 14,25$

$n^* = 14,50$

$n^* = 14,75$

$n^* = 15,00$

$n^* = 15,25$

$n^* = 15,50$

$n^* = 15,75$

$n^* = 16,00$

$n^* = 16,25$

$n^* = 16,50$

$n^* = 16,75$

$n^* = 17,00$

$n^* = 17,25$

$n^* = 17,50$

$n^* = 17,75$

$n^* = 18,00$

$n^* = 18,25$

$n^* = 18,50$

$n^* = 18,75$

$n^* = 19,00$

$n^* = 19,25$

$n^* = 19,50$

$n^* = 19,75$

$n^* = 20,00$

$n^* = 20,25$

$n^* = 20,50$

$n^* = 20,75$

$n^* = 21,00$

$n^* = 21,25$

$n^* = 21,50$

$n^* = 21,75$

$n^* = 22,00$

$n^* = 22,25$

$n^* = 22,50$

$n^* = 22,75$

$n^* = 23,00$

$n^* = 23,25$

$n^* = 23,50$

$n^* = 23,75$

$n^* = 24,00$

$n^* = 24,25$

$n^* = 24,50$

$n^* = 24,75$

$n^* = 25,00$

$n^* = 25,25$

$n^* = 25,50$

$n^* = 25,75$

$n^* = 26,00$

$n^* = 26,25$

$n^* = 26,50$

$n^* = 26,75$

$n^* = 27,00$

$n^* = 27,25$

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

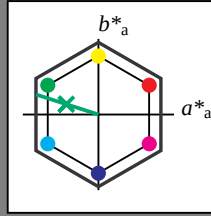
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.611 (1.0)
cmyn3* 0.5 0.0 0.389 (0.0)
olvi4* 0.5 1.0 0.806 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 67.14 -41.29 13.24
LAB*LABa 67.14 -41.29 13.24
LAB*TCHa 75.0 43.37 162.23

relative CIELAB lab*
lab*lab 0.852 -0.237 0.076
lab*tch 0.875 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.852 -0.249 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.0 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.536 (1.0)
cmyn3* 0.5 0.25 0.444 (0.0)
olvi4* 0.5 1.0 0.806 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 57.43 -20.65 6.62
LAB*LABa 57.43 -20.65 6.62
LAB*TCHa 75.0 21.69 162.22

relative CIELAB lab*
lab*lab 0.602 -0.237 0.076
lab*tch 0.625 0.25 0.451
lab*nch 0.25 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.602 -0.249 0.0
lab*tce 0.625 0.25 0.5
lab*nce 0.25 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.36 (1.0)
cmyn3* 0.75 0.5 0.634 (0.0)
olvi4* 0.5 1.0 0.806 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 33.58 -20.65 6.62
LAB*LABa 33.58 -20.65 6.62
LAB*TCHa 50.0 43.38 162.22

relative CIELAB lab*
lab*lab 0.352 -0.237 0.076
lab*tch 0.375 0.25 0.451
lab*nch 0.5 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.352 -0.249 0.0
lab*tce 0.375 0.25 0.5
lab*nce 0.5 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.036 (1.0)
cmyn3* 1.0 0.75 0.944 (0.0)
olvi4* 0.75 1.0 0.806 (0.25)
cmyn4* 0.25 0.0 0.194 (0.75)
standard and adapted CIELAB
LAB*LAB 9.73 -20.64 6.63
LAB*LABa 9.73 -20.64 6.63
LAB*TCHa 12.5 21.68 162.21

relative CIELAB lab*
lab*lab 0.102 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.998

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.417 (1.0)
cmyn3* 0.75 0.0 0.583 (0.0)
olvi4* 0.25 1.0 0.806 (0.75)
cmyn4* 0.75 0.0 0.583 (0.0)
standard and adapted CIELAB
LAB*LAB 53.01 -61.95 19.86
LAB*LABa 53.01 -61.95 19.86
LAB*TCHa 62.5 65.06 162.23

relative CIELAB lab*
lab*lab 0.556 -0.713 0.229
lab*tch 0.625 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*trj 0.556 -0.749 0.0
lab*tce 0.625 0.75 0.5
lab*nce 0.0 0.75 0.006

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.361 (1.0)
cmyn3* 0.75 0.25 0.639 (0.0)
olvi4* 0.5 1.0 0.811 (0.75)
cmyn4* 0.5 0.0 0.389 (0.25)
standard and adapted CIELAB
LAB*LAB 43.3 -41.3 13.24
LAB*LABa 43.3 -41.3 13.24
LAB*TCHa 50.0 43.38 162.22

relative CIELAB lab*
lab*lab 0.454 -0.713 0.153
lab*tch 0.477 0.75 0.451
lab*nch 0.25 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.454 -0.749 0.0
lab*tce 0.477 0.75 0.5
lab*nce 0.25 0.5 0.1008

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.111 (1.0)
cmyn3* 1.0 0.5 0.889 (0.0)
olvi4* 0.5 1.0 0.811 (0.5)
cmyn4* 0.5 0.0 0.389 (0.5)
standard and adapted CIELAB
LAB*LAB 19.45 -41.29 13.25
LAB*LABa 19.45 -41.29 13.25
LAB*TCHa 25.01 43.37 162.21

relative CIELAB lab*
lab*lab 0.204 -0.713 0.153
lab*tch 0.25 0.5 0.451
lab*nch 0.5 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.204 -0.749 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.5 0.5 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.036 (1.0)
cmyn3* 1.0 0.75 0.944 (0.0)
olvi4* 0.75 1.0 0.806 (0.25)
cmyn4* 0.25 0.0 0.194 (0.75)
standard and adapted CIELAB
LAB*LAB 9.73 -20.64 6.63
LAB*LABa 9.73 -20.64 6.63
LAB*TCHa 12.5 21.68 162.21

relative CIELAB lab*
lab*lab 0.102 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.998

$n^* = 0,25$

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.036 (1.0)
cmyn3* 1.0 0.75 0.944 (0.0)
olvi4* 0.75 1.0 0.806 (0.25)
cmyn4* 0.25 0.0 0.194 (0.75)
standard and adapted CIELAB
LAB*LAB 9.73 -20.64 6.63
LAB*LABa 9.73 -20.64 6.63
LAB*TCHa 12.5 21.68 162.21

relative CIELAB lab*
lab*lab 0.102 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.036 (1.0)
cmyn3* 1.0 0.75 0.944 (0.0)
olvi4* 0.75 1.0 0.806 (0.25)
cmyn4* 0.25 0.0 0.194 (0.75)
standard and adapted CIELAB
LAB*LAB 9.73 -20.64 6.63
LAB*LABa 9.73 -20.64 6.63
LAB*TCHa 12.5 21.68 162.21

relative CIELAB lab*
lab*lab 0.102 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.036 (1.0)
cmyn3* 1.0 0.75 0.944 (0.0)
olvi4* 0.75 1.0 0.806 (0.25)
cmyn4* 0.25 0.0 0.194 (0.75)
standard and adapted CIELAB
LAB*LAB 9.73 -20.64 6.63
LAB*LABa 9.73 -20.64 6.63
LAB*TCHa 12.5 21.68 162.21

relative CIELAB lab*
lab*lab 0.102 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.036 (1.0)
cmyn3* 1.0 0.75 0.944 (0.0)
olvi4* 0.75 1.0 0.806 (0.25)
cmyn4* 0.25 0.0 0.194 (0.75)
standard and adapted CIELAB
LAB*LAB 9.73 -20.64 6.63
LAB*LABa 9.73 -20.64 6.63
LAB*TCHa 12.5 21.68 162.21

relative CIELAB lab*
lab*lab 0.102 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.998

$n^* = 0,00$

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

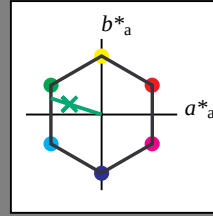
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.72 0.0 0.0
LAB*LABa 46.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.036 (1.0)
cmyn3* 1.0 0.75 0.944 (0.0)
olvi4* 0.75 1.0 0.806 (0.25)
cmyn4* 0.25 0.0 0.194 (0.75)
standard and adapted CIELAB
LAB*LAB 9.73 -20.64 6.63
LAB*LABa 9.73 -20.64 6.63
LAB*TCHa 12.5 21.68 162.21

relative CIELAB lab*
lab*lab 0.102 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.998

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.611 (1.0)
cmyn3* 0.5 0.0 0.389 (0.0)
olvi4* 0.5 1.0 0.806 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -33.5 10.74
LAB*LABa 76.06 -33.5 10.74
LAB*TCHa 75.0 35.19 162.23

relative CIELAB lab*
lab*lab 0.75 -0.475 0.153
lab*tch 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.75 -0.489 0.0
lab*tce 0.75 0.5 0.5
lab*nce 0.0 0.5 0.006

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.536 (1.0)
cmyn3* 0.5 0.25 0.444 (0.0)
olvi4*

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

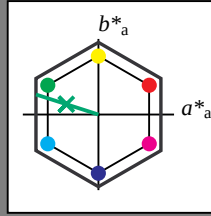
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



% Gamut

$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.611 (1.0)
cmyn3* 0.5 0.0 0.389 (0.0)
olvi4* 0.5 1.0 0.806 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 67.14 -41.29 13.24
LAB*LABa 67.14 -41.29 13.24
LAB*TCHa 75.0 43.37 162.23

relative CIELAB lab*
lab*lab 0.852 -0.237 0.076
lab*tch 0.875 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.852 -0.249 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.0 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.536 (1.0)
cmyn3* 0.5 0.25 0.444 (0.0)
olvi4* 0.5 1.0 0.806 (1.0)
cmyn4* 0.5 0.0 0.194 (0.0)
standard and adapted CIELAB
LAB*LAB 57.43 -20.65 6.62
LAB*LABa 57.43 -20.65 6.62
LAB*TCHa 75.0 21.69 162.22

relative CIELAB lab*
lab*lab 0.602 -0.237 0.076
lab*tch 0.625 0.25 0.451
lab*nch 0.25 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.602 -0.249 0.0
lab*tce 0.625 0.25 0.5
lab*nce 0.25 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.306 (1.0)
cmyn3* 0.75 0.5 0.694 (0.0)
olvi4* 0.5 1.0 0.806 (1.0)
cmyn4* 0.25 0.0 0.194 (0.0)
standard and adapted CIELAB
LAB*LAB 33.58 -20.65 6.62
LAB*LABa 33.58 -20.65 6.62
LAB*TCHa 50.0 43.38 162.22

relative CIELAB lab*
lab*lab 0.352 -0.237 0.076
lab*tch 0.375 0.25 0.451
lab*nch 0.5 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.352 -0.249 0.0
lab*tce 0.375 0.25 0.5
lab*nce 0.5 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.036 (1.0)
cmyn3* 1.0 0.75 0.344 (0.0)
olvi4* 0.5 1.0 0.806 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 19.45 -41.29 13.25
LAB*LABa 19.45 -41.29 13.25
LAB*TCHa 25.01 43.37 162.21

relative CIELAB lab*
lab*lab 0.102 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.998

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.417 (1.0)
cmyn3* 0.75 0.0 0.583 (0.0)
olvi4* 0.25 1.0 0.806 (1.0)
cmyn4* 0.75 0.0 0.583 (0.0)
standard and adapted CIELAB
LAB*LAB 33.01 -61.95 19.86
LAB*LABa 33.01 -61.95 19.86
LAB*TCHa 62.5 65.06 162.23

relative CIELAB lab*
lab*lab 0.556 -0.713 0.229
lab*tch 0.625 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*trj 0.556 -0.740 0.0
lab*tce 0.625 0.75 0.5
lab*nce 0.0 0.75 0.006

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.361 (1.0)
cmyn3* 0.75 0.25 0.639 (0.0)
olvi4* 0.5 1.0 0.806 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 43.3 -41.3 13.24
LAB*LABa 43.3 -41.3 13.24
LAB*TCHa 50.0 43.38 162.22

relative CIELAB lab*
lab*lab 0.454 -0.713 0.153
lab*tch 0.454 -0.713 0.153
lab*nch 0.25 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.454 -0.740 0.0
lab*tce 0.5 0.5 0.5
lab*nce 0.25 0.5 0.1008

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.167 (1.0)
cmyn3* 1.0 0.25 0.833 (0.0)
olvi4* 0.25 1.0 0.806 (1.0)
cmyn4* 0.75 0.0 0.583 (0.0)
standard and adapted CIELAB
LAB*LAB 29.17 -61.95 19.87
LAB*LABa 29.17 -61.95 19.87
LAB*TCHa 37.51 65.07 162.22

relative CIELAB lab*
lab*lab 0.306 -0.713 0.229
lab*tch 0.375 0.75 0.451
lab*nch 0.25 0.75 0.451
relative Natural Colour (NC)
lab*trj 0.306 -0.740 0.0
lab*tce 0.375 0.75 0.5
lab*nce 0.25 0.75 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.111 (1.0)
cmyn3* 1.0 0.5 0.889 (0.0)
olvi4* 0.5 1.0 0.806 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 19.45 -41.29 13.25
LAB*LABa 19.45 -41.29 13.25
LAB*TCHa 25.01 43.37 162.21

relative CIELAB lab*
lab*lab 0.204 -0.713 0.153
lab*tch 0.25 0.5 0.451
lab*nch 0.5 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.204 -0.740 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.5 0.5 0.998

$n^* = 0,25$

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.036 (1.0)
cmyn3* 1.0 0.75 0.344 (0.0)
olvi4* 0.5 1.0 0.806 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 19.45 -41.29 13.25
LAB*LABa 19.45 -41.29 13.25
LAB*TCHa 25.01 43.37 162.21

relative CIELAB lab*
lab*lab 0.102 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.036 (1.0)
cmyn3* 1.0 0.75 0.344 (0.0)
olvi4* 0.5 1.0 0.806 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 19.45 -41.29 13.25
LAB*LABa 19.45 -41.29 13.25
LAB*TCHa 25.01 43.37 162.21

relative CIELAB lab*
lab*lab 0.102 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.036 (1.0)
cmyn3* 1.0 0.75 0.344 (0.0)
olvi4* 0.5 1.0 0.806 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 19.45 -41.29 13.25
LAB*LABa 19.45 -41.29 13.25
LAB*TCHa 25.01 43.37 162.21

relative CIELAB lab*
lab*lab 0.102 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.036 (1.0)
cmyn3* 1.0 0.75 0.344 (0.0)
olvi4* 0.5 1.0 0.806 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 19.45 -41.29 13.25
LAB*LABa 19.45 -41.29 13.25
LAB*TCHa 25.01 43.37 162.21

relative CIELAB lab*
lab*lab 0.102 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.998

$n^* = 0,00$

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

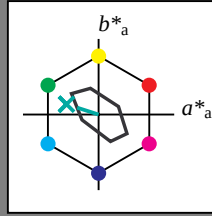
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.0 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.036 (1.0)
cmyn3* 1.0 0.75 0.344 (0.0)
olvi4* 0.5 1.0 0.806 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 19.45 -41.29 13.25
LAB*LABa 19.45 -41.29 13.25
LAB*TCHa 25.01 43.37 162.21

relative CIELAB lab*
lab*lab 0.102 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.998

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.883 (1.0)
cmyn3* 0.25 0.0 0.117 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.116 (0.0)
standard and adapted CIELAB
LAB*LAB 94.1 -7.09 2.28
LAB*LABa 94.1 -7.09 2.28
LAB*TCHa 87.5 7.46 162.24

relative CIELAB lab*
lab*lab 0.949 -0.237 0.076
lab*tch 0.875 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.949 -0.249 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.0 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.633 (1.0)
cmyn3* 0.5 0.25 0.367 (0

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

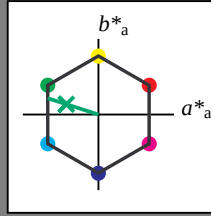
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	-	-	-	-	-	-	-
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-	-	-	-	-	-
lab*nce	0.0	0.0	-	-	-	-	-	-	-

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	76.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	-	-	-	-	-	-	-
relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-	-	-	-	-	-
lab*nce	0.25	0.0	-	-	-	-	-	-	-

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	56.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	-	-	-	-	-	-	-
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-	-	-	-	-	-
lab*nce	0.5	0.0	-	-	-	-	-	-	-

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	1.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.75	0.75	0.75	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	37.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	-	-	-	-	-	-	-
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-	-	-	-	-	-
lab*nce	0.25	0.0	-	-	-	-	-	-	-

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	18.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-	-	-	-	-	-
lab*nch	0.0	0.0	-	-	-	-	-	-	-
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-	-	-	-	-	-
lab*nce	0.0	0.0	-	-	-	-	-	-	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)									
olvi3*	0.75	1.0	0.806	1.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.25	0.0	0.194	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	0.75	1.0	0.806	1.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.25	0.0	0.194	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	83.94	16.74	5.37	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	83.94	16.74	5.37	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	87.5	17.59	162.23	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.852	-0.237	0.076	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.875	0.25	0.451	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.25	0.451	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.852	-0.249	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.875	0.25	0.5	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.25	0.006	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.75	0.536	1.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.5	0.25	0.444	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	0.75	1.0	0.806	1.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.25	0.0	0.194	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	64.59	16.75	5.37	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	64.59	16.75	5.37	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	62.5	17.6	162.22	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.602	-0.237	0.076	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.625	0.25	0.451	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.25	0.25	0.451	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.602	-0.249	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.625	0.25	0.5	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.25	0.006	0.0	0.0	0.0	0.0	0.0	0.0

relative CIELAB lab*			
lab*lab	0.352	-0.237	0.076
lab*tch	0.375	0.25	0.451
lab*mcH	0.5	0.25	0.451
relative Natural Colour (N)			
lab*N	0.375	0.25	0.5
lab*tce	0.375	0.25	0.5
lab*nce	0.5	0.25	0.99g
relative Inform. Technology (IT)			
olvi3*	0.0	0.25	0.056 (1.0)
cmyn3*	1.0	0.75	0.944 (0.0)
olvi4*	0.75	1.0	0.806 0.25
cmyn4*	0.25	0.0	0.194 0.75
standard and adapted CIELAB			
LAB*LAB	25.9	16.74	5.38
LAB*LABa	25.9	-16.74	3.8
LAB*TCHa	12.5	17.59	162.21

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

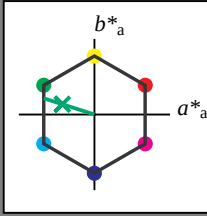
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	76.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.5	0.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	56.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.25	0.25	0.25	1.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.75	0.75	0.75	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	37.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)									
olvi3*	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	18.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-	-	-	-	-	-
relative CIELAB lab*									
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)									
olvi3*	0.5	1.0	0.611	1.0	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.5	0.0	0.389	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	0.5	1.0	0.611	0.5	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.5	0.0	0.389	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB									
LAB*LAB	72.48	33.5	10.74	0.0	0.0	0.0	0.0	0.0	0.0
LAB*LABa	72.48	33.5	10.74	0.0	0.0	0.0	0.0	0.0	0.0
LAB*TCRa	75.0	35.19	16.22	0.0	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*									
lab*lab	0.852	-0.237	0.076	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.875	0.25	0.451	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.5	0.451	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)									
lab*trj	0.852	-0.249	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.875	0.25	0.5	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.25	0.006	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.75	0.361	1.0
cmyn3*	0.75	0.25	0.639	0.0
olvi4*	0.5	1.0	0.611	0.75
cmyn4*	0.5	0.0	0.389	0.25
standard and adapted CIELAB				
LAB*LAB	53.13	33.5	10.75	0.0
LAB*LABa	53.13	33.5	10.75	0.0
LAB*TCRa	50.0	35.2	16.22	0.0
relative CIELAB lab*				
lab*lab	0.454	-0.475	0.153	0.0
lab*tch	0.5	0.5	0.451	0.0
lab*nc	0.25	0.5	0.451	0.0
relative Natural Colour (NC)				
lab*trj	0.454	-0.499	0.0	0.0
lab*trc	0.5	0.5	0.5	0.0
lab*ncC	0.25	0.5	1.000	0.0

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

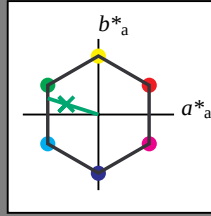
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

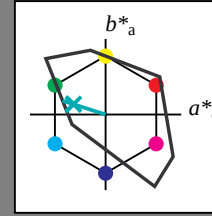
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness t^*



TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 64.59 16.75 5.37
LAB*LABa 64.59 16.75 5.37
LAB*TCRa 62.5 17.6 162.22

relative CIELAB lab*
lab*lab 0.602 -0.237 0.076
lab*tch 0.625 0.25 0.451
lab*nch 0.25 0.25 0.451

relative Natural Colour (NC)
lab*trj 0.602 -0.249 0.0
lab*tce 0.625 0.25 0.5
lab*nce 0.25 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.306 (1.0)
cmyn3* 0.75 0.5 0.306 (0.0)
olvi4* 1.0 0.5 0.306 (0.0)
cmyn4* 0.0 0.5 0.306 (0.0)

standard and adapted CIELAB
LAB*LAB 33.13 -33.5 10.75
LAB*LABa 33.13 -33.5 10.75
LAB*TCRa 35.0 35.2 162.22

relative CIELAB lab*
lab*lab 0.454 -0.475 0.153
lab*tch 0.454 -0.475 0.153
lab*nch 0.0 0.5 0.451

relative Natural Colour (NC)
lab*trj 0.454 -0.489 0.0
lab*tce 0.5 0.5 0.5
lab*nce 0.25 0.5 1.0008

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.111 (1.0)
cmyn3* 1.0 0.5 0.111 (0.0)
olvi4* 1.0 0.5 0.111 (0.0)
cmyn4* 0.0 0.5 0.111 (0.0)

standard and adapted CIELAB
LAB*LAB 33.78 -33.5 10.75
LAB*LABa 33.78 -33.5 10.75
LAB*TCRa 35.0 35.2 162.22

relative CIELAB lab*
lab*lab 0.204 -0.475 0.153
lab*tch 0.25 0.5 0.451
lab*nch 0.5 0.5 0.451

relative Natural Colour (NC)
lab*trj 0.204 -0.489 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.5 0.5 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.056 (1.0)
cmyn3* 1.0 0.25 0.056 (0.0)
olvi4* 1.0 0.25 0.056 (0.0)
cmyn4* 0.0 0.25 0.056 (0.0)

standard and adapted CIELAB
LAB*LAB 25.9 16.74 5.38
LAB*LABa 25.9 16.74 5.38
LAB*TCRa 12.5 17.59 162.21

relative CIELAB lab*
lab*lab 0.102 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451

relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.998

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.611 (1.0)
cmyn3* 0.5 0.0 0.389 (0.0)
olvi4* 0.5 1.0 0.611 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)

standard and adapted CIELAB
LAB*LAB 72.48 33.5 10.74
LAB*LABa 72.48 33.5 10.74
LAB*TCRa 75.0 35.19 162.23

relative CIELAB lab*
lab*lab 0.556 -0.713 0.229
lab*tch 0.625 0.75 0.451
lab*nch 0.0 0.75 0.451

relative Natural Colour (NC)
lab*trj 0.556 -0.749 0.0
lab*tce 0.625 0.75 0.5
lab*nce 0.0 0.75 0.9006

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.361 (1.0)
cmyn3* 0.75 0.25 0.361 (0.0)
olvi4* 1.0 0.5 0.361 (0.0)
cmyn4* 0.0 0.5 0.361 (0.0)

standard and adapted CIELAB
LAB*LAB 53.13 -33.5 10.75
LAB*LABa 53.13 -33.5 10.75
LAB*TCRa 50.0 35.2 162.22

relative CIELAB lab*
lab*lab 0.454 -0.475 0.153
lab*tch 0.454 -0.475 0.153
lab*nch 0.0 0.5 0.451

relative Natural Colour (NC)
lab*trj 0.454 -0.489 0.0
lab*tce 0.5 0.5 0.5
lab*nce 0.25 0.5 1.0008

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.111 (1.0)
cmyn3* 1.0 0.5 0.111 (0.0)
olvi4* 1.0 0.5 0.111 (0.0)
cmyn4* 0.0 0.5 0.111 (0.0)

standard and adapted CIELAB
LAB*LAB 33.78 -33.5 10.75
LAB*LABa 33.78 -33.5 10.75
LAB*TCRa 35.0 35.2 162.22

relative CIELAB lab*
lab*lab 0.204 -0.475 0.153
lab*tch 0.25 0.5 0.451
lab*nch 0.5 0.5 0.451

relative Natural Colour (NC)
lab*trj 0.204 -0.489 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.5 0.5 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.056 (1.0)
cmyn3* 1.0 0.25 0.056 (0.0)
olvi4* 1.0 0.25 0.056 (0.0)
cmyn4* 0.0 0.25 0.056 (0.0)

standard and adapted CIELAB
LAB*LAB 25.9 16.74 5.38
LAB*LABa 25.9 16.74 5.38
LAB*TCRa 12.5 17.59 162.21

relative CIELAB lab*
lab*lab 0.102 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451

relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.998

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.417 (1.0)
cmyn3* 0.75 0.0 0.583 (0.0)
olvi4* 0.25 1.0 0.417 (1.0)
cmyn4* 0.75 0.0 0.583 (0.0)

standard and adapted CIELAB
LAB*LAB 61.01 -50.26 16.11
LAB*LABa 61.01 -50.26 16.11
LAB*TCRa 62.5 52.79 162.23

relative CIELAB lab*
lab*lab 0.556 -0.713 0.229
lab*tch 0.625 0.75 0.451
lab*nch 0.0 0.75 0.451

relative Natural Colour (NC)
lab*trj 0.556 -0.749 0.0
lab*tce 0.625 0.75 0.5
lab*nce 0.0 0.75 0.9006

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.272 (1.0)
cmyn3* 1.0 0.0 0.778 (0.0)
olvi4* 0.0 1.0 0.272 (1.0)
cmyn4* 1.0 0.0 0.778 (0.0)

standard and adapted CIELAB
LAB*LAB 49.55 -67.01 21.49
LAB*LABa 49.55 -67.01 21.49
LAB*TCRa 50.0 70.38 162.22

relative CIELAB lab*
lab*lab 0.407 -0.951 0.305
lab*tch 0.5 1.0 0.451
lab*nch 0.0 1.0 0.451

relative Natural Colour (NC)
lab*trj 0.407 -0.959 0.0
lab*tce 0.5 1.0 0.5
lab*nce 0.0 1.0 0.999

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.111 (1.0)
cmyn3* 1.0 0.5 0.111 (0.0)
olvi4* 1.0 0.5 0.111 (0.0)
cmyn4* 0.0 0.5 0.111 (0.0)

standard and adapted CIELAB
LAB*LAB 33.78 -33.5 10.75
LAB*LABa 33.78 -33.5 10.75
LAB*TCRa 35.0 35.2 162.22

relative CIELAB lab*
lab*lab 0.204 -0.475 0.153
lab*tch 0.25 0.5 0.451
lab*nch 0.5 0.5 0.451

relative Natural Colour (NC)
lab*trj 0.204 -0.489 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.5 0.5 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.056 (1.0)
cmyn3* 1.0 0.25 0.056 (0.0)
olvi4* 1.0 0.25 0.056 (0.0)
cmyn4* 0.0 0.25 0.056 (0.0)

standard and adapted CIELAB
LAB*LAB 25.9 16.74 5.38
LAB*LABa 25.9 16.74 5.38
LAB*TCRa 12.5 17.59 162.21

relative CIELAB lab*
lab*lab 0.102 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451

relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.998

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.41 (1.0)
cmyn3* 0.75 0.5 0.41 (0.0)
olvi4* 1.0 0.5 0.41 (0.0)
cmyn4* 0.0 0.5 0.41 (0.0)

standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -

relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.16 (1.0)
cmyn3* 1.0 0.25 0.16 (0.0)
olvi4* 1.0 0.25 0.16 (0.0)
cmyn4* 0.0 0.25 0.16 (0.

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

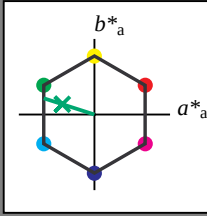
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.41	0.0	0.0
LAB*LABb	56.41	0.0	0.0
LAB*LABc	56.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	76.07	0.0	0.0
LAB*LABc	76.07	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	56.72	0.0	0.0
LAB*LABc	56.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	37.37	0.0	0.0
LAB*LABc	37.37	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	18.03	0.0	0.0
LAB*LABc	18.03	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.611	(1.0)
cmyn3*	0.5	0.0	0.389	(0.0)
olvi4*	0.5	1.0	0.611	(0.0)
cmyn4*	0.5	0.0	0.389	(0.0)

standard and adapted CIELAB

LAB*LAB	72.48	33.5	10.74
LAB*LABa	72.48	33.5	10.74
LAB*LABb	72.48	33.5	10.74
LAB*LABc	72.48	33.5	10.74

relative CIELAB lab*

lab*lab	0.852	-0.237	0.076
lab*tch	0.875	0.25	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.852	-0.249	0.0
lab*tce	0.875	0.25	0.5
lab*nce	0.0	0.25	0.006

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.536	(1.0)
cmyn3*	0.5	0.25	0.444	(0.0)
olvi4*	0.5	1.0	0.806	(0.0)
cmyn4*	0.5	0.0	0.194	(0.0)

standard and adapted CIELAB

LAB*LAB	64.59	16.75	5.37
LAB*LABa	64.59	16.75	5.37
LAB*LABb	64.59	16.75	5.37
LAB*LABc	64.59	16.75	5.37

relative CIELAB lab*

lab*lab	0.602	-0.237	0.076
lab*tch	0.625	0.25	0.451
lab*nch	0.25	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.602	-0.249	0.0
lab*tce	0.625	0.25	0.5
lab*nce	0.25	0.25	0.006

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.361	(1.0)
cmyn3*	0.75	0.25	0.639	(0.0)
olvi4*	0.5	1.0	0.611	(0.0)
cmyn4*	0.5	0.0	0.389	(0.0)

standard and adapted CIELAB

LAB*LAB	53.13	-33.5	10.75
LAB*LABa	53.13	-33.5	10.75
LAB*LABb	53.13	-33.5	10.75
LAB*LABc	53.13	-33.5	10.75

relative CIELAB lab*

lab*lab	0.454	-0.475	0.153
lab*tch	0.454	0.5	0.451
lab*nch	0.25	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.454	-0.489	0.0
lab*tce	0.454	0.5	0.5
lab*nce	0.25	0.5	0.006

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.111	(1.0)
cmyn3*	1.0	0.5	0.889	(0.0)
olvi4*	0.5	1.0	0.611	(0.0)
cmyn4*	0.5	0.0	0.389	(0.0)

standard and adapted CIELAB

LAB*LAB	33.78	33.5	10.75
LAB*LABa	33.78	33.5	10.75
LAB*LABb	33.78	33.5	10.75
LAB*LABc	33.78	33.5	10.75

relative CIELAB lab*

lab*lab	0.204	-0.475	0.153
lab*tch	0.25	0.5	0.451
lab*nch	0.5	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.204	-0.489	0.0
lab*tce	0.25	0.5	0.5
lab*nce	0.5	0.5	0.006

$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

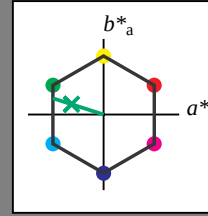
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	76.07	0.0	0.0
LAB*LABc	76.07	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	56.72	0.0	0.0
LAB*LABc	56.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	37.37	0.0	0.0
LAB*LABc	37.37	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	18.03	0.0	0.0
LAB*LABc	18.03	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.611	(1.0)
cmyn3*	0.5	0.0	0.389	(0.0)
olvi4*	0.5	1.0	0.611	(0.0)
cmyn4*	0.5	0.0	0.389	(0.0)

standard and adapted CIELAB

LAB*LAB	72.48	33.5	10.74
LAB*LABa	72.48	33.5	10.74
LAB*LABb	72.48	33.5	10

chromaticness c^*

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

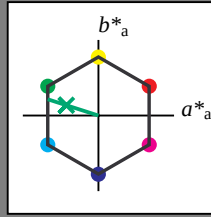
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.611 (1.0)
cmyn3* 0.5 0.0 0.389 (0.0)
olvi4* 0.5 1.0 0.611 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 76.71 0.0 0.0
LAB*LABa 76.06 -33.5 10.74
LAB*TCRa 75.0 0.19 162.23

relative CIELAB lab*
lab*lab 0.75 -0.475 0.153
lab*tch 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.75 -0.489 0.0
lab*tce 0.5 0.5 0.5
lab*nce 0.0 0.5 0.006

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.361 (1.0)
cmyn3* 0.75 0.25 0.361 (0.0)
olvi4* 0.5 1.0 0.611 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -33.5 10.75
LAB*LABa 56.71 -33.5 10.75
LAB*TCRa 50.0 35.2 162.22

relative CIELAB lab*
lab*lab 0.5 -0.475 0.153
lab*tch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.5 -0.489 0.0
lab*tce 0.5 0.5 0.5
lab*nce 0.25 0.5 0.006

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.111 (1.0)
cmyn3* 1.0 0.5 0.889 (0.0)
olvi4* 0.5 1.0 0.611 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -33.5 10.75
LAB*LABa 37.36 -33.5 10.75
LAB*TCRa 25.01 35.19 162.21

relative CIELAB lab*
lab*lab 0.25 -0.475 0.153
lab*tch 0.25 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.25 -0.489 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.5 0.5 0.006

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.056 (1.0)
cmyn3* 1.0 0.75 0.944 (0.0)
olvi4* 0.75 1.0 0.806 (0.5)
cmyn4* 0.25 0.0 0.194 (0.5)
standard and adapted CIELAB
LAB*LAB 27.69 -16.74 5.38
LAB*LABa 27.69 -16.74 5.38
LAB*TCRa 12.5 17.59 162.21

relative CIELAB lab*
lab*lab 0.125 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.125 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

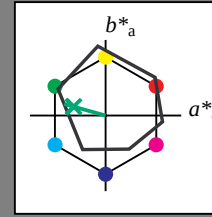
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.88 4.75
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABa 56.71 -0.24 2.14
LAB*TCRa 50.0 70.38 162.22

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.13 0.83
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.5 -0.47
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.062 (1.0)
cmyn3* 1.0 0.75 0.938 (0.0)
olvi4* 0.75 1.0 0.812 (0.25)
cmyn4* 0.25 0.0 0.188 (0.75)
standard and adapted CIELAB
LAB*LAB 26.71 -13.36 3.94
LAB*LABa 26.71 -13.36 3.94
LAB*TCRa 12.5 14.23 164.46

relative CIELAB lab*
lab*lab 0.112 -0.24 0.067
lab*tch 0.112 0.25 0.457
lab*nch 0.75 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.112 -0.249 0.0
lab*tce 0.112 0.25 0.5
lab*nce 0.75 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.123 (1.0)
cmyn3* 1.0 0.5 0.877 (0.0)
olvi4* 0.5 1.0 0.623 (0.5)
cmyn4* 0.5 0.0 0.377 (0.5)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 8.34
LAB*LABa 35.41 -27.24 8.34
LAB*TCRa 25.01 28.46 164.45

relative CIELAB lab*
lab*lab 0.225 -0.481 0.134
lab*tch 0.225 0.5 0.457
lab*nch 0.5 0.5 0.457
relative Natural Colour (NC)
lab*trj 0.225 -0.489 0.0
lab*tce 0.225 0.5 0.5
lab*nce 0.5 0.5 0.006

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.062 (1.0)
cmyn3* 1.0 0.75 0.938 (0.0)
olvi4* 0.75 1.0 0.812 (0.25)
cmyn4* 0.25 0.0 0.188 (0.75)
standard and adapted CIELAB
LAB*LAB 26.71 -13.36 3.94
LAB*LABa 26.71 -13.36 3.94
LAB*TCRa 12.5 14.23 164.46

relative CIELAB lab*
lab*lab 0.112 -0.24 0.067
lab*tch 0.112 0.25 0.457
lab*nch 0.75 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.112 -0.249 0.0
lab*tce 0.112 0.25 0.5
lab*nce 0.75 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.123 (1.0)
cmyn3* 1.0 0.5 0.877 (0.0)
olvi4* 0.5 1.0 0.623 (0.5)
cmyn4* 0.5 0.0 0.377 (0.5)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 8.34
LAB*LABa 35.41 -27.24 8.34
LAB*TCRa 25.01 28.46 164.45

relative CIELAB lab*
lab*lab 0.225 -0.481 0.134
lab*tch 0.225 0.5 0.457
lab*nch 0.5 0.5 0.457
relative Natural Colour (NC)
lab*trj 0.225 -0.489 0.0
lab*tce 0.225 0.5 0.5
lab*nce 0.5 0.5 0.006

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.062 (1.0)
cmyn3* 1.0 0.75 0.938 (0.0)
olvi4* 0.75 1.0 0.812 (0.25)
cmyn4* 0.25 0.0 0.188 (0.75)
standard and adapted CIELAB
LAB*LAB 26.71 -13.36 3.94
LAB*LABa 26.71 -13.36 3.94
LAB*TCRa 12.5 14.23 164.46

relative CIELAB lab*
lab*lab 0.112 -0.24 0.067
lab*tch 0.112 0.25 0.457
lab*nch 0.75 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.112 -0.249 0.0
lab*tce 0.112 0.25 0.5
lab*nce 0.75 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.123 (1.0)
cmyn3* 1.0 0.5 0.877 (0.0)
olvi4* 0.5 1.0 0.623 (0.5)
cmyn4* 0.5 0.0 0.377 (0.5)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 8.34
LAB*LABa 35.41 -27.24 8.34
LAB*TCRa 25.01 28.46 164.45

relative CIELAB lab*
lab*lab 0.225 -0.481 0.134
lab*tch 0.225 0.5 0.457
lab*nch 0.5 0.5 0.457
relative Natural Colour (NC)
lab*trj 0.225 -0.489 0.0
lab*tce 0.225 0.5 0.5
lab*nce 0.5 0.5 0.006

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.062 (1.0)
cmyn3* 1.0 0.75 0.938 (0.0)
olvi4* 0.75 1.0 0.812 (0.25)
cmyn4* 0.25 0.0 0.188 (0.75)
standard and adapted CIELAB
LAB*LAB 26.71 -13.36 3.94
LAB*LABa 26.71 -13.36 3.94
LAB*TCRa 12.5 14.23 164.46

relative CIELAB lab*
lab*lab 0.112 -0.24 0.067
lab*tch 0.112 0.25 0.457
lab*nch 0.75 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.112 -0.249 0.0
lab*tce 0.112 0.25 0.5
lab*nce 0.75 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.123 (1.0)
cmyn3* 1.0 0.5 0.877 (0.0)
olvi4* 0.5 1.0 0.623 (0.5)
cmyn4* 0.5 0.0 0.377 (0.5)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 8.34
LAB*LABa 35.41 -27.24 8.34
LAB*TCRa 25.01 28.46 164.45

relative CIELAB lab*
lab*lab 0.225 -0.481 0.134
lab*tch 0.225 0.5 0.457
lab*nch 0.5 0.5 0.457
relative Natural Colour (NC)
lab*trj 0.225 -0.489 0.0
lab*tce 0.225 0.5 0.5
lab*nce 0.5 0.5 0.006

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.062 (1.0)
cmyn3* 1.0 0.75 0.938 (0.0)
olvi4* 0.75 1.0 0.812 (0.25)
cmyn4* 0.25 0.0 0.188 (0.75)
standard and adapted CIELAB
LAB*LAB 26.71 -13.36 3.94
LAB*LABa 26.71 -13.36 3.94
LAB*TCRa 12.5 14.23 164.46

relative CIELAB lab*
lab*lab 0.112 -0.24 0.067
lab*tch 0.112 0.25 0.457
lab*nch 0.75 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.112 -0.249 0.0
lab*tce 0.112 0.25 0.5
lab*nce 0.75 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.123 (1.0)
cmyn3* 1.0 0.5 0.877 (0.0)
olvi4* 0.5 1.0 0.623 (0.5)
cmyn4* 0.5 0.0 0.377 (0.5)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 8.34
LAB*LABa 35.41 -27.24 8.34
LAB*TCRa 25.01 28.46 164.45

relative CIELAB lab*
lab*lab 0.225 -0.481 0.134
lab*tch 0.225 0.5 0.457
lab*nch 0.5 0.5 0.457
relative Natural Colour (NC)
lab*trj 0.225 -0.489 0.0
lab*tce 0.225 0.5 0.5
lab*nce 0.5 0.5 0.006

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.062 (1.0)
cmyn3* 1.0 0.75 0.938 (0.0)
olvi4* 0.75 1.0 0.812 (0.25)
cmyn4* 0.25 0.0 0.188 (0.75)
standard and adapted CIELAB
LAB*LAB 26.71 -13.36 3.94
LAB*LABa 26.71 -13.36 3.94
LAB*TCRa 12.5 14.23 164.46

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

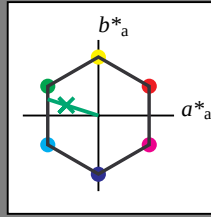
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



%Gamut
 $u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.611	(1.0)
cmyn3*	0.5	0.0	0.389	(0.0)
olvi4*	0.5	1.0	0.611	(1.0)
cmyn4*	0.5	0.0	0.389	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.06	-33.5	10.74
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	-0.475	0.153
lab*tch	0.75	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.75	-0.489	0.0
lab*tce	0.25	0.5	0.5
lab*nce	0.0	0.5	0.006

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.361	(1.0)
cmyn3*	0.75	0.25	0.639	(0.0)
olvi4*	0.5	1.0	0.611	(1.0)
cmyn4*	0.5	0.0	0.389	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-33.5	10.75
LAB*LABa	56.71	-33.5	10.75
LAB*TCHa	50.0	35.2	162.22

relative CIELAB lab*

lab*lab	0.5	-0.475	0.153
lab*tch	0.5	0.5	0.451
lab*nch	0.25	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.5	-0.489	0.0
lab*tce	0.5	0.5	0.5
lab*nce	0.25	0.5	0.006

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.111	(1.0)
cmyn3*	1.0	0.5	0.889	(0.0)
olvi4*	0.5	1.0	0.611	(0.5)
cmyn4*	0.5	0.0	0.389	(0.5)

standard and adapted CIELAB

LAB*LAB	37.36	-33.5	10.75
LAB*LABa	37.36	-33.5	10.75
LAB*TCHa	25.01	35.19	162.21

relative CIELAB lab*

lab*lab	0.25	-0.475	0.153
lab*tch	0.25	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.25	-0.489	0.0
lab*tce	0.25	0.5	0.5
lab*nce	0.0	0.5	0.006

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.056	(1.0)
cmyn3*	1.0	0.75	0.944	(0.0)
olvi4*	0.5	1.0	0.806	(0.25)
cmyn4*	0.25	0.0	0.194	(0.75)

standard and adapted CIELAB

LAB*LAB	27.69	-16.74	5.37
LAB*LABa	27.69	-16.74	5.37
LAB*TCHa	12.5	17.59	162.21

relative CIELAB lab*

lab*lab	0.125	-0.237	0.076
lab*tch	0.125	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.125	-0.249	0.0
lab*tce	0.125	0.25	0.5
lab*nce	0.0	0.25	0.006

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

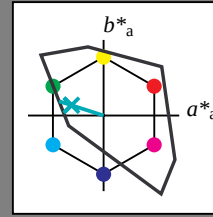
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



%Gamut
 $u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCHa	50.0	70.38	162.22

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.826	(1.0)
cmyn3*	0.5	0.0	0.174	(0.0)
olvi4*	0.5	1.0	0.826	(1.0)
cmyn4*	0.5	0.0	0.174	(0.0)

standard and adapted CIELAB

LAB*LAB	90.57	-29.42	9.43
LAB*LABa	90.57	-29.42	9.43
LAB*TCHa	75.0	30.9	162.23

relative CIELAB lab*

lab*lab	0.949	-0.475	0.153
lab*tch	0.75	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.949	-0.489	0.0
lab*tce	0.75	0.5	0.5
lab*nce	0.0	0.5	0.006

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.363	(1.0)
cmyn3*	0.75	0.25	0.637	(

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

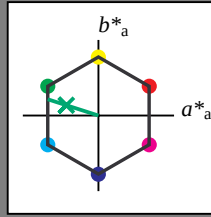
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.611 (1.0)
cmyn3* 0.5 0.0 0.389 (0.0)
olvi4* 0.5 1.0 0.611 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.06 -33.5 10.74
LAB*TCHa 75.0 0.01 162.23

relative CIELAB lab*
lab*lab 0.75 -0.475 0.153
lab*tch 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.75 -0.459 0.0
lab*tce 0.5 0.5 0.5
lab*nce 0.0 0.5 0.006

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.361 (1.0)
cmyn3* 0.75 0.25 0.361 (0.0)
olvi4* 0.5 1.0 0.611 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -33.5 10.75
LAB*LABa 56.71 -33.5 10.75
LAB*TCHa 50.0 35.2 162.22

relative CIELAB lab*
lab*lab 0.5 -0.475 0.153
lab*tch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.5 -0.459 0.0
lab*tce 0.5 0.5 0.5
lab*nce 0.25 0.5 0.006

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.111 (1.0)
cmyn3* 1.0 0.5 0.889 (0.0)
olvi4* 0.5 1.0 0.611 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -33.5 10.75
LAB*LABa 37.36 -33.5 10.75
LAB*TCHa 25.01 35.19 162.21

relative CIELAB lab*
lab*lab 0.25 -0.475 0.153
lab*tch 0.25 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.25 -0.459 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.25 0.5 0.006

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.056 (1.0)
cmyn3* 1.0 0.75 0.944 (0.0)
olvi4* 0.5 1.0 0.806 (0.5)
cmyn4* 0.25 0.0 0.194 (0.25)
standard and adapted CIELAB
LAB*LAB 27.69 -16.74 5.37
LAB*LABa 27.69 -16.74 5.37
LAB*TCHa 12.5 17.59 162.21

relative CIELAB lab*
lab*lab 0.125 -0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.125 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.006

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 165/360 = 0.458$

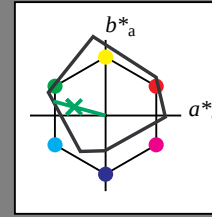
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 -0.11 2.58
LAB*LABa 96.31 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 -0.44 2.45
LAB*LABa 76.38 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 0.0 0.0
LAB*LABa 56.44 0.0 0.0
LAB*TCHa 50.0 70.38 162.22

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 1.09 2.19
LAB*LABa 36.5 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

DRSEX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.788 (1.0)
cmyn3* 0.25 0.0 0.212 (0.0)
olvi4* 1.0 1.0 0.788 (1.0)
cmyn4* 0.25 0.0 0.212 (0.0)
standard and adapted CIELAB
LAB*LAB 84.48 -17.6 7.21
LAB*LABa 84.48 -17.29 4.7
LAB*TCHa 87.5 17.93 164.8

relative CIELAB lab*
lab*lab 0.852 -0.24 0.066
lab*tch 0.875 0.25 0.458
lab*nch 0.0 0.25 0.458
relative Natural Colour (NC)
lab*trj 0.852 -0.249 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.0 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.538 (1.0)
cmyn3* 0.5 0.25 0.462 (0.0)
olvi4* 1.0 0.788 0.75
cmyn4* 0.25 0.0 0.212 (0.25)
standard and adapted CIELAB
LAB*LAB 64.55 -17.3 4.7
LAB*LABa 64.55 -17.3 4.7
LAB*TCHa 50.0 35.87 164.8

relative CIELAB lab*
lab*lab 0.602 -0.24 0.066
lab*tch 0.625 0.25 0.458
lab*nch 0.25 0.25 0.458
relative Natural Colour (NC)
lab*trj 0.602 -0.249 0.0
lab*tce 0.625 0.25 0.5
lab*nce 0.25 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.288 (1.0)
cmyn3* 0.75 0.5 0.212 (0.0)
olvi4* 0.75 1.0 0.788 (0.5)
cmyn4* 0.25 0.0 0.212 (0.25)
standard and adapted CIELAB
LAB*LAB 44.61 -17.3 4.7
LAB*LABa 44.61 -17.3 4.7
LAB*TCHa 37.5 17.93 164.8

relative CIELAB lab*
lab*lab 0.453 -0.482 0.131
lab*tch 0.475 0.5 0.458
lab*nch 0.25 0.5 0.458
relative Natural Colour (NC)
lab*trj 0.453 -0.489 0.0
lab*tce 0.5 0.5 0.5
lab*nce 0.25 0.5 0.006

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.076 (1.0)
cmyn3* 1.0 0.5 0.924 (0.0)
olvi4* 0.5 1.0 0.576 (0.5)
cmyn4* 0.5 0.0 0.424 (0.5)
standard and adapted CIELAB
LAB*LAB 32.79 -35.75 11.58
LAB*LABa 32.79 -34.6 9.41
LAB*TCHa 25.01 35.87 164.79

relative CIELAB lab*
lab*lab 0.203 -0.481 0.131
lab*tch 0.225 0.5 0.458
lab*nch 0.5 0.5 0.458
relative Natural Colour (NC)
lab*trj 0.203 -0.489 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.5 0.5 0.006

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.038 (1.0)
cmyn3* 1.0 0.75 0.962 (0.0)
olvi4* 0.5 1.0 0.806 (0.5)
cmyn4* 0.25 0.0 0.212 (0.25)
standard and adapted CIELAB
LAB*LAB 24.67 -18.58 6.83
LAB*LABa 24.67 -17.29 4.71
LAB*TCHa 12.5 17.93 164.78

relative CIELAB lab*
lab*lab 0.102 -0.24 0.066
lab*tch 0.125 0.25 0.458
lab*nch 0.75 0.25 0.458
relative Natural Colour (NC)
lab*trj 0.102 -0.249 0.0
lab*tce 0.125 0.25 0.5
lab*nce 0.75 0.25 0.006

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 165/360 = 0.458 (right)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

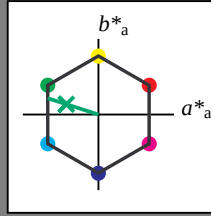
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



%Gamut
 $u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.611 (1.0)
cmyn3* 0.5 0.0 0.389 (0.0)
olvi4* 0.5 1.0 0.611 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.06 -33.5 10.74
LAB*TCHa 75.0 0.19 162.23

relative CIELAB lab*
lab*lab 0.875 -0.237 0.076
lab*tch 0.875 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.875 0.25 0.451
lab*tce 0.0 0.25 0.451
lab*nce 0.0 0.25 0.451

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.536 (1.0)
cmyn3* 0.5 0.25 0.444 (0.0)
olvi4* 0.25 1.0 0.806 0.75
cmyn4* 0.25 0.0 0.194 0.25
standard and adapted CIELAB
LAB*LAB 66.38 -16.75 5.37
LAB*LABa 66.38 -16.75 5.37
LAB*TCHa 62.5 17.6 162.22

relative CIELAB lab*
lab*lab 0.625 -0.237 0.076
lab*tch 0.625 0.25 0.451
lab*nch 0.25 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.625 -0.237 0.076
lab*tce 0.25 0.25 0.451
lab*nce 0.25 0.25 0.451

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.36 (1.0)
cmyn3* 0.75 0.5 0.634 (0.0)
olvi4* 0.25 1.0 0.806 0.5
cmyn4* 0.25 0.0 0.194 0.5
standard and adapted CIELAB
LAB*LAB 56.71 -33.5 10.75
LAB*LABa 56.71 -33.5 10.75
LAB*TCHa 50.0 35.2 162.22

relative CIELAB lab*
lab*lab 0.5 -0.475 0.153
lab*tch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.5 -0.475 0.153
lab*tce 0.5 0.5 0.451
lab*nce 0.5 0.5 0.451

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.167 (1.0)
cmyn3* 1.0 0.25 0.833 (0.0)
olvi4* 0.25 1.0 0.806 0.25
cmyn4* 0.75 0.0 0.583 0.25
standard and adapted CIELAB
LAB*LAB 47.04 -50.26 16.12
LAB*LABa 47.04 -50.26 16.12
LAB*TCHa 37.51 52.79 162.22

relative CIELAB lab*
lab*lab 0.375 -0.713 0.229
lab*tch 0.375 0.75 0.451
lab*nch 0.25 0.75 0.451
relative Natural Colour (NC)
lab*trj 0.375 -0.713 0.229
lab*tce 0.375 0.75 0.451
lab*nce 0.25 0.75 0.451

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.111 (1.0)
cmyn3* 1.0 0.5 0.889 (0.0)
olvi4* 0.0 1.0 0.611 0.5
cmyn4* 0.5 0.0 0.389 0.5
standard and adapted CIELAB
LAB*LAB 37.36 -33.5 10.75
LAB*LABa 37.36 -33.5 10.75
LAB*TCHa 25.01 35.19 162.21

relative CIELAB lab*
lab*lab 0.25 -0.475 0.153
lab*tch 0.25 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.25 -0.475 0.153
lab*tce 0.25 0.5 0.451
lab*nce 0.25 0.5 0.451

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

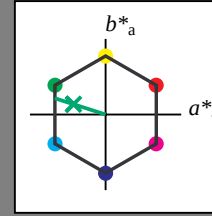
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



%Gamut
 $u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.71 -67.01 21.49
LAB*TCHa 50.0 70.38 162.22

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	43.81	67.03	38.7	77.4	30
YMa	69.61	0.0	77.4	77.4	90
LMa	43.81	-67.02	38.7	77.4	150
CMa	69.61	-67.02	-38.69	77.4	210
VMa	43.81	0.0	-77.39	77.4	270
MMa	69.61	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.806 (1.0)
cmyn3* 0.25 0.0 0.389 (0.0)
olvi4* 0.75 1.0 0.806 1.0
cmyn4* 0.25 0.0 0.194 0.0
standard and adapted CIELAB
LAB*LAB 72.48 -33.5 10.74
LAB*LABa 72.48 -33.5 10.74
LAB*TCHa 75.0 17.59 162.23

relative CIELAB lab*
lab*lab 0.852 -0.237 0.076
lab*tch 0.875 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.852 -0.237 0.076
lab*tce 0.0 0.25 0.451
lab*nce 0.0 0.25 0.451

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.536 (1.0)
cmyn3* 0.5 0.25 0.444 (0.0)
olvi4* 0.25 1.0 0.806 0.75
cmyn4* 0.25 0.0 0.194 0.25
standard and adapted CIELAB
LAB*LAB 64.59 -16.75 5.37
LAB*LABa 64.59 -16.75 5.37
LAB*TCHa 62.5 17.6 162.22

relative CIELAB lab*
lab*lab 0.704 -0.475 0.153
lab*tch 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.704 -0.475 0.153
lab*tce 0.75 0.5 0.451
lab*nce 0.75 0.5 0.451

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.36 (1.0)
cmyn3* 0.75 0.25 0.634 (0.0)
olvi4* 0.25 1.0 0.806 0.5
cmyn4* 0.25 0.0 0.194 0.5
standard and adapted CIELAB
LAB*LAB 53.13 -33.5 10.75
LAB*LABa 53.13 -33.5 10.75
LAB*TCHa 50.0 35.2 162.22

relative CIELAB lab*
lab*lab 0.454 -0.475 0.153
lab*tch 0.454 0.5 0.451
lab*nch 0.25 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.454 -0.475 0.153
lab*tce 0.454 0.5 0.451
lab*nce 0.25 0.5 0.451

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.167 (1.0)
cmyn3* 1.0 0.25 0.833 (0.0)
olvi4* 0.25 1.0 0.806 0.25
cmyn4* 0.75 0.0 0.583 0.25
standard and adapted CIELAB
LAB*LAB 41.67 -50.26 16.12
LAB*LABa 41.67 -50.26 16.12
LAB*TCHa 37.51 52.79 162.22

relative CIELAB lab*
lab*lab 0.306 -0.713 0.229
lab*tch 0.375 0.75 0.451
lab*nch 0.25 0.75 0.451
relative Natural Colour (NC)
lab*trj 0.306 -0.713 0.229
lab*tce 0.375 0.75 0.451
lab*nce 0.25 0.75 0.451

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

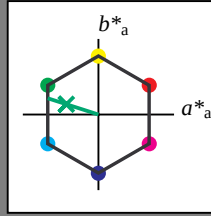
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0
LAB*TCHa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.25	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0
LAB*TCHa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.5	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0
LAB*TCHa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.75	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.75	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	0.0
LAB*LABa	18.03	0.0	0.0	0.0
LAB*TCHa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	1.0	0.0	-	-

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	-67.02	38.7	77.4	150
CMa	56.71	-67.02	-38.69	77.4	210
VMa	56.71	0.0	-77.39	77.4	270
MMa	56.71	67.03	-38.69	77.4	330
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.611	(1.0)
cmyn3*	0.5	0.0	0.389	(0.0)
olvi4*	0.5	1.0	0.611	0.5
cmyn4*	0.5	0.0	0.389	0.0
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	0.0
LAB*LABa	76.06	-33.5	10.74	0.0
LAB*TCHa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	-0.475	0.153	0.0
lab*tch	0.75	0.5	0.451	0.0
lab*nch	0.0	0.5	0.451	0.0
relative Natural Colour (NC)				
lab*trj	0.75	-0.489	0.0	0.0
lab*tce	0.25	0.5	0.5	0.0
lab*nce	0.0	0.5	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.75	0.361	(1.0)
cmyn3*	0.75	0.25	0.639	(0.0)
olvi4*	0.5	1.0	0.611	0.75
cmyn4*	0.5	0.0	0.389	0.25
standard and adapted CIELAB				
LAB*LAB	56.71	-33.5	10.75	0.0
LAB*LABa	56.71	-33.5	10.75	0.0
LAB*TCHa	50.0	35.2	162.22	0.0
relative CIELAB lab*				
lab*lab	0.5	-0.475	0.153	0.0
lab*tch	0.5	0.5	0.451	0.0
lab*nch	0.25	0.5	0.451	0.0
relative Natural Colour (NC)				
lab*trj	0.5	-0.489	0.0	0.0
lab*tce	0.5	0.5	0.5	0.0
lab*nce	0.25	0.5	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.111	(1.0)
cmyn3*	1.0	0.5	0.889	(0.0)
olvi4*	0.5	1.0	0.611	0.5
cmyn4*	0.5	0.0	0.389	0.5
standard and adapted CIELAB				
LAB*LAB	37.36	-33.5	10.75	0.0
LAB*LABa	37.36	-33.5	10.75	0.0
LAB*TCHa	25.01	35.19	162.21	0.0
relative CIELAB lab*				
lab*lab	0.25	-0.475	0.153	0.0
lab*tch	0.25	0.5	0.451	0.0
lab*nch	0.75	0.5	0.451	0.0
relative Natural Colour (NC)				
lab*trj	0.25	-0.489	0.0	0.0
lab*tce	0.25	0.5	0.5	0.0
lab*nce	0.75	0.5	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.036	(1.0)
cmyn3*	1.0	0.75	0.964	(0.0)
olvi4*	0.75	1.0	0.806	0.25
cmyn4*	0.25	0.0	0.194	0.75
standard and adapted CIELAB				
LAB*LAB	27.69	-16.74	5.37	0.0
LAB*LABa	27.69	-16.74	5.37	0.0
LAB*TCHa	12.5	17.59	162.21	0.0
relative CIELAB lab*				
lab*lab	0.125	-0.237	0.076	0.0
lab*tch	0.125	0.25	0.451	0.0
lab*nch	0.75	0.25	0.451	0.0
relative Natural Colour (NC)				
lab*trj	0.125	-0.249	0.0	0.0
lab*tce	0.125	0.25	0.5	0.0
lab*nce	0.75	0.25	0.0	0.0

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

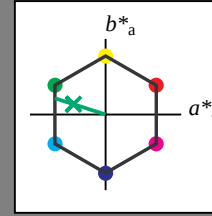
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0
LAB*TCHa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.25	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*Labu	56.72	0.0	0.0	
LAB*H*Ho	5.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*c*ch	0.5	0.0	-	
lab*n*ch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*nlrj	0.5	0.0	0.0	
lab*c*nc	0.5	0.0	-	
lab*n*nc	0.5	0.0	-	

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

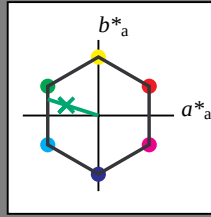
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.71	0.0	0.0
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0
LAB*LABc	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.71	0.0	0.0
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0
LAB*LABc	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.71	0.0	0.0
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0
LAB*LABc	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.71	0.0	0.0
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0
LAB*LABc	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	18.03	0.0	0.0
LAB*LABc	18.03	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.611	(1.0)
cmyn3*	0.5	0.0	0.389	(0.0)
olvi4*	0.5	1.0	0.088	0.0
cmyn4*	0.5	0.0	0.389	0.0

standard and adapted CIELAB

LAB*LAB	76.71	33.5	10.74
LAB*LABa	76.06	-33.5	10.74
LAB*LABb	76.06	33.5	10.74
LAB*LABc	76.06	33.5	10.74

relative CIELAB lab*

lab*lab	0.75	-0.475	0.153
lab*tch	0.75	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.75	-0.498	0.0
lab*tce	0.5	0.5	0.5
lab*nce	0.0	0.5	0.006

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.361	(1.0)
cmyn3*	0.75	0.25	0.389	(0.0)
olvi4*	0.5	1.0	0.088	0.0
cmyn4*	0.5	0.0	0.389	0.0

standard and adapted CIELAB

LAB*LAB	56.71	-33.5	10.75
LAB*LABa	56.71	-33.5	10.75
LAB*LABb	56.71	-33.5	10.75
LAB*LABc	56.71	-33.5	10.75

relative CIELAB lab*

lab*lab	0.625	-0.475	0.153
lab*tch	0.625	0.25	0.451
lab*nch	0.25	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.625	-0.498	0.0
lab*tce	0.625	0.25	0.5
lab*nce	0.25	0.25	0.998

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.111	(1.0)
cmyn3*	1.0	0.5	0.889	(0.0)
olvi4*	0.5	1.0	0.088	0.0
cmyn4*	0.5	0.0	0.389	0.0

standard and adapted CIELAB

LAB*LAB	37.36	-33.5	10.75
LAB*LABa	37.36	-33.5	10.75
LAB*LABb	37.36	-33.5	10.75
LAB*LABc	37.36	-33.5	10.75

relative CIELAB lab*

lab*lab	0.25	-0.475	0.153
lab*tch	0.25	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.25	-0.498	0.0
lab*tce	0.25	0.5	0.5
lab*nce	0.0	0.5	0.998

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

$n^* = 5,25$

$n^* = 5,50$

$n^* = 5,75$

$n^* = 6,00$

$n^* = 6,25$

$n^* = 6,50$

$n^* = 6,75$

$n^* = 7,00$

$n^* = 7,25$

$n^* = 7,50$

$n^* = 7,75$

$n^* = 8,00$

$n^* = 8,25$

$n^* = 8,50$

$n^* = 8,75$

$n^* = 9,00$

$n^* = 9,25$

$n^* = 9,50$

$n^* = 9,75$

$n^* = 10,00$

$n^* = 10,25$

$n^* = 10,50$

$n^* = 10,75$

$n^* = 11,00$

$n^* = 11,25$

$n^* = 11,50$

$n^* = 11,75$

$n^* = 12,00$

$n^* = 12,25$

$n^* = 12,50$

$n^* = 12,75$

$n^* = 13,00$

$n^* = 13,25$

$n^* = 13,50$

$n^* = 13,75$

$n^* = 14,00$

$n^* = 14,25$

$n^* = 14,50$

$n^* = 14,75$

$n^* = 15,00$

$n^* = 15,25$

$n^* = 15,50$

$n^* = 15,75$

$n^* = 16,00$

$n^* = 16,25$

$n^* = 16,50$

$n^* = 16,75$

$n^* = 17,00$

$n^* = 17,25$

$n^* = 17,50$

$n^* = 17,75$

$n^* = 18,00$

$n^* = 18,25$

$n^* = 18,50$

$n^* = 18,75$

$n^* = 19,00$

$n^* = 19,25$

$n^* = 19,50$

$n^* = 19,75$

$n^* = 20,00$

$n^* = 20,25$

$n^* = 20,50$

$n^* = 20,75$

$n^* = 21,00$

$n^* = 21,25$

$n^* = 21,50$

$n^* = 21,75$

$n^* = 22,00$

$n^* = 22,25$

$n^* = 22,50$

$n^* = 22,75$

$n^* = 23,00$

$n^* = 23,25$

$n^* = 23,50$

$n^* = 23,75$

$n^* = 24,00$

$n^* = 24,25$

$n^* = 24,50$

$n^* = 24,75$

$n^* = 25,00$

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

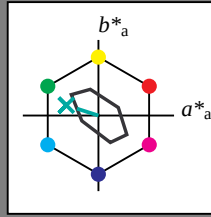
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 88.98 \ 0.0 \ 0.0$
 $LAB^*TCha \ 88.98 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 82.59 \ 0.0 \ 0.0$
 $LAB^*TCha \ 82.59 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.13 \ 0.0 \ 0.0$
 $LAB^*TCha \ 76.13 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha \ 69.7 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 1.0 \ 0.76 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.0 \ 0.233 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.884 \ 1.0$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.233 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 92.79 \ 14.2 \ 4.53$
 $LAB^*TCha \ 92.79 \ 14.2 \ 4.53$

relative CIELAB lab*
 $lab^*lab \ 0.898 \ -0.475 \ 0.153$
 $lab^*tch \ 0.75 \ 0.5 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.898 \ -0.459 \ 0.0$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5$
 $lab^*nce \ 0.0 \ 0.5 \ 0.006$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.75 \ 0.517 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.25 \ 0.483 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.767 \ 0.5$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.233 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 86.37 \ -14.2 \ 4.56$
 $LAB^*TCha \ 86.37 \ -14.2 \ 4.56$

relative CIELAB lab*
 $lab^*lab \ 0.648 \ -0.475 \ 0.153$
 $lab^*tch \ 0.5 \ 0.5 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.648 \ -0.459 \ 0.0$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5$
 $lab^*nce \ 0.25 \ 0.5 \ 0.998$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.5 \ 0.267 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.5 \ 0.723 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.767 \ 0.5$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.233 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 79.94 \ -14.2 \ 4.56$
 $LAB^*TCha \ 79.94 \ -14.2 \ 4.56$

relative CIELAB lab*
 $lab^*lab \ 0.398 \ -0.475 \ 0.153$
 $lab^*tch \ 0.25 \ 0.5 \ 0.451$
 $lab^*nch \ 0.5 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.398 \ -0.459 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.5$
 $lab^*nce \ 0.5 \ 0.5 \ 0.998$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.25 \ 0.133 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.75 \ 0.867 \ (0.0)$
 $olvi4^* \ 0.75 \ 1.0 \ 0.883 \ 0.25$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.117 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 74.82 \ -7.09 \ 2.28$
 $LAB^*TCha \ 74.82 \ -7.09 \ 2.28$

relative CIELAB lab*
 $lab^*lab \ 0.199 \ -0.237 \ 0.076$
 $lab^*tch \ 0.125 \ 0.25 \ 0.451$
 $lab^*nch \ 0.75 \ 0.25 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.199 \ -0.249 \ 0.0$
 $lab^*tce \ 0.125 \ 0.25 \ 0.5$
 $lab^*nce \ 0.75 \ 0.25 \ 0.998$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

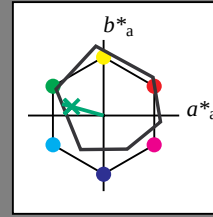
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ -0.88 \ 4.75$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.06 \ -0.61 \ 3.44$
 $LAB^*TCha \ 76.06 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.25 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 65.71 \ -0.24 \ 2.14$
 $LAB^*TCha \ 65.71 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.5 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.71 \ 0.0 \ 0.0$
 $LAB^*TCha \ 56.71 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.75 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.02 \ 0.5 \ -0.47$
 $LAB^*TCha \ 18.02 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 1.0 \ 0.812 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.0 \ 0.188 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.188 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 84.75 \ -14.48 \ 7.85$
 $LAB^*TCha \ 84.75 \ -13.69 \ 3.81$

relative CIELAB lab*
 $lab^*lab \ 0.862 \ -0.24 \ 0.067$
 $lab^*tch \ 0.875 \ 0.25 \ 0.457$
 $lab^*nch \ 0.0 \ 0.25 \ 0.457$
 relative Natural Colour (NC)
 $lab^*trj \ 0.862 \ -0.249 \ 0.0$
 $lab^*tce \ 0.875 \ 0.25 \ 0.5$
 $lab^*nce \ 0.0 \ 0.25 \ 0.006$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.75 \ 0.562 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.25 \ 0.438 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.188 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 65.41 \ 14.11 \ 6.53$
 $LAB^*TCha \ 65.41 \ 14.23 \ 16.45$

relative CIELAB lab*
 $lab^*lab \ 0.612 \ -0.24 \ 0.067$
 $lab^*tch \ 0.625 \ 0.25 \ 0.457$
 $lab^*nch \ 0.25 \ 0.25 \ 0.457$
 relative Natural Colour (NC)
 $lab^*trj \ 0.612 \ -0.249 \ 0.0$
 $lab^*tce \ 0.625 \ 0.25 \ 0.5$
 $lab^*nce \ 0.25 \ 0.25 \ 0.998$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.5 \ 0.312 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.5 \ 0.688 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.188 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 54.76 \ -27.61 \ 9.64$
 $LAB^*TCha \ 54.76 \ -27.41 \ 7.63$

relative CIELAB lab*
 $lab^*lab \ 0.475 \ -0.481 \ 0.134$
 $lab^*tch \ 0.475 \ 0.5 \ 0.457$
 $lab^*nch \ 0.25 \ 0.5 \ 0.457$
 relative Natural Colour (NC)
 $lab^*trj \ 0.475 \ -0.459 \ 0.0$
 $lab^*tce \ 0.475 \ 0.5 \ 0.5$
 $lab^*nce \ 0.25 \ 0.5 \ 0.998$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.5 \ 0.123 \ (1.0)$
 $cmyn3^* \ 1.0 \ 0.5 \ 0.877 \ (0.0)$
 $olvi4^* \ 0.5 \ 1.0 \ 0.883 \ 0.25$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.377 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 35.41 \ -27.24 \ 8.34$
 $LAB^*TCha \ 35.41 \ -27.4 \ 7.63$

relative CIELAB lab*
 $lab^*lab \ 0.225 \ -0.481 \ 0.134$
 $lab^*tch \ 0.225 \ 0.5 \ 0.457$
 $lab^*nch \ 0.75 \ 0.5 \ 0.457$
 relative Natural Colour (NC)
 $lab^*trj \ 0.225 \ -0.459 \ 0.0$
 $lab^*tce \ 0.225 \ 0.5 \ 0.5$
 $lab^*nce \ 0.5 \ 0.5 \ 0.998$

$n^* = 0,50$

$n^* = 0,25$

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

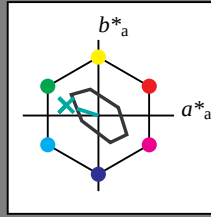
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.0 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*LABb 75.0 0.0 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.59 0.0 0.0
LAB*LABa 82.59 0.0 0.0
LAB*LABb 50.0 0.0 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.13 0.0 0.0
LAB*LABa 76.13 0.0 0.0
LAB*LABb 25.0 0.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*LABb 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.76 (1.0)
cmyn3* 0.5 0.0 0.233 (0.0)
olvi4* 0.5 1.0 0.884 (1.0)
cmyn4* 0.5 0.0 0.233 (0.0)
standard and adapted CIELAB
LAB*LAB 92.79 0.0 0.0
LAB*LABa 92.79 0.0 0.0
LAB*LABb 14.2 4.55

relative CIELAB lab*
lab*lab 0.949 -0.237 0.076
lab*tch 0.875 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.949 -0.249 0.0
lab*tce 0.875 0.25 0.5
lab*nce 0.0 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.633 (1.0)
cmyn3* 0.5 0.25 0.367 (0.0)
olvi4* 0.5 1.0 0.884 (1.0)
cmyn4* 0.5 0.0 0.117 0.25
standard and adapted CIELAB
LAB*LAB 87.67 -7.09 2.28
LAB*LABa 87.67 -7.09 2.28
LAB*LABb 7.46 162.22

relative CIELAB lab*
lab*lab 0.699 -0.237 0.076
lab*tch 0.625 0.25 0.451
lab*nch 0.25 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.699 -0.249 0.0
lab*tce 0.625 0.25 0.5
lab*nce 0.25 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.383 (1.0)
cmyn3* 0.75 0.5 0.617 (0.0)
olvi4* 0.5 1.0 0.884 (1.0)
cmyn4* 0.25 0.0 0.117 0.5
standard and adapted CIELAB
LAB*LAB 81.25 -7.09 2.28
LAB*LABa 81.25 -7.09 2.28
LAB*LABb 7.46 162.22

relative CIELAB lab*
lab*lab 0.449 -0.237 0.076
lab*tch 0.375 0.25 0.451
lab*nch 0.25 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.449 -0.249 0.0
lab*tce 0.375 0.25 0.5
lab*nce 0.25 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.267 (1.0)
cmyn3* 1.0 0.5 0.733 (0.0)
olvi4* 0.5 1.0 0.767 0.5
cmyn4* 0.5 0.0 0.233 0.5
standard and adapted CIELAB
LAB*LAB 79.94 -14.2 4.56
LAB*LABa 79.94 -14.2 4.56
LAB*LABb 25.01 14.92 162.22

relative CIELAB lab*
lab*lab 0.648 -0.475 0.153
lab*tch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.648 -0.489 0.0
lab*tce 0.5 0.5 0.5
lab*nce 0.25 0.5 0.998

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.65 (1.0)
cmyn3* 0.75 0.0 0.35 (0.0)
olvi4* 0.25 1.0 0.653 1.0
cmyn4* 0.75 0.0 0.35 0.0
standard and adapted CIELAB
LAB*LAB 91.48 -21.3 6.83
LAB*LABa 91.48 -21.3 6.83
LAB*LABb 62.5 22.38 162.23

relative CIELAB lab*
lab*lab 0.847 -0.713 0.229
lab*tch 0.625 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*trj 0.847 -0.749 0.0
lab*tce 0.625 0.75 0.5
lab*nce 0.0 0.75 0.006

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.517 (1.0)
cmyn3* 0.75 0.25 0.483 (0.0)
olvi4* 0.5 1.0 0.767 0.75
cmyn4* 0.5 0.0 0.233 0.25
standard and adapted CIELAB
LAB*LAB 86.37 -14.2 4.56
LAB*LABa 86.37 -14.2 4.56
LAB*LABb 50.0 14.92 162.22

relative CIELAB lab*
lab*lab 0.648 -0.475 0.153
lab*tch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.648 -0.489 0.0
lab*tce 0.5 0.5 0.5
lab*nce 0.25 0.5 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.267 (1.0)
cmyn3* 1.0 0.5 0.733 (0.0)
olvi4* 0.5 1.0 0.767 0.5
cmyn4* 0.5 0.0 0.233 0.5
standard and adapted CIELAB
LAB*LAB 79.94 -14.2 4.56
LAB*LABa 79.94 -14.2 4.56
LAB*LABb 25.01 14.92 162.22

relative CIELAB lab*
lab*lab 0.648 -0.475 0.153
lab*tch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.648 -0.489 0.0
lab*tce 0.5 0.5 0.5
lab*nce 0.25 0.5 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.267 (1.0)
cmyn3* 1.0 0.5 0.733 (0.0)
olvi4* 0.5 1.0 0.767 0.5
cmyn4* 0.5 0.0 0.233 0.5
standard and adapted CIELAB
LAB*LAB 79.94 -14.2 4.56
LAB*LABa 79.94 -14.2 4.56
LAB*LABb 25.01 14.92 162.22

relative CIELAB lab*
lab*lab 0.648 -0.475 0.153
lab*tch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.648 -0.489 0.0
lab*tce 0.5 0.5 0.5
lab*nce 0.25 0.5 0.998

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

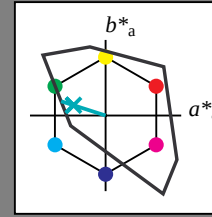
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.59 0.0 0.0
LAB*LABa 82.59 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.13 0.0 0.0
LAB*LABa 76.13 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*LABb 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.913 (1.0)
cmyn3* 0.25 0.0 0.087 (0.0)
olvi4* 0.75 1.0 0.913 1.0
cmyn4* 0.25 0.0 0.087 0.0
standard and adapted CIELAB
LAB*LAB 90.57 -29.42 9.43
LAB*LABa 90.57 -29.42 9.43
LAB*LABb 5.44 162.24

relative CIELAB lab*
lab*lab 0.975 -0.237 0.076
lab*tch 0.875 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.975 -0.249 0.0
lab*tce 0.875 0.25 0.5
lab*nce 0.0 0.25 0.006

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.663 (1.0)
cmyn3* 0.5 0.25 0.337 (0.0)
olvi4* 0.5 1.0 0.913 0.75
cmyn4* 0.25 0.0 0.087 0.25
standard and adapted CIELAB
LAB*LAB 89.15 -14.71 4.72
LAB*LABa 89.15 -14.71 4.72
LAB*LABb 15.45 162.22

relative CIELAB lab*
lab*lab 0.725 -0.237 0.076
lab*tch 0.625 0.25 0.451
lab*nch 0.25 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.725 -0.249 0.0
lab*tce 0.625 0.25 0.5
lab*nce 0.25 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.413 (1.0)
cmyn3* 0.75 0.5 0.587 (0.0)
olvi4* 0.5 1.0 0.913 0.5
cmyn4* 0.25 0.0 0.087 0.5
standard and adapted CIELAB
LAB*LAB 84.3 -14.71 4.72
LAB*LABa 84.3 -14.71 4.72
LAB*LABb 15.45 162.22

relative CIELAB lab*
lab*lab 0.475 -0.237 0.076
lab*tch 0.375 0.25 0.451
lab*nch 0.25 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.475 -0.249 0.0
lab*tce 0.375 0.25 0.5
lab*nce 0.25 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.326 (1.0)
cmyn3* 1.0 0.5 0.674 (0.0)
olvi4* 0.5 1.0 0.826 0.5
cmyn4* 0.5 0.0 0.174 0.5
standard and adapted CIELAB
LAB*LAB 76.13 -14.71 4.72
LAB*LABa 76.13 -14.71 4.72
LAB*LABb 30.91 162.22

relative CIELAB lab*
lab*lab 0.699 -0.475 0.153
lab*tch 0.625 0.75 0.451
lab*nch 0.25 0.75 0.451
relative Natural Colour (NC)
lab*trj 0.699 -0.489 0.0
lab*tce 0.625 0.75 0.5
lab*nce 0.25 0.75 0.998

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.74 (1.0)
cmyn3* 0.75 0.0 0.26 (0.0)
olvi4* 0.25 1.0 0.74 1.0
cmyn4* 0.75 0.0 0.26 0.0
standard and adapted CIELAB
LAB*LAB 88.16 -44.13 14.15
LAB*LABa 88.16 -44.13 14.15
LAB*LABb 62.5 46.35 162.23

relative CIELAB lab*
lab*lab 0.924 -0.713 0.229
lab*tch 0.625 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*trj 0.924 -0.749 0.0
lab*tce 0.625 0.75 0.5
lab*nce 0.0 0.75 0.006

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.517 (1.0)
cmyn3* 0.75 0.25 0.483 (0.0)
olvi4*

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

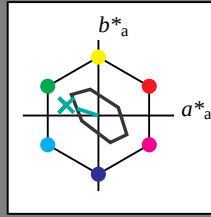
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*LABb	99.99	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0
LAB*LABb	75.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	82.56	0.0	0.0	0.0
LAB*LABa	82.56	0.0	0.0	0.0
LAB*LABb	50.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	76.13	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0
LAB*LABb	25.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.76	(1.0)
cmyn3*	0.5	0.0	0.233	(0.0)
olvi4*	0.5	1.0	0.0	0.0
cmyn4*	0.5	0.0	0.233	0.0
standard and adapted CIELAB				
LAB*LAB	92.14	0.0	0.0	0.0
LAB*LABa	92.14	0.0	0.0	0.0
LAB*LABb	75.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.949	-0.237	0.076	0.0
lab*tch	0.875	0.25	0.451	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.949	-0.249	0.0	0.0
lab*tce	0.875	0.25	0.5	0.0
lab*nce	0.0	0.25	0.006	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.75	0.633	(1.0)
cmyn3*	0.5	0.25	0.367	(0.0)
olvi4*	0.5	1.0	0.0	0.0
cmyn4*	0.25	0.0	0.117	0.25
standard and adapted CIELAB				
LAB*LAB	87.67	0.0	0.0	0.0
LAB*LABa	87.67	0.0	0.0	0.0
LAB*LABb	75.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.699	-0.237	0.076	0.0
lab*tch	0.625	0.25	0.451	0.0
lab*nch	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.699	-0.249	0.0	0.0
lab*tce	0.625	0.25	0.5	0.0
lab*nce	0.25	0.25	0.998	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.383	(1.0)
cmyn3*	0.75	0.5	0.617	(0.0)
olvi4*	1.0	1.0	0.0	0.0
cmyn4*	0.25	0.0	0.083	0.5
standard and adapted CIELAB				
LAB*LAB	81.25	0.0	0.0	0.0
LAB*LABa	81.25	0.0	0.0	0.0
LAB*LABb	50.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.449	-0.237	0.076	0.0
lab*tch	0.375	0.25	0.451	0.0
lab*nch	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.449	-0.249	0.0	0.0
lab*tce	0.375	0.25	0.5	0.0
lab*nce	0.25	0.25	0.998	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.267	(1.0)
cmyn3*	1.0	0.5	0.733	(0.0)
olvi4*	1.0	0.5	0.0	0.0
cmyn4*	0.5	0.0	0.233	0.5
standard and adapted CIELAB				
LAB*LAB	79.94	0.0	0.0	0.0
LAB*LABa	79.94	0.0	0.0	0.0
LAB*LABb	25.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.398	-0.475	0.153	0.0
lab*tch	0.25	0.5	0.451	0.0
lab*nch	0.5	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.398	-0.489	0.0	0.0
lab*tce	0.25	0.5	0.5	0.0
lab*nce	0.5	0.5	0.998	0.0

$n^* = 0,50$

0,25

0,50

0,75

1,00

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSEX

for hue $h^* = lab^*h = 165/360 = 0.458$

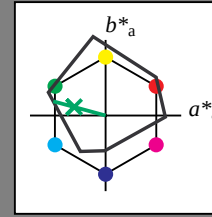
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 49 72 165

olv*Ma: 0.0 1.0 0.15

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	0.0	1.0	1.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	96.31	0.0	0.0	0.0
LAB*LABa	96.31	0.0	0.0	0.0
LAB*LABb	99.99	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.38	0.0	0.0	0.0
LAB*LABa	76.38	0.0	0.0	0.0
LAB*LABb	75.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

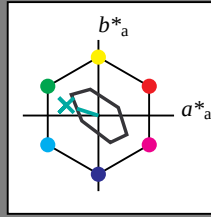
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness t^*



	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)	0.0	0.0	0.0	0.0	0.0
olvi3*	0.0	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0
olvi8*	0.0	0.0	0.0	0.0	0.0
olvi9*	0.0	0.0	0.0	0.0	0.0
olvi10*	0.0	0.0	0.0	0.0	0.0
olvi11*	0.0	0.0	0.0	0.0	0.0
olvi12*	0.0	0.0	0.0	0.0	0.0
olvi13*	0.0	0.0	0.0	0.0	0.0
olvi14*	0.0	0.0	0.0	0.0	0.0
olvi15*	0.0	0.0	0.0	0.0	0.0
olvi16*	0.0	0.0	0.0	0.0	0.0
olvi17*	0.0	0.0	0.0	0.0	0.0
olvi18*	0.0	0.0	0.0	0.0	0.0
olvi19*	0.0	0.0	0.0	0.0	0.0
olvi20*	0.0	0.0	0.0	0.0	0.0
olvi21*	0.0	0.0	0.0	0.0	0.0
olvi22*	0.0	0.0	0.0	0.0	0.0
olvi23*	0.0	0.0	0.0	0.0	0.0
olvi24*	0.0	0.0	0.0	0.0	0.0
olvi25*	0.0	0.0	0.0	0.0	0.0
olvi26*	0.0	0.0	0.0	0.0	0.0
olvi27*	0.0	0.0	0.0	0.0	0.0
olvi28*	0.0	0.0	0.0	0.0	0.0
olvi29*	0.0	0.0	0.0	0.0	0.0
olvi30*	0.0	0.0	0.0	0.0	0.0
olvi31*	0.0	0.0	0.0	0.0	0.0
olvi32*	0.0	0.0	0.0	0.0	0.0
olvi33*	0.0	0.0	0.0	0.0	0.0
olvi34*	0.0	0.0	0.0	0.0	0.0
olvi35*	0.0	0.0	0.0	0.0	0.0
olvi36*	0.0	0.0	0.0	0.0	0.0
olvi37*	0.0	0.0	0.0	0.0	0.0
olvi38*	0.0	0.0	0.0	0.0	0.0
olvi39*	0.0	0.0	0.0	0.0	0.0
olvi40*	0.0	0.0	0.0	0.0	0.0
olvi41*	0.0	0.0	0.0	0.0	0.0
olvi42*	0.0	0.0	0.0	0.0	0.0
olvi43*	0.0	0.0	0.0	0.0	0.0
olvi44*	0.0	0.0	0.0	0.0	0.0
olvi45*	0.0	0.0	0.0	0.0	0.0
olvi46*	0.0	0.0	0.0	0.0	0.0
olvi47*	0.0	0.0	0.0	0.0	0.0
olvi48*	0.0	0.0	0.0	0.0	0.0
olvi49*	0.0	0.0	0.0	0.0	0.0
olvi50*	0.0	0.0	0.0	0.0	0.0
olvi51*	0.0	0.0	0.0	0.0	0.0
olvi52*	0.0	0.0	0.0	0.0	0.0
olvi53*	0.0	0.0	0.0	0.0	0.0
olvi54*	0.0	0.0	0.0	0.0	0.0
olvi55*	0.0	0.0	0.0	0.0	0.0
olvi56*	0.0	0.0	0.0	0.0	0.0
olvi57*	0.0	0.0	0.0	0.0	0.0
olvi58*	0.0	0.0	0.0	0.0	0.0
olvi59*	0.0	0.0	0.0	0.0	0.0
olvi60*	0.0	0.0	0.0	0.0	0.0
olvi61*	0.0	0.0	0.0	0.0	0.0
olvi62*	0.0	0.0	0.0	0.0	0.0
olvi63*	0.0	0.0	0.0	0.0	0.0
olvi64*	0.0	0.0	0.0	0.0	0.0
olvi65*	0.0	0.0	0.0	0.0	0.0
olvi66*	0.0	0.0	0.0	0.0	0.0
olvi67*	0.0	0.0	0.0	0.0	0.0
olvi68*	0.0	0.0	0.0	0.0	0.0
olvi69*	0.0	0.0	0.0	0.0	0.0
olvi70*	0.0	0.0	0.0	0.0	0.0
olvi71*	0.0	0.0	0.0	0.0	0.0
olvi72*	0.0	0.0	0.0	0.0	0.0
olvi73*	0.0	0.0	0.0	0.0	0.0
olvi74*	0.0	0.0	0.0	0.0	0.0
olvi75*	0.0	0.0	0.0	0.0	0.0
olvi76*	0.0	0.0	0.0	0.0	0.0
olvi77*	0.0	0.0	0.0	0.0	0.0
olvi78*	0.0	0.0	0.0	0.0	0.0
olvi79*	0.0	0.0	0.0	0.0	0.0
olvi80*	0.0	0.0	0.0	0.0	0.0
olvi81*	0.0	0.0	0.0	0.0	0.0
olvi82*	0.0	0.0	0.0	0.0	0.0
olvi83*	0.0	0.0	0.0	0.0	0.0
olvi84*	0.0	0.0	0.0	0.0	0.0
olvi85*	0.0	0.0	0.0	0.0	0.0
olvi86*	0.0	0.0	0.0	0.0	0.0
olvi87*	0.0	0.0	0.0	0.0	0.0
olvi88*	0.0	0.0	0.0	0.0	0.0
olvi89*	0.0	0.0	0.0	0.0	0.0
olvi90*	0.0	0.0	0.0	0.0	0.0
olvi91*	0.0	0.0	0.0	0.0	0.0
olvi92*	0.0	0.0	0.0	0.0	0.0
olvi93*	0.0	0.0	0.0	0.0	0.0
olvi94*	0.0	0.0	0.0	0.0	0.0
olvi95*	0.0	0.0	0.0	0.0	0.0
olvi96*	0.0	0.0	0.0	0.0	0.0
olvi97*	0.0	0.0	0.0	0.0	0.0
olvi98*	0.0	0.0	0.0	0.0	0.0
olvi99*	0.0	0.0	0.0	0.0	0.0
olvi100*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	0.0	0.0	0.0	0.0	0.0
olvi3*	0.0	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0
olvi8*	0.0	0.0	0.0	0.0	0.0
olvi9*	0.0	0.0	0.0	0.0	0.0
olvi10*	0.0	0.0	0.0	0.0	0.0
olvi11*	0.0	0.0	0.0	0.0	0.0
olvi12*	0.0	0.0	0.0	0.0	0.0
olvi13*	0.0	0.0	0.0	0.0	0.0
olvi14*	0.0	0.0	0.0	0.0	0.0
olvi15*	0.0	0.0	0.0	0.0	0.0
olvi16*	0.0	0.0	0.0	0.0	0.0
olvi17*	0.0	0.0	0.0	0.0	0.0
olvi18*	0.0	0.0	0.0	0.0	0.0
olvi19*	0.0	0.0	0.0	0.0	0.0
olvi20*	0.0	0.0	0.0	0.0	0.0
olvi21*	0.0	0.0	0.0	0.0	0.0
olvi22*	0.0	0.0	0.0	0.0	0.0
olvi23*	0.0	0.0	0.0	0.0	0.0
olvi24*	0.0	0.0	0.0	0.0	0.0
olvi25*	0.0	0.0	0.0	0.0	0.0
olvi26*	0.0	0.0	0.0	0.0	0.0
olvi27*	0.0	0.0	0.0	0.0	0.0
olvi28*	0.0	0.0	0.0	0.0	0.0
olvi29*	0.0	0.0	0.0	0.0	0.0
olvi30*	0.0	0.0	0.0	0.0	0.0
olvi31*	0.0	0.0	0.0	0.0	0.0
olvi32*	0.0	0.0	0.0	0.0	0.0
olvi33*	0.0	0.0	0.0	0.0	0.0
olvi34*	0.0	0.0	0.0	0.0	0.0
olvi35*	0.0	0.0	0.0	0.0	0.0
olvi36*	0.0	0.0	0.0	0.0	0.0
olvi37*	0.0	0.0	0.0	0.0	0.0
olvi38*	0.0	0.0	0.0	0.0	0.0
olvi39*	0.0	0.0	0.0	0.0	0.0
olvi40*	0.0	0.0	0.0	0.0	0.0
olvi41*	0.0	0.0	0.0	0.0	0.0
olvi42*	0.0	0.0	0.0	0.0	0.0
olvi43*	0.0	0.0	0.0	0.0	0.0
olvi44*	0.0	0.0	0.0	0.0	0.0
olvi45*	0.0	0.0	0.0	0.0	0.0
olvi46*	0.0	0.0	0.0	0.0	0.0
olvi47*	0.0	0.0	0.0	0.0	0.0
olvi48*	0.0	0.0	0.0	0.0	0.0
olvi49*	0.0	0.0	0.0	0.0	0.0
olvi50*	0.0	0.0	0.0	0.0	0.0
olvi51*	0.0	0.0	0.0	0.0	0.0
olvi52*	0.0	0.0	0.0	0.0	0.0
olvi53*	0.0	0.0	0.0	0.0	0.0
olvi54*	0.0	0.0	0.0	0.0	0.0
olvi55*	0.0	0.0	0.0	0.0	0.0
olvi56*	0.0	0.0	0.0	0.0	0.0
olvi57*	0.0	0.0	0.0	0.0	0.0
olvi58*	0.0	0.0	0.0	0.0	0.0
olvi59*	0.0	0.0	0.0	0.0	0.0
olvi60*	0.0	0.0	0.0	0.0	0.0
olvi61*	0.0	0.0	0.0	0.0	0.0
olvi62*	0.0	0.0	0.0	0.0	0.0
olvi63*	0.0	0.0	0.0	0.0	0.0
olvi64*	0.0	0.0	0.0	0.0	0.0
olvi65*	0.0	0.0	0.0	0.0	0.0
olvi66*	0.0	0.0	0.0	0.0	0.0
olvi67*	0.0	0.0	0.0	0.0	0.0
olvi68*	0.0	0.0	0.0	0.0	0.0
olvi69*	0.0	0.0	0.0	0.0	0.0
olvi70*	0.0	0.0	0.0	0.0	0.0
olvi71*	0.0	0.0	0.0	0.0	0.0
olvi72*	0.0	0.0	0.0	0.0	0.0
olvi73*	0.0	0.0	0.0	0.0	0.0
olvi74*	0.0	0.0	0.0	0.0	0.0
olvi75*	0.0	0.0	0.0	0.0	0.0
olvi76*	0.0	0.0	0.0	0.0	0.0
olvi77*	0.0	0.0	0.0	0.0	0.0
olvi78*	0.0	0.0	0.0	0.0	0.0
olvi79*	0.0	0.0	0.0	0.0	0.0
olvi80*	0.0	0.0	0.0	0.0	0.0
olvi81*	0.0	0.0	0.0	0.0	0.0
olvi82*	0.0	0.0	0.0	0.0	0.0
olvi83*	0.0	0.0	0.0	0.0	0.0
olvi84*	0.0	0.0	0.0	0.0	0.0
olvi85*	0.0	0.0	0.0	0.0	0.0
olvi86*	0.0	0.0	0.0	0.0	0.0
olvi87*	0.0	0.0	0.0	0.0	0.0
olvi88*	0.0	0.0	0.0	0.0	0.0
olvi89*	0.0	0.0	0.0	0.0	0.0
olvi90*	0.0	0.0	0.0	0.0	0.0
olvi91*	0.0	0.0	0.0	0.0	0.0
olvi92*	0.0	0.0	0.0	0.0	0.0
olvi93*	0.0	0.0	0.0	0.0	0.0
olvi94*	0.0	0.0	0.0	0.0	0.0
olvi95*	0.0	0.0	0.0	0.0	0.0
olvi96*	0.0	0.0	0.0	0.0	0.0
olvi97*	0.0	0.0	0.0	0.0	0.0
olvi98*	0.0	0.0	0.0	0.0	0.0
olvi99*	0.0	0.0	0.0	0.0	0.0

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

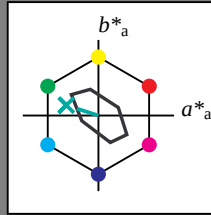
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ 0.0$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 88.98 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ 0.0$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 82.59 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ 0.0$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.13 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 69.7 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.0 \ 0.0 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 1.0 \ 0.76 \ 0.0$
 $cmyn3^* \ 0.5 \ 0.0 \ 0.233 \ 0.0$
 $olvi4^* \ 0.5 \ 1.0 \ 0.884 \ 0.5$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.233 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 92.14 \ 0.0 \ 0.0$
 $LAB^*TCha \ 92.79 \ -14.2 \ 4.55$
 $LAB^*TCha \ 75.0 \ 14.92 \ 162.23$

relative CIELAB lab*
 $lab^*lab \ 0.898 \ -0.475 \ 0.153$
 $lab^*tch \ 0.75 \ 0.5 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.898 \ -0.459 \ 0.0$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5$
 $lab^*nce \ 0.0 \ 0.5 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.75 \ 0.517 \ 0.0$
 $cmyn3^* \ 0.75 \ 0.25 \ 0.483 \ 0.0$
 $olvi4^* \ 0.5 \ 1.0 \ 0.767 \ 0.75$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.233 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 86.37 \ -14.2 \ 4.56$
 $LAB^*TCha \ 50.0 \ 14.92 \ 162.22$

relative CIELAB lab*
 $lab^*lab \ 0.648 \ -0.475 \ 0.153$
 $lab^*tch \ 0.5 \ 0.5 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.648 \ -0.459 \ 0.0$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5$
 $lab^*nce \ 0.25 \ 0.5 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.5 \ 0.267 \ 0.0$
 $cmyn3^* \ 1.0 \ 0.5 \ 0.733 \ 0.0$
 $olvi4^* \ 0.5 \ 1.0 \ 0.767 \ 0.5$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.233 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 79.94 \ -14.2 \ 4.56$
 $LAB^*TCha \ 25.0 \ 14.92 \ 162.22$

relative CIELAB lab*
 $lab^*lab \ 0.398 \ -0.475 \ 0.153$
 $lab^*tch \ 0.25 \ 0.5 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.398 \ -0.459 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.5$
 $lab^*nce \ 0.5 \ 0.5 \ 0.0$

$n^* = 0,50$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.25 \ 0.133 \ 0.0$
 $cmyn3^* \ 1.0 \ 0.75 \ 0.867 \ 0.0$
 $olvi4^* \ 0.5 \ 1.0 \ 0.884 \ 0.25$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.117 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 74.82 \ -7.09 \ 2.28$
 $LAB^*TCha \ 12.5 \ 7.46 \ 162.21$

relative CIELAB lab*
 $lab^*lab \ 0.199 \ -0.237 \ 0.076$
 $lab^*tch \ 0.125 \ 0.25 \ 0.451$
 $lab^*nch \ 0.0 \ 0.25 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.199 \ -0.249 \ 0.0$
 $lab^*tce \ 0.125 \ 0.25 \ 0.5$
 $lab^*nce \ 0.75 \ 0.25 \ 0.0$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

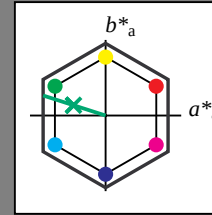
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 39 87 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ 0.0$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.75$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ 0.0$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.5$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ 0.0$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 1.0 \ 0.884 \ 0.0$
 $cmyn3^* \ 0.5 \ 0.0 \ 0.389 \ 0.0$
 $olvi4^* \ 0.5 \ 1.0 \ 0.884 \ 0.5$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.389 \ 0.0$
 standard and adapted CIELAB
 $LAB^*LAB \ 67.14 \ -41.29 \ 13.24$
 $LAB^*TCha \ 75.0 \ 43.37 \ 162.23$

relative CIELAB lab*
 $lab^*lab \ 0.704 \ -0.475 \ 0.153$
 $lab^*tch \ 0.75 \ 0.5 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.704 \ -0.459 \ 0.0$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5$
 $lab^*nce \ 0.0 \ 0.5 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.75 \ 0.536 \ 0.0$
 $cmyn3^* \ 0.75 \ 0.25 \ 0.444 \ 0.0$
 $olvi4^* \ 0.5 \ 1.0 \ 0.884 \ 0.75$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.194 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB \ 57.43 \ -20.65 \ 6.62$
 $LAB^*TCha \ 50.0 \ 43.37 \ 162.22$

relative CIELAB lab*
 $lab^*lab \ 0.602 \ -0.237 \ 0.076$
 $lab^*tch \ 0.625 \ 0.25 \ 0.451$
 $lab^*nch \ 0.0 \ 0.25 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.602 \ -0.249 \ 0.0$
 $lab^*tce \ 0.625 \ 0.25 \ 0.5$
 $lab^*nce \ 0.25 \ 0.25 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.5 \ 0.306 \ 0.0$
 $cmyn3^* \ 0.75 \ 0.5 \ 0.694 \ 0.0$
 $olvi4^* \ 0.5 \ 1.0 \ 0.884 \ 0.5$
 $cmyn4^* \ 0.25 \ 0.0 \ 0.194 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 33.58 \ -20.65 \ 6.62$
 $LAB^*TCha \ 37.5 \ 21.69 \ 162.22$

relative CIELAB lab*
 $lab^*lab \ 0.454 \ -0.475 \ 0.153$
 $lab^*tch \ 0.5 \ 0.5 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.454 \ -0.459 \ 0.0$
 $lab^*tce \ 0.5 \ 0.5 \ 0.5$
 $lab^*nce \ 0.25 \ 0.5 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.5 \ 0.111 \ 0.0$
 $cmyn3^* \ 1.0 \ 0.5 \ 0.889 \ 0.0$
 $olvi4^* \ 0.5 \ 1.0 \ 0.884 \ 0.25$
 $cmyn4^* \ 0.5 \ 0.0 \ 0.389 \ 0.5$
 standard and adapted CIELAB
 $LAB^*LAB \ 19.45 \ -41.29 \ 13.25$
 $LAB^*TCha \ 25.01 \ 43.37 \ 162.21$

relative CIELAB lab*
 $lab^*lab \ 0.204 \ -0.475 \ 0.153$
 $lab^*tch \ 0.25 \ 0.5 \ 0.451$
 $lab^*nch \ 0.0 \ 0.5 \ 0.451$
 relative Natural Colour (NC)
 $lab^*trj \ 0.204 \ -0.459 \ 0.0$
 $lab^*tce \ 0.25 \ 0.5 \ 0.5$
 $lab^*nce \ 0.5 \ 0.5 \ 0.0$

0,25

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

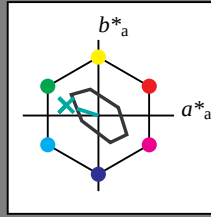
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.59	0.0	0.0
LAB*LABa	82.59	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.76	(1.0)
cmyn3*	0.5	0.0	0.233	(0.0)
olvi4*	0.5	1.0	0.884	(0.0)
cmyn4*	0.5	0.0	0.233	(0.0)

standard and adapted CIELAB

LAB*LAB	92.79	-14.2	4.55
LAB*LABa	92.79	-14.2	4.55
LAB*LABb	75.0	14.92	162.22

relative CIELAB lab*

lab*lab	0.949	-0.237	0.076
lab*tch	0.875	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.949	-0.249	0.0
lab*tce	0.875	0.25	0.5
lab*nce	0.0	0.25	0.006

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.633	(1.0)
cmyn3*	0.5	0.25	0.367	(0.0)
olvi4*	0.75	1.0	0.884	(0.0)
cmyn4*	0.25	0.0	0.117	0.25

standard and adapted CIELAB

LAB*LAB	87.67	-7.09	2.28
LAB*LABa	87.67	-7.09	2.28
LAB*LABb	50.0	14.92	162.22

relative CIELAB lab*

lab*lab	0.699	-0.237	0.076
lab*tch	0.625	0.25	0.451
lab*nch	0.25	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.699	-0.249	0.0
lab*tce	0.625	0.25	0.5
lab*nce	0.25	0.25	0.998

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.517	(1.0)
cmyn3*	0.75	0.25	0.483	(0.0)
olvi4*	0.5	1.0	0.767	0.75
cmyn4*	0.5	0.0	0.233	0.25

standard and adapted CIELAB

LAB*LAB	86.37	-14.2	4.56
LAB*LABa	86.37	-14.2	4.56
LAB*LABb	50.0	14.92	162.22

relative CIELAB lab*

lab*lab	0.648	-0.475	0.153
lab*tch	0.5	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.648	-0.489	0.0
lab*tce	0.5	0.5	0.5
lab*nce	0.25	0.5	0.998

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.267	(1.0)
cmyn3*	1.0	0.5	0.733	(0.0)
olvi4*	0.5	1.0	0.767	0.5
cmyn4*	0.5	0.0	0.233	0.5

standard and adapted CIELAB

LAB*LAB	79.94	-14.2	4.56
LAB*LABa	79.94	-14.2	4.56
LAB*LABb	25.0	14.92	162.22

relative CIELAB lab*

lab*lab	0.398	-0.475	0.153
lab*tch	0.25	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.398	-0.489	0.0
lab*tce	0.25	0.5	0.5
lab*nce	0.5	0.5	0.998

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 162/360 = 0.451$

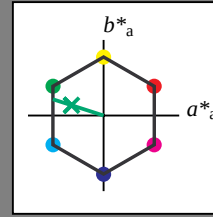
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 50 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.0	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.72	0.0	0.0
LAB*LABa	76.72	0.0	0.0
LAB*LABb	50.0	29.84	162.22

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.0	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

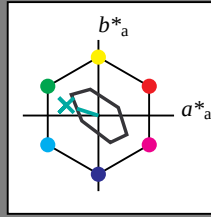
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness t^*



%Gamut
 $u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	88.98	0.0	0.0
LAB*LABc	88.98	0.0	0.0

relative CIELAB lab*

lab*lab	0.949	-0.237	0.076
lab*tch	0.875	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.949	-0.237	0.076
lab*tce	0.875	0.25	0.451
lab*nce	0.0	0.25	0.451

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*LABb	82.56	0.0	0.0
LAB*LABc	82.56	0.0	0.0

relative CIELAB lab*

lab*lab	0.699	-0.237	0.076
lab*tch	0.625	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.699	-0.237	0.076
lab*tce	0.625	0.25	0.451
lab*nce	0.0	0.25	0.451

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	76.13	0.0	0.0
LAB*LABc	76.13	0.0	0.0

relative CIELAB lab*

lab*lab	0.449	-0.237	0.076
lab*tch	0.375	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.449	-0.237	0.076
lab*tce	0.375	0.25	0.451
lab*nce	0.0	0.25	0.451

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	69.7	0.0	0.0
LAB*LABc	69.7	0.0	0.0

relative CIELAB lab*

lab*lab	0.199	-0.237	0.076
lab*tch	0.125	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.199	-0.237	0.076
lab*tce	0.125	0.25	0.451
lab*nce	0.0	0.25	0.451

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.76	(1.0)
cmyn3*	0.5	0.0	0.233	(0.0)
olvi4*	0.5	1.0	0.76	0.5
cmyn4*	0.5	0.0	0.233	0.0

standard and adapted CIELAB

LAB*LAB	92.79	-14.2	4.55
LAB*LABa	92.79	-14.2	4.55
LAB*LABb	92.79	-14.2	4.55
LAB*LABc	92.79	-14.2	4.55

relative CIELAB lab*

lab*lab	0.898	-0.475	0.153
lab*tch	0.75	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.898	-0.475	0.153
lab*tce	0.75	0.5	0.451
lab*nce	0.0	0.5	0.451

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.517	(1.0)
cmyn3*	0.75	0.25	0.483	(0.0)
olvi4*	0.5	1.0	0.767	0.5
cmyn4*	0.5	0.0	0.233	0.25

standard and adapted CIELAB

LAB*LAB	86.37	-14.2	4.56
LAB*LABa	86.37	-14.2	4.56
LAB*LABb	86.37	-14.2	4.56
LAB*LABc	86.37	-14.2	4.56

relative CIELAB lab*

lab*lab	0.648	-0.475	0.153
lab*tch	0.5	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.648	-0.475	0.153
lab*tce	0.5	0.5	0.451
lab*nce	0.0	0.5	0.451

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.267	(1.0)
cmyn3*	1.0	0.5	0.733	(0.0)
olvi4*	0.5	1.0	0.767	0.5
cmyn4*	0.5	0.0	0.233	0.5

standard and adapted CIELAB

LAB*LAB	79.94	-14.2	4.56
LAB*LABa	79.94	-14.2	4.56
LAB*LABb	79.94	-14.2	4.56
LAB*LABc	79.94	-14.2	4.56

relative CIELAB lab*

lab*lab	0.398	-0.475	0.153
lab*tch	0.25	0.5	0.451
lab*nch	0.0	0.5	0.451

relative Natural Colour (NC)

lab*trj	0.398	-0.475	0.153
lab*tce	0.25	0.5	0.451
lab*nce	0.0	0.5	0.451

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.133	(1.0)
cmyn3*	1.0	0.25	0.617	(0.0)
olvi4*	0.5	1.0	0.883	0.25
cmyn4*	0.5	0.0	0.117	0.25

standard and adapted CIELAB

LAB*LAB	74.82	-7.09	2.28
LAB*LABa	74.82	-7.09	2.28
LAB*LABb	74.82	-7.09	2.28
LAB*LABc	74.82	-7.09	2.28

relative CIELAB lab*

lab*lab	0.199	-0.237	0.076
lab*tch	0.125	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.199	-0.237	0.076
lab*tce	0.125	0.25	0.451
lab*nce	0.0	0.25	0.451

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

$c^* = 1,00$

$c^* = 0,75$

$c^* = 0,50$

$c^* = 0,25$

$c^* = 0,00$

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

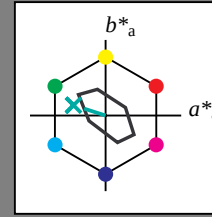
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness t^*



%Gamut
 $u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	88.98	0.0	0.0
LAB*LABc	88.98	0.0	0.0

relative CIELAB lab*

lab*lab	0.949	-0.237	0.076
lab*tch	0.875	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.949	-0.237	0.076
lab*tce	0.875	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*LABb	82.56	0.0	0.0
LAB*LABc	82.56	0.0	0.0

relative CIELAB lab*

lab*lab	0.699	-0.237	0.076
lab*tch	0.625	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.699	-0.237	0.076
lab*tce	0.625	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	76.13	0.0	0.0
LAB*LABc	76.13	0.0	0.0

relative CIELAB lab*

lab*lab	0.449	-0.237	0.076
lab*tch	0.375	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.449	-0.237	0.076
lab*tce	0.375	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	69.7	0.0	0.0
LAB*LABc	69.7	0.0	0.0

relative CIELAB lab*

lab*lab	0.199	-0.237	0.076
lab*tch	0.125	0.25	0.451
lab*nch	0.0	0.25	0.451

relative Natural Colour (NC)

lab*trj	0.199	-0.237	0.076
lab*tce	0.125	0.25	0.451
lab*nch	0.0	0.25	0.451

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

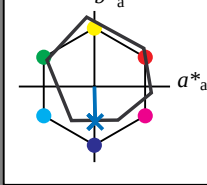
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.58	4.75	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	95.41	0.0	0.0	
LAB*LABc	95.41	0.0	0.0	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	76.06	0.0	0.0	
LAB*LABc	76.06	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.827	0.006	-0.249	
lab*lab	0.827	0.006	-0.249	
lab*lab	0.827	0.006	-0.249	
lab*lab	0.827	0.006	-0.249	
relative Natural Colour (NC)				
lab*lab	0.827	0.006	-0.249	
lab*lab	0.827	0.006	-0.249	
lab*lab	0.827	0.006	-0.249	
lab*lab	0.827	0.006	-0.249	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.24	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*LABb	56.71	0.0	0.0	
LAB*LABc	56.71	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	
LAB*LABa	37.36	0.0	0.0	
LAB*LABb	37.36	0.0	0.0	
LAB*LABc	37.36	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.05	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*LABb	18.02	0.0	0.0	
LAB*LABc	18.02	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	55.19	0.61	-31.48	
LAB*LABa	55.19	0.0	0.0	
LAB*LABb	55.19	0.0	0.0	
LAB*LABc	55.19	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.48	0.018	-0.749	
lab*lab	0.48	0.018	-0.749	
lab*lab	0.48	0.018	-0.749	
lab*lab	0.48	0.018	-0.749	
relative Natural Colour (NC)				
lab*lab	0.48	0.018	-0.749	
lab*lab	0.48	0.018	-0.749	
lab*lab	0.48	0.018	-0.749	
lab*lab	0.48	0.018	-0.749	

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	49.25	0.45	-20.7	
LAB*LABa	49.25	0.0	0.0	
LAB*LABb	49.25	0.0	0.0	
LAB*LABc	49.25	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.404	0.012	-0.499	
lab*lab	0.404	0.012	-0.499	
lab*lab	0.404	0.012	-0.499	
lab*lab	0.404	0.012	-0.499	
relative Natural Colour (NC)				
lab*lab	0.404	0.012	-0.499	
lab*lab	0.404	0.012	-0.499	
lab*lab	0.404	0.012	-0.499	
lab*lab	0.404	0.012	-0.499	

relative Inform. Technology (IT)				
olvi3*	0.0	0.125	0.125	(1.0)
cmyn3*	0.875	0.875	0.875	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	29.9	0.82	-22.01	
LAB*LABa	29.9	0.0	0.0	
LAB*LABb	29.9	0.0	0.0	
LAB*LABc	29.9	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.154	0.012	-0.499	
lab*lab	0.154	0.012	-0.499	
lab*lab	0.154	0.012	-0.499	
lab*lab	0.154	0.012	-0.499	
relative Natural Colour (NC)				
lab*lab	0.154	0.012	-0.499	
lab*lab	0.154	0.012	-0.499	
lab*lab	0.154	0.012	-0.499	
lab*lab	0.154	0.012	-0.499	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.05	-0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*LABb	18.02	0.0	0.0	
LAB*LABc	18.02	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

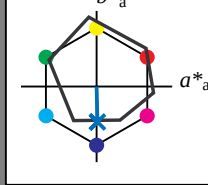
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.98	4.75	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	95.41	0.0	0.0	
LAB*LABc	95.41	0.0	0.0	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lrj	1.0	0.0	0.0	
lab*ec	1.0	0.0	0.0	
lab*ec	1.0	0.0	0.0	
lab*ec	1.0	0.0	0.0	

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

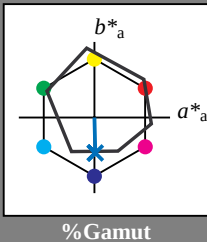
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.36	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.05	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	0.5	0.754	1.0	(1.0)
cmyn3*	0.5	0.256	0.0	(0.0)
olvi4*	0.5	0.754	1.0	(1.0)
cmyn4*	0.5	0.256	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	68.0	0.07	19.39
LAB*LABa	68.0	0.55	-22.34
LAB*LABb	50.0	22.36	27.14

relative CIELAB lab*

lab*lab	0.827	0.006	-0.249
lab*tch	0.827	0.25	0.754
lab*nch	0.0	0.25	0.754

relative Natural Colour (NC)

lab*trj	0.827	0.25	0.754
lab*tce	0.0	0.25	0.754
lab*nce	0.0	0.25	0.754

relative Inform. Technology (IT)

olvi3*	0.25	0.616	1.0	(1.0)
cmyn3*	0.75	0.384	0.0	(0.0)
olvi4*	0.25	0.616	1.0	(1.0)
cmyn4*	0.75	0.384	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	55.19	0.61	-31.48
LAB*LABa	55.19	0.82	-33.52
LAB*LABb	62.5	33.54	27.14

relative CIELAB lab*

lab*lab	0.48	0.018	-0.749
lab*tch	0.625	0.75	0.754
lab*nch	0.0	0.75	0.754

relative Natural Colour (NC)

lab*trj	0.48	0.0	-0.749
lab*tce	0.625	0.75	0.754
lab*nce	0.0	0.75	0.754

relative Inform. Technology (IT)

olvi3*	0.0	0.366	0.75	(1.0)
cmyn3*	1.0	0.634	0.25	(0.0)
olvi4*	0.25	0.616	1.0	(1.0)
cmyn4*	0.75	0.384	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	49.25	0.45	-20.7
LAB*LABa	49.25	0.55	-22.35
LAB*LABb	50.0	22.36	27.14

relative CIELAB lab*

lab*lab	0.404	0.012	-0.499
lab*tch	0.625	0.75	0.754
lab*nch	0.0	0.75	0.754

relative Natural Colour (NC)

lab*trj	0.404	0.0	-0.499
lab*tce	0.625	0.75	0.754
lab*nce	0.0	0.75	0.754

relative Inform. Technology (IT)

olvi3*	0.0	0.244	0.5	(1.0)
cmyn3*	1.0	0.756	0.0	(0.0)
olvi4*	0.5	0.744	1.0	(1.0)
cmyn4*	0.5	0.256	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	29.9	0.82	-22.01
LAB*LABa	29.9	0.55	-22.34
LAB*LABb	25.01	22.36	27.14

relative CIELAB lab*

lab*lab	0.154	0.012	-0.499
lab*tch	0.25	0.5	0.754
lab*nch	0.0	0.5	0.754

relative Natural Colour (NC)

lab*trj	0.154	0.0	-0.499
lab*tce	0.25	0.5	0.754
lab*nce	0.0	0.5	0.754

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

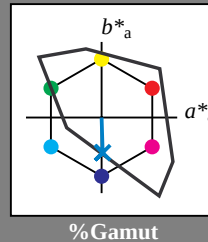
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.36	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

$n^* = 0,00$

0,25

blackness n^*

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

0,25

0,50

0,75

1,00

chromaticness c^*

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

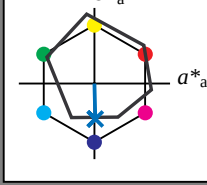
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	-36	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	0.5	0.754	1.0	(1.0)
cmyn3*	0.5	0.256	0.0	(0.0)
olvi4*	0.5	0.754	1.0	(1.0)
cmyn4*	0.5	0.256	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	68.0	0.07	19.39
LAB*LABa	68.0	0.55	-22.34
LAB*LABb	75.0	22.36	27.14

relative CIELAB lab*

lab*lab	0.654	0.012	-0.499
lab*tch	0.75	0.5	-0.754
lab*nch	0.0	0.5	-0.754

relative Natural Colour (NC)

lab*trj	0.49	0.0	-0.499
lab*tce	0.5	0.5	-0.754
lab*nce	0.0	0.5	-0.754

relative Inform. Technology (IT)

olvi3*	0.25	0.494	0.75	(1.0)
cmyn3*	0.75	0.506	0.25	(0.0)
olvi4*	0.5	0.754	1.0	(1.0)
cmyn4*	0.5	0.256	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	49.25	0.45	-20.7
LAB*LABa	49.25	0.55	-22.35
LAB*LABb	50.0	22.36	27.14

relative CIELAB lab*

lab*lab	0.404	0.012	-0.499
lab*tch	0.5	0.5	-0.754
lab*nch	0.0	0.5	-0.754

relative Natural Colour (NC)

lab*trj	0.404	0.0	-0.499
lab*tce	0.5	0.5	-0.754
lab*nce	0.0	0.5	-0.754

relative Inform. Technology (IT)

olvi3*	0.0	0.244	0.5	(1.0)
cmyn3*	1.0	0.756	0.5	(0.0)
olvi4*	0.5	0.754	1.0	(1.0)
cmyn4*	0.5	0.256	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	29.9	0.55	-22.34
LAB*LABa	29.9	0.55	-22.34
LAB*LABb	25.01	22.36	27.14

relative CIELAB lab*

lab*lab	0.154	0.012	-0.499
lab*tch	0.25	0.5	-0.754
lab*nch	0.0	0.5	-0.754

relative Natural Colour (NC)

lab*trj	0.154	0.0	-0.499
lab*tce	0.25	0.5	-0.754
lab*nce	0.0	0.5	-0.754

relative Inform. Technology (IT)

olvi3*	0.0	0.122	0.25	(1.0)
cmyn3*	1.0	0.778	0.75	(0.0)
olvi4*	0.75	0.872	1.0	(1.0)
cmyn4*	0.25	0.128	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.96	0.66	-11.23
LAB*LABa	23.96	0.28	-11.16
LAB*LABb	12.5	11.18	27.14

relative CIELAB lab*

lab*lab	0.077	0.006	-0.249
lab*tch	0.25	0.25	-0.754
lab*nch	0.0	0.25	-0.754

relative Natural Colour (NC)

lab*trj	0.077	0.0	-0.249
lab*tce	0.25	0.25	-0.754
lab*nce	0.0	0.25	-0.754

$n^* = 0,50$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

$n^* = 1,25$

$n^* = 1,50$

$n^* = 1,75$

$n^* = 2,00$

$n^* = 2,25$

$n^* = 2,50$

$n^* = 2,75$

$n^* = 3,00$

$n^* = 3,25$

$n^* = 3,50$

$n^* = 3,75$

$n^* = 4,00$

$n^* = 4,25$

$n^* = 4,50$

$n^* = 4,75$

$n^* = 5,00$

$n^* = 5,25$

$n^* = 5,50$

$n^* = 5,75$

$n^* = 6,00$

$n^* = 6,25$

$n^* = 6,50$

$n^* = 6,75$

$n^* = 7,00$

$n^* = 7,25$

$n^* = 7,50$

$n^* = 7,75$

$n^* = 8,00$

$n^* = 8,25$

$n^* = 8,50$

$n^* = 8,75$

$n^* = 9,00$

$n^* = 9,25$

$n^* = 9,50$

$n^* = 9,75$

$n^* = 10,00$

$n^* = 10,25$

$n^* = 10,50$

$n^* = 10,75$

$n^* = 11,00$

$n^* = 11,25$

$n^* = 11,50$

$n^* = 11,75$

$n^* = 12,00$

$n^* = 12,25$

$n^* = 12,50$

$n^* = 12,75$

$n^* = 13,00$

$n^* = 13,25$

$n^* = 13,50$

$n^* = 13,75$

$n^* = 14,00$

$n^* = 14,25$

$n^* = 14,50$

$n^* = 14,75$

$n^* = 15,00$

$n^* = 15,25$

$n^* = 15,50$

$n^* = 15,75$

$n^* = 16,00$

$n^* = 16,25$

$n^* = 16,50$

$n^* = 16,75$

$n^* = 17,00$

$n^* = 17,25$

$n^* = 17,50$

$n^* = 17,75$

$n^* = 18,00$

$n^* = 18,25$

$n^* = 18,50$

$n^* = 18,75$

$n^* = 19,00$

$n^* = 19,25$

$n^* = 19,50$

$n^* = 19,75$

$n^* = 20,00$

$n^* = 20,25$

$n^* = 20,50$

$n^* = 20,75$

$n^* = 21,00$

$n^* = 21,25$

$n^* = 21,50$

$n^* = 21,75$

$n^* = 22,00$

$n^* = 22,25$

$n^* = 22,50$

$n^* = 22,75$

$n^* = 23,00$

$n^* = 23,25$

$n^* = 23,50$

$n^* = 23,75$

$n^* = 24,00$

$n^* =$

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

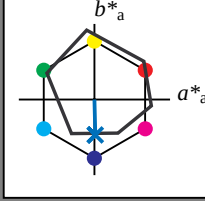
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCBa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.98	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*TCBa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCBa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*TCBa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCBa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.25	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.0	0.45	-7.31	0.0
LAB*LABa	82.0	0.27	-11.16	0.0
LAB*TCBa	87.5	1.18	271.39	0.0
relative CIELAB lab*				
lab*lab	0.827	0.006	-0.249	0.0
lab*tch	0.875	0.25	0.754	0.0
lab*nch	0.0	0.25	0.754	0.0
relative Natural Colour (NC)				
lab*trj	0.827	0.0	-0.249	0.0
lab*tce	0.875	0.25	0.754	0.0
lab*nce	0.0	0.25	0.754	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.622	0.75	(1.0)
cmyn3*	0.5	0.378	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.25	0.128	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	62.65	-0.07	-8.62	0.0
LAB*LABa	62.65	0.27	-11.17	0.0
LAB*TCBa	62.5	1.18	271.41	0.0
relative CIELAB lab*				
lab*lab	0.577	0.006	-0.249	0.0
lab*tch	0.625	0.25	0.754	0.0
lab*nch	0.25	0.25	0.754	0.0
relative Natural Colour (NC)				
lab*trj	0.577	0.0	-0.249	0.0
lab*tce	0.625	0.25	0.754	0.0
lab*nce	0.25	0.25	0.754	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.372	0.5	(1.0)
cmyn3*	0.75	0.628	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	43.3	0.29	-9.93	0.0
LAB*LABa	43.3	0.27	-11.17	0.0
LAB*TCBa	37.5	1.18	271.41	0.0
relative CIELAB lab*				
lab*lab	0.327	0.006	-0.249	0.0
lab*tch	0.375	0.25	0.754	0.0
lab*nch	0.25	0.25	0.754	0.0
relative Natural Colour (NC)				
lab*trj	0.327	0.0	-0.249	0.0
lab*tce	0.375	0.25	0.754	0.0
lab*nce	0.25	0.25	0.754	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.122	0.25	(1.0)
cmyn3*	1.0	0.878	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.75	0.872	1.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	23.96	0.66	-11.23	0.0
LAB*LABa	23.96	0.28	-11.16	0.0
LAB*TCBa	12.5	1.18	271.43	0.0
relative CIELAB lab*				
lab*lab	0.077	0.006	-0.249	0.0
lab*tch	0.125	0.25	0.754	0.0
lab*nch	0.75	0.25	0.754	0.0
relative Natural Colour (NC)				
lab*trj	0.077	0.0	-0.249	0.0
lab*tce	0.125	0.25	0.754	0.0
lab*nce	0.75	0.25	0.754	0.0

$n^* = 0,25$

relative Inform. Technology (IT)				
olvi3*	0.5	0.744	1.0	(1.0)
cmyn3*	0.5	0.256	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.256	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	68.0	0.07	19.39	0.0
LAB*LABa	68.0	0.55	-22.34	0.0
LAB*TCBa	75.0	22.36	271.4	0.0
relative CIELAB lab*				
lab*lab	0.654	0.012	-0.499	0.0
lab*tch	0.75	0.5	0.754	0.0
lab*nch	0.0	0.5	0.754	0.0
relative Natural Colour (NC)				
lab*trj	0.654	0.0	-0.499	0.0
lab*tce	0.75	0.5	0.754	0.0
lab*nce	0.0	0.5	0.754	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.494	0.75	(1.0)
cmyn3*	0.75	0.506	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.256	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	49.25	0.45	-20.7	0.0
LAB*LABa	49.25	0.55	-22.35	0.0
LAB*TCBa	50.0	22.36	271.41	0.0
relative CIELAB lab*				
lab*lab	0.404	0.012	-0.499	0.0
lab*tch	0.375	0.5	0.754	0.0
lab*nch	0.25	0.5	0.754	0.0
relative Natural Colour (NC)				
lab*trj	0.404	0.0	-0.499	0.0
lab*tce	0.375	0.5	0.754	0.0
lab*nce	0.25	0.5	0.754	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.244	0.5	(1.0)
cmyn3*	1.0	0.756	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.256	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	29.9	0.82	-22.01	0.0
LAB*LABa	29.9	0.55	-22.34	0.0
LAB*TCBa	25.01	22.36	271.42	0.0
relative CIELAB lab*				
lab*lab	0.154	0.012	-0.499	0.0
lab*tch	0.25	0.5	0.754	0.0
lab*nch	0.5	0.5	0.754	0.0
relative Natural Colour (NC)				
lab*trj	0.154	0.0	-0.499	0.0
lab*tce	0.25	0.5	0.754	0.0
lab*nce	0.5	0.5	0.754	0.0

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	0.25	0.616	1.0	(1.0)
cmyn3*	0.75	0.384	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.75	0.384	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	55.19	0.61	-31.48	0.0
LAB*LABa	55.19	0.82	-33.52	0.0
LAB*TCBa	62.5	33.54	271.4	0.0
relative CIELAB lab*				
lab*lab	0.48	0.018	-0.749	0.0
lab*tch	0.625	0.75	0.754	0.0
lab*nch	0.0	0.75	0.754	0.0
relative Natural Colour (NC)				
lab*trj	0.48	0.0	-0.749	0.0
lab*tce	0.625	0.75	0.754	0.0
lab*nce	0.0	0.75	0.754	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.888	1.0	(1.0)
cmyn3*	0.5	0.112	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

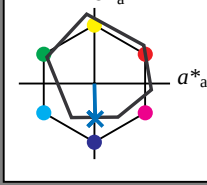
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	-	-
lab*nce	0.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	-	-
lab*nce	0.25	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.24	2.14	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	-	-
lab*nce	0.5	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	-	-
lab*nce	0.75	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.5	-0.47	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	-	-
lab*nce	1.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.25	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.0	0.45	-7.31	0.0
LAB*LABa	82.0	0.0	0.0	0.0
LAB*TCRa	87.5	-11.18	271.39	0.0
relative CIELAB lab*				
lab*lab	0.827	0.006	-0.249	0.0
lab*tch	0.875	0.25	0.754	0.0
lab*nch	0.0	0.25	0.754	0.0
relative Natural Colour (NC)				
lab*trj	0.827	0.0	-0.249	0.0
lab*tce	0.875	0.25	0.754	0.0
lab*nce	0.0	0.25	0.754	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.622	0.75	(1.0)
cmyn3*	0.5	0.378	0.25	(0.0)
olvi4*	0.75	0.872	1.0	(1.0)
cmyn4*	0.25	0.128	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	62.65	-0.07	-8.62	0.0
LAB*LABa	62.65	0.27	-11.17	0.0
LAB*TCRa	62.5	-11.18	271.41	0.0
relative CIELAB lab*				
lab*lab	0.577	0.006	-0.249	0.0
lab*tch	0.625	0.25	0.754	0.0
lab*nch	0.25	0.25	0.754	0.0
relative Natural Colour (NC)				
lab*trj	0.577	0.0	-0.249	0.0
lab*tce	0.625	0.25	0.754	0.0
lab*nce	0.25	0.25	0.754	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.372	0.5	(1.0)
cmyn3*	0.75	0.628	0.5	(0.0)
olvi4*	0.75	0.872	1.0	(1.0)
cmyn4*	0.25	0.128	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	43.3	-0.29	-9.93	0.0
LAB*LABa	43.3	0.27	-11.17	0.0
LAB*TCRa	37.5	-11.18	271.41	0.0
relative CIELAB lab*				
lab*lab	0.327	0.006	-0.249	0.0
lab*tch	0.375	0.25	0.754	0.0
lab*nch	0.25	0.25	0.754	0.0
relative Natural Colour (NC)				
lab*trj	0.327	0.0	-0.249	0.0
lab*tce	0.375	0.25	0.754	0.0
lab*nce	0.25	0.25	0.754	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.122	0.25	(1.0)
cmyn3*	1.0	0.878	0.75	(0.0)
olvi4*	0.75	0.872	1.0	(1.0)
cmyn4*	0.25	0.128	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	23.96	0.66	-11.23	0.0
LAB*LABa	23.96	0.28	-11.16	0.0
LAB*TCRa	12.5	-11.18	271.43	0.0
relative CIELAB lab*				
lab*lab	0.077	0.006	-0.249	0.0
lab*tch	0.125	0.25	0.754	0.0
lab*nch	0.25	0.25	0.754	0.0
relative Natural Colour (NC)				
lab*trj	0.077	0.0	-0.249	0.0
lab*tce	0.125	0.25	0.754	0.0
lab*nce	0.25	0.25	0.754	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.744	1.0	(1.0)
cmyn3*	0.5	0.256	0.0	(0.0)
olvi4*	0.5	0.744	1.0	(1.0)
cmyn4*	0.5	0.256	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	68.0	0.07	19.39	0.0
LAB*LABa	68.0	0.55	-22.34	0.0
LAB*TCRa	75.0	22.36	271.4	0.0
relative CIELAB lab*				
lab*lab	0.654	0.012	-0.499	0.0
lab*tch	0.75	0.5	0.754	0.0
lab*nch	0.0	0.5	0.754	0.0
relative Natural Colour (NC)				
lab*trj	0.654	0.0	-0.499	0.0
lab*tce	0.75	0.5	0.754	0.0
lab*nce	0.0	0.5	0.754	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.616	1.0	(1.0)
cmyn3*	0.75	0.384	0.0	(0.0)
olvi4*	0.25	0.616	1.0	(1.0)
cmyn4*	0.75	0.384	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	55.19	0.61	-31.48	0.0
LAB*LABa	55.19	0.82	-33.52	0.0
LAB*TCRa	62.5	33.54	271.4	0.0
relative CIELAB lab*				
lab*lab	0.48	0.018	-0.749	0.0
lab*tch	0.625	0.75	0.754	0.0
lab*nch	0.0	0.75	0.754	0.0
relative Natural Colour (NC)				
lab*trj	0.48	0.0	-0.749	0.0
lab*tce	0.625	0.75	0.754	0.0
lab*nce	0.0	0.75	0.754	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.366	0.75	(1.0)
cmyn3*	1.0	0.634	0.25	(0.0)
olvi4*	0.25	0.616	1.0	(1.0)
cmyn4*	0.75	0.384	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	41.79	1.1	-45.55	0.0
LAB*LABa	41.79	1.1	-44.69	0.0
LAB*TCRa	50.0	44.71	271.41	0.0
relative CIELAB lab*				
lab*lab	0.307	0.025	-0.998	0.0
lab*tch	0.5	1.0	0.754	0.0
lab*nch	0.0	1.0	0.754	0.0
relative Natural Colour (NC)				
lab*trj	0.307	0.0	-0.998	0.0
lab*tce	0.5	1.0	0.754	0.0
lab*nce	0.0	1.0	0.754	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.244	0.5	(1.0)
cmyn3*	1.0	0.756	0.5	(0.0)
olvi4*	0.5	0.744	1.0	(1.0)
cmyn4*	0.5	0.256	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	29.9	0.82	-22.01	0.0
LAB*LABa	29.9	0.55	-22.34	0.0
LAB*TCRa	25.01	22.36	271.42	0.0
relative CIELAB lab*				
lab*lab	0.154	0.012	-0.499	0.0
lab*tch	0.25	0.5	0.754	0.0
lab*nch	0.5	0.5	0.754	0.0
relative Natural Colour (NC)				
lab*trj	0.154	0.0	-0.499	0.0
lab*tce	0.25	0.5	0.754	0.0
lab*nce	0.5	0.5	0.754	0.0

ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}</$

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

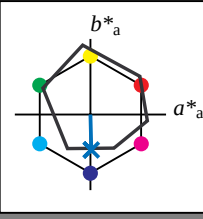
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.36	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0,75

relative Inform. Technology (IT)

olvi3*	0.5	0.754	1.0	(1.0)
cmyn3*	0.5	0.256	0.0	(0.0)
olvi4*	1.0	0.754	1.0	(1.0)
cmyn4*	0.5	0.256	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	68.0	0.07	19.39
LAB*LABa	68.0	0.55	-22.34
LAB*LABb	50.0	22.36	271.4

relative CIELAB lab*

lab*lab	0.654	0.012	-0.499
lab*tch	0.75	0.5	-0.754
lab*nch	0.0	0.5	-0.754

relative Natural Colour (NC)

lab*trj	0.654	0.0	-0.499
lab*tce	0.5	0.5	-0.754
lab*nce	0.0	0.5	-0.754

relative Inform. Technology (IT)

olvi3*	0.25	0.494	0.75	(1.0)
cmyn3*	0.75	0.506	0.25	(0.0)
olvi4*	1.0	0.494	0.75	(1.0)
cmyn4*	0.5	0.256	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	49.25	0.45	-20.7
LAB*LABa	49.25	0.55	-22.35
LAB*LABb	50.0	22.36	271.41

relative CIELAB lab*

lab*lab	0.404	0.012	-0.499
lab*tch	0.5	0.5	-0.754
lab*nch	0.0	0.5	-0.754

relative Natural Colour (NC)

lab*trj	0.404	0.0	-0.499
lab*tce	0.5	0.5	-0.754
lab*nce	0.0	0.5	-0.754

relative Inform. Technology (IT)

olvi3*	0.0	0.244	0.5	(1.0)
cmyn3*	1.0	0.756	0.5	(0.0)
olvi4*	1.0	0.756	0.5	(1.0)
cmyn4*	0.5	0.256	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	29.9	0.55	-22.34
LAB*LABa	29.9	0.55	-22.34
LAB*LABb	25.01	22.36	271.42

relative CIELAB lab*

lab*lab	0.154	0.012	-0.499
lab*tch	0.25	0.5	-0.754
lab*nch	0.0	0.5	-0.754

relative Natural Colour (NC)

lab*trj	0.154	0.0	-0.499
lab*tce	0.25	0.5	-0.754
lab*nce	0.0	0.5	-0.754

relative Inform. Technology (IT)

olvi3*	0.0	0.122	0.25	(1.0)
cmyn3*	1.0	0.878	0.25	(0.0)
olvi4*	1.0	0.878	0.25	(1.0)
cmyn4*	0.25	0.128	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.96	0.66	-11.23
LAB*LABa	23.96	0.28	-11.16
LAB*LABb	12.5	11.18	271.43

relative CIELAB lab*

lab*lab	0.077	0.006	-0.249
lab*tch	0.25	0.25	-0.754
lab*nch	0.0	0.25	-0.754

relative Natural Colour (NC)

lab*trj	0.077	0.0	-0.249
lab*tce	0.25	0.25	-0.754
lab*nce	0.0	0.25	-0.754

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

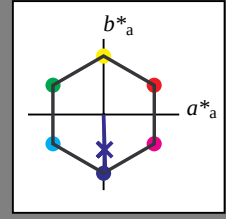
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.759	0.75	1.0	(1.0)
cmyn3*	0.241	0.25	0.0	(0.0)
olvi4*	1.0	0.759	1.0	(1.0)
cmyn4*	0.241	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.73	0.58	-19.0
LAB*LABa	82.73	0.58	-19.0
LAB*LABb	87.5	19.02	271.74

relative CIELAB lab*

lab*lab	0.836	0.008	-0.249
lab*tch	0.875	0.25	-0.755
lab*nch	0.0	0.25	-0.755

relative Natural Colour (NC)

lab*trj	0.836	0.0	-0.249
lab*tce	0.875	0.25	-0.755
lab*nce	0.0	0.25	-0.755

Technology (IT)				
0.25	0.75	(1.0)		
0.75	0.25	(0.0)		
0.5	1.0	0.75		
0.5	0.0	0.25		
adapted CIELAB				
0.7	1.15	-38.02		
-0.7	1.15	-38.02		
0.0	38.05	271.74		
B lab*				
0.222	0.015	-0.499		
0.222	0.5	0.755		
0.222	0.5	0.755		
C Colour (NC)				
0.222	0.0	-0.499		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		
0.222	0.5	0.75		

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

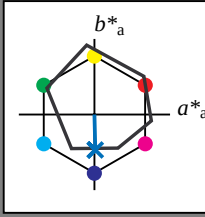
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

0.75

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

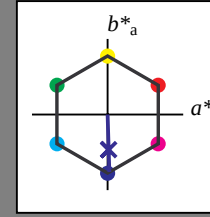
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TCBa	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	76.06	-0.61	3.44	-	-
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*TCBa	75.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	56.71	-0.24	2.14	-	-
LAB*LABa	56.71	0.0	0.0	0.0	0.0
LAB*TCBa	50.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	37.36	0.13	0.83	-	-
LAB*LABa	37.36	0.0	0.0	0.0	0.0
LAB*TCBa	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.47	-	-
LAB*LABa	18.02	0.0	0.0	0.0	0.0
LAB*TCBa	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	0.0	0.0	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0	0.0	0.0
LAB*TCBa	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	82.0	0.45	-7.31	-	-
LAB*LABa	82.0	0.27	-11.16	-	-
LAB*TCBa	87.5	1.18	271.39	-	-
relative CIELAB lab*					
lab*lab	0.875	0.006	-0.249	-	-
lab*tch	0.875	0.25	0.754	-	-
lab*nch	0.0	0.25	0.754	-	-
relative Natural Colour (NC)					
lab*trj	0.875	0.25	0.754	-	-
lab*nce	0.0	0.25	0.754	-	-

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	62.65	-0.07	-8.62	-	-
LAB*LABa	62.65	0.27	-11.17	-	-
LAB*TCBa	62.5	1.18	271.41	-	-
relative CIELAB lab*					
lab*lab	0.577	0.006	-0.249	-	-
lab*tch	0.577	0.25	0.754	-	-
lab*nch	0.0	0.25	0.754	-	-
relative Natural Colour (NC)					
lab*trj	0.577	0.0	-0.249	-	-
lab*nce	0.625	0.25	0.754	-	-
lab*nce	0.25	0.25	0.754	-	-

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	49.25	0.45	-20.7	-	-
LAB*LABa	49.25	0.55	-22.35	-	-
LAB*TCBa	50.0	22.36	271.41	-	-
relative CIELAB lab*					
lab*lab	0.404	0.012	-0.499	-	-
lab*tch	0.404	0.25	0.754	-	-
lab*nch	0.0	0.25	0.754	-	-
relative Natural Colour (NC)					
lab*trj	0.404	0.0	-0.499	-	-
lab*nce	0.5	0.25	0.754	-	-
lab*nce	0.25	0.25	0.754	-	-

LAB*LAB	43.3	0.29	-9.93
LAB*LABa	43.3	0.27	-11.17
LAB*TCBa	37.5	11.18	271.41
relative CIELAB lab*			
lab*lab	0.327	0.006	-0.249
lab*tch	0.375	0.25	0.754
lab*nch	0.5	0.25	0.754
relative Natural Colour (NC)			
lab*trj	0.327	0.0	-0.249
lab*nce	0.5	0.25	0.75
lab*nce	0.5	0.25	b00r
relative Inform. Technology (IT)			
olvi3*	0.0	0.122	0.25 (1.0)
cmyn3*	1.0	0.878	0.75 (0.1)
olvi4*	0.75	0.878	0.75 (0.25)
cmyn4*	0.0	0.0	0.0 (0.0)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

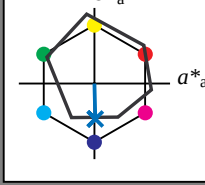
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.36	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	76.06	0.0	0.0
LAB*LABc	76.06	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0
LAB*LABc	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*LABb	37.36	0.0	0.0
LAB*LABc	37.36	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	18.02	0.0	0.0
LAB*LABc	18.02	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)

olvi3*	0.5	0.754	1.0	(1.0)
cmyn3*	0.5	0.256	0.0	(0.0)
olvi4*	0.5	0.754	1.0	(1.0)
cmyn4*	0.5	0.256	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	68.0	0.07	19.39
LAB*LABa	68.0	0.0	0.0
LAB*LABb	68.0	0.0	0.0
LAB*LABc	68.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.827	0.006	-0.249
lab*tch	0.827	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.827	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.616	1.0	(1.0)
cmyn3*	0.25	0.384	0.0	(0.0)
olvi4*	0.25	0.616	1.0	(1.0)
cmyn4*	0.25	0.384	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	55.19	0.61	-31.48
LAB*LABa	55.19	0.0	0.0
LAB*LABb	55.19	0.0	0.0
LAB*LABc	55.19	0.0	0.0

relative CIELAB lab*

lab*lab	0.48	0.018	-0.749
lab*tch	0.48	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.48	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.444	1.0	(1.0)
cmyn3*	1.0	0.556	0.0	(0.0)
olvi4*	0.0	0.444	1.0	(1.0)
cmyn4*	0.0	0.556	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	49.25	0.44	-20.7
LAB*LABa	49.25	0.0	0.0
LAB*LABb	49.25	0.0	0.0
LAB*LABc	49.25	0.0	0.0

relative CIELAB lab*

lab*lab	0.404	0.012	-0.499
lab*tch	0.404	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.404	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.244	1.0	(1.0)
cmyn3*	1.0	0.756	0.0	(0.0)
olvi4*	0.0	0.244	1.0	(1.0)
cmyn4*	0.0	0.756	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	29.9	0.24	-22.01
LAB*LABa	29.9	0.0	0.0
LAB*LABb	29.9	0.0	0.0
LAB*LABc	29.9	0.0	0.0

relative CIELAB lab*

lab*lab	0.154	0.012	-0.499
lab*tch	0.154	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.154	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 0,50$

$0,75$

$n^* = 0,00$

$0,25$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$0,75$

$1,00$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

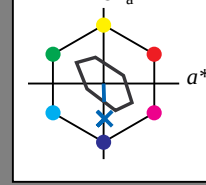
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.36	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	88.98	0.0	0.0
LAB*LABc	88.98	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.56	0.0	0.0
LAB*LABa	62.56	0.0	0.0
LAB*LABb	62.56	0.0	0.0
LAB*LABc	62.56	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.0	0.0
LAB*LABb	37.36	0.0	0.0
LAB*LABc	37.36	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	18.02	0.0	0.0
LAB*LABc	18.02	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
--	-------------	---------	---------	--------------	--------------

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

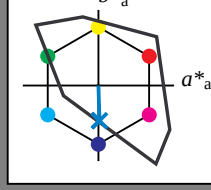
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	0.805	1.0	(1.0)
cmyn3*	0.5	0.195	0.0	(0.0)
olvi4*	0.5	0.805	1.0	1.0
cmyn4*	0.5	0.195	0.0	0.25

standard and adapted CIELAB

LAB*LAB	80.13	0.73	-24.31
LAB*LABa	80.13	0.73	-24.31
LAB*LABb	75.0	24.33	27.72

relative CIELAB lab*

lab*lab	0.84	0.015	-0.499
lab*tch	0.75	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.84	0.015	-0.499
lab*tce	0.75	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.25	0.555	0.75	(1.0)
cmyn3*	0.75	0.445	0.25	(0.0)
olvi4*	0.5	0.805	1.0	1.0
cmyn4*	0.5	0.195	0.0	0.25

standard and adapted CIELAB

LAB*LAB	56.28	0.74	-24.32
LAB*LABa	56.28	0.74	-24.32
LAB*LABb	50.0	24.34	27.74

relative CIELAB lab*

lab*lab	0.59	0.015	-0.499
lab*tch	0.5	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.59	0.015	-0.499
lab*tce	0.5	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.305	0.5	(1.0)
cmyn3*	1.0	0.695	0.5	(0.0)
olvi4*	0.5	0.805	1.0	1.0
cmyn4*	0.5	0.195	0.0	0.5

standard and adapted CIELAB

LAB*LAB	32.44	0.74	-24.32
LAB*LABa	32.44	0.74	-24.32
LAB*LABb	25.01	24.34	27.75

relative CIELAB lab*

lab*lab	0.34	0.015	-0.499
lab*tch	0.25	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.34	0.015	-0.499
lab*tce	0.25	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.153	0.25	(1.0)
cmyn3*	1.0	0.847	0.25	(0.0)
olvi4*	0.75	0.903	1.0	1.0
cmyn4*	0.25	0.097	0.0	0.75

standard and adapted CIELAB

LAB*LAB	16.23	0.73	-12.15
LAB*LABa	16.23	0.73	-12.15
LAB*LABb	12.5	12.17	27.76

relative CIELAB lab*

lab*lab	0.17	0.008	-0.249
lab*tch	0.25	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.17	0.008	-0.249
lab*tce	0.25	0.25	0.755
lab*nce	0.0	0.25	0.755

$n^* = 0,50$

blackness n^*

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

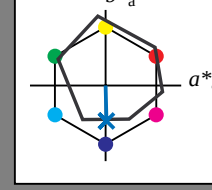
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	0.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.06	0.61	3.44
LAB*LABa	76.06	0.61	3.44
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	46.86	1.47	-48.64
LAB*LABa	46.86	1.47	-48.64
LAB*LABb	50.0	48.67	27.74

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	23.36	0.13	0.83
LAB*LABa	23.36	0.13	0.83
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABa	18.02	0.5	-0.47
LAB*LABb	12.5	11.18	27.74

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

blackness n^*

$n^* = 0,75$

chromaticness c^*

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

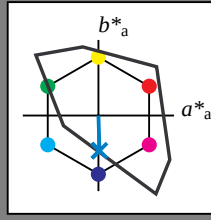
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	0.0
LAB*LABa	71.57	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	0.0
LAB*LABa	47.72	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	0.0
LAB*LABa	23.87	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0
LAB*LABb	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.903	1.0	(1.0)
cmyn3*	0.25	0.097	0.0	(0.0)
olvi4*	0.75	0.903	1.0	1.0
cmyn4*	0.25	0.097	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	87.77	0.36	-12.14	0.0
LAB*LABa	87.77	0.36	-12.14	0.0
LAB*LABb	87.5	12.16	271.7	0.0
relative CIELAB lab*				
lab*lab	0.92	0.007	-0.249	0.0
lab*lab	0.875	0.25	0.755	0.0
lab*lab	0.875	0.25	0.755	0.0
relative Natural Colour (NC)				
lab*lab	0.92	0.0	-0.249	0.0
lab*lab	0.875	0.25	0.755	0.0
lab*lab	0.875	0.25	0.755	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.653	0.75	(1.0)
cmyn3*	0.5	0.347	0.25	(0.0)
olvi4*	0.5	0.653	0.75	1.0
cmyn4*	0.25	0.097	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	63.92	0.37	-12.15	0.0
LAB*LABa	63.92	0.37	-12.15	0.0
LAB*LABb	62.5	12.17	271.74	0.0
relative CIELAB lab*				
lab*lab	0.67	0.008	-0.249	0.0
lab*lab	0.625	0.25	0.755	0.0
lab*lab	0.625	0.25	0.755	0.0
relative Natural Colour (NC)				
lab*lab	0.67	0.0	-0.249	0.0
lab*lab	0.625	0.25	0.755	0.0
lab*lab	0.625	0.25	0.755	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.403	0.5	(1.0)
cmyn3*	0.75	0.597	0.5	(0.0)
olvi4*	0.25	0.403	0.5	1.0
cmyn4*	0.25	0.097	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	40.07	0.37	-12.15	0.0
LAB*LABa	40.07	0.37	-12.15	0.0
LAB*LABb	37.5	12.17	271.74	0.0
relative CIELAB lab*				
lab*lab	0.42	0.008	-0.249	0.0
lab*lab	0.375	0.25	0.755	0.0
lab*lab	0.375	0.25	0.755	0.0
relative Natural Colour (NC)				
lab*lab	0.42	0.0	-0.249	0.0
lab*lab	0.375	0.25	0.755	0.0
lab*lab	0.375	0.25	0.755	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.153	0.25	(1.0)
cmyn3*	1.0	0.847	0.75	(0.0)
olvi4*	0.0	0.153	0.25	1.0
cmyn4*	0.25	0.097	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	16.22	0.37	-12.15	0.0
LAB*LABa	16.22	0.37	-12.15	0.0
LAB*LABb	12.5	12.17	271.76	0.0
relative CIELAB lab*				
lab*lab	0.17	0.008	-0.249	0.0
lab*lab	0.125	0.25	0.755	0.0
lab*lab	0.125	0.25	0.755	0.0
relative Natural Colour (NC)				
lab*lab	0.17	0.0	-0.249	0.0
lab*lab	0.125	0.25	0.755	0.0
lab*lab	0.125	0.25	0.755	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	0.0	0.0	0.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0
LAB*LABb	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

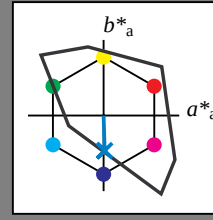
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0

||
||
||

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

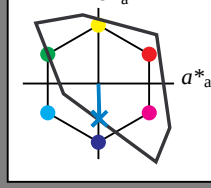
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.903	1.0	(1.0)
cmyn3*	0.25	0.097	0.0	(0.0)
olvi4*	0.75	0.903	1.0	(1.0)
cmyn4*	0.25	0.097	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	87.77	0.36	-12.14
LAB*LABa	87.77	0.36	-12.14
LAB*LABb	87.5	1.216	271.7

relative CIELAB lab*

lab*lab	0.92	0.007	-0.249
lab*tch	0.875	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.92	0.0	-0.249
lab*tce	0.875	0.25	0.75
lab*nce	0.0	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.5	0.653	0.75	(1.0)
cmyn3*	0.5	0.347	0.25	(0.0)
olvi4*	0.75	0.903	1.0	(1.0)
cmyn4*	0.25	0.097	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	63.92	0.37	-12.15
LAB*LABa	63.92	0.37	-12.15
LAB*LABb	62.5	1.217	271.74

relative CIELAB lab*

lab*lab	0.67	0.008	-0.249
lab*tch	0.625	0.25	0.755
lab*nch	0.25	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.67	0.0	-0.249
lab*tce	0.625	0.25	0.75
lab*nce	0.25	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.25	0.403	0.5	(1.0)
cmyn3*	0.75	0.597	0.5	(0.0)
olvi4*	0.75	0.903	1.0	(1.0)
cmyn4*	0.25	0.097	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	40.07	0.37	-12.15
LAB*LABa	40.07	0.37	-12.15
LAB*LABb	37.5	1.217	271.74

relative CIELAB lab*

lab*lab	0.42	0.008	-0.249
lab*tch	0.375	0.25	0.755
lab*nch	0.25	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.42	0.0	-0.249
lab*tce	0.375	0.25	0.75
lab*nce	0.25	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.153	0.25	(1.0)
cmyn3*	1.0	0.847	0.75	(0.0)
olvi4*	0.75	0.903	1.0	(1.0)
cmyn4*	0.25	0.097	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.22	0.37	-12.15
LAB*LABa	16.22	0.37	-12.15
LAB*LABb	12.5	1.217	271.74

relative CIELAB lab*

lab*lab	0.17	0.008	-0.249
lab*tch	0.125	0.25	0.755
lab*nch	0.25	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.17	0.0	-0.249
lab*tce	0.125	0.25	0.75
lab*nce	0.25	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.5	0.805	1.0	(1.0)
cmyn3*	0.5	0.195	0.0	(0.0)
olvi4*	0.5	0.805	1.0	(1.0)
cmyn4*	0.5	0.195	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	80.13	0.73	-24.31
LAB*LABa	80.13	0.73	-24.31
LAB*LABb	75.0	24.33	271.72

relative CIELAB lab*

lab*lab	0.84	0.015	-0.499
lab*tch	0.75	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.84	0.0	-0.499
lab*tce	0.75	0.5	0.75
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.25	0.555	0.75	(1.0)
cmyn3*	0.75	0.445	0.25	(0.0)
olvi4*	0.5	0.805	1.0	(1.0)
cmyn4*	0.5	0.195	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.28	0.74	-24.32
LAB*LABa	56.28	0.74	-24.32
LAB*LABb	50.0	24.34	271.74

relative CIELAB lab*

lab*lab	0.59	0.015	-0.499
lab*tch	0.5	0.5	0.755
lab*nch	0.25	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.59	0.0	-0.499
lab*tce	0.5	0.5	0.75
lab*nce	0.25	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.458	0.75	(1.0)
cmyn3*	1.0	0.542	0.25	(0.0)
olvi4*	0.25	0.708	1.0	(1.0)
cmyn4*	0.75	0.292	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	48.65	1.11	-36.48
LAB*LABa	48.65	1.11	-36.48
LAB*LABb	37.51	36.51	271.75

relative CIELAB lab*

lab*lab	0.51	0.023	-0.749
lab*tch	0.375	0.75	0.755
lab*nch	0.25	0.75	0.755

relative Natural Colour (NC)

lab*trj	0.51	0.0	-0.749
lab*tce	0.375	0.75	0.75
lab*nce	0.25	0.75	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.305	0.5	(1.0)
cmyn3*	1.0	0.695	0.5	(0.0)
olvi4*	0.5	0.805	1.0	(1.0)
cmyn4*	0.5	0.195	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	32.44	0.74	-24.32
LAB*LABa	32.44	0.74	-24.32
LAB*LABb	25.01	24.34	271.75

relative CIELAB lab*

lab*lab	0.34	0.015	-0.499
lab*tch	0.25	0.5	0.755
lab*nch	0.25	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.34	0.0	-0.499
lab*tce	0.25	0.5	0.75
lab*nce	0.25	0.5	0.755

$n^* = 0.50$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

0.75

$n^* = 0.00$

0.25

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

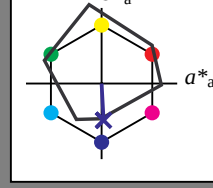
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.11	2.58
LAB*LABa	96.31	0.11	2.58
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	0.44	2.45
LAB*LABa	76.38	0.44	2.45
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	64.86	1.47	-48.64
LAB*LABa	64.86	1.47	-48.64
LAB*LABb	50.0	48.67	271.74

relative CIELAB lab*

lab*lab	0.68	0.03	-0.998
lab*tch	0.5	1.0	0.755
lab*nch	0.0	1.0	0.755

relative Natural Colour (NC)

lab*trj	0.68	0.0	-0.998
lab*tce	0.5	1.0	0.75
lab*nce	0.0	1.0	0.755

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*TCh	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.75	0.0	-

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

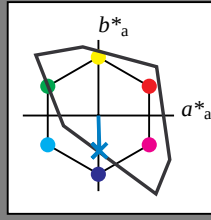
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	
LAB*LABb	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*LABb	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	
LAB*LABa	23.87	0.0	0.0	
LAB*LABb	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*LABb	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	0.75	0.903	1.0	(1.0)
cmyn3*	0.25	0.097	0.0	(0.0)
olvi4*	0.75	0.903	1.0	(1.0)
cmyn4*	0.25	0.097	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	87.77	0.36	-12.14	
LAB*LABa	87.77	0.36	-12.14	
LAB*LABb	87.5	12.16	271.7	
relative CIELAB lab*				
lab*lab	0.92	0.007	-0.249	
lab*tch	0.875	0.25	0.755	
lab*nch	0.0	0.25	0.755	
relative Natural Colour (NC)				
lab*trj	0.92	0.0	-0.249	
lab*tce	0.875	0.25	0.75	
lab*nce	0.0	0.25	0.996	

relative Inform. Technology (IT)				
olvi3*	0.5	0.653	0.75	(1.0)
cmyn3*	0.5	0.347	0.25	(0.0)
olvi4*	0.75	0.903	1.0	(1.0)
cmyn4*	0.25	0.097	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	63.92	0.37	-12.15	
LAB*LABa	63.92	0.37	-12.15	
LAB*LABb	62.5	12.17	271.74	
relative CIELAB lab*				
lab*lab	0.67	0.008	-0.249	
lab*tch	0.625	0.25	0.755	
lab*nch	0.25	0.25	0.755	
relative Natural Colour (NC)				
lab*trj	0.67	0.0	-0.249	
lab*tce	0.625	0.25	0.75	
lab*nce	0.25	0.25	0.996	

relative Inform. Technology (IT)				
olvi3*	0.25	0.403	0.5	(1.0)
cmyn3*	0.75	0.597	0.5	(0.0)
olvi4*	0.75	0.903	1.0	(1.0)
cmyn4*	0.25	0.097	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	40.07	0.37	-12.15	
LAB*LABa	40.07	0.37	-12.15	
LAB*LABb	37.5	12.17	271.74	
relative CIELAB lab*				
lab*lab	0.42	0.008	-0.249	
lab*tch	0.375	0.25	0.755	
lab*nch	0.25	0.25	0.755	
relative Natural Colour (NC)				
lab*trj	0.42	0.0	-0.249	
lab*tce	0.375	0.25	0.75	
lab*nce	0.25	0.25	0.996	

relative Inform. Technology (IT)				
olvi3*	0.0	0.153	0.25	(1.0)
cmyn3*	1.0	0.847	0.75	(0.0)
olvi4*	0.75	0.903	1.0	(1.0)
cmyn4*	0.25	0.097	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.22	0.37	-12.15	
LAB*LABa	16.22	0.37	-12.15	
LAB*LABb	12.5	12.17	271.74	
relative CIELAB lab*				
lab*lab	0.17	0.008	-0.249	
lab*tch	0.125	0.25	0.755	
lab*nch	0.75	0.25	0.755	
relative Natural Colour (NC)				
lab*trj	0.17	0.0	-0.249	
lab*tce	0.125	0.25	0.75	
lab*nce	0.75	0.25	0.996	

$n^* = 0,25$

relative Inform. Technology (IT)				
olvi3*	0.5	0.805	1.0	(1.0)
cmyn3*	0.5	0.195	0.0	(0.0)
olvi4*	0.5	0.805	1.0	(1.0)
cmyn4*	0.5	0.195	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	80.13	0.73	-24.31	
LAB*LABa	80.13	0.73	-24.31	
LAB*LABb	75.0	24.33	271.72	
relative CIELAB lab*				
lab*lab	0.84	0.015	-0.499	
lab*tch	0.75	0.5	0.755	
lab*nch	0.0	0.5	0.755	
relative Natural Colour (NC)				
lab*trj	0.84	0.0	-0.499	
lab*tce	0.75	0.5	0.75	
lab*nce	0.0	0.5	0.996	

relative Inform. Technology (IT)				
olvi3*	0.25	0.555	0.75	(1.0)
cmyn3*	0.75	0.445	0.25	(0.0)
olvi4*	0.5	0.805	1.0	(1.0)
cmyn4*	0.5	0.195	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.28	0.74	-24.32	
LAB*LABa	56.28	0.74	-24.32	
LAB*LABb	50.0	24.34	271.74	
relative CIELAB lab*				
lab*lab	0.59	0.015	-0.499	
lab*tch	0.5	0.5	0.755	
lab*nch	0.0	0.5	0.755	
relative Natural Colour (NC)				
lab*trj	0.59	0.0	-0.499	
lab*tce	0.5	0.5	0.75	
lab*nce	0.0	0.5	0.996	

relative Inform. Technology (IT)				
olvi3*	0.0	0.458	0.75	(1.0)
cmyn3*	1.0	0.542	0.25	(0.0)
olvi4*	0.25	0.708	1.0	(1.0)
cmyn4*	0.75	0.292	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	44.86	1.47	-48.64	
LAB*LABa	44.86	1.47	-48.64	
LAB*LABb	37.5	36.51	271.75	
relative CIELAB lab*				
lab*lab	0.68	0.03	-0.998	
lab*tch	0.5	1.0	0.755	
lab*nch	0.0	1.0	0.755	
relative Natural Colour (NC)				
lab*trj	0.68	0.0	-0.998	
lab*tce	0.5	1.0	0.75	
lab*nce	0.0	1.0	0.996	

relative Inform. Technology (IT)				
olvi3*	0.51	0.0	-0.749	
cmyn3*	0.51	0.0	-0.749	
olvi4*	0.51	0.0	-0.749	
cmyn4*	0.51	0.0	-0.749	
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*LABb	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 0,50$

%Regularity
 $g^*_{H,rel} = 20$
 $g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

lab^*tch and lab^*nch

D65

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

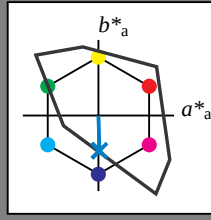
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	80.73	0.0	0.0
LAB*LABa	80.13	0.73	-24.31
LAB*LABb	75.0	24.33	27.72

relative CIELAB lab*

lab*lab	0.84	0.015	-0.499
lab*tch	0.75	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.84	0.015	-0.499
lab*tce	0.75	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.25	0.555	0.75	(1.0)
cmyn3*	0.75	0.445	0.25	(0.0)
olvi4*	1.0	0.805	1.0	(1.0)
cmyn4*	0.5	0.195	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.28	0.74	-24.32
LAB*LABa	56.28	0.74	-24.32
LAB*LABb	50.0	24.34	27.74

relative CIELAB lab*

lab*lab	0.59	0.015	-0.499
lab*tch	0.5	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.59	0.015	-0.499
lab*tce	0.5	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.305	0.5	(1.0)
cmyn3*	1.0	0.695	0.5	(0.0)
olvi4*	1.0	0.805	1.0	(1.0)
cmyn4*	0.5	0.195	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	32.44	0.74	-24.32
LAB*LABa	32.44	0.74	-24.32
LAB*LABb	25.01	24.34	27.75

relative CIELAB lab*

lab*lab	0.34	0.015	-0.499
lab*tch	0.25	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.34	0.015	-0.499
lab*tce	0.25	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.153	0.25	(1.0)
cmyn3*	1.0	0.847	0.25	(0.0)
olvi4*	1.0	0.805	1.0	(1.0)
cmyn4*	0.5	0.195	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.22	0.37	-12.15
LAB*LABa	16.22	0.37	-12.15
LAB*LABb	12.5	12.17	27.76

relative CIELAB lab*

lab*lab	0.17	0.008	-0.249
lab*tch	0.125	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.17	0.008	-0.249
lab*tce	0.125	0.25	0.755
lab*nce	0.0	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

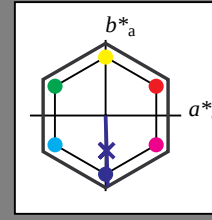
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.555	0.75	(1.0)
cmyn3*	0.75	0.445	0.25	(0.0)
olvi4*	1.0	0.805	1.0	(1.0)
cmyn4*	0.5	0.195	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.28	0.74	-24.32
LAB*LABa	56.28	0.74	-24.32
LAB*LABb	50.0	24.34	27.74

relative CIELAB lab*

lab*lab	0.59	0.015	-0.499
lab*tch	0.5	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.59	0.015	-0.499
lab*tce	0.5	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.305	0.5	(1.0)
cmyn3*	1.0	0.695	0.5	(0.0)
olvi4*	1.0	0.805	1.0	(1.0)
cmyn4*	0.5	0.195	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	32.44	0.74	-24.32
LAB*LABa	32.44	0.74	-24.32
LAB*LABb	25.01	24.34	27.75

relative CIELAB lab*

lab*lab	0.34	0.015	-0.499
lab*tch	0.25	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

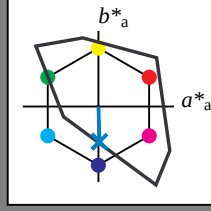
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.903	1.0	(1.0)
cmyn3*	0.25	0.097	0.0	(0.0)
olvi4*	0.75	0.903	1.0	(1.0)
cmyn4*	0.25	0.097	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	87.77	0.36	-12.14
LAB*LABa	87.77	0.36	-12.14
LAB*LABb	87.5	12.16	271.7

relative CIELAB lab*

lab*lab	0.92	0.007	-0.249
lab*tch	0.875	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.92	0.0	-0.249
lab*tce	0.875	0.25	0.75
lab*nce	0.0	0.25	0.996

relative Inform. Technology (IT)

olvi3*	0.5	0.653	0.75	(1.0)
cmyn3*	0.5	0.347	0.25	(0.0)
olvi4*	0.75	0.903	1.0	(1.0)
cmyn4*	0.25	0.097	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	63.92	0.37	-12.15
LAB*LABa	63.92	0.37	-12.15
LAB*LABb	62.5	12.17	271.74

relative CIELAB lab*

lab*lab	0.67	0.008	-0.249
lab*tch	0.625	0.25	0.755
lab*nch	0.25	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.67	0.0	-0.249
lab*tce	0.625	0.25	0.75
lab*nce	0.25	0.25	0.996

relative Inform. Technology (IT)

olvi3*	0.25	0.403	0.5	(1.0)
cmyn3*	0.75	0.597	0.5	(0.0)
olvi4*	0.75	0.903	1.0	(1.0)
cmyn4*	0.25	0.097	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	40.07	0.37	-12.15
LAB*LABa	40.07	0.37	-12.15
LAB*LABb	37.5	12.17	271.74

relative CIELAB lab*

lab*lab	0.42	0.008	-0.249
lab*tch	0.375	0.25	0.755
lab*nch	0.25	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.42	0.0	-0.249
lab*tce	0.375	0.25	0.75
lab*nce	0.25	0.25	0.996

relative Inform. Technology (IT)

olvi3*	0.0	0.153	0.25	(1.0)
cmyn3*	1.0	0.847	0.75	(0.0)
olvi4*	0.75	0.903	1.0	(1.0)
cmyn4*	0.25	0.097	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.22	0.37	-12.15
LAB*LABa	16.22	0.37	-12.15
LAB*LABb	12.5	12.17	271.74

relative CIELAB lab*

lab*lab	0.17	0.008	-0.249
lab*tch	0.125	0.25	0.755
lab*nch	0.25	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.17	0.0	-0.249
lab*tce	0.125	0.25	0.75
lab*nce	0.25	0.25	0.996

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

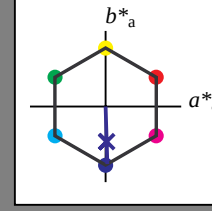
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	46.86	1.47	-48.64
LAB*LABa	46.86	1.47	-48.64
LAB*LABb	50.0	48.67	271.74

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.37	0.0	0.0
LAB*LABa	23.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

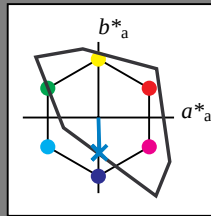
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

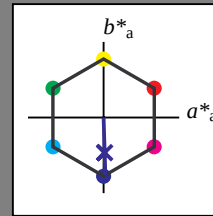
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.86 0.0 0.0
LAB*LABa 46.86 0.0 0.0
LAB*LABb 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.73 0.0 0.0
LAB*LABa 23.73 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

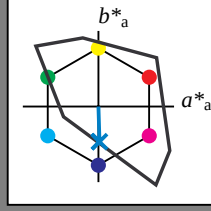
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	0.0
LAB*LABa	71.57	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	0.0
LAB*LABa	47.72	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	0.0
LAB*LABa	23.87	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0
LAB*LABb	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

1,00

0,75

relative Inform. Technology (IT)				
olvi3*	0.5	0.805	1.0	(1.0)
cmyn3*	0.5	0.195	0.0	(0.0)
olvi4*	0.5	0.805	1.0	1.0
cmyn4*	0.5	0.195	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	80.73	0.36	-12.14	0.0
LAB*LABa	80.73	0.36	-12.14	0.0
LAB*LABb	87.77	0.36	-12.14	0.0
relative CIELAB lab*				
lab*lab	0.82	0.007	-0.249	0.0
lab*lab	0.82	0.007	-0.249	0.0
lab*lab	0.82	0.007	-0.249	0.0
relative Natural Colour (NC)				
lab*lab	0.82	0.007	-0.249	0.0
lab*lab	0.82	0.007	-0.249	0.0
lab*lab	0.82	0.007	-0.249	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.555	0.75	(1.0)
cmyn3*	0.75	0.445	0.25	(0.0)
olvi4*	0.5	0.805	1.0	1.0
cmyn4*	0.5	0.195	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	56.28	0.74	-24.32	0.0
LAB*LABa	56.28	0.74	-24.32	0.0
LAB*LABb	50.0	24.34	27.71	0.0
relative CIELAB lab*				
lab*lab	0.59	0.015	-0.499	0.0
lab*lab	0.59	0.015	-0.499	0.0
lab*lab	0.59	0.015	-0.499	0.0
relative Natural Colour (NC)				
lab*lab	0.59	0.015	-0.499	0.0
lab*lab	0.59	0.015	-0.499	0.0
lab*lab	0.59	0.015	-0.499	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.305	0.5	(1.0)
cmyn3*	1.0	0.695	0.5	(0.0)
olvi4*	0.5	0.805	1.0	1.0
cmyn4*	0.5	0.195	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	32.44	0.74	-24.32	0.0
LAB*LABa	32.44	0.74	-24.32	0.0
LAB*LABb	25.01	24.34	27.71	0.0
relative CIELAB lab*				
lab*lab	0.34	0.015	-0.499	0.0
lab*lab	0.34	0.015	-0.499	0.0
lab*lab	0.34	0.015	-0.499	0.0
relative Natural Colour (NC)				
lab*lab	0.34	0.015	-0.499	0.0
lab*lab	0.34	0.015	-0.499	0.0
lab*lab	0.34	0.015	-0.499	0.0

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	0.0	0.153	0.25	(1.0)
cmyn3*	1.0	0.847	0.75	(0.0)
olvi4*	0.75	0.903	1.0	1.0
cmyn4*	0.25	0.097	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	16.23	0.37	-12.15	0.0
LAB*LABa	16.23	0.37	-12.15	0.0
LAB*LABb	12.5	12.17	27.71	0.0
relative CIELAB lab*				
lab*lab	0.17	0.008	-0.249	0.0
lab*lab	0.17	0.008	-0.249	0.0
lab*lab	0.17	0.008	-0.249	0.0
relative Natural Colour (NC)				
lab*lab	0.17	0.008	-0.249	0.0
lab*lab	0.17	0.008	-0.249	0.0
lab*lab	0.17	0.008	-0.249	0.0

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

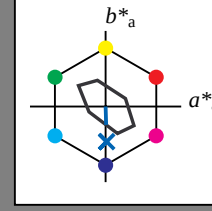
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)</

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

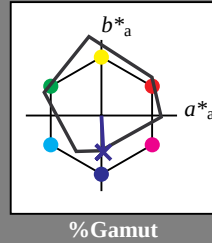
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.0 0.0
LAB*LABa 96.31 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 -0.44 2.45
LAB*LABa 76.38 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.806 0.013 -0.249
lab*tch 0.875 0.25 0.759
lab*nch 0.0 0.25 0.759
relative Natural Colour (NC)
lab*trj 0.806 0.0 -0.249
lab*tce 0.875 0.25 0.759
lab*nce 0.0 0.25 0.759

relative Inform. Technology (IT)
olvi3* 0.51 0.5 0.75 (1.0)
cmyn3* 0.49 0.5 0.25 (0.0)
olvi4* 0.5 0.5 0.75 (1.0)
cmyn4* 0.24 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 60.52 -0.09 -8.81
LAB*LABa 60.92 0.6 -11.17
LAB*LABb 62.5 1.12 273.06

relative CIELAB lab*
lab*lab 0.556 0.013 -0.249
lab*tch 0.625 0.25 0.759
lab*nch 0.25 0.25 0.759
relative Natural Colour (NC)
lab*trj 0.556 0.0 -0.249
lab*tce 0.625 0.25 0.759
lab*nce 0.25 0.25 0.759

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 -0.76 2.32
LAB*LABa 56.44 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 -1.09 2.19
LAB*LABa 36.5 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.01 0.0 0.25 (1.0)
cmyn3* 0.99 1.0 0.75 (0.0)
olvi4* 0.76 0.75 1.0 (0.0)
cmyn4* 0.24 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 21.05 -0.75 -9.07
LAB*LABa 21.05 0.59 -11.17
LAB*LABb 12.5 1.12 273.06

relative CIELAB lab*
lab*lab 0.01 0.0 0.25 (1.0)
lab*tch 0.125 0.25 0.759
lab*nch 0.75 0.25 0.759
relative Natural Colour (NC)
lab*trj 0.01 0.0 0.25 (1.0)
lab*tce 0.125 0.25 0.759
lab*nce 0.75 0.25 0.759

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 0.521 0.5 1.0 (1.0)
cmyn3* 0.479 0.5 0.0 (0.0)
olvi4* 0.521 0.5 1.0 (1.0)
cmyn4* 0.479 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 65.41 0.57 19.96
LAB*LABa 65.41 1.2 -22.35
LAB*LABb 75.0 22.39 273.06

relative CIELAB lab*
lab*lab 0.613 0.027 -0.498
lab*tch 0.75 0.5 0.759
lab*nch 0.0 0.5 0.759
relative Natural Colour (NC)
lab*trj 0.613 0.0 -0.498
lab*tce 0.75 0.5 0.759
lab*nce 0.0 0.5 0.759

relative Inform. Technology (IT)
olvi3* 0.281 0.25 1.0 (1.0)
cmyn3* 0.719 0.75 0.0 (0.0)
olvi4* 0.281 0.25 1.0 (1.0)
cmyn4* 0.719 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.36 0.92 -31.24
LAB*LABa 49.96 1.79 -33.53
LAB*LABb 62.5 33.58 273.06

relative CIELAB lab*
lab*lab 0.419 0.04 -0.748
lab*tch 0.625 0.75 0.759
lab*nch 0.0 0.75 0.759
relative Natural Colour (NC)
lab*trj 0.419 0.0 -0.748
lab*tce 0.625 0.75 0.759
lab*nce 0.0 0.75 0.759

relative Inform. Technology (IT)
olvi3* 0.271 0.25 0.75 (1.0)
cmyn3* 0.729 0.75 0.25 (0.0)
olvi4* 0.271 0.25 0.75 (1.0)
cmyn4* 0.479 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 45.48 0.25 -20.09
LAB*LABa 45.48 1.2 -22.35
LAB*LABb 50.0 22.39 273.06

relative CIELAB lab*
lab*lab 0.363 0.027 -0.498
lab*tch 0.375 0.25 0.759
lab*nch 0.25 0.5 0.759
relative Natural Colour (NC)
lab*trj 0.363 0.0 -0.498
lab*tce 0.375 0.25 0.759
lab*nce 0.25 0.5 0.759

relative Inform. Technology (IT)
olvi3* 0.031 0.0 0.75 (1.0)
cmyn3* 0.969 1.0 0.25 (0.0)
olvi4* 0.031 0.0 0.75 (1.0)
cmyn4* 0.719 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.03 0.59 -31.37
LAB*LABa 30.03 1.79 -33.53
LAB*LABb 37.51 33.59 273.06

relative CIELAB lab*
lab*lab 0.169 0.04 -0.748
lab*tch 0.375 0.25 0.759
lab*nch 0.25 0.5 0.759
relative Natural Colour (NC)
lab*trj 0.169 0.0 -0.748
lab*tce 0.375 0.25 0.759
lab*nce 0.25 0.5 0.759

relative Inform. Technology (IT)
olvi3* 0.021 0.0 0.5 (1.0)
cmyn3* 0.979 1.0 0.5 (0.0)
olvi4* 0.021 0.0 0.5 (1.0)
cmyn4* 0.479 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.54 -0.08 -20.22
LAB*LABa 25.54 1.19 -22.35
LAB*LABb 25.01 22.39 273.06

relative CIELAB lab*
lab*lab 0.113 0.027 -0.498
lab*tch 0.25 0.5 0.759
lab*nch 0.25 0.5 0.759
relative Natural Colour (NC)
lab*trj 0.113 0.0 -0.498
lab*tce 0.25 0.5 0.759
lab*nce 0.25 0.5 0.759

relative Inform. Technology (IT)
olvi3* 0.01 0.0 0.25 (1.0)
cmyn3* 0.99 1.0 0.75 (0.0)
olvi4* 0.01 0.0 0.25 (1.0)
cmyn4* 0.24 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 21.05 -0.75 -9.07
LAB*LABa 21.05 0.59 -11.17
LAB*LABb 12.5 1.12 273.06

relative CIELAB lab*
lab*lab 0.01 0.0 0.25 (1.0)
lab*tch 0.125 0.25 0.759
lab*nch 0.75 0.25 0.759
relative Natural Colour (NC)
lab*trj 0.01 0.0 0.25 (1.0)
lab*tce 0.125 0.25 0.759
lab*nce 0.75 0.25 0.759

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

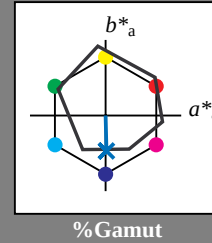
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 -0.88 4.75
LAB*LABa 96.31 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.281 0.25 1.0 (1.0)
cmyn3* 0.719 0.75 0.0 (0.0)
olvi4* 0.281 0.25 1.0 (1.0)
cmyn4* 0.719 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.36 0.92 -31.24
LAB*LABa 49.96 1.79 -33.53
LAB*LABb 62.5 33.58 273.06

relative CIELAB lab*
lab*lab 0.419 0.04 -0.748
lab*tch 0.625 0.75 0.759
lab*nch 0.0 0.75 0.759
relative Natural Colour (NC)
lab*trj 0.419 0.0 -0.748
lab*tce 0.625 0.75 0.759
lab*nce 0.0 0.75 0.759

relative Inform. Technology (IT)
olvi3* 0.271 0.25 0.75 (1.0)
cmyn3* 0.729 0.75 0.25 (0.0)
olvi4* 0.271 0.25 0.75 (1.0)
cmyn4* 0.479 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 45.48 0.25 -20.09
LAB*LABa 45.48 1.2 -22.35
LAB*LABb 50.0 22.39 273.06

relative CIELAB lab*
lab*lab 0.363 0.027 -0.498
lab*tch 0.375 0.25 0.759
lab*nch 0.25 0.5 0.759
relative Natural Colour (NC)
lab*trj 0.363 0.0 -0.498
lab*tce 0.375 0.25 0.759
lab*nce 0.25 0.5 0.759

relative Inform. Technology (IT)
olvi3* 0.031 0.0 0.75 (1.0)
cmyn3* 0.969 1.0 0.25 (0.0)
olvi4* 0.031 0.0 0.75 (1.0)
cmyn4* 0.719 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.03 0.59 -31.37
LAB*LABa 30.03 1.79 -33.53
LAB*LABb 37.51 33.59 273.06

relative CIELAB lab*
lab*lab 0.169 0.04 -0.748
lab*tch 0.375 0.25 0.759
lab*nch 0.25 0.5 0.759
relative Natural Colour (NC)
lab*trj 0.169 0.0 -0.748
lab*tce 0.375 0.25 0.759
lab*nce 0.25 0.5 0.759

relative Inform. Technology (IT)
olvi3* 0.021 0.0 0.5 (1.0)
cmyn3* 0.979 1.0 0.5 (0.0)
olvi4* 0.021 0.0 0.5 (1.0)
cmyn4* 0.479 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.54 -0.08 -20.22
LAB*LABa 25.54 1.19 -22.35
LAB*LABb 25.01 22.39 273.06

relative CIELAB lab*
lab*lab 0.113 0.027 -0.498
lab*tch 0.25 0.5 0.759
lab*nch 0.25 0.5 0.759
relative Natural Colour (NC)
lab*trj 0.113 0.0 -0.498
lab*tce 0.25 0.5 0.759
lab*nce 0.25 0.5 0.759

relative Inform. Technology (IT)
olvi3* 0.01 0.0 0.25 (1.0)
cmyn3* 0.99 1.0 0.75 (0.0)
olvi4* 0.01 0.0 0.25 (1.0)
cmyn4* 0.24 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 21.05 -0.75 -9.07
LAB*LABa 21.05 0.59 -11.17
LAB*LABb 12.5 1.12 273.06

relative CIELAB lab*
lab*lab 0.01 0.0 0.25 (1.0)
lab*tch 0.125 0.25 0.759
lab*nch 0.75 0.25 0.759
relative Natural Colour (NC)
lab*trj 0.01 0.0 0.25 (1.0)
lab*tce 0.125 0.25 0.7

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

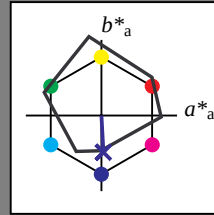
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	0.76	0.75	1.0	(1.0)
cmyn3*	0.24	0.25	0.0	(0.0)
olvi4*	0.76	0.75	1.0	(1.0)
cmyn4*	0.24	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	80.86	0.23	-8.68
LAB*LABa	80.86	0.6	-11.17
LAB*LABb	87.5	1.19	273.06

relative CIELAB lab*

lab*lab	0.806	0.013	-0.249
lab*tch	0.875	0.25	0.759
lab*nch	0.0	0.25	0.759

relative Natural Colour (NC)

lab*trj	0.806	0.0	-0.249
lab*tce	0.875	0.25	0.759
lab*nce	0.0	0.25	0.759

relative Inform. Technology (IT)

olvi3*	0.51	0.5	0.75	(1.0)
cmyn3*	0.49	0.5	0.25	(0.0)
olvi4*	0.51	0.5	0.75	(1.0)
cmyn4*	0.49	0.5	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	60.92	-0.09	-8.81
LAB*LABa	60.92	0.6	-11.17
LAB*LABb	62.5	1.12	273.06

relative CIELAB lab*

lab*lab	0.556	0.013	-0.249
lab*tch	0.625	0.25	0.759
lab*nch	0.25	0.25	0.759

relative Natural Colour (NC)

lab*trj	0.556	0.0	-0.249
lab*tce	0.625	0.25	0.759
lab*nce	0.25	0.25	0.759

relative Inform. Technology (IT)

olvi3*	0.26	0.25	0.5	(1.0)
cmyn3*	0.74	0.25	0.5	(0.0)
olvi4*	0.26	0.25	0.5	(1.0)
cmyn4*	0.74	0.25	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	40.95	-0.41	-8.94
LAB*LABa	40.95	0.4	-11.17
LAB*LABb	37.5	1.12	273.06

relative CIELAB lab*

lab*lab	0.306	0.013	-0.249
lab*tch	0.375	0.25	0.759
lab*nch	0.25	0.25	0.759

relative Natural Colour (NC)

lab*trj	0.306	0.0	-0.249
lab*tce	0.375	0.25	0.759
lab*nce	0.25	0.25	0.759

relative Inform. Technology (IT)

olvi3*	0.01	0.0	0.25	(1.0)
cmyn3*	0.99	1.0	0.75	(0.0)
olvi4*	0.01	0.0	0.25	(1.0)
cmyn4*	0.99	1.0	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	21.05	-0.75	-9.07
LAB*LABa	21.05	0.59	-11.17
LAB*LABb	12.5	1.12	273.06

relative CIELAB lab*

lab*lab	0.056	0.013	-0.249
lab*tch	0.125	0.25	0.759
lab*nch	0.75	0.25	0.759

relative Natural Colour (NC)

lab*trj	0.056	0.0	-0.249
lab*tce	0.125	0.25	0.759
lab*nce	0.75	0.25	0.759

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	0.521	0.5	1.0	(1.0)
cmyn3*	0.479	0.5	0.0	(0.0)
olvi4*	0.521	0.5	1.0	(1.0)
cmyn4*	0.479	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	65.41	1.2	-22.35
LAB*LABa	65.41	1.2	-22.35
LAB*LABb	75.0	22.39	273.06

relative CIELAB lab*

lab*lab	0.613	0.027	-0.498
lab*tch	0.75	0.25	0.759
lab*nch	0.0	0.5	0.759

relative Natural Colour (NC)

lab*trj	0.613	0.0	-0.498
lab*tce	0.75	0.25	0.759
lab*nce	0.0	0.5	0.759

relative Inform. Technology (IT)

olvi3*	0.271	0.25	0.75	(1.0)
cmyn3*	0.729	0.25	0.25	(0.0)
olvi4*	0.271	0.25	0.75	(1.0)
cmyn4*	0.729	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	45.48	0.25	-20.09
LAB*LABa	45.48	1.2	-22.35
LAB*LABb	50.0	22.39	273.06

relative CIELAB lab*

lab*lab	0.363	0.027	-0.498
lab*tch	0.375	0.25	0.759
lab*nch	0.25	0.5	0.759

relative Natural Colour (NC)

lab*trj	0.363	0.0	-0.498
lab*tce	0.375	0.25	0.759
lab*nce	0.25	0.5	0.759

relative Inform. Technology (IT)

olvi3*	0.021	0.0	0.5	(1.0)
cmyn3*	0.979	1.0	0.5	(0.0)
olvi4*	0.021	0.0	0.5	(1.0)
cmyn4*	0.979	1.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	25.54	-0.08	-20.22
LAB*LABa	25.54	1.19	-22.35
LAB*LABb	25.01	22.39	273.06

relative CIELAB lab*

lab*lab	0.113	0.027	-0.498
lab*tch	0.25	0.5	0.759
lab*nch	0.5	0.5	0.759

relative Natural Colour (NC)

lab*trj	0.113	0.0	-0.498
lab*tce	0.25	0.5	0.759
lab*nce	0.5	0.5	0.759

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.25	(1.0)
cmyn3*	1.0	1.0	0.75	(0.0)
olvi4*	0.0	0.0	0.25	(1.0)
cmyn4*	1.0	1.0	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

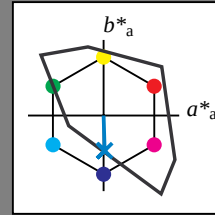
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.41	0.0	0.0
LAB*LABa	96.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5
---------	-----

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

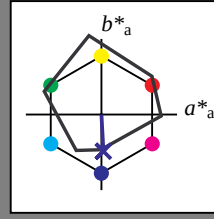
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0	2.58
LAB*LABa	96.31	0.0	0.0	2.58
LAB*LABb	99.99	0.01	-	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	-
lab*lab	1.0	0.0	0.0	-
lab*lab	1.0	0.0	0.0	-

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0	-
lab*lab	1.0	0.0	0.0	-
lab*lab	1.0	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45	-
LAB*LABa	76.38	0.0	0.0	-
LAB*LABb	75.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	-
lab*lab	0.75	0.0	0.0	-
lab*lab	0.75	0.0	0.0	-

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0	-
lab*lab	0.75	0.0	0.0	-
lab*lab	0.75	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32	-
LAB*LABa	56.44	0.0	0.0	-
LAB*LABb	50.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0	-
lab*lab	0.5	0.0	0.0	-
lab*lab	0.5	0.0	0.0	-

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0	-
lab*lab	0.5	0.0	0.0	-
lab*lab	0.5	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19	-
LAB*LABa	36.5	0.0	0.0	-
LAB*LABb	25.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0	-
lab*lab	0.25	0.0	0.0	-
lab*lab	0.25	0.0	0.0	-

relative Natural Colour (NC)

lab*lab	0.25	0.0	0.0	-
lab*lab	0.25	0.0	0.0	-
lab*lab	0.25	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06	-
LAB*LABa	16.57	0.0	0.0	-
LAB*LABb	0.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	-
lab*lab	0.0	0.0	0.0	-
lab*lab	0.0	0.0	0.0	-

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	-
lab*lab	0.0	0.0	0.0	-
lab*lab	0.0	0.0	0.0	-

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	0.521	0.5	1.0	(1.0)
cmyn3*	0.479	0.5	0.0	(0.0)
olvi4*	0.521	0.5	1.0	(1.0)
cmyn4*	0.479	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	65.41	0.57	19.96	-
LAB*LABa	65.41	1.2	-22.35	-
LAB*LABb	75.0	22.39	273.06	-

relative CIELAB lab*

lab*lab	0.613	0.027	-0.498	-
lab*lab	0.613	0.027	-0.498	-
lab*lab	0.613	0.027	-0.498	-

relative Natural Colour (NC)

lab*lab	0.613	0.027	-0.498	-
lab*lab	0.613	0.027	-0.498	-
lab*lab	0.613	0.027	-0.498	-

relative Inform. Technology (IT)

olvi3*	0.271	0.25	0.75	(1.0)
cmyn3*	0.729	0.25	0.0	(0.0)
olvi4*	0.521	0.5	1.0	(1.0)
cmyn4*	0.479	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	45.48	0.25	-20.09	-
LAB*LABa	45.48	1.2	-22.35	-
LAB*LABb	50.0	22.39	273.06	-

relative CIELAB lab*

lab*lab	0.363	0.027	-0.498	-
lab*lab	0.363	0.027	-0.498	-
lab*lab	0.363	0.027	-0.498	-

relative Natural Colour (NC)

lab*lab	0.363	0.027	-0.498	-
lab*lab	0.363	0.027	-0.498	-
lab*lab	0.363	0.027	-0.498	-

relative Inform. Technology (IT)

olvi3*	0.021	0.0	0.5	(1.0)
cmyn3*	0.979	1.0	0.5	(0.0)
olvi4*	0.521	0.5	1.0	(1.0)
cmyn4*	0.479	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	25.54	-0.08	-20.22	-
LAB*LABa	25.54	1.19	-22.35	-
LAB*LABb	25.01	22.39	273.04	-

relative CIELAB lab*

lab*lab	0.113	0.027	-0.498	-
lab*lab	0.113	0.027	-0.498	-
lab*lab	0.113	0.027	-0.498	-

relative Natural Colour (NC)

lab*lab	0.113	0.027	-0.498	-
lab*lab	0.113	0.027	-0.498	-
lab*lab	0.113	0.027	-0.498	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06	-
LAB*LABa	16.57	0.0	0.0	-
LAB*LABb	0.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	-
lab*lab	0.0	0.0	0.0	-
lab*lab	0.0	0.0	0.0	-

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	-
lab*lab	0.0	0.0	0.0	-
lab*lab	0.0	0.0	0.0	-

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

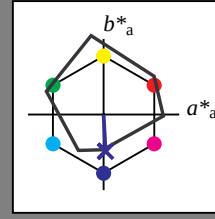
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	-0.11	2.58	-
LAB*LABa	96.31	0.0	0.0	-
LAB*LABb	99.99	0.01	-	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	-
lab*lab	1.0	0.0	0.0	-
lab*lab	1.0	0.0	0.0	-

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0	-
lab*lab	1.0	0.0	0.0	-
lab*lab	1.0	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45	-
LAB*LABa	76.38	0.0	0.0	-
LAB*LABb	75.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	-
lab*lab	0.75	0.0	0.0	-
lab*lab	0.75	0.0	0.0	-

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0	-
lab*lab	0.75	0.0	0.0	-
lab*lab	0.75	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32	-
LAB*LABa	56.44	0.0	0.0	-
LAB*LABb	50.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0	-
lab*lab	0.5	0.0	0.0	-
lab*lab	0.5	0.0	0.0	-

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0	-
lab*lab	0.5	0.0	0.0	-
lab*lab	0.5	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19	-
LAB*LABa	36.5	0.0	0.0	-
LAB*LABb	25.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0	-
lab*lab	0.25	0.0	0.0	-
lab*lab	0.25	0.0	0.0	-

relative Natural Colour (NC)

lab*lab	0.25	0.0	0.0	-
lab*lab	0.25	0.0	0.0	-
lab*lab	0.25	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06	-
LAB*LABa	16.57	0.0	0.0	-
LAB*LABb	0.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	-
lab*lab	0.0	0.0	0.0	-
lab*lab	0.0	0.0	0.0	-

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	-
lab*lab	0.0	0.0	0.0	-
lab*lab	0.0	0.0	0.0	-

$n^* = 1,0$

chromaticness c^*

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

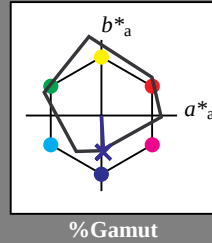
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.0 0.0
LAB*LABa 96.31 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 0.76 0.75 1.0 (1.0)
cmyn3* 0.24 0.25 0.0 (0.0)
olvi4* 0.76 0.75 1.0 (1.0)
cmyn4* 0.24 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.86 0.23 -8.68
LAB*LABa 80.86 0.23 -8.68
LAB*TCRa 87.5 1.19 273.06

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 -0.44 2.45
LAB*LABa 76.38 -0.44 2.45
LAB*TCRa 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.806 0.013 -0.249
cmyn3* 0.875 0.25 0.759
olvi4* 0.806 0.013 -0.249
cmyn4* 0.875 0.25 0.759
standard and adapted CIELAB
LAB*LAB 80.86 0.23 -8.68
LAB*LABa 80.86 0.23 -8.68
LAB*TCRa 87.5 1.19 273.06

relative Inform. Technology (IT)
olvi3* 0.51 0.5 0.75 (1.0)
cmyn3* 0.49 0.5 0.25 (0.0)
olvi4* 0.51 0.5 0.75 (1.0)
cmyn4* 0.49 0.5 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 60.92 0.6 -11.17
LAB*LABa 60.92 0.6 -11.17
LAB*TCRa 62.5 1.12 273.06

relative Inform. Technology (IT)
olvi3* 0.51 0.5 0.75 (1.0)
cmyn3* 0.49 0.5 0.25 (0.0)
olvi4* 0.51 0.5 0.75 (1.0)
cmyn4* 0.49 0.5 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 60.92 0.6 -11.17
LAB*LABa 60.92 0.6 -11.17
LAB*TCRa 62.5 1.12 273.06

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 -0.76 2.32
LAB*LABa 56.44 -0.76 2.32
LAB*TCRa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.56 0.013 -0.249
cmyn3* 0.625 0.25 0.759
olvi4* 0.56 0.013 -0.249
cmyn4* 0.625 0.25 0.759
standard and adapted CIELAB
LAB*LAB 56.44 -0.76 2.32
LAB*LABa 56.44 -0.76 2.32
LAB*TCRa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 -0.76 2.32
LAB*LABa 56.44 -0.76 2.32
LAB*TCRa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.56 0.013 -0.249
cmyn3* 0.625 0.25 0.759
olvi4* 0.56 0.013 -0.249
cmyn4* 0.625 0.25 0.759
standard and adapted CIELAB
LAB*LAB 56.44 -0.76 2.32
LAB*LABa 56.44 -0.76 2.32
LAB*TCRa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 -1.09 2.19
LAB*LABa 36.5 -1.09 2.19
LAB*TCRa 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.306 0.013 -0.249
cmyn3* 0.375 0.25 0.759
olvi4* 0.306 0.013 -0.249
cmyn4* 0.375 0.25 0.759
standard and adapted CIELAB
LAB*LAB 36.5 -1.09 2.19
LAB*LABa 36.5 -1.09 2.19
LAB*TCRa 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.01 0.0 0.25 (1.0)
cmyn3* 0.99 1.0 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.01 0.0 0.25 (1.0)
cmyn3* 0.99 1.0 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.056 0.013 -0.249
cmyn3* 0.125 0.25 0.759
olvi4* 0.056 0.013 -0.249
cmyn4* 0.125 0.25 0.759
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.056 0.013 -0.249
cmyn3* 0.125 0.25 0.759
olvi4* 0.056 0.013 -0.249
cmyn4* 0.125 0.25 0.759
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.056 0.013 -0.249
cmyn3* 0.125 0.25 0.759
olvi4* 0.056 0.013 -0.249
cmyn4* 0.125 0.25 0.759
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.056 0.013 -0.249
cmyn3* 0.125 0.25 0.759
olvi4* 0.056 0.013 -0.249
cmyn4* 0.125 0.25 0.759
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.056 0.013 -0.249
cmyn3* 0.125 0.25 0.759
olvi4* 0.056 0.013 -0.249
cmyn4* 0.125 0.25 0.759
standard and adapted CIELAB
LAB*LAB 16.57 -1.41 2.06
LAB*LABa 16.57 -1.41 2.06
LAB*TCRa 0.01 -

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

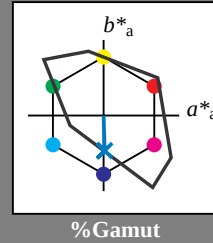
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.0 0.0
LAB*LABa 96.31 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.895 1.0 (1.0)
cmyn3* 0.25 0.105 0.0 (0.0)
olvi4* 0.75 0.895 1.0 (1.0)
cmyn4* 0.25 0.105 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 87.92 0.35 -11.85
LAB*LABa 87.92 0.35 -11.85
LAB*TCRa 87.5 1.187 271.71

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.281 0.25 1.0 (1.0)
cmyn3* 0.719 0.75 0.0 (0.0)
olvi4* 0.281 0.25 1.0 (1.0)
cmyn4* 0.719 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.36 0.92 -31.24
LAB*LABa 49.36 0.92 -31.24
LAB*TCRa 62.5 33.58 273.06

relative Inform. Technology (IT)
olvi3* 0.281 0.25 1.0 (1.0)
cmyn3* 0.719 0.75 0.0 (0.0)
olvi4* 0.281 0.25 1.0 (1.0)
cmyn4* 0.719 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.36 0.92 -31.24
LAB*LABa 49.36 0.92 -31.24
LAB*TCRa 62.5 33.58 273.06

relative Inform. Technology (IT)
olvi3* 0.419 0.0 -0.749
cmyn3* 0.581 0.0 0.759
olvi4* 0.419 0.0 -0.749
cmyn4* 0.581 0.0 0.759
standard and adapted CIELAB
LAB*LAB 45.48 1.2 -22.35
LAB*LABa 45.48 1.2 -22.35
LAB*TCRa 50.0 22.39 273.06

relative Inform. Technology (IT)
olvi3* 0.419 0.0 -0.749
cmyn3* 0.581 0.0 0.759
olvi4* 0.419 0.0 -0.749
cmyn4* 0.581 0.0 0.759
standard and adapted CIELAB
LAB*LAB 45.48 1.2 -22.35
LAB*LABa 45.48 1.2 -22.35
LAB*TCRa 50.0 22.39 273.06

relative Inform. Technology (IT)
olvi3* 0.042 0.0 1.0 (1.0)
cmyn3* 0.958 1.0 0.0 (0.0)
olvi4* 0.042 0.0 1.0 (1.0)
cmyn4* 0.958 1.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 34.52 2.38 -44.71
LAB*LABa 34.52 2.38 -44.71
LAB*TCRa 50.0 44.78 273.05

relative Inform. Technology (IT)
olvi3* 0.042 0.0 1.0 (1.0)
cmyn3* 0.958 1.0 0.0 (0.0)
olvi4* 0.042 0.0 1.0 (1.0)
cmyn4* 0.958 1.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 34.52 2.38 -44.71
LAB*LABa 34.52 2.38 -44.71
LAB*TCRa 50.0 44.78 273.05

relative Inform. Technology (IT)
olvi3* 0.225 0.053 -0.997
cmyn3* 0.775 0.75 0.759
olvi4* 0.225 0.053 -0.997
cmyn4* 0.775 0.75 0.759
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.225 0.053 -0.997
cmyn3* 0.775 0.75 0.759
olvi4* 0.225 0.053 -0.997
cmyn4* 0.775 0.75 0.759
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 -

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	273

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

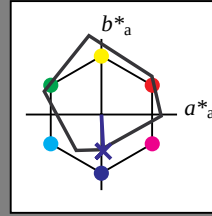
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	96.31	0.0	0.0	0.0
LAB*LABa	96.31	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.38	-0.44	2.45	0.0
LAB*LABa	76.38	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.51	0.5	0.75	(1.0)
cmyn3*	0.49	0.5	0.25	(0.0)
olvi4*	0.25	0.25	0.75	(1.0)
cmyn4*	0.24	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	60.52	-0.09	-8.81	0.0
LAB*LABa	60.92	0.6	-11.17	0.0
LAB*TCRa	62.5	1.19	273.06	0.0
relative CIELAB lab*				
lab*lab	0.51	0.013	-0.249	0.0
lab*tch	0.875	0.25	0.758	0.0
lab*nch	0.0	0.25	0.759	0.0
relative Natural Colour (NC)				
lab*trj	0.51	0.0	-0.249	0.0
lab*tce	0.875	0.25	0.758	0.0
lab*nce	0.0	0.25	0.759	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.44	-0.76	2.32	0.0
LAB*LABa	56.44	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	36.5	-1.09	2.19	0.0
LAB*LABa	36.5	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.01	0.0	0.25	(1.0)
cmyn3*	0.99	1.0	0.75	(0.0)
olvi4*	0.76	0.75	1.0	(1.0)
cmyn4*	0.24	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	21.05	-0.75	-90.7	0.0
LAB*LABa	21.05	0.59	-11.17	0.0
LAB*TCRa	12.5	1.19	273.06	0.0
relative CIELAB lab*				
lab*lab	0.01	0.013	-0.249	0.0
lab*tch	0.125	0.25	0.758	0.0
lab*nch	0.75	0.25	0.759	0.0
relative Natural Colour (NC)				
lab*trj	0.01	0.0	-0.249	0.0
lab*tce	0.125	0.25	0.758	0.0
lab*nce	0.75	0.25	0.759	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	0.0
LAB*LABa	16.57	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	0.0
LAB*LABa	16.57	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	0.0
LAB*LABa	16.57	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	0.0
LAB*LABa	16.57	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	0.0
LAB*LABa	16.57	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	0.0
LAB*LABa	16.57	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	16.57	-1.41	2.06	0.0
LAB*LABa	16.57	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB				

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

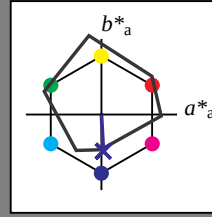
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness t^*



DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

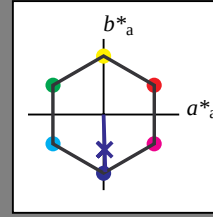
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

0,00

chromaticness c^*

$n^* = 1,0$

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 273/360 = 0.759 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

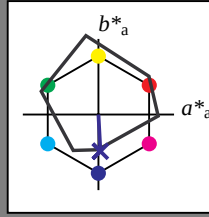
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0	2.58
LAB*LABa	96.31	0.0	0.0	2.58
LAB*LABb	99.99	0.01	-	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	-
lab*tch	1.0	0.0	0.0	-
lab*nch	0.0	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0	-
lab*tce	0.0	0.0	0.0	-
lab*nce	0.0	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45	-
LAB*LABa	76.38	0.0	0.0	-
LAB*LABb	75.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	-
lab*tch	0.75	0.0	0.0	-
lab*nch	0.0	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0	-
lab*tce	0.25	0.0	0.0	-
lab*nce	0.25	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32	-
LAB*LABa	56.44	0.0	0.0	-
LAB*LABb	50.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0	-
lab*tch	0.5	0.0	0.0	-
lab*nch	0.0	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0	-
lab*tce	0.5	0.0	0.0	-
lab*nce	0.5	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19	-
LAB*LABa	36.5	0.0	0.0	-
LAB*LABb	25.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0	-
lab*tch	0.25	0.0	0.0	-
lab*nch	0.0	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0	-
lab*tce	0.25	0.0	0.0	-
lab*nce	0.25	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06	-
LAB*LABa	16.57	0.0	0.0	-
LAB*LABb	0.0	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	-
lab*tch	0.0	0.0	0.0	-
lab*nch	0.0	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	-
lab*tce	0.0	0.0	0.0	-
lab*nce	0.0	0.0	0.0	-

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	0.521	0.5	1.0	(1.0)
cmyn3*	0.479	0.5	0.0	(0.0)
olvi4*	0.521	0.5	1.0	(1.0)
cmyn4*	0.479	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	65.41	1.2	-22.35	-
LAB*LABa	65.41	1.2	-22.35	-
LAB*LABb	75.0	22.39	273.06	-

relative CIELAB lab*

lab*lab	0.613	0.027	-0.498	-
lab*tch	0.75	0.5	0.759	-
lab*nch	0.0	0.5	0.759	-

relative Natural Colour (NC)

lab*trj	0.613	0.0	0.499	-
lab*tce	0.5	0.5	0.75	-
lab*nce	0.0	0.5	0.75	-

relative Inform. Technology (IT)

olvi3*	0.271	0.25	0.75	(1.0)
cmyn3*	0.729	0.25	0.25	(0.0)
olvi4*	0.521	0.5	1.0	(1.0)
cmyn4*	0.479	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	45.48	0.25	-20.09	-
LAB*LABa	45.48	1.2	-22.35	-
LAB*LABb	50.0	22.39	273.06	-

relative CIELAB lab*

lab*lab	0.363	0.027	-0.498	-
lab*tch	0.625	0.75	0.759	-
lab*nch	0.0	0.75	0.759	-

relative Natural Colour (NC)

lab*trj	0.363	0.0	0.499	-
lab*tce	0.5	0.5	0.75	-
lab*nce	0.25	0.5	0.75	-

relative Inform. Technology (IT)

olvi3*	0.021	0.0	0.5	(1.0)
cmyn3*	0.979	1.0	0.5	(0.0)
olvi4*	0.521	0.5	1.0	(1.0)
cmyn4*	0.479	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	25.54	-0.08	-20.22	-
LAB*LABa	25.54	1.19	-22.35	-
LAB*LABb	25.01	22.39	273.06	-

relative CIELAB lab*

lab*lab	0.113	0.027	-0.498	-
lab*tch	0.25	0.5	0.758	-
lab*nch	0.0	0.5	0.758	-

relative Natural Colour (NC)

lab*trj	0.113	0.0	0.499	-
lab*tce	0.25	0.5	0.75	-
lab*nce	0.0	0.5	0.75	-

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	-
LAB*LABa	0.0	0.0	0.0	-
LAB*LABb	0.0	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	-
lab*tch	0.0	0.0	0.0	-
lab*nch	0.0	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	-
lab*tce	0.0	0.0	0.0	-
lab*nce	0.0	0.0	0.0	-

$n^* = 0,25$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	-
LAB*LABa	0.0	0.0	0.0	-
LAB*LABb	0.0	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	-
lab*tch	0.0	0.0	0.0	-
lab*nch	0.0	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	-
lab*tce	0.0	0.0	0.0	-
lab*nce	0.0	0.0	0.0	-

$n^* = 0,00$

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

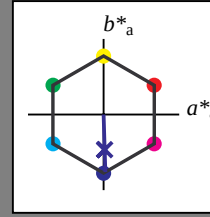
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0	-
LAB*LABa	95.41	0.0	0.0	-
LAB*LABb	99.99	0.01	-	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	-
lab*tch	1.0	0.0	0.0	-
lab*nch	0.0	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0	-
lab*tce	0.0	0.0	0.0	-
lab*nce	0.0	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0	-
LAB*LABa	76.07	0.0	0.0	-
LAB*LABb	75.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	-
lab*tch	0.75	0.0	0.0	-
lab*nch	0.0	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0	-
lab*tce	0.25	0.0	0.0	-
lab*nce	0.25	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0	-
LAB*LABa	56.72	0.0	0.0	-
LAB*LABb	50.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0	-
lab*tch	0.5	0.0	0.0	-
lab*nch	0.0	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0	-
lab*tce	0.5	0.0	0.0	-
lab*nce	0.5	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0	-
LAB*LABa	37.37	0.0	0.0	-
LAB*LABb	25.0	0.01	-	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0	-
lab*tch	0.25	0.0	0.0	-
lab*nch	0.0	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0	-
lab*tce	0.25	0.0	0.0	-
lab*nce	0.25	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0	-
LAB*LABa	18.03	0.0	0.0	-
LAB*LABb	0.0	0.0	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	-
lab*tch	0.0	0.0	0.0	-
lab*nch	0.0	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	-
lab*tce	0.0	0.0	0.0	-
lab*nce	0.0	0.0	0.0	-

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	-
LAB*LABa	0.0	0.0	0.0	-
LAB*LABb	0.0	0.0	0.0	-

relative CIELAB lab*

||
||
||

Input: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

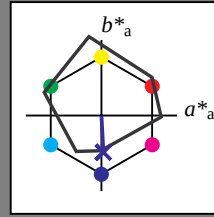
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.0	0.0
LAB*LABa	96.31	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	-0.44	2.45
LAB*LABa	76.38	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	-0.76	2.32
LAB*LABa	56.44	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	-1.09	2.19
LAB*LABa	36.5	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	-1.41	2.06
LAB*LABa	16.57	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)

olvi3*	0.521	0.5	1.0	(1.0)
cmyn3*	0.479	0.5	0.0	(0.0)
olvi4*	0.521	0.5	1.0	(1.0)
cmyn4*	0.479	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	65.41	0.57	19.96
LAB*LABa	65.41	1.2	-22.35
LAB*LABb	75.0	22.39	273.06

relative CIELAB lab*

lab*lab	0.613	0.027	-0.498
lab*tch	0.75	0.5	0.759
lab*nch	0.0	0.5	0.759

relative Natural Colour (NC)

lab*trj	0.613	0.0	0.499
lab*tce	0.5	0.5	0.75
lab*nce	0.0	0.5	0.75

relative Inform. Technology (IT)

olvi3*	0.271	0.25	0.75	(1.0)
cmyn3*	0.729	0.75	0.25	(0.0)
olvi4*	0.521	0.5	1.0	(1.0)
cmyn4*	0.479	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	45.48	0.25	-20.09
LAB*LABa	45.48	1.2	-22.35
LAB*LABb	50.0	22.39	273.06

relative CIELAB lab*

lab*lab	0.363	0.027	-0.498
lab*tch	0.375	0.25	0.759
lab*nch	0.25	0.5	0.759

relative Natural Colour (NC)

lab*trj	0.363	0.0	0.499
lab*tce	0.5	0.5	0.75
lab*nce	0.25	0.5	0.75

relative Inform. Technology (IT)

olvi3*	0.021	0.0	0.5	(1.0)
cmyn3*	0.979	1.0	0.5	(0.0)
olvi4*	0.521	0.5	1.0	(1.0)
cmyn4*	0.479	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	25.54	-0.08	-20.22
LAB*LABa	25.54	1.19	-22.35
LAB*LABb	25.01	22.39	273.04

relative CIELAB lab*

lab*lab	0.113	0.027	-0.498
lab*tch	0.25	0.5	0.758
lab*nch	0.0	0.5	0.758

relative Natural Colour (NC)

lab*trj	0.113	0.0	0.499
lab*tce	0.25	0.5	0.75
lab*nce	0.0	0.5	0.75

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.06	0.0	-0.249
LAB*LABa	0.06	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 0,25$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 0,00$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 0,00$

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

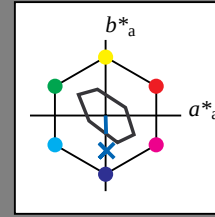
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.41	0.0	0.0
LAB*LABa	96.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.56	0.0	0.0
LAB*LABa	62.56	0.0	0.0
LAB*LABb	50.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	45.48	0.25	-20.09
LAB*LABa	45.48	1.2	-22.35
LAB*LABb	50.0	22.39	273.06

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

$n^* = 0,00$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 0,25$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

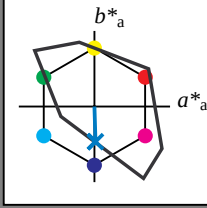
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	77.00	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	57.00	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	37.50	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	18.00	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3*	0.75	0.895	1.0	(1.0)
cmyn3*	0.25	0.105	0.0	(0.0)
olvi4*	0.75	0.895	1.0	(1.0)
cmyn4*	0.25	0.105	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	87.93	0.35	-11.85
LAB*LABa	87.92	0.35	-11.85
LAB*LABb	87.5	1.187	271.71

relative CIELAB lab*

lab*lab	0.903	0.007	-0.249
lab*tch	0.875	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.903	0.0	-0.249
lab*tce	0.875	0.25	0.755
lab*nce	0.0	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.5	0.645	0.75	(1.0)
cmyn3*	0.5	0.355	0.25	(0.0)
olvi4*	0.75	0.895	1.0	(1.0)
cmyn4*	0.25	0.105	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	68.57	0.36	-11.86
LAB*LABa	68.57	0.36	-11.86
LAB*LABb	68.57	1.188	271.74

relative CIELAB lab*

lab*lab	0.653	0.008	-0.249
lab*tch	0.625	0.25	0.755
lab*nch	0.25	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.653	0.0	-0.249
lab*tce	0.625	0.25	0.755
lab*nce	0.25	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.25	0.395	0.5	(1.0)
cmyn3*	0.75	0.605	0.5	(0.0)
olvi4*	0.75	0.895	1.0	(1.0)
cmyn4*	0.25	0.105	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	49.22	0.36	-11.86
LAB*LABa	49.22	0.36	-11.86
LAB*LABb	49.22	1.188	271.74

relative CIELAB lab*

lab*lab	0.403	0.008	-0.249
lab*tch	0.375	0.25	0.755
lab*nch	0.25	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.403	0.0	-0.249
lab*tce	0.375	0.25	0.755
lab*nce	0.25	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.145	0.25	(1.0)
cmyn3*	1.0	0.855	0.75	(0.0)
olvi4*	0.75	0.895	1.0	(1.0)
cmyn4*	0.25	0.105	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	29.88	0.36	-11.86
LAB*LABa	29.88	0.36	-11.86
LAB*LABb	29.88	1.188	271.74

relative CIELAB lab*

lab*lab	0.153	0.008	-0.249
lab*tch	0.125	0.25	0.755
lab*nch	0.25	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.153	0.0	-0.249
lab*tce	0.125	0.25	0.755
lab*nce	0.25	0.25	0.755

$n^* = 0,25$

relative Inform. Technology (IT)

olvi3*	0.5	0.79	1.0	(1.0)
cmyn3*	0.5	0.21	0.0	(0.0)
olvi4*	0.75	0.895	1.0	(1.0)
cmyn4*	0.5	0.21	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	80.44	0.71	-23.73
LAB*LABa	80.44	0.71	-23.73
LAB*LABb	80.44	23.75	271.72

relative CIELAB lab*

lab*lab	0.807	0.015	-0.499
lab*tch	0.75	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.807	0.0	-0.499
lab*tce	0.75	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.25	0.54	0.75	(1.0)
cmyn3*	0.75	0.46	0.25	(0.0)
olvi4*	0.75	0.895	1.0	(1.0)
cmyn4*	0.5	0.21	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	61.09	0.72	-23.74
LAB*LABa	61.09	0.72	-23.74
LAB*LABb	61.09	23.76	271.74

relative CIELAB lab*

lab*lab	0.557	0.015	-0.499
lab*tch	0.5	0.5	0.755
lab*nch	0.25	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.557	0.0	-0.499
lab*tce	0.5	0.5	0.755
lab*nce	0.25	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.29	0.5	(1.0)
cmyn3*	1.0	0.71	0.5	(0.0)
olvi4*	0.75	0.895	1.0	(1.0)
cmyn4*	0.5	0.21	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	41.74	0.72	-23.74
LAB*LABa	41.74	0.72	-23.74
LAB*LABb	41.74	23.76	271.75

relative CIELAB lab*

lab*lab	0.307	0.015	-0.499
lab*tch	0.25	0.5	0.755
lab*nch	0.5	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.307	0.0	-0.499
lab*tce	0.25	0.5	0.755
lab*nce	0.5	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.145	0.25	(1.0)
cmyn3*	1.0	0.855	0.75	(0.0)
olvi4*	0.75	0.895	1.0	(1.0)
cmyn4*	0.25	0.105	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	25.01	0.72	-23.74
LAB*LABa	25.01	0.72	-23.74
LAB*LABb	25.01	23.76	271.75

relative CIELAB lab*

lab*lab	0.153	0.015	-0.499
lab*tch	0.125	0.25	0.755
lab*nch	0.75	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.153	0.0	-0.499
lab*tce	0.125	0.25	0.755
lab*nce	0.75	0.25	0.755

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.25	0.685	1.0	(1.0)
cmyn3*	0.75	0.315	0.0	(0.0)
olvi4*	0.25	0.685	1.0	(1.0)
cmyn4*	0.75	0.315	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	72.95	1.07	-35.6
LAB*LABa	72.95	1.07	-35.6
LAB*LABb	72.95	35.63	271.73

relative CIELAB lab*

lab*lab	0.71	0.023	-0.749
lab*tch	0.625	0.75	0.755
lab*nch	0.0	0.75	0.755

relative Natural Colour (NC)

lab*trj	0.71	0.0	-0.749
lab*tce	0.625	0.75	0.755
lab*nce	0.0	0.75	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.581	1.0	(1.0)
cmyn3*	1.0	0.419	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.419	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	65.47	1.44	-47.47
LAB*LABa	65.47	1.44	-47.47
LAB*LABb	65.47	47.5	271.74

relative CIELAB lab*

lab*lab	0.613	0.03	-0.998
lab*tch	0.5	1.0	0.755
lab*nch	0.0	1.0	0.755

relative Natural Colour (NC)

lab*trj	0.613	0.0	-0.998
lab*tce	0.5	1.0	0.755
lab*nce	0.0	1.0	0.755

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.0	0.0
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.372	0.5	(1.0)
cmyn3*	0.75	0.628	0.5	(0.0)
olvi4*	0.75	0.892	1.0	(1.0)
cmyn4*	0.25	0.128	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	49.25	0.45	-20.7
LAB*LABa	49.25	0.45	-20.7
LAB*LABb	49.25	20.7	271.41

relative CIELAB lab*

lab*lab	0.404	0.012	-0.499
lab*tch	0.375	0.25	0.754
lab*nch	0.25	0.25	0.754

relative Natural Colour (NC)

lab*trj	0.404	0.0	-0.499
lab*tce	0.375	0.25	0.754
lab*nce	0.25	0.25	0.754

relative Inform. Technology (IT)

olvi3*	0.0	0.22	0.25	(1.0)
cmyn3*	1.0	0.778	0.75	(0.0)
olvi4*	0.75	0.892	1.0	(1.0)
cmyn4*	0.25	0.128	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.83
LAB*LABa	37.36	0.13	0.83
LAB*LABb	37.36	0.01	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

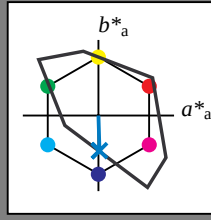
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*LABb	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*LABb	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*LABb	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*LABb	0.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.895	1.0	(1.0)
cmyn3*	0.25	0.105	0.0	(0.0)
olvi4*	0.75	0.895	1.0	(1.0)
cmyn4*	0.25	0.105	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	87.93	0.35	-11.85	
LAB*LABa	87.93	0.35	-11.85	
LAB*LABb	87.5	1.87	271.71	
relative CIELAB lab*				
lab*lab	0.903	0.007	-0.249	
lab*tch	0.875	0.25	0.755	
lab*nch	0.0	0.25	0.755	
relative Natural Colour (NC)				
lab*trj	0.903	0.0	-0.249	
lab*tce	0.875	0.25	0.755	
lab*nce	0.0	0.25	0.755	

relative Inform. Technology (IT)				
olvi3*	0.5	0.645	0.75	(1.0)
cmyn3*	0.5	0.355	0.25	(0.0)
olvi4*	0.75	0.895	1.0	(1.0)
cmyn4*	0.25	0.105	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	68.57	0.36	-11.86	
LAB*LABa	68.57	0.36	-11.86	
LAB*LABb	68.57	1.88	271.74	
relative CIELAB lab*				
lab*lab	0.653	0.008	-0.249	
lab*tch	0.625	0.25	0.755	
lab*nch	0.25	0.25	0.755	
relative Natural Colour (NC)				
lab*trj	0.653	0.0	-0.249	
lab*tce	0.625	0.25	0.755	
lab*nce	0.25	0.25	0.755	

relative Inform. Technology (IT)				
olvi3*	0.25	0.395	0.5	(1.0)
cmyn3*	0.75	0.605	0.5	(0.0)
olvi4*	0.75	0.895	1.0	(1.0)
cmyn4*	0.25	0.105	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	49.22	0.36	-11.86	
LAB*LABa	49.22	0.36	-11.86	
LAB*LABb	49.22	1.88	271.74	
relative CIELAB lab*				
lab*lab	0.403	0.008	-0.249	
lab*tch	0.375	0.25	0.755	
lab*nch	0.25	0.25	0.755	
relative Natural Colour (NC)				
lab*trj	0.403	0.0	-0.249	
lab*tce	0.375	0.25	0.755	
lab*nce	0.25	0.25	0.755	

relative Inform. Technology (IT)				
olvi3*	0.0	0.145	0.25	(1.0)
cmyn3*	1.0	0.855	0.75	(0.0)
olvi4*	0.75	0.895	1.0	(1.0)
cmyn4*	0.25	0.105	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	29.88	0.36	-11.86	
LAB*LABa	29.88	0.36	-11.86	
LAB*LABb	29.88	1.88	271.74	
relative CIELAB lab*				
lab*lab	0.153	0.008	-0.249	
lab*tch	0.125	0.25	0.755	
lab*nch	0.75	0.25	0.755	
relative Natural Colour (NC)				
lab*trj	0.153	0.0	-0.249	
lab*tce	0.125	0.25	0.755	
lab*nce	0.75	0.25	0.755	

relative Inform. Technology (IT)				
olvi3*	0.5	0.79	1.0	(1.0)
cmyn3*	0.5	0.21	0.0	(0.0)
olvi4*	0.5	0.79	1.0	(1.0)
cmyn4*	0.5	0.21	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	80.44	0.71	-23.73	
LAB*LABa	80.44	0.71	-23.73	
LAB*LABb	80.44	23.75	271.72	
relative CIELAB lab*				
lab*lab	0.807	0.015	-0.499	
lab*tch	0.75	0.5	0.755	
lab*nch	0.0	0.5	0.755	
relative Natural Colour (NC)				
lab*trj	0.807	0.0	-0.499	
lab*tce	0.75	0.5	0.755	
lab*nce	0.0	0.5	0.755	

relative Inform. Technology (IT)				
olvi3*	0.25	0.54	0.75	(1.0)
cmyn3*	0.75	0.46	0.25	(0.0)
olvi4*	0.5	0.79	1.0	(1.0)
cmyn4*	0.5	0.21	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	61.09	0.72	-23.74	
LAB*LABa	61.09	0.72	-23.74	
LAB*LABb	61.09	23.76	271.74	
relative CIELAB lab*				
lab*lab	0.557	0.015	-0.499	
lab*tch	0.5	0.5	0.755	
lab*nch	0.0	0.5	0.755	
relative Natural Colour (NC)				
lab*trj	0.557	0.0	-0.499	
lab*tce	0.5	0.5	0.755	
lab*nce	0.0	0.5	0.755	

relative Inform. Technology (IT)				
olvi3*	0.0	0.29	0.5	(1.0)
cmyn3*	1.0	0.71	0.5	(0.0)
olvi4*	0.5	0.79	1.0	(1.0)
cmyn4*	0.5	0.21	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	41.74	0.72	-23.74	
LAB*LABa	41.74	0.72	-23.74	
LAB*LABb	41.74	23.76	271.75	
relative CIELAB lab*				
lab*lab	0.46	0.023	-0.749	
lab*tch	0.375	0.5	0.755	
lab*nch	0.0	0.5	0.755	
relative Natural Colour (NC)				
lab*trj	0.46	0.0	-0.749	
lab*tce	0.375	0.5	0.755	
lab*nce	0.0	0.5	0.755	

relative Inform. Technology (IT)				
olvi3*	0.0	0.145	0.25	(1.0)
cmyn3*	1.0	0.855	0.75	(0.0)
olvi4*	0.75	0.895	1.0	(1.0)
cmyn4*	0.25	0.105	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	29.88	0.36	-11.86	
LAB*LABa	29.88	0.36	-11.86	
LAB*LABb	29.88	1.88	271.74	
relative CIELAB lab*				
lab*lab	0.153	0.008	-0.249	
lab*tch	0.125	0.25	0.755	
lab*nch	0.75	0.25	0.755	
relative Natural Colour (NC)				
lab*trj	0.153	0.0	-0.249	
lab*tce	0.125	0.25	0.755	
lab*nce	0.75	0.25	0.755	

%Regulation	
$g^*_{H,rel}$	=
$g^*_{C,rel}$	=

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

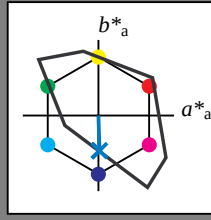
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.75	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olvi3*	0.5	0.79	1.0	(1.0)
cmyn3*	0.5	0.21	0.0	(0.0)
olvi4*	0.5	0.79	1.0	(1.0)
cmyn4*	0.5	0.21	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	80.44	0.71	-23.73
LAB*LABa	80.44	0.71	-23.73
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.807	0.015	-0.499
lab*tch	0.75	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.807	0.015	-0.499
lab*tce	0.5	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.25	0.54	0.75	(1.0)
cmyn3*	0.75	0.46	0.25	(0.0)
olvi4*	0.5	0.79	1.0	(1.0)
cmyn4*	0.5	0.21	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	61.09	0.72	-23.74
LAB*LABa	61.09	0.72	-23.74
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.557	0.015	-0.499
lab*tch	0.5	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.557	0.015	-0.499
lab*tce	0.5	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.29	0.5	(1.0)
cmyn3*	1.0	0.71	0.5	(0.0)
olvi4*	0.5	0.79	1.0	(1.0)
cmyn4*	0.5	0.21	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	41.74	0.72	-23.74
LAB*LABa	41.74	0.72	-23.74
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.307	0.015	-0.499
lab*tch	0.25	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.307	0.015	-0.499
lab*tce	0.25	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.145	0.25	(1.0)
cmyn3*	1.0	0.855	0.25	(0.0)
olvi4*	0.75	0.895	1.0	(1.0)
cmyn4*	0.25	0.105	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	29.88	0.36	-11.86
LAB*LABa	29.88	0.36	-11.86
LAB*LABb	12.5	0.01	-

relative CIELAB lab*

lab*lab	0.153	0.008	-0.249
lab*tch	0.125	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.153	0.008	-0.249
lab*tce	0.125	0.25	0.755
lab*nce	0.0	0.25	0.755

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

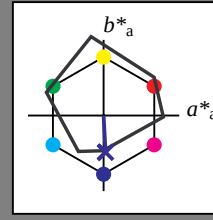
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.11	2.58
LAB*LABa	96.31	0.11	2.58
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	0.44	2.45
LAB*LABa	76.38	0.44	2.45
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	65.47	1.44	-47.47
LAB*LABa	65.47	1.44	-47.47
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	0.76	2.32
LAB*LABa	56.44	0.76	2.32
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.435	0.75	(1.0)
cmyn3*	1.0	0.565	0.25	(0.0)
olvi4*	0.5	0.79	1.0	(1.0)
cmyn4*	0.5	0.21	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	63.47	1.44	-47.47
LAB*LABa	63.47	1.44	-47.47
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.613	0.03	-0.998
lab*tch	0.5	1.0	0.755
lab*nch	0.0	1.0	0.755

relative Natural Colour (NC)

lab*trj	0.613	0.03	-0.998
lab*tce	0.5	1.0	0.755
lab*nce	0.0	1.0	0.755

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

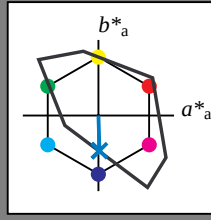
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCa	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCa	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 1,0$

relative Inform. Technology (IT)				
olvi3*	0.75	0.895	1.0	(1.0)
cmyn3*	0.25	0.105	0.0	(0.0)
olvi4*	0.75	0.895	1.0	(1.0)
cmyn4*	0.25	0.105	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	87.93	0.35	-11.85	
LAB*LABa	87.93	0.35	-11.85	
LAB*TCa	87.5	1.187	271.71	
relative CIELAB lab*				
lab*lab	0.903	0.007	-0.249	
lab*tch	0.875	0.25	0.755	
lab*nch	0.0	0.25	0.755	
relative Natural Colour (NC)				
lab*trj	0.903	0.0	-0.249	
lab*tce	0.875	0.25	0.755	
lab*nce	0.0	0.25	0.755	

relative Inform. Technology (IT)				
olvi3*	0.5	0.645	0.75	(1.0)
cmyn3*	0.5	0.355	0.25	(0.0)
olvi4*	0.5	0.645	0.75	(1.0)
cmyn4*	0.5	0.355	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	68.57	0.36	-11.86	
LAB*LABa	68.57	0.36	-11.86	
LAB*TCa	62.5	1.188	271.74	
relative CIELAB lab*				
lab*lab	0.653	0.008	-0.249	
lab*tch	0.625	0.25	0.755	
lab*nch	0.0	0.25	0.755	
relative Natural Colour (NC)				
lab*trj	0.653	0.0	-0.249	
lab*tce	0.625	0.25	0.755	
lab*nce	0.0	0.25	0.755	

relative Inform. Technology (IT)				
olvi3*	0.25	0.395	0.5	(1.0)
cmyn3*	0.75	0.605	0.5	(0.0)
olvi4*	0.25	0.395	0.5	(1.0)
cmyn4*	0.75	0.605	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	49.22	0.36	-11.86	
LAB*LABa	49.22	0.36	-11.86	
LAB*TCa	37.5	1.188	271.74	
relative CIELAB lab*				
lab*lab	0.403	0.008	-0.249	
lab*tch	0.375	0.25	0.755	
lab*nch	0.0	0.25	0.755	
relative Natural Colour (NC)				
lab*trj	0.403	0.0	-0.249	
lab*tce	0.375	0.25	0.755	
lab*nce	0.0	0.25	0.755	

relative Inform. Technology (IT)				
olvi3*	0.0	0.145	0.25	(1.0)
cmyn3*	1.0	0.855	0.75	(0.0)
olvi4*	0.0	0.145	0.25	(1.0)
cmyn4*	1.0	0.855	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	29.88	0.36	-11.86	
LAB*LABa	29.88	0.36	-11.86	
LAB*TCa	12.5	1.188	271.76	
relative CIELAB lab*				
lab*lab	0.153	0.008	-0.249	
lab*tch	0.125	0.25	0.755	
lab*nch	0.0	0.25	0.755	
relative Natural Colour (NC)				
lab*trj	0.153	0.0	-0.249	
lab*tce	0.125	0.25	0.755	
lab*nce	0.0	0.25	0.755	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	0.0	0.0	0.0	(1.0)
cmyn4*	1.0	1.0	1.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 0,25$

relative Inform. Technology (IT)				
olvi3*	0.5	0.79	1.0	(1.0)
cmyn3*	0.5	0.21	0.0	(0.0)
olvi4*	0.5	0.79	1.0	(1.0)
cmyn4*	0.5	0.21	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	80.44	0.71	-23.73	
LAB*LABa	80.44	0.71	-23.73	
LAB*TCa	75.0	23.75	271.72	
relative CIELAB lab*				
lab*lab	0.807	0.015	-0.499	
lab*tch	0.75	0.5	0.755	
lab*nch	0.0	0.5	0.755	
relative Natural Colour (NC)				
lab*trj	0.807	0.0	-0.499	
lab*tce	0.75	0.5	0.755	
lab*nce	0.0	0.5	0.755	

relative Inform. Technology (IT)				
olvi3*	0.25	0.54	0.75	(1.0)
cmyn3*	0.75	0.46	0.25	(0.0)
olvi4*	0.25	0.54	0.75	(1.0)
cmyn4*	0.75	0.46	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	61.09	0.72	-23.74	
LAB*LABa	61.09	0.72	-23.74	
LAB*TCa	50.0	23.76	271.74	
relative CIELAB lab*				
lab*lab	0.557	0.015	-0.499	
lab*tch	0.5	0.5	0.755	
lab*nch	0.0	0.5	0.755	
relative Natural Colour (NC)				
lab*trj	0.557	0.0	-0.499	
lab*tce	0.5	0.5	0.755	
lab*nce	0.0	0.5	0.755	

relative Inform. Technology (IT)				
olvi3*	0.0	0.435	0.75	(1.0)
cmyn3*	1.0	0.565	0.25	(0.0)
olvi4*	0.0	0.435	0.75	(1.0)
cmyn4*	1.0	0.565	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	53.6	1.09	-35.61	
LAB*LABa	53.6	1.09	-35.61	
LAB*TCa	37.51	35.63	271.75	
relative CIELAB lab*				
lab*lab	0.46	0.023	-0.749	
lab*tch	0.375	0.75	0.755	
lab*nch	0.0	0.75	0.755	
relative Natural Colour (NC)				
lab*trj	0.46	0.0	-0.749	
lab*tce	0.375	0.75	0.755	
lab*nce	0.0	0.75	0.755	

relative Inform. Technology (IT)				
olvi3*	0.0	0.29	0.5	(1.0)
cmyn3*	1.0	0.71	0.5	(0.0)
olvi4*	0.0	0.29	0.5	(1.0)
cmyn4*	1.0	0.71	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	41.74	0.72	-23.74	
LAB*LABa	41.74	0.72	-23.74	
LAB*TCa	25.01	23.76	271.75	
relative CIELAB lab*				
lab*lab	0.307	0.015	-0.499	
lab*tch	0.25	0.5	0.755	
lab*ncb	0.5	0.5	0.755	
relative Natural Colour (NC)				
lab*lab	0.307	0.0	-0.499	
lab*tce	0.25	0.5	0.75	
lab*nce	0.5	0.5	b00r	

$n^* = 0,50$

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

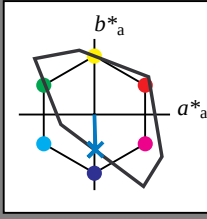
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 76.07 \ 0.0 \ 0.0$
 $LAB^*TCha \ 76.07 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 56.72 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 37.37 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 18.03 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

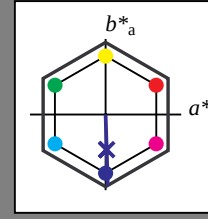
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 71.57 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 56.47 \ 0.0 \ 0.0$
 $LAB^*TCha \ 56.47 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 37.37 \ 0.0 \ 0.0$
 $LAB^*TCha \ 37.37 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.75 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 18.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 18.03 \ 0.0 \ 0.0$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* \ 0.276 \ 0.25 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.724 \ 0.75 \ 0.0 \ (0.0)$
 $olvi4^* \ 0.276 \ 0.25 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.724 \ 0.75 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 48.53 \ 2.13 \ -70.3$
 $LAB^*TCha \ 62.5 \ 70.34 \ 271.74$

relative Inform. Technology (IT)
 $olvi3^* \ 0.509 \ 0.5 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.491 \ 0.5 \ 0.25 \ (0.0)$
 $olvi4^* \ 0.759 \ 0.75 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.241 \ 0.25 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 55.93 \ 0.71 \ -23.43$
 $LAB^*TCha \ 62.5 \ 23.45 \ 271.74$

relative Inform. Technology (IT)
 $olvi3^* \ 0.267 \ 0.25 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.733 \ 0.75 \ 0.25 \ (0.0)$
 $olvi4^* \ 0.517 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.483 \ 0.5 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 40.31 \ 1.42 \ -46.87$
 $LAB^*TCha \ 50.0 \ 46.9 \ 271.74$

relative Inform. Technology (IT)
 $olvi3^* \ 0.509 \ 0.5 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.491 \ 0.5 \ 0.25 \ (0.0)$
 $olvi4^* \ 0.759 \ 0.75 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.241 \ 0.25 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 55.93 \ 0.71 \ -23.43$
 $LAB^*TCha \ 62.5 \ 23.45 \ 271.74$

relative Inform. Technology (IT)
 $olvi3^* \ 0.259 \ 0.25 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.741 \ 0.75 \ 0.5 \ (0.0)$
 $olvi4^* \ 0.759 \ 0.75 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.241 \ 0.25 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 32.08 \ 0.71 \ -23.43$
 $LAB^*TCha \ 37.5 \ 23.45 \ 271.74$

relative Inform. Technology (IT)
 $olvi3^* \ 0.259 \ 0.25 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.741 \ 0.75 \ 0.5 \ (0.0)$
 $olvi4^* \ 0.759 \ 0.75 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.241 \ 0.25 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 32.08 \ 0.71 \ -23.43$
 $LAB^*TCha \ 37.5 \ 23.45 \ 271.74$

relative Inform. Technology (IT)
 $olvi3^* \ 0.017 \ 0.0 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.983 \ 1.0 \ 0.5 \ (0.0)$
 $olvi4^* \ 0.517 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.483 \ 0.5 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.46 \ 1.41 \ -46.86$
 $LAB^*TCha \ 25.01 \ 46.9 \ 271.74$

relative Inform. Technology (IT)
 $olvi3^* \ 0.017 \ 0.0 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.983 \ 1.0 \ 0.5 \ (0.0)$
 $olvi4^* \ 0.517 \ 0.5 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.483 \ 0.5 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 16.46 \ 1.41 \ -46.86$
 $LAB^*TCha \ 25.01 \ 46.9 \ 271.74$

relative Inform. Technology (IT)
 $olvi3^* \ 0.009 \ 0.0 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.991 \ 1.0 \ 0.75 \ (0.0)$
 $olvi4^* \ 0.759 \ 0.75 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.241 \ 0.25 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 8.24 \ 0.7 \ -23.42$
 $LAB^*TCha \ 12.8 \ 23.45 \ 271.72$

relative Inform. Technology (IT)
 $olvi3^* \ 0.009 \ 0.0 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.991 \ 1.0 \ 0.75 \ (0.0)$
 $olvi4^* \ 0.759 \ 0.75 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.241 \ 0.25 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 8.24 \ 0.7 \ -23.42$
 $LAB^*TCha \ 12.8 \ 23.45 \ 271.72$

relative Inform. Technology (IT)
 $olvi3^* \ 0.006 \ 0.007 \ -0.249$
 $cmyn3^* \ 1.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.006 \ 0.007 \ -0.249$
 $cmyn3^* \ 1.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

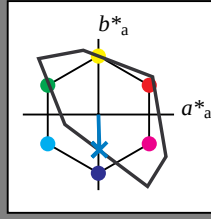
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)
 $olvi3^* = 1.0, 1.0, 1.0$
 $cmyn3^* = 0.0, 0.0, 0.0$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41, 0.0, 0.0$
 $LAB^*TCh = 99.99, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 1.0, 0.0, 0.0$
 $lab^*tch = 1.0, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 1.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.0, 0.0, -$

relative Inform. Technology (IT)
 $olvi3^* = 0.75, 0.75, 0.75$
 $cmyn3^* = 0.25, 0.25, 0.25$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 76.07, 0.0, 0.0$
 $LAB^*TCh = 75.0, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.75, 0.0, 0.0$
 $lab^*tch = 0.75, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.75, 0.0, 0.0$
 $lab^*tce = 0.25, 0.0, -$
 $lab^*nce = 0.25, 0.0, -$

relative Inform. Technology (IT)
 $olvi3^* = 0.5, 0.5, 0.5$
 $cmyn3^* = 0.5, 0.5, 0.5$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 56.72, 0.0, 0.0$
 $LAB^*TCh = 50.0, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.5, 0.0, 0.0$
 $lab^*tch = 0.5, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.5, 0.0, 0.0$
 $lab^*tce = 0.5, 0.0, -$
 $lab^*nce = 0.5, 0.0, -$

relative Inform. Technology (IT)
 $olvi3^* = 0.25, 0.25, 0.25$
 $cmyn3^* = 0.75, 0.75, 0.75$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 37.37, 0.0, 0.0$
 $LAB^*TCh = 25.0, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.25, 0.0, 0.0$
 $lab^*tch = 0.25, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.25, 0.0, 0.0$
 $lab^*tce = 0.25, 0.0, -$
 $lab^*nce = 0.25, 0.0, -$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.0, 0.0$
 $cmyn3^* = 1.0, 1.0, 1.0$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.03, 0.0, 0.0$
 $LAB^*TCh = 0.01, 0.0, -$

relative CIELAB lab*
 $lab^*lab = 0.0, 0.0, 0.0$
 $lab^*tch = 0.0, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.0, 0.0, -$

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
 $olvi3^* = 0.5, 0.5, 0.5$
 $cmyn3^* = 0.5, 0.5, 0.5$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 80.0, 0.0, 0.0$
 $LAB^*TCh = 80.44, 0.71, -23.73$
 $LAB^*TCh = 75.0, 23.75, 271.72$

relative CIELAB lab*
 $lab^*lab = 0.807, 0.015, -0.499$
 $lab^*tch = 0.75, 0.5, 0.755$
 $lab^*nch = 0.0, 0.5, 0.755$
 $cmyn4^* = 0.5, 0.21, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 68.57, 0.36, -11.86$
 $LAB^*TCh = 68.57, 0.36, -11.86$
 $LAB^*TCh = 75.0, 23.75, 271.72$

relative Inform. Technology (IT)
 $olvi3^* = 0.25, 0.25, 0.25$
 $cmyn3^* = 0.75, 0.75, 0.75$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 61.09, 0.72, -23.74$
 $LAB^*TCh = 50.0, 23.76, 271.74$

relative CIELAB lab*
 $lab^*lab = 0.557, 0.015, -0.499$
 $lab^*tch = 0.5, 0.5, 0.755$
 $lab^*nch = 0.0, 0.5, 0.755$
 $cmyn4^* = 0.5, 0.21, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 53.6, 1.09, -35.61$
 $LAB^*TCh = 53.6, 1.09, -35.61$
 $LAB^*TCh = 75.0, 23.76, 271.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.29, 0.5$
 $cmyn3^* = 1.0, 0.71, 0.5$
 $olvi4^* = 0.5, 0.79, 1.0$
 $cmyn4^* = 0.5, 0.21, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 41.74, 0.72, -23.74$
 $LAB^*TCh = 41.74, 0.72, -23.74$
 $LAB^*TCh = 50.0, 23.76, 271.75$

relative CIELAB lab*
 $lab^*lab = 0.307, 0.015, -0.499$
 $lab^*tch = 0.25, 0.5, 0.755$
 $lab^*nch = 0.0, 0.5, 0.755$
 $cmyn4^* = 0.5, 0.21, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 29.88, 0.36, -11.86$
 $LAB^*TCh = 29.88, 0.36, -11.86$
 $LAB^*TCh = 50.0, 23.76, 271.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.145, 0.25$
 $cmyn3^* = 1.0, 0.855, 0.75$
 $olvi4^* = 0.5, 0.79, 1.0$
 $cmyn4^* = 0.5, 0.21, 0.0, 0.75$
 standard and adapted CIELAB
 $LAB^*LAB = 25.0, 0.01, 0.0$
 $LAB^*TCh = 25.0, 0.01, 0.0$

relative CIELAB lab*
 $lab^*lab = 0.153, 0.008, -0.249$
 $lab^*tch = 0.125, 0.25, 0.755$
 $lab^*nch = 0.0, 0.25, 0.755$
 $cmyn4^* = 0.5, 0.21, 0.0, 0.75$
 standard and adapted CIELAB
 $LAB^*LAB = 18.03, 0.0, 0.0$
 $LAB^*TCh = 0.01, 0.0, -$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

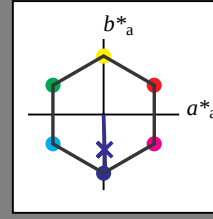
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* = 1.0, 1.0, 1.0$
 $cmyn3^* = 0.0, 0.0, 0.0$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41, 0.0, 0.0$
 $LAB^*TCh = 99.99, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 1.0, 0.0, 0.0$
 $lab^*tch = 1.0, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 1.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.0, 0.0, -$

relative Inform. Technology (IT)
 $olvi3^* = 0.75, 0.75, 0.75$
 $cmyn3^* = 0.25, 0.25, 0.25$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 76.07, 0.0, 0.0$
 $LAB^*TCh = 75.0, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.75, 0.0, 0.0$
 $lab^*tch = 0.75, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.75, 0.0, 0.0$
 $lab^*tce = 0.25, 0.0, -$
 $lab^*nce = 0.25, 0.0, -$

relative Inform. Technology (IT)
 $olvi3^* = 0.5, 0.5, 0.5$
 $cmyn3^* = 0.5, 0.5, 0.5$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 56.72, 0.0, 0.0$
 $LAB^*TCh = 50.0, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.5, 0.0, 0.0$
 $lab^*tch = 0.5, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.5, 0.0, 0.0$
 $lab^*tce = 0.5, 0.0, -$
 $lab^*nce = 0.5, 0.0, -$

relative Inform. Technology (IT)
 $olvi3^* = 0.25, 0.25, 0.25$
 $cmyn3^* = 0.75, 0.75, 0.75$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 37.37, 0.0, 0.0$
 $LAB^*TCh = 25.0, 0.01, -$

relative CIELAB lab*
 $lab^*lab = 0.25, 0.0, 0.0$
 $lab^*tch = 0.25, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.25, 0.0, 0.0$
 $lab^*tce = 0.25, 0.0, -$
 $lab^*nce = 0.25, 0.0, -$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.0, 0.0$
 $cmyn3^* = 1.0, 1.0, 1.0$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.03, 0.0, 0.0$
 $LAB^*TCh = 0.01, 0.0, -$

relative CIELAB lab*
 $lab^*lab = 0.0, 0.0, 0.0$
 $lab^*tch = 0.0, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.0, 0.0, -$

$n^* = 1,0$

relative Inform. Technology (IT)
 $olvi3^* = 0.517, 0.5, 1.0$
 $cmyn3^* = 0.483, 0.5, 0.0$
 $olvi4^* = 0.517, 0.5, 1.0$
 $cmyn4^* = 0.483, 0.5, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 70.05, 1.15, -38.02$
 $LAB^*TCh = 70.05, 1.15, -38.02$

relative CIELAB lab*
 $lab^*lab = 0.672, 0.015, -0.499$
 $lab^*tch = 0.75, 0.5, 0.755$
 $lab^*nch = 0.0, 0.5, 0.755$
 $cmyn4^* = 0.483, 0.5, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 50.7, 1.15, -38.02$
 $LAB^*TCh = 50.0, 38.05, 271.74$

relative Inform. Technology (IT)
 $olvi3^* = 0.267, 0.25, 0.75$
 $cmyn3^* = 0.733, 0.75, 0.25$
 $olvi4^* = 0.517, 0.5, 1.0$
 $cmyn4^* = 0.483, 0.5, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 50.7, 1.15, -38.02$
 $LAB^*TCh = 50.0, 38.05, 271.74$

relative CIELAB lab*
 $lab^*lab = 0.422, 0.015, -0.499$
 $lab^*tch = 0.5, 0.5, 0.755$
 $lab^*nch = 0.0, 0.5, 0.755$
 $cmyn4^* = 0.483, 0.5, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 31.36, 1.15, -38.02$
 $LAB^*TCh = 31.36, 1.15, -38.02$

relative Inform. Technology (IT)
 $olvi3^* = 0.017, 0.0, 0.5$
 $cmyn3^* = 0.983, 1.0, 0.5$
 $olvi4^* = 0.517, 0.5, 1.0$
 $cmyn4^* = 0.483, 0.5, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 31.36, 1.15, -38.02$
 $LAB^*TCh = 31.36, 1.15, -38.02$

relative CIELAB lab*
 $lab^*lab = 0.172, 0.015, -0.499$
 $lab^*tch = 0.25, 0.5, 0.755$
 $lab^*nch = 0.0, 0.5, 0.755$
 $cmyn4^* = 0.483, 0.5, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 18.03, 0.0, 0.0$
 $LAB^*TCh = 0.01, 0.0, -$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.0, 0.0$
 $cmyn3^* = 1.0, 1.0, 1.0$
 $olvi4^* = 1.0, 1.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.03, 0.0, 0.0$
 $LAB^*TCh = 0.01, 0.0, -$

relative CIELAB lab*
 $lab^*lab = 0.0, 0.0, 0.0$
 $lab^*tch = 0.0, 0.0, -$
 $lab^*nch = 0.0, 0.0, -$
 relative Natural Colour (NC)
 $lab^*trj = 0.0, 0.0, 0.0$
 $lab^*tce = 0.0, 0.0, -$
 $lab^*nce = 0.0, 0.0, -$

$n^* = 0,50$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* = 0.517, 0.5, 1.0$
 $cmyn3^* = 0.483, 0.5, 0.0$
 $olvi4^* = 0.517, 0.5, 1.0$
 $cmyn4^* = 0.483, 0.5, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 70.05, 1.15, -38.02$
 $LAB^*TCh = 70.05, 1.15, -38.02$

relative CIELAB lab*
 $lab^*lab = 0.672, 0.015, -0.499$
 $lab^*tch = 0.75, 0.5, 0.755$
 $lab^*nch = 0.0, 0.5, 0.755$
 $cmyn4^* = 0.483, 0.5, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 50.7, 1.15, -38.02$
 $LAB^*TCh = 50.0, 38.05, 271.74$

relative Inform. Technology (IT)
 $olvi3^* = 0.267, 0.25, 0.75$
 $cmyn3^* = 0.733, 0.75, 0.25$
 $olvi4^* = 0.517, 0.5, 1.0$
 $cmyn4^* = 0.483, 0.5, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 50.7, 1.15, -38.02$
 $LAB^*TCh = 50.0, 38.05, 271.74$

relative CIELAB lab*
 $lab^*lab = 0.422, 0.015, -0.499$
 $lab^*tch = 0.5, 0.5, 0.755$
 $lab^*nch = 0.0, 0.5, 0.755$
 $cmyn4^* = 0.483, 0.5, 0.0, 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 31.36, 1.15, -38.02$
 $LAB^*TCh = 31.36, 1.15, -38.02$

relative Inform. Technology (IT)
 $olvi3^* = 0.017, 0.0, 0.5$
 $cmyn3^* = 0.983, 1.0, 0.5$
 $olvi4^* = 0.517, 0.5, 1.0$
 $cmyn4^* = 0.483, 0.5, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 31.36, 1.15, -38.02$
 $LAB^*TCh = 31.36, 1.15, -38.02$

relative CIELAB lab*
 $lab^*lab = 0.172, 0.015, -0.499$
 $lab^*tch = 0.25, 0.5, 0.755$
 $lab^*nch = 0.0, 0.5, 0.755$
 $cmyn4^* = 0.483, 0.5, 0.0, 0.5$

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

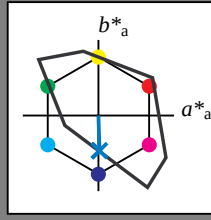
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	76.07	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	56.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	37.37	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	18.03	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olvi3*	0.5	0.75	1.0	(1.0)
cmyn3*	0.5	0.21	0.0	(0.0)
olvi4*	0.5	0.75	1.0	(0.0)
cmyn4*	0.5	0.21	0.0	0.5

standard and adapted CIELAB

LAB*LAB	80.44	0.71	-23.73
LAB*LABa	80.44	0.71	-23.73
LAB*LABb	80.44	0.71	-23.73

relative CIELAB lab*

lab*lab	0.807	0.015	-0.499
lab*tch	0.75	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.807	0.015	-0.499
lab*tce	0.5	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.25	0.54	0.75	(1.0)
cmyn3*	0.75	0.46	0.25	(0.0)
olvi4*	0.5	0.79	1.0	0.75
cmyn4*	0.5	0.21	0.0	0.25

standard and adapted CIELAB

LAB*LAB	61.09	0.72	-23.74
LAB*LABa	61.09	0.72	-23.74
LAB*LABb	61.09	0.72	-23.74

relative CIELAB lab*

lab*lab	0.557	0.015	-0.499
lab*tch	0.5	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.557	0.015	-0.499
lab*tce	0.5	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.29	0.5	(1.0)
cmyn3*	1.0	0.71	0.5	(0.0)
olvi4*	0.5	0.79	1.0	0.5
cmyn4*	0.5	0.21	0.0	0.5

standard and adapted CIELAB

LAB*LAB	41.74	0.72	-23.74
LAB*LABa	41.74	0.72	-23.74
LAB*LABb	41.74	0.72	-23.74

relative CIELAB lab*

lab*lab	0.307	0.015	-0.499
lab*tch	0.25	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.307	0.015	-0.499
lab*tce	0.25	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.145	0.25	(1.0)
cmyn3*	1.0	0.855	0.75	(0.0)
olvi4*	0.75	0.895	1.0	0.25
cmyn4*	0.25	0.105	0.0	0.75

standard and adapted CIELAB

LAB*LAB	29.88	0.36	-11.86
LAB*LABa	29.88	0.36	-11.86
LAB*LABb	29.88	0.36	-11.86

relative CIELAB lab*

lab*lab	0.153	0.008	-0.249
lab*tch	0.125	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.153	0.008	-0.249
lab*tce	0.125	0.25	0.755
lab*nce	0.0	0.25	0.755

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

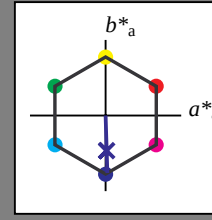
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	76.07	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	56.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	37.37	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	18.03	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	0.0	0.0	-

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

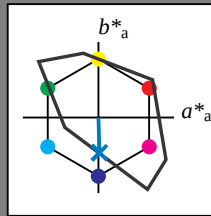
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*LABb	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*LABb	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*LABb	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.75	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*LABb	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)				
olvi3*	0.5	0.79	1.0	(1.0)
cmyn3*	0.5	0.21	0.0	(0.0)
olvi4*	0.5	0.79	1.0	(1.0)
cmyn4*	0.5	0.21	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	80.0	0.71	-23.73	
LAB*LABa	80.44	0.71	-23.73	
LAB*LABb	75.0	0.23	27.17	
relative CIELAB lab*				
lab*lab	0.807	0.015	-0.499	
lab*tch	0.75	0.5	0.755	
lab*nch	0.0	0.5	0.755	
relative Natural Colour (NC)				
lab*trj	0.807	0.0	0.499	
lab*tce	0.5	0.5	0.755	
lab*nce	0.0	0.5	0.755	

relative Inform. Technology (IT)				
olvi3*	0.25	0.54	0.75	(1.0)
cmyn3*	0.75	0.46	0.25	(0.0)
olvi4*	0.5	0.79	1.0	(1.0)
cmyn4*	0.5	0.21	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	61.09	0.72	-23.74	
LAB*LABa	61.09	0.72	-23.74	
LAB*LABb	50.0	0.23	27.17	
relative CIELAB lab*				
lab*lab	0.557	0.015	-0.499	
lab*tch	0.5	0.5	0.755	
lab*nch	0.0	0.5	0.755	
relative Natural Colour (NC)				
lab*trj	0.557	0.0	0.499	
lab*tce	0.5	0.5	0.755	
lab*nce	0.0	0.5	0.755	

relative Inform. Technology (IT)				
olvi3*	0.0	0.29	0.5	(1.0)
cmyn3*	1.0	0.71	0.5	(0.0)
olvi4*	0.5	0.79	1.0	(1.0)
cmyn4*	0.5	0.21	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	41.74	0.72	-23.74	
LAB*LABa	41.74	0.72	-23.74	
LAB*LABb	25.01	0.23	27.17	
relative CIELAB lab*				
lab*lab	0.403	0.015	-0.499	
lab*tch	0.25	0.5	0.755	
lab*nch	0.0	0.5	0.755	
relative Natural Colour (NC)				
lab*trj	0.403	0.0	0.499	
lab*tce	0.25	0.5	0.755	
lab*nce	0.0	0.5	0.755	

$n^* = 0,50$

relative Inform. Technology (IT)				
olvi3*	0.0	0.145	0.25	(1.0)
cmyn3*	1.0	0.855	0.75	(0.0)
olvi4*	0.75	0.895	1.0	(1.0)
cmyn4*	0.25	0.105	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	29.88	0.36	-11.86	
LAB*LABa	29.88	0.36	-11.86	
LAB*LABb	12.5	1.88	27.17	
relative CIELAB lab*				
lab*lab	0.153	0.008	-0.249	
lab*tch	0.125	0.25	0.755	
lab*nch	0.75	0.25	0.755	
relative Natural Colour (NC)				
lab*trj	0.153	0.0	0.249	
lab*tce	0.125	0.25	0.755	
lab*nce	0.75	0.25	0.755	

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

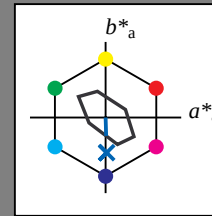
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	
LAB*LABa	88.98	0.0	0.0	
LAB*LABb	75.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	82.56	0.0	0.0	
LAB*LABa	82.56	0.0	0.0	
LAB*TCha	50.0	0.0	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	0.0	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nCe	0.5	0.0	-	

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

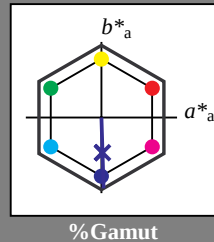
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

0,75

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

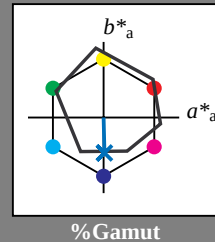
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

0,75

chromaticness c^*

$n^* = 1,0$

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

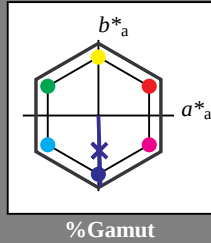
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

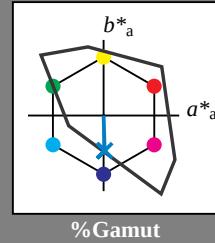
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

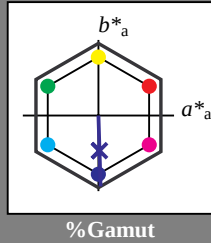
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 95.41 0.0 0.0
 LAB^*TCh 99.99 0.02 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 71.57 0.0 0.0
 LAB^*TCh 75.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 47.72 0.0 0.0
 LAB^*TCh 50.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 0.0
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 23.87 0.0 0.0
 LAB^*TCh 25.0 0.02 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.03 0.0 0.0
 LAB^*TCh 0.01 0.02 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 -

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
 $olvi3^*$ 0.517 0.5 1.0 (1.0)
 $cmyn3^*$ 0.483 0.5 0.0 (0.0)
 $olvi4^*$ 0.517 0.5 1.0 (1.0)
 $cmyn4^*$ 0.483 0.5 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 64.31 0.42 -46.86
 LAB^*TCh 75.0 46.89 271.74

relative CIELAB lab*
 lab^*lab 0.672 0.015 -0.499
 lab^*tch 0.75 0.5 0.755
 lab^*nch 0.0 0.5 0.755
 relative Natural Colour (NC)
 lab^*trj 0.509 0.0 -0.499
 lab^*tce 0.5 0.5 0.755
 lab^*nce 0.0 0.5 0.755

relative Inform. Technology (IT)
 $olvi3^*$ 0.267 0.25 0.75 (1.0)
 $cmyn3^*$ 0.733 0.75 0.25 (0.0)
 $olvi4^*$ 0.517 0.5 1.0 (1.0)
 $cmyn4^*$ 0.483 0.5 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 40.31 1.42 -46.87
 LAB^*TCh 50.0 46.9 271.74

relative CIELAB lab*
 lab^*lab 0.422 0.015 -0.499
 lab^*tch 0.75 0.5 0.755
 lab^*nch 0.0 0.5 0.755
 relative Natural Colour (NC)
 lab^*trj 0.422 0.0 -0.499
 lab^*tce 0.5 0.5 0.755
 lab^*nce 0.25 0.5 0.755

relative Inform. Technology (IT)
 $olvi3^*$ 0.017 0.0 0.5 (1.0)
 $cmyn3^*$ 0.983 1.0 0.5 (0.0)
 $olvi4^*$ 0.517 0.5 1.0 (1.0)
 $cmyn4^*$ 0.483 0.5 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 16.46 1.41 -46.86
 LAB^*TCh 25.01 46.9 271.73

relative CIELAB lab*
 lab^*lab 0.172 0.015 -0.499
 lab^*tch 0.25 0.5 0.755
 lab^*nch 0.0 0.5 0.755
 relative Natural Colour (NC)
 lab^*trj 0.172 0.0 -0.499
 lab^*tce 0.25 0.5 0.755
 lab^*nce 0.5 0.5 0.755

$n^* = 0,50$

relative Inform. Technology (IT)
 $olvi3^*$ 0.009 0.0 0.25 (1.0)
 $cmyn3^*$ 0.991 1.0 0.75 (0.0)
 $olvi4^*$ 0.759 0.75 1.0 (0.5)
 $cmyn4^*$ 0.241 0.25 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 8.24 0.7 -23.42
 LAB^*TCh 12.5 23.45 271.72

$n^* = 0,25$

relative Inform. Technology (IT)
 $olvi3^*$ 0.009 0.0 0.25 (1.0)
 $cmyn3^*$ 0.991 1.0 0.75 (0.0)
 $olvi4^*$ 0.759 0.75 1.0 (0.5)
 $cmyn4^*$ 0.241 0.25 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 8.24 0.7 -23.42
 LAB^*TCh 12.5 23.45 271.72

$n^* = 0,00$

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 0.03 0.0 0.0
 LAB^*TCh 0.01 0.02 -

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

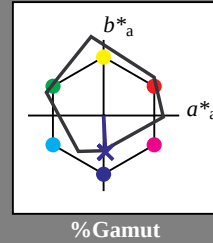
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 96.31 0.11 2.58
 LAB^*TCh 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 1.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $cmyn3^*$ 0.25 0.25 0.25 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 76.38 0.44 2.45
 LAB^*TCh 75.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.75 0.0 0.0
 lab^*tch 0.75 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 46.44 0.76 2.32
 LAB^*TCh 50.0 93.79 271.73

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 0.0
 lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $cmyn3^*$ 0.75 0.75 0.75 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 25.0 1.09 2.19
 LAB^*TCh 25.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*tch 0.25 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 16.57 -1.41 2.06
 LAB^*TCh 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 -

$n^* = 1,0$

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 (1.0)
 $cmyn4^*$ 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 16.57 -1.41 2.06
 LAB^*TCh 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 0.0 0.0 -
 relative Natural Colour (NC)
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 -

$n^* = 1,0$

chromaticness c^*

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
 $olvi3^*$ 0.76 0.75 1.0 (1.0)
 $cmyn3^*$ 0.24 0.25 0.0 (0.0)
 $olvi4^*$ 0.76 0.75 1.0 (1.0)
 $cmyn4^*$ 0.24 0.25 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 80.86 0.25 -8.68
 LAB^*TCh 87.5 11.19 273.06

relative CIELAB lab*
 lab^*lab 0.806 0.013 -0.249
 lab^*tch 0.875 0.25 0.759
 lab^*nch 0.0 0.25 0.759
 relative Natural Colour (NC)
 lab^*trj 0.806 0.0 -0.249
 lab^*tce 0.875 0.25 0.759
 lab^*nce 0.0 0.25 0.759

relative Inform. Technology (IT)
 $olvi3^*$ 0.51 0.5 0.75 (1.0)
 $cmyn3^*$ 0.49 0.5 0.25 (0.0)
 $olvi4^*$ 0.76 0.75 1.0 (1.0)
 $cmyn4^*$ 0.24 0.25 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 60.25 -0.09 -8.81
 LAB^*TCh 62.5 11.2 273.06

relative CIELAB lab*
 lab^*lab 0.556 0.013 -0.249
 lab^*tch 0.625 0.25 0.759
 lab^*nch 0.0 0.25 0.759
 relative Natural Colour (NC)
 lab^*trj 0.556 0.0 -0.249
 lab^*tce 0.625 0.25 0.759
 lab^*nce 0.25 0.25 0.759

relative Inform. Technology (IT)
 $olvi3^*$ 0.271 0.25 0.75 (1.0)
 $cmyn3^*$ 0.729 0.75 0.25 (0.0)
 $olvi4^*$ 0.521 0.5 1.0 (0.5)
 $cmyn4^*$ 0.479 0.5 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 45.48 0.25 -30.09
 LAB^*TCh 50.0 22.39 273.06

relative CIELAB lab*
 lab^*lab 0.363 0.027 -0.498
 lab^*tch 0.75 0.5 0.759
 lab^*nch 0.0 0.5 0.759
 relative Natural Colour (NC)
 lab^*trj 0.363 0.0 -0.498
 lab^*tce 0.75 0.5 0.759
 lab^*nce 0.25 0.5 0.759

relative Inform. Technology (IT)
 $olvi3^*$ 0.031 0.0 0.75 (1.0)
 $cmyn3^*$ 0.969 1.0 0.25 (0.0)
 $olvi4^*$ 0.281 0.25 1.0 (0.5)
 $cmyn4^*$ 0.719 0.75 0.0 (0.0)
 standard and adapted CIELAB
 LAB^*LAB 30.03 0.59 -31.37
 LAB^*TCh 30.03 1.79 -33.53

relative CIELAB lab*
 lab^*lab 0.113 0.027 -0.498
 lab^*tch 0.25 0.5 0.759
 lab^*nch 0.0 0.5 0.

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

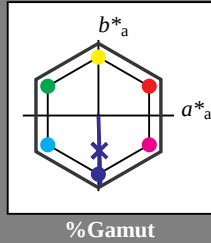
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCBa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCBa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCBa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCBa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

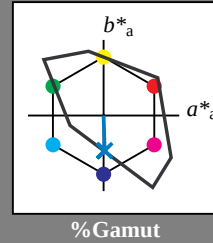
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCBa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.57 0.0 0.0
LAB*LABa 48.57 0.0 0.0
LAB*TCBa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCBa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCBa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCBa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.57 0.0 0.0
LAB*LABa 48.57 0.0 0.0
LAB*TCBa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCBa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCBa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

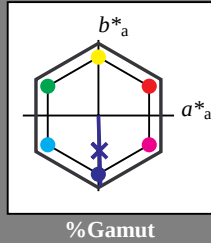
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

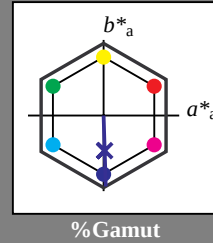
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)
 $olvi3^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn3^* \ 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.0$
standard and adapted CIELAB
 $LAB^*LAB \ 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha \ 99.99 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 1.0 \ 0.0 \ 0.0$
 $lab^*tch \ 1.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
relative Natural Colour (NC)
 $lab^*trj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* \ 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.25$
standard and adapted CIELAB
 $LAB^*LAB \ 71.57 \ 0.0 \ 0.0$
 $LAB^*TCha \ 75.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.75 \ 0.0 \ 0.0$
 $lab^*tch \ 0.75 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
relative Natural Colour (NC)
 $lab^*trj \ 0.75 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* \ 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.5$
standard and adapted CIELAB
 $LAB^*LAB \ 47.72 \ 0.0 \ 0.0$
 $LAB^*TCha \ 50.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.5 \ 0.0 \ 0.0$
 $lab^*tch \ 0.5 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
relative Natural Colour (NC)
 $lab^*trj \ 0.5 \ 0.0 \ 0.0$
 $lab^*tce \ 0.5 \ 0.0 \ -$
 $lab^*nce \ 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* \ 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.25$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 0.75$
standard and adapted CIELAB
 $LAB^*LAB \ 23.87 \ 0.0 \ 0.0$
 $LAB^*TCha \ 25.0 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.25 \ 0.0 \ 0.0$
 $lab^*tch \ 0.25 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
relative Natural Colour (NC)
 $lab^*trj \ 0.25 \ 0.0 \ 0.0$
 $lab^*tce \ 0.25 \ 0.0 \ -$
 $lab^*nce \ 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* \ 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $olvi4^* \ 1.0 \ 1.0 \ 1.0 \ 0.0$
 $cmyn4^* \ 0.0 \ 0.0 \ 0.0 \ 1.0$
standard and adapted CIELAB
 $LAB^*LAB \ 0.03 \ 0.0 \ 0.0$
 $LAB^*TCha \ 0.01 \ 0.02 \ -$

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*tch \ 0.0 \ 0.0 \ -$
 $lab^*nch \ 0.0 \ 0.0 \ 0.0$
relative Natural Colour (NC)
 $lab^*trj \ 0.0 \ 0.0 \ 0.0$
 $lab^*tce \ 0.0 \ 0.0 \ -$
 $lab^*nce \ 1.0 \ 0.0 \ -$

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

blackness n^*

$n^* = 0,50$

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

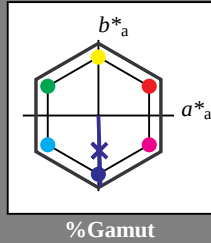
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*TCRa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*TCRa	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*TCRa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCRa	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.517	0.5	1.0	(1.0)
cmyn3*	0.483	0.5	0.0	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	64.1	1.42	-46.86
LAB*LABa	64.15	1.42	-46.86
LAB*TCRa	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.836	0.008	-0.249
lab*tch	0.875	0.25	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.836	0.0	-0.249
lab*tce	0.875	0.25	0.755
lab*nce	0.0	0.25	0.007

relative Inform. Technology (IT)

olvi3*	0.276	0.25	1.0	(1.0)
cmyn3*	0.724	0.75	0.0	(0.0)
olvi4*	0.276	0.25	1.0	(1.0)
cmyn4*	0.724	0.75	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	48.53	2.13	-70.3
LAB*LABa	48.53	2.13	-70.3
LAB*TCRa	62.5	0.02	-

relative CIELAB lab*

lab*lab	0.509	0.023	-0.749
lab*tch	0.625	0.75	0.755
lab*nch	0.0	0.75	0.755

relative Natural Colour (NC)

lab*trj	0.509	0.0	-0.749
lab*tce	0.625	0.75	0.755
lab*nce	0.0	0.75	0.007

relative Inform. Technology (IT)

olvi3*	0.267	0.25	0.75	(1.0)
cmyn3*	0.733	0.75	0.25	(0.0)
olvi4*	0.267	0.25	0.75	(1.0)
cmyn4*	0.733	0.75	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	40.31	1.42	-46.87
LAB*LABa	40.31	1.42	-46.87
LAB*TCRa	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.422	0.015	-0.499
lab*tch	0.509	0.75	0.755
lab*nch	0.0	0.75	0.755

relative Natural Colour (NC)

lab*trj	0.422	0.0	-0.499
lab*tce	0.509	0.75	0.755
lab*nce	0.0	0.75	0.007

relative Inform. Technology (IT)

olvi3*	0.017	0.0	0.5	(1.0)
cmyn3*	0.983	1.0	0.5	(0.0)
olvi4*	0.017	0.0	0.5	(1.0)
cmyn4*	0.983	1.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	16.46	1.41	-46.86
LAB*LABa	16.46	1.41	-46.86
LAB*TCRa	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.172	0.015	-0.499
lab*tch	0.25	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.172	0.0	-0.499
lab*tce	0.25	0.5	0.755
lab*nce	0.0	0.5	0.007

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.009	0.0	0.25	(1.0)
cmyn3*	0.991	1.0	0.75	(0.0)
olvi4*	0.009	0.0	0.25	(1.0)
cmyn4*	0.991	1.0	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	8.24	0.71	-23.42
LAB*LABa	8.24	0.71	-23.42
LAB*TCRa	12.5	0.02	-

relative CIELAB lab*

lab*lab	0.086	0.007	-0.249
lab*tch	0.125	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.086	0.0	-0.249
lab*tce	0.125	0.25	0.755
lab*nce	0.0	0.25	0.007

$n^* = 0,25$

relative Inform. Technology (IT)

olvi3*	0.009	0.0	0.25	(1.0)
cmyn3*	0.991	1.0	0.75	(0.0)
olvi4*	0.009	0.0	0.25	(1.0)
cmyn4*	0.991	1.0	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	8.24	0.71	-23.42
LAB*LABa	8.24	0.71	-23.42
LAB*TCRa	12.5	0.02	-

relative CIELAB lab*

lab*lab	0.086	0.007	-0.249
lab*tch	0.125	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.086	0.0	-0.249
lab*tce	0.125	0.25	0.755
lab*nce	0.0	0.25	0.007

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

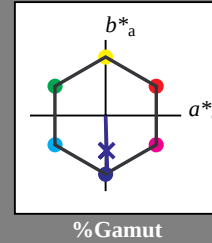
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

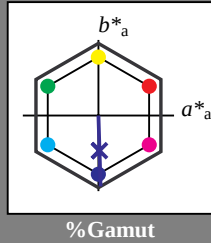
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.02 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCBa 75.0 0.02 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCBa 50.0 0.02 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCBa 25.0 0.02 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCBa 0.01 0.02 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1,0$

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
olvi3* 0.517 0.5 1.0 (1.0)
cmyn3* 0.483 0.5 0.0 (0.0)
olvi4* 0.517 0.5 1.0 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 64.15 1.42 -46.86
LAB*LABa 64.15 1.42 -46.86
LAB*TCBa 75.0 46.89 271.74

relative CIELAB lab*
lab*lab 0.836 0.008 -0.249
lab*tch 0.875 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.836 0.0 -0.249
lab*tce 0.875 0.25 0.755
lab*nce 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.276 0.25 1.0 (1.0)
cmyn3* 0.724 0.75 0.0 (0.0)
olvi4* 0.276 0.25 1.0 (1.0)
cmyn4* 0.724 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.53 2.13 -70.3
LAB*LABa 48.53 2.13 -70.3
LAB*TCBa 62.5 70.34 271.74

relative CIELAB lab*
lab*lab 0.509 0.023 -0.749
lab*tch 0.625 0.25 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*trj 0.509 0.0 -0.749
lab*tce 0.625 0.25 0.755
lab*nce 0.0 0.75 0.755

relative Inform. Technology (IT)
olvi3* 0.267 0.25 0.75 (1.0)
cmyn3* 0.733 0.75 0.25 (0.0)
olvi4* 0.267 0.25 0.75 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 40.31 1.42 -46.87
LAB*LABa 40.31 1.42 -46.87
LAB*TCBa 50.0 46.9 271.74

relative CIELAB lab*
lab*lab 0.422 0.015 -0.499
lab*tch 0.509 0.0 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.422 0.0 -0.499
lab*tce 0.509 0.0 0.755
lab*nce 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.017 0.0 0.5 (1.0)
cmyn3* 0.983 1.0 0.5 (0.0)
olvi4* 0.017 0.0 0.5 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.46 1.41 -46.86
LAB*LABa 16.46 1.41 -46.86
LAB*TCBa 25.01 46.9 271.73

relative CIELAB lab*
lab*lab 0.172 0.015 -0.499
lab*tch 0.25 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.172 0.0 -0.499
lab*tce 0.25 0.5 0.755
lab*nce 0.0 0.5 0.755

$n^* = 0,50$

blackness n^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

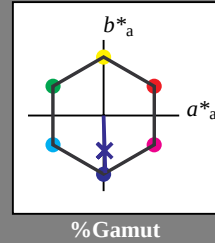
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCBa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.509 0.5 0.75 (1.0)
cmyn3* 0.491 0.5 0.25 (0.0)
olvi4* 0.509 0.5 0.75 (1.0)
cmyn4* 0.241 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.39 0.58 -19.01
LAB*LABa 66.39 0.58 -19.01
LAB*TCBa 62.5 19.03 271.74

relative CIELAB lab*
lab*lab 0.625 0.008 -0.249
lab*tch 0.625 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.625 0.0 -0.249
lab*tce 0.625 0.25 0.755
lab*nce 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.267 0.25 0.75 (1.0)
cmyn3* 0.733 0.75 0.25 (0.0)
olvi4* 0.267 0.25 0.75 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 1.15 -38.02
LAB*LABa 56.71 1.15 -38.02
LAB*TCBa 50.0 38.05 271.74

relative CIELAB lab*
lab*lab 0.5 0.015 -0.499
lab*tch 0.5 0.0 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.5 0.0 -0.499
lab*tce 0.5 0.0 0.755
lab*nce 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.017 0.0 0.5 (1.0)
cmyn3* 0.983 1.0 0.5 (0.0)
olvi4* 0.017 0.0 0.5 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 1.15 -38.02
LAB*LABa 37.36 1.15 -38.02
LAB*TCBa 25.01 38.05 271.73

relative CIELAB lab*
lab*lab 0.172 0.015 -0.499
lab*tch 0.25 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.172 0.0 -0.499
lab*tce 0.25 0.5 0.755
lab*nce 0.0 0.5 0.755

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

0,75

1,00

chromaticness c^*

0,25

0,50

Input: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

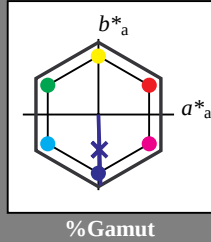
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.02 -

relative Inform. Technology (IT)
olvi3* 0.759 0.75 1.0 (1.0)
cmyn3* 0.241 0.25 0.0 (0.0)
olvi4* 0.759 0.75 1.0 (1.0)
cmyn4* 0.241 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.02 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCRa 75.0 0.02 -

relative Inform. Technology (IT)
olvi3* 0.509 0.5 0.75 (1.0)
cmyn3* 0.491 0.5 0.25 (0.0)
olvi4* 0.759 0.75 1.0 (1.0)
cmyn4* 0.241 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.93 0.71 -23.43
LAB*LABa 55.93 0.71 -23.43
LAB*TCRa 87.5 23.44 271.74

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCRa 50.0 0.02 -

relative Inform. Technology (IT)
olvi3* 0.259 0.25 0.5 (1.0)
cmyn3* 0.741 0.25 0.5 (0.0)
olvi4* 0.759 0.75 1.0 (1.0)
cmyn4* 0.241 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.08 0.71 -23.43
LAB*LABa 32.08 0.71 -23.43
LAB*TCRa 37.5 23.45 271.74

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCRa 25.0 0.02 -

relative Inform. Technology (IT)
olvi3* 0.099 0.0 0.25 (1.0)
cmyn3* 0.991 1.0 0.75 (0.0)
olvi4* 0.759 0.75 1.0 (1.0)
cmyn4* 0.241 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 8.24 0.7 -23.42
LAB*LABa 8.24 0.7 -23.42
LAB*TCRa 12.5 23.45 271.74

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCRa 0.01 0.02 -

relative Inform. Technology (IT)
olvi3* 0.096 0.007 -0.249
cmyn3* 0.125 0.25 0.755
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.75 0.25 0.755
relative Natural Colour (NC)
lab*lab 0.086 0.0 -0.249
lab*trj 0.125 0.25 0.75
lab*nce 0.75 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 0.0

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1.00

0.75

$n^* = 0.00$

0.25

blackness n^*

$n^* = 0.25$

$n^* = 0.50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

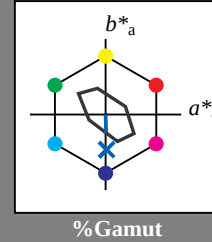
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.02 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.75 0.75 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.02 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*TCRa 75.0 0.02 -

relative Inform. Technology (IT)
olvi3* 0.276 0.25 1.0 (1.0)
cmyn3* 0.724 0.75 0.0 (0.0)
olvi4* 0.276 0.25 1.0 (1.0)
cmyn4* 0.724 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.53 2.13 -70.3
LAB*LABa 48.53 2.13 -70.3
LAB*TCRa 62.5 70.34 271.74

relative Inform. Technology (IT)
olvi3* 0.276 0.25 1.0 (1.0)
cmyn3* 0.724 0.75 0.0 (0.0)
olvi4* 0.276 0.25 1.0 (1.0)
cmyn4* 0.724 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.53 2.13 -70.3
LAB*LABa 48.53 2.13 -70.3
LAB*TCRa 62.5 70.34 271.74

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.56 0.0 0.0
LAB*LABa 82.56 0.0 0.0
LAB*TCRa 50.0 0.02 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 61.13 0.0 0.0
LAB*LABa 61.13 0.0 0.0
LAB*TCRa 25.0 0.02 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 61.13 0.0 0.0
LAB*LABa 61.13 0.0 0.0
LAB*TCRa 25.0 0.02 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.9 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCRa 0.01 0.02 -

relative Inform. Technology (IT)
olvi3* 0.096 0.007 -0.249
cmyn3* 0.125 0.25 0.755
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.75 0.25 0.755
relative Natural Colour (NC)
lab*lab 0.096 0.0 -0.249
lab*trj 0.125 0.25 0.75
lab*nce 0.75 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.9 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCRa 0.01 0.02 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.9 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCRa 0.01 0.02 -

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.02 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.75 0.75 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.02 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*TCRa 75.0 0.02 -

relative Inform. Technology (IT)
olvi3* 0.276 0.25 1.0 (1.0)
cmyn3* 0.724 0.75 0.0 (0.0)
olvi4* 0.276 0.25 1.0 (1.0)
cmyn4* 0.724 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.53 2.13 -70.3
LAB*LABa 48.53 2.13 -70.3
LAB*TCRa 62.5 70.34 271.74

relative Inform. Technology (IT)
olvi3* 0.276 0.25 1.0 (1.0)
cmyn3* 0.724 0.75 0.0 (0.0)
olvi4* 0.276 0.25 1.0 (1.0)
cmyn4* 0.724 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.53 2.13 -70.3
LAB*LABa 48.53 2.13 -70.3
LAB*TCRa 62.5 70.34 271.74

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.56 0.0 0.0
LAB*LABa 82.56 0.0 0.0
LAB*TCRa 50.0 0.02 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 61.13 0.0 0.0
LAB*LABa 61.13 0.0 0.0
LAB*TCRa 25.0 0.02 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 61.13 0.0 0.0
LAB*LABa 61.13 0.0 0.0
LAB*TCRa 25.0 0.02 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 61.13 0.0 0.0
LAB*LABa 61.13 0.0 0.0
LAB*TCRa 25.0 0.02 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 61.13 0.0 0.0
LAB*LABa 61.13 0.0 0.0
LAB*TCRa 25.0 0.02 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.9 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCRa 0.01 0.02 -

relative Inform. Technology (IT)
olvi3* 0.096 0.007 -0.249
cmyn3* 0.125 0.25 0.755
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.75 0.25 0.755
relative Natural Colour (NC)
lab*lab 0.096 0.0 -0.249
lab*trj 0.125 0.25 0.75
lab*nce 0.75 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.9 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCRa 0.01 0.02 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.9 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCRa 0.01 0.02 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.9 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCRa 0.01 0.02 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.9 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*TCRa 0.01 0.02 -

OE500-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

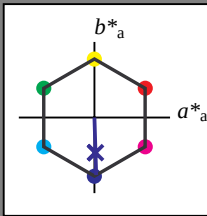
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.01 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
olvi3* 0.517 0.5 1.0 (1.0)
cmyn3* 0.483 0.5 0.0 (0.0)
olvi4* 0.517 0.5 1.0 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 70.17 0.15 -38.02
LAB*LABa 70.05 1.15 -38.02
LAB*LABb 75.0 38.04 271.74

relative CIELAB lab*
lab*lab 0.672 0.015 -0.499
lab*tch 0.75 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.509 0.0 -0.499
lab*tce 0.5 0.5 0.75
lab*nce 0.0 0.5 0.75

relative Inform. Technology (IT)
olvi3* 0.267 0.25 0.75 (1.0)
cmyn3* 0.733 0.75 0.25 (0.0)
olvi4* 0.517 0.5 1.0 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.7 1.15 -38.02
LAB*LABa 50.7 1.15 -38.02
LAB*LABb 50.0 38.05 271.74

relative CIELAB lab*
lab*lab 0.422 0.015 -0.499
lab*tch 0.625 0.75 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.422 0.0 -0.499
lab*tce 0.5 0.5 0.75
lab*nce 0.25 0.5 0.75

relative Inform. Technology (IT)
olvi3* 0.017 0.0 0.5 (1.0)
cmyn3* 0.983 1.0 0.5 (0.0)
olvi4* 0.517 0.5 1.0 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 31.36 1.15 -38.02
LAB*LABa 31.36 1.15 -38.02
LAB*LABb 25.01 38.05 271.73

relative CIELAB lab*
lab*lab 0.172 0.015 -0.499
lab*tch 0.25 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.172 0.0 -0.499
lab*tce 0.25 0.5 0.75
lab*nce 0.5 0.5 0.75

$n^* = 0,50$

relative Inform. Technology (IT)
olvi3* 0.009 0.0 0.25 (1.0)
cmyn3* 0.991 1.0 0.75 (0.0)
olvi4* 0.759 0.75 1.0 (1.0)
cmyn4* 0.241 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 24.68 0.57 -19.0
LAB*LABa 24.68 0.57 -19.0
LAB*LABb 12.5 19.02 271.72

relative CIELAB lab*
lab*lab 0.086 0.007 -0.249
lab*tch 0.125 0.25 0.755
lab*nch 0.75 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.086 0.0 -0.249
lab*tce 0.125 0.25 0.75
lab*nce 0.75 0.25 0.75

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 1.0 0.0 0.0

0,00

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

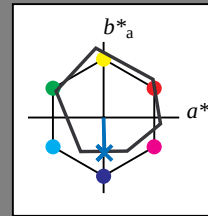
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.88 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.01 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.0 76.09 271.73

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.01 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1,0$

chromaticness c^*

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 82.0 0.27 -11.16
LAB*LABa 82.0 0.27 -11.16
LAB*LABb 75.0 22.36 271.4

relative CIELAB lab*
lab*lab 0.827 0.006 -0.249
lab*tch 0.875 0.25 0.754
lab*nch 0.0 0.25 0.754
relative Natural Colour (NC)
lab*trj 0.827 0.0 -0.249
lab*tce 0.875 0.25 0.75
lab*nce 0.0 0.25 0.75

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 68.6 0.07 -19.39
LAB*LABa 68.6 0.55 -22.34
LAB*LABb 50.0 22.36 271.4

relative CIELAB lab*
lab*lab 0.654 0.012 -0.499
lab*tch 0.75 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*trj 0.654 0.0 -0.499
lab*tce 0.75 0.5 0.75
lab*nce 0.0 0.5 0.75

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 49.25 0.45 -20.7
LAB*LABa 49.25 0.55 -22.35
LAB*LABb 50.0 22.36 271.41

relative CIELAB lab*
lab*lab 0.404 0.012 -0.499
lab*tch 0.5 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*trj 0.404 0.0 -0.499
lab*tce 0.5 0.5 0.75
lab*nce 0.25 0.5 0.75

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 29.9 0.82 -22.01
LAB*LABa 29.9 0.55 -22.34
LAB*LABb 25.01 22.36 271.42

relative CIELAB lab*
lab*lab 0.154 0.012 -0.499
lab*tch 0.25 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*trj 0.154 0.0 -0.499
lab*tce 0.25 0.5 0.75
lab*nce 0.5 0.5 0.75

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 1.0 0.0 0.0

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

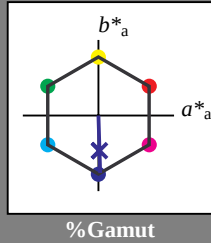
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



NRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

0,75

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

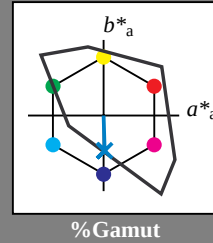
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

0,75

chromaticness c^*

$n^* = 1,0$

OE500-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

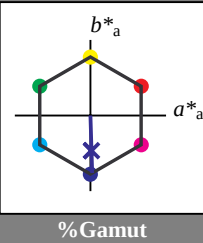
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1,0$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)
olvi3* 0.517 0.5 1.0 (1.0)
cmyn3* 0.483 0.5 0.0 (0.0)
olvi4* 0.517 0.5 1.0 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 70.17 0.15 -38.02
LAB*LABa 70.05 1.15 -38.02
LAB*TCRa 75.0 0.15 271.74

relative CIELAB lab*
lab*lab 0.672 0.015 -0.499
lab*tch 0.75 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.509 0.0 -0.499
lab*tce 0.5 0.5 0.755
lab*nce 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.267 0.25 0.75 (1.0)
cmyn3* 0.733 0.75 0.25 (0.0)
olvi4* 0.517 0.5 1.0 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.7 1.15 -38.02
LAB*LABa 50.7 1.15 -38.02
LAB*TCRa 50.0 38.05 271.74

relative CIELAB lab*
lab*lab 0.422 0.015 -0.499
lab*tch 0.625 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*trj 0.422 0.0 -0.499
lab*tce 0.5 0.5 0.755
lab*nce 0.25 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.017 0.0 0.5 (1.0)
cmyn3* 0.983 1.0 0.5 (0.0)
olvi4* 0.517 0.5 1.0 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 31.36 1.15 -38.02
LAB*LABa 31.36 1.15 -38.02
LAB*TCRa 25.01 38.05 271.73

relative CIELAB lab*
lab*lab 0.172 0.015 -0.499
lab*tch 0.25 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.172 0.0 -0.499
lab*tce 0.25 0.5 0.755
lab*nce 0.5 0.5 0.998

relative Inform. Technology (IT)
olvi3* 0.009 0.0 0.25 (1.0)
cmyn3* 0.991 1.0 0.75 (0.0)
olvi4* 0.759 0.75 1.0 (1.0)
cmyn4* 0.241 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 24.68 0.57 -19.0
LAB*LABa 24.68 0.57 -19.0
LAB*TCRa 12.5 19.02 271.72

relative CIELAB lab*
lab*lab 0.086 0.007 -0.249
lab*tch 0.125 0.25 0.755
lab*nch 0.75 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.086 0.0 -0.249
lab*tce 0.125 0.25 0.755
lab*nce 0.75 0.25 0.998

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

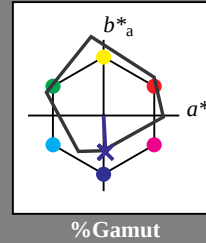
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.11 2.58
LAB*LABa 96.31 0.11 2.58
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 0.44 2.45
LAB*LABa 76.38 0.44 2.45
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.44 0.76 2.32
LAB*LABa 56.44 0.76 2.32
LAB*TCRa 50.0 76.09 271.73

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 1.09 2.19
LAB*LABa 36.5 1.09 2.19
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 1.41 2.06
LAB*LABa 16.57 1.41 2.06
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 0.76 0.75 1.0 (1.0)
cmyn3* 0.24 0.25 0.0 (0.0)
olvi4* 0.76 0.75 1.0 (1.0)
cmyn4* 0.24 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.86 0.25 -8.68
LAB*LABa 80.86 0.6 -11.17
LAB*TCRa 87.5 11.19 273.06

relative CIELAB lab*
lab*lab 0.806 0.013 -0.249
lab*tch 0.875 0.25 0.759
lab*nch 0.0 0.25 0.759
relative Natural Colour (NC)
lab*trj 0.806 0.0 -0.249
lab*tce 0.875 0.25 0.759
lab*nce 0.0 0.25 0.759

relative Inform. Technology (IT)
olvi3* 0.51 0.5 0.75 (1.0)
cmyn3* 0.49 0.5 0.25 (0.0)
olvi4* 0.76 0.75 1.0 (1.0)
cmyn4* 0.24 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 60.25 -0.09 -8.81
LAB*LABa 60.25 0.6 -11.17
LAB*TCRa 62.5 11.2 273.06

relative CIELAB lab*
lab*lab 0.516 0.013 -0.249
lab*tch 0.625 0.25 0.759
lab*nch 0.0 0.25 0.759
relative Natural Colour (NC)
lab*trj 0.516 0.0 -0.249
lab*tce 0.625 0.25 0.759
lab*nce 0.0 0.25 0.759

relative Inform. Technology (IT)
olvi3* 0.271 0.25 0.75 (1.0)
cmyn3* 0.729 0.75 0.25 (0.0)
olvi4* 0.521 0.5 1.0 (1.0)
cmyn4* 0.479 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 45.48 0.25 -30.09
LAB*LABa 45.48 1.2 -22.35
LAB*TCRa 50.0 22.39 273.06

relative CIELAB lab*
lab*lab 0.363 0.027 -0.498
lab*tch 0.625 0.75 0.759
lab*nch 0.0 0.75 0.759
relative Natural Colour (NC)
lab*trj 0.363 0.0 -0.498
lab*tce 0.625 0.75 0.759
lab*nce 0.0 0.75 0.759

relative Inform. Technology (IT)
olvi3* 0.021 0.0 0.5 (1.0)
cmyn3* 0.979 1.0 0.5 (0.0)
olvi4* 0.521 0.5 1.0 (1.0)
cmyn4* 0.479 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.54 0.08 -20.22
LAB*LABa 25.54 1.19 -22.35
LAB*TCRa 25.01 22.39 273.04

relative CIELAB lab*
lab*lab 0.113 0.027 -0.498
lab*tch 0.25 0.5 0.758
lab*nch 0.5 0.5 0.758
relative Natural Colour (NC)
lab*trj 0.113 0.0 -0.498
lab*tce 0.25 0.5 0.758
lab*nce 0.5 0.5 0.998

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 273/360 = 0.759 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

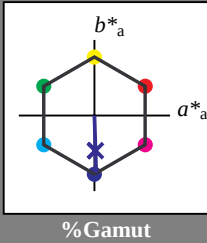
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCRa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCRa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCRa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCRa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.759	0.75	1.0	(1.0)
cmyn3*	0.241	0.25	0.0	(0.0)
olvi4*	0.759	0.75	1.0	(1.0)
cmyn4*	0.241	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.73	0.58	-19.0
LAB*LABa	82.73	0.58	-19.0
LAB*TCRa	87.5	19.02	271.74

relative CIELAB lab*

lab*lab	0.836	0.008	-0.249
lab*tch	0.875	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.836	0.0	-0.249
lab*tce	0.25	0.25	0.755
lab*nce	0.0	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.509	0.5	0.75	(1.0)
cmyn3*	0.491	0.5	0.25	(0.0)
olvi4*	0.759	0.75	1.0	(1.0)
cmyn4*	0.241	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	63.38	0.58	-19.01
LAB*LABa	63.38	0.58	-19.01
LAB*TCRa	62.5	19.03	271.74

relative CIELAB lab*

lab*lab	0.586	0.008	-0.249
lab*tch	0.625	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.586	0.0	-0.249
lab*tce	0.625	0.25	0.755
lab*nce	0.0	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.259	0.25	0.5	(1.0)
cmyn3*	0.741	0.25	0.0	(0.0)
olvi4*	0.759	0.75	1.0	(1.0)
cmyn4*	0.241	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	44.03	0.58	-19.01
LAB*LABa	44.03	0.58	-19.01
LAB*TCRa	37.5	19.03	271.74

relative CIELAB lab*

lab*lab	0.336	0.008	-0.249
lab*tch	0.375	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.336	0.0	-0.249
lab*tce	0.375	0.25	0.755
lab*nce	0.0	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.009	0.0	0.25	(1.0)
cmyn3*	0.991	1.0	0.75	(0.0)
olvi4*	0.759	0.75	1.0	(1.0)
cmyn4*	0.241	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	24.68	0.57	-19.0
LAB*LABa	24.68	0.57	-19.0
LAB*TCRa	12.5	19.02	271.72

relative CIELAB lab*

lab*lab	0.086	0.007	-0.249
lab*tch	0.125	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.086	0.0	-0.249
lab*tce	0.125	0.25	0.755
lab*nce	0.0	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

0,75

relative Inform. Technology (IT)

olvi3*	0.517	0.5	1.0	(1.0)
cmyn3*	0.483	0.5	0.0	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	70.7	1.15	-38.02
LAB*LABa	70.05	1.15	-38.02
LAB*TCRa	75.0	38.04	271.74

relative CIELAB lab*

lab*lab	0.672	0.015	-0.499
lab*tch	0.75	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.672	0.0	-0.499
lab*tce	0.75	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.267	0.25	0.75	(1.0)
cmyn3*	0.733	0.25	0.0	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	50.7	1.15	-38.02
LAB*LABa	50.7	1.15	-38.02
LAB*TCRa	50.0	38.05	271.74

relative CIELAB lab*

lab*lab	0.422	0.015	-0.499
lab*tch	0.5	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.422	0.0	-0.499
lab*tce	0.5	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.017	0.0	0.5	(1.0)
cmyn3*	0.983	1.0	0.5	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	31.36	1.15	-38.02
LAB*LABa	31.36	1.15	-38.02
LAB*TCRa	25.01	38.05	271.73

relative CIELAB lab*

lab*lab	0.172	0.015	-0.499
lab*tch	0.25	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.172	0.0	-0.499
lab*tce	0.25	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCRa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

LAB hue 272/360 = 0

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

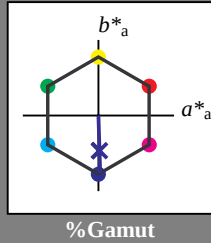
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	76.07	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	56.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	37.37	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	18.03	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.759	0.75	1.0	(1.0)
cmyn3*	0.241	0.25	0.0	(0.0)
olvi4*	0.759	0.75	1.0	(1.0)
cmyn4*	0.241	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.73	0.58	-19.0
LAB*LABa	82.73	0.58	-19.0
LAB*LABb	87.5	19.02	271.74

relative CIELAB lab*

lab*lab	0.836	0.008	-0.249
lab*tch	0.875	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.836	0.0	-0.249
lab*tce	0.875	0.25	0.755
lab*nce	0.0	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.509	0.5	0.75	(1.0)
cmyn3*	0.491	0.5	0.25	(0.0)
olvi4*	0.759	0.75	1.0	(1.0)
cmyn4*	0.241	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	63.38	0.58	-19.01
LAB*LABa	63.38	0.58	-19.01
LAB*LABb	62.5	19.03	271.74

relative CIELAB lab*

lab*lab	0.586	0.008	-0.249
lab*tch	0.625	0.25	0.755
lab*nch	0.25	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.586	0.0	-0.249
lab*tce	0.625	0.25	0.755
lab*nce	0.25	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.259	0.25	0.5	(1.0)
cmyn3*	0.741	0.25	0.5	(0.0)
olvi4*	0.759	0.75	1.0	(1.0)
cmyn4*	0.241	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	44.03	0.58	-19.01
LAB*LABa	44.03	0.58	-19.01
LAB*LABb	37.5	19.03	271.74

relative CIELAB lab*

lab*lab	0.336	0.008	-0.249
lab*tch	0.375	0.25	0.755
lab*nch	0.25	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.336	0.0	-0.249
lab*tce	0.375	0.25	0.755
lab*nce	0.25	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.009	0.0	0.25	(1.0)
cmyn3*	0.991	1.0	0.75	(0.0)
olvi4*	0.759	0.75	1.0	(1.0)
cmyn4*	0.241	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	24.68	0.57	-19.0
LAB*LABa	24.68	0.57	-19.0
LAB*LABb	12.5	19.02	271.72

relative CIELAB lab*

lab*lab	0.086	0.007	-0.249
lab*tch	0.125	0.25	0.755
lab*nch	0.25	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.086	0.0	-0.249
lab*tce	0.125	0.25	0.755
lab*nce	0.25	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.517	0.5	1.0	(1.0)
cmyn3*	0.483	0.5	0.0	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	70.1	1.15	-38.02
LAB*LABa	70.05	1.15	-38.02
LAB*LABb	75.0	38.04	271.74

relative CIELAB lab*

lab*lab	0.672	0.015	-0.499
lab*tch	0.75	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.509	0.0	-0.499
lab*tce	0.75	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.267	0.25	0.75	(1.0)
cmyn3*	0.733	0.25	0.25	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	50.7	1.15	-38.02
LAB*LABa	50.7	1.15	-38.02
LAB*LABb	50.0	38.05	271.74

relative CIELAB lab*

lab*lab	0.422	0.015	-0.499
lab*tch	0.5	0.5	0.755
lab*nch	0.25	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.422	0.0	-0.499
lab*tce	0.5	0.5	0.755
lab*nce	0.25	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.017	0.0	0.5	(1.0)
cmyn3*	0.983	1.0	0.5	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	31.36	1.15	-38.02
LAB*LABa	31.36	1.15	-38.02
LAB*LABb	25.01	38.05	271.73

relative CIELAB lab*

lab*lab	0.172	0.015	-0.499
lab*tch	0.25	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.172	0.0	-0.499
lab*tce	0.25	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.276	0.25	1.0	(1.0)
cmyn3*	0.724	0.25	0.0	(0.0)
olvi4*	0.276	0.25	1.0	(1.0)
cmyn4*	0.724	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	57.37	1.73	-57.03
LAB*LABa	57.37	1.73	-57.03
LAB*LABb	62.5	57.07	271.74

relative CIELAB lab*

lab*lab	0.509	0.023	-0.749
lab*tch	0.625	0.75	0.755
lab*nch	0.0	0.75	0.755

relative Natural Colour (NC)

lab*trj	0.509	0.0	-0.749
lab*tce	0.625	0.75	0.755
lab*nce	0.0	0.75	0.755

relative Inform. Technology (IT)

olvi3*	0.034	0.0	1.0	(1.0)
cmyn3*	0.966	1.0	0.0	(0.0)
olvi4*	0.034	0.0	1.0	(1.0)
cmyn4*	0.966	1.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	44.7	2.3	-76.05
LAB*LABa	44.7	2.3	-76.05
LAB*LABb	50.0	76.09	271.73

relative CIELAB lab*

lab*lab	0.345	0.03	-0.998
lab*tch	0.5	1.0	0.755
lab*nch	0.0	1.0	0.755

relative Natural Colour (NC)

lab*trj	0.345	0.0	-0.998
lab*tce	0.5	1.0	0.755
lab*nce	0.0	1.0	0.755

relative Inform. Technology (IT)

olvi3*	0.026	0.0	0.75	(1.0)
cmyn3*	0.974	1.0	0.25	(0.0)
olvi4*	0.276	0.25	1.0	(1.0)
cmyn4*	0.724	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	38.03	1
---------	-------	---

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

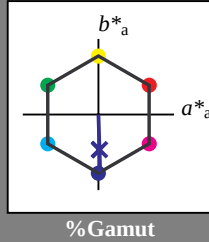
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 0.759 0.75 1.0 (1.0)
cmyn3* 0.241 0.25 0.0 (0.0)
olvi4* 0.759 0.75 1.0 (1.0)
cmyn4* 0.241 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.73 0.58 -19.0
LAB*LABa 82.73 0.58 -19.0
LAB*TCRa 87.5 19.02 271.74

relative CIELAB lab*
lab*lab 0.836 0.008 -0.249
lab*tch 0.875 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.836 0.0 -0.249
lab*tce 0.836 0.25 0.755
lab*nce 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.509 0.5 0.75 (1.0)
cmyn3* 0.491 0.5 0.25 (0.0)
olvi4* 0.759 0.75 1.0 (1.0)
cmyn4* 0.241 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.38 0.58 -19.01
LAB*LABa 63.38 0.58 -19.01
LAB*TCRa 62.5 19.03 271.74

relative CIELAB lab*
lab*lab 0.586 0.008 -0.249
lab*tch 0.625 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.586 0.0 -0.249
lab*tce 0.625 0.25 0.755
lab*nce 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.259 0.25 0.5 (1.0)
cmyn3* 0.741 0.25 0.5 (0.0)
olvi4* 0.759 0.75 1.0 (1.0)
cmyn4* 0.241 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 44.03 0.58 -19.01
LAB*LABa 44.03 0.58 -19.01
LAB*TCRa 37.5 19.03 271.74

relative CIELAB lab*
lab*lab 0.336 0.008 -0.249
lab*tch 0.375 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.336 0.0 -0.249
lab*tce 0.375 0.25 0.755
lab*nce 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.009 0.0 0.25 (1.0)
cmyn3* 0.991 1.0 0.75 (0.0)
olvi4* 0.759 0.75 1.0 (1.0)
cmyn4* 0.241 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 24.68 0.57 -19.0
LAB*LABa 24.68 0.57 -19.0
LAB*TCRa 12.5 19.02 271.72

relative CIELAB lab*
lab*lab 0.086 0.007 -0.249
lab*tch 0.125 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.086 0.0 -0.249
lab*tce 0.125 0.25 0.755
lab*nce 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 0,25$

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 0,00$

NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

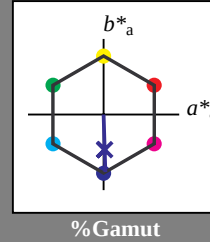
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.759 0.75 1.0 (1.0)
cmyn3* 0.241 0.25 0.0 (0.0)
olvi4* 0.759 0.75 1.0 (1.0)
cmyn4* 0.241 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 85.73 0.58 -19.0
LAB*LABa 85.73 0.58 -19.0
LAB*TCRa 87.5 19.02 271.74

relative CIELAB lab*
lab*lab 0.875 0.008 -0.249
lab*tch 0.875 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.875 0.0 -0.249
lab*tce 0.875 0.25 0.755
lab*nce 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.509 0.5 0.75 (1.0)
cmyn3* 0.491 0.5 0.25 (0.0)
olvi4* 0.759 0.75 1.0 (1.0)
cmyn4* 0.241 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 0.58 -19.01
LAB*LABa 66.38 0.58 -19.01
LAB*TCRa 62.5 19.03 271.74

relative CIELAB lab*
lab*lab 0.625 0.008 -0.249
lab*tch 0.625 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.625 0.0 -0.249
lab*tce 0.625 0.25 0.755
lab*nce 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.259 0.25 0.5 (1.0)
cmyn3* 0.741 0.25 0.5 (0.0)
olvi4* 0.759 0.75 1.0 (1.0)
cmyn4* 0.241 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.04 0.58 -19.01
LAB*LABa 47.04 0.58 -19.01
LAB*TCRa 37.5 19.03 271.74

relative CIELAB lab*
lab*lab 0.375 0.008 -0.249
lab*tch 0.375 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.375 0.0 -0.249
lab*tce 0.375 0.25 0.755
lab*nce 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.009 0.0 0.25 (1.0)
cmyn3* 0.991 1.0 0.75 (0.0)
olvi4* 0.759 0.75 1.0 (1.0)
cmyn4* 0.241 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.69 0.57 -19.0
LAB*LABa 27.69 0.57 -19.0
LAB*TCRa 12.5 19.02 271.72

relative CIELAB lab*
lab*lab 0.125 0.007 -0.249
lab*tch 0.125 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.125 0.0 -0.249
lab*tce 0.125 0.25 0.755
lab*nce 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 0,50$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

chromaticness c^*

Input: Colorimetric Natural Reflective System NRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

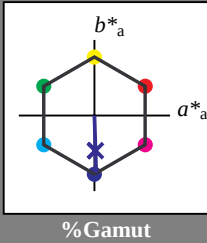
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 45 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



NRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	43.81	67.03	38.7	77.4	30
Y _{Ma}	69.61	0.0	77.4	77.4	90
L _{Ma}	43.81	-67.02	38.7	77.4	150
C _{Ma}	69.61	-67.02	-38.69	77.4	210
V _{Ma}	43.81	0.0	-77.39	77.4	270
M _{Ma}	69.61	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

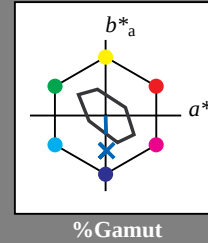
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness t^*



$u^*_{rel} = 16$

1,00

0,75

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

chromaticness c^*

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

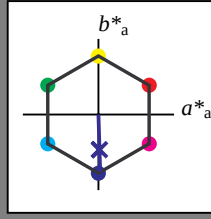
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.517 0.5 1.0 (1.0)
cmyn3* 0.483 0.5 0.0 (0.0)
olvi4* 0.517 0.5 1.0 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.11 0.15 -38.02
LAB*LABa 76.06 1.15 -38.02
LAB*LABb 75.0 38.04 271.74

relative CIELAB lab*
lab*lab 0.75 0.015 -0.499
lab*tch 0.75 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.75 0.015 -0.499
lab*tce 0.75 0.5 0.755
lab*nce 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.267 0.25 0.75 (1.0)
cmyn3* 0.733 0.75 0.25 (0.0)
olvi4* 0.517 0.5 1.0 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 1.15 -38.02
LAB*LABa 56.71 1.15 -38.02
LAB*LABb 50.0 38.05 271.74

relative CIELAB lab*
lab*lab 0.625 0.008 -0.249
lab*tch 0.625 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.625 0.008 -0.249
lab*tce 0.625 0.25 0.755
lab*nce 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.017 0.0 0.5 (1.0)
cmyn3* 0.983 1.0 0.5 (0.0)
olvi4* 0.517 0.5 1.0 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 1.15 -38.02
LAB*LABa 37.36 1.15 -38.02
LAB*LABb 25.01 38.05 271.73

relative CIELAB lab*
lab*lab 0.25 0.015 -0.499
lab*tch 0.25 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.25 0.015 -0.499
lab*tce 0.25 0.5 0.755
lab*nce 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.009 0.0 0.25 (1.0)
cmyn3* 0.991 1.0 0.25 (0.0)
olvi4* 0.517 0.5 1.0 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.125 0.007 -0.249
lab*tch 0.125 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.125 0.007 -0.249
lab*tce 0.125 0.25 0.755
lab*nce 0.0 0.25 0.755

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

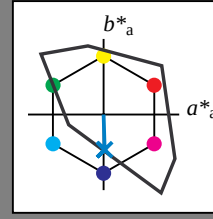
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.11 0.15 -38.02
LAB*LABa 76.06 1.15 -38.02
LAB*LABb 75.0 38.04 271.74

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 1.15 -38.02
LAB*LABa 56.71 1.15 -38.02
LAB*LABb 50.0 38.05 271.73

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1,0$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.13 0.73 -24.31
LAB*LABa 80.13 0.73 -24.31
LAB*LABb 75.0 24.33 271.72

relative CIELAB lab*
lab*lab 0.84 0.015 -0.499
lab*tch 0.84 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.84 0.015 -0.499
lab*tce 0.84 0.5 0.755
lab*nce 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.28 0.74 -24.32
LAB*LABa 56.28 0.74 -24.32
LAB*LABb 50.0 24.34 271.74

relative CIELAB lab*
lab*lab 0.59 0.015 -0.499
lab*tch 0.59 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.59 0.015 -0.499
lab*tce 0.59 0.25 0.755
lab*nce 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 0,50$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

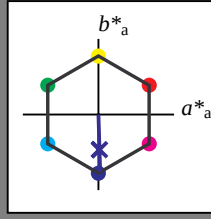
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.517	0.5	1.0	(1.0)
cmyn3*	0.483	0.5	0.0	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.71	1.15	-38.02
LAB*LABa	76.06	1.15	-38.02
LAB*TCHa	75.0	38.04	271.74

relative CIELAB lab*

lab*lab	0.75	0.015	-0.499
lab*tch	0.75	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.499
lab*tce	0.25	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.267	0.25	0.75	(1.0)
cmyn3*	0.733	0.75	0.25	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	1.15	-38.02
LAB*LABa	56.71	1.15	-38.02
LAB*TCHa	50.0	38.05	271.74

relative CIELAB lab*

lab*lab	0.625	0.008	-0.249
lab*tch	0.625	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.625	0.0	-0.249
lab*tce	0.625	0.25	0.755
lab*nce	0.0	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.259	0.25	0.5	(1.0)
cmyn3*	0.741	0.5	0.5	(0.0)
olvi4*	0.759	1.0	0.5	(1.0)
cmyn4*	0.241	0.25	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	47.04	0.58	-19.01
LAB*LABa	47.04	0.58	-19.01
LAB*TCHa	37.5	19.03	271.74

relative CIELAB lab*

lab*lab	0.375	0.008	-0.249
lab*tch	0.375	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.375	0.0	-0.249
lab*tce	0.375	0.25	0.755
lab*nce	0.0	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.009	0.0	0.25	(1.0)
cmyn3*	0.991	1.0	0.75	(0.0)
olvi4*	0.759	0.75	1.0	(1.0)
cmyn4*	0.241	0.25	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	27.69	0.57	-19.0
LAB*LABa	27.69	0.57	-19.0
LAB*TCHa	12.5	19.02	271.72

relative CIELAB lab*

lab*lab	0.125	0.007	-0.249
lab*tch	0.125	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.125	0.0	-0.249
lab*tce	0.125	0.25	0.755
lab*nce	0.0	0.25	0.755

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.017	0.0	0.5	(1.0)
cmyn3*	0.983	1.0	0.5	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	1.15	-38.02
LAB*LABa	37.36	1.15	-38.02
LAB*TCHa	25.01	38.05	271.73

relative CIELAB lab*

lab*lab	0.25	0.015	-0.499
lab*tch	0.25	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.499
lab*tce	0.25	0.5	0.755
lab*nce	0.0	0.5	0.755

$n^* = 0,25$

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System DRXXX

for hue $h^* = lab^*h = 273/360 = 0.759$

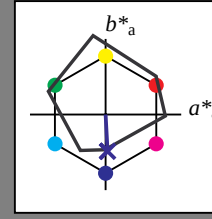
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	96.31	0.11	2.58
LAB*LABa	96.31	0.11	2.58
LAB*TCHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.38	0.44	2.45
LAB*LABa	76.38	0.44	2.45
LAB*TCHa	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.44	0.76	2.32
LAB*LABa	56.71	2.3	-76.05
LAB*TCHa	50.0	76.09	271.73

relative CIELAB lab*

lab*lab	0.5	0.03	-0.998
lab*tch	0.5	1.0	0.755
lab*nch	0.0	1.0	0.755

relative Natural Colour (NC)

lab*trj	0.5	0.0	-0.998
lab*tce	0.5	1.0	0.755
lab*nce	0.0	1.0	0.755

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	36.5	1.09	2.19
LAB*LABa	36.5	1.09	2.19
LAB*TCHa	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	16.57	1.41	2.06
LAB*LABa	16.57	1.41	2.06
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

DRXXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

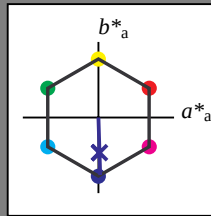
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.517	0.5	1.0	(1.0)
cmyn3*	0.483	0.5	0.0	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.1	1.15	-38.02
LAB*LABa	76.06	1.15	-38.02
LAB*LABb	75.0	38.04	271.74

relative CIELAB lab*

lab*lab	0.75	0.015	-0.499
lab*tch	0.75	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.75	0.5	0.755
lab*tce	0.25	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.267	0.25	0.75	(1.0)
cmyn3*	0.733	0.75	0.25	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	1.15	-38.02
LAB*LABa	56.71	1.15	-38.02
LAB*LABb	50.0	38.05	271.74

relative CIELAB lab*

lab*lab	0.625	0.008	-0.249
lab*tch	0.625	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.625	0.25	0.755
lab*tce	0.25	0.25	0.755
lab*nce	0.0	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.267	0.25	0.75	(1.0)
cmyn3*	0.733	0.75	0.25	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	1.15	-38.02
LAB*LABa	56.71	1.15	-38.02
LAB*LABb	50.0	38.05	271.74

relative CIELAB lab*

lab*lab	0.5	0.015	-0.499
lab*tch	0.5	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.5	0.5	0.755
lab*tce	0.25	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.017	0.0	0.5	(1.0)
cmyn3*	0.983	1.0	0.5	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	1.15	-38.02
LAB*LABa	37.36	1.15	-38.02
LAB*LABb	25.01	38.05	271.73

relative CIELAB lab*

lab*lab	0.25	0.015	-0.499
lab*tch	0.25	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.25	0.5	0.755
lab*tce	0.25	0.5	0.755
lab*nce	0.0	0.5	0.755

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

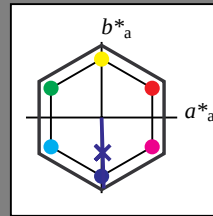
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.02	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.0	0.02	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.02	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.02	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.02	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

NLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

--

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

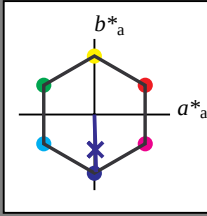
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	0.0	0.0
LAB*LABa	56.71	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.517	0.5	1.0	(1.0)
cmyn3*	0.483	0.5	0.0	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.71	1.15	-38.02
LAB*LABa	76.06	1.15	-38.02
LAB*LABb	75.0	38.04	271.74

relative CIELAB lab*

lab*lab	0.75	0.015	-0.499
lab*tch	0.75	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.75	0.0	-0.499
lab*tce	0.25	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.267	0.25	0.75	(1.0)
cmyn3*	0.733	0.75	0.25	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	1.15	-38.02
LAB*LABa	56.71	1.15	-38.02
LAB*LABb	50.0	38.05	271.74

relative CIELAB lab*

lab*lab	0.625	0.008	-0.249
lab*tch	0.625	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.625	0.0	-0.249
lab*tce	0.25	0.25	0.755
lab*nce	0.0	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.259	0.25	0.5	(1.0)
cmyn3*	0.741	0.25	0.5	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.04	0.58	-19.01
LAB*LABa	47.04	0.58	-19.01
LAB*LABb	37.5	19.03	271.74

relative CIELAB lab*

lab*lab	0.375	0.008	-0.249
lab*tch	0.375	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.375	0.0	-0.249
lab*tce	0.25	0.25	0.755
lab*nce	0.0	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.017	0.0	0.5	(1.0)
cmyn3*	0.983	1.0	0.5	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	1.15	-38.02
LAB*LABa	37.36	1.15	-38.02
LAB*LABb	25.01	38.05	271.73

relative CIELAB lab*

lab*lab	0.25	0.015	-0.499
lab*tch	0.25	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.25	0.0	-0.499
lab*tce	0.25	0.5	0.755
lab*nce	0.0	0.5	0.755

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

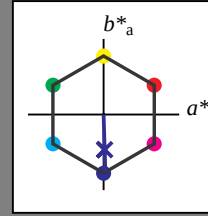
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.0	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$

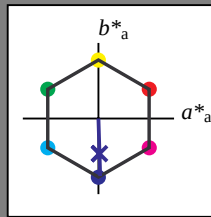
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.759	0.75	1.0	(1.0)
cmyn3*	0.241	0.25	0.0	(0.0)
olvi4*	0.759	0.75	1.0	(1.0)
cmyn4*	0.241	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	85.73	0.58	-19.0
LAB*LABa	85.73	0.58	-19.0
LAB*LABb	87.5	19.02	271.74

relative CIELAB lab*

lab*lab	0.875	0.008	-0.249
lab*tch	0.875	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.875	0.0	-0.249
lab*tce	0.25	0.25	0.755
lab*nce	0.0	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.517	0.5	1.0	(1.0)
cmyn3*	0.483	0.5	0.0	(0.0)
olvi4*	0.517	0.5	1.0	(1.0)
cmyn4*	0.483	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.71	1.15	-38.02
LAB*LABa	76.06	1.15	-38.02
LAB*LABb	75.0	38.04	271.74

relative CIELAB lab*

lab*lab	0.75	0.015	-0.499
lab*tch	0.75	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*trj	0.75	0.0	-0.499
lab*tce	0.5	0.5	0.755
lab*nce	0.0	0.5	0.755

relative Inform. Technology (IT)

olvi3*	0.276	0.25	1.0	(1.0)
cmyn3*	0.724	0.25	0.0	(0.0)
olvi4*	0.276	0.25	1.0	(1.0)
cmyn4*	0.724	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	66.38	1.73	-57.03
LAB*LABa	66.38	1.73	-57.03
LAB*LABb	62.5	57.07	271.74

relative CIELAB lab*

lab*lab	0.625	0.023	-0.749
lab*tch	0.625	0.75	0.755
lab*nch	0.0	0.75	0.755

relative Natural Colour (NC)

lab*trj	0.625	0.0	-0.749
lab*tce	0.625	0.75	0.755
lab*nce	0.0	0.75	0.755

relative Inform. Technology (IT)

olvi3*	0.276	0.25	1.0	(1.0)
cmyn3*	0.724	0.25	0.0	(0.0)
olvi4*	0.276	0.25	1.0	(1.0)
cmyn4*	0.724	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	66.38	1.73	-57.03
LAB*LABa	66.38	1.73	-57.03
LAB*LABb	62.5	57.07	271.74

relative CIELAB lab*

lab*lab	0.625	0.023	-0.749
lab*tch	0.625	0.75	0.755
lab*nch	0.0	0.75	0.755

relative Natural Colour (NC)

lab*trj	0.625	0.0	-0.749
lab*tce	0.625	0.75	0.755
lab*nce	0.0	0.75	0.755

relative Inform. Technology (IT)

olvi3*	0.034	0.0	1.0	(1.0)
cmyn3*	0.966	1.0	0.0	(0.0)
olvi4*	0.034	0.0	1.0	(1.0)
cmyn4*	0.966	1.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	2.3	-76.05
LAB*LABa	56.71	2.3	-76.05
LAB*LABb	50.0	76.09	271.73

relative CIELAB lab*

lab*lab	0.5	0.03	-0.998
lab*tch	0.5	1.0	0.755
lab*nch	0.0	1.0	0.755

relative Natural Colour (NC)

lab*trj	0.5	0.0	-0.998
lab*tce	0.5	1.0	0.755
lab*nce	0.0	1.0	0.755

relative Inform. Technology (IT)

olvi3*	0.034	0.0	1.0	(1.0)
cmyn3*	0.966	1.0	0.0	(0.0)
olvi4*	0.034	0.0	1.0	(1.0)
cmyn4*	0.966	1.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	2.3	-76.05
LAB*LABa	56.71	2.3	-76.05
LAB*LABb	50.0	76.09	271.73

relative CIELAB lab*

lab*lab	0.5	0.03	-0.998
lab*tch	0.5	1.0	0.755
lab*nch	0.0	1.0	0.755

relative Natural Colour (NC)

lab*trj	0.5	0.0	-0.998
lab*tce	0.5	1.0	0.755
lab*nce	0.0	1.0	0.755

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	76.13	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.75	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	69.7	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0

chromaticness c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

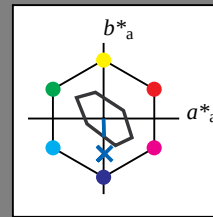
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.85	1.0	(1.0)
cmyn3*	0.25	0.15	0.0	(0.0)
olvi4*	0.75	0.85	1.0	(1.0)
cmyn4*	0.25	0.15	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	91.46	0.18	-6.05
LAB*LABa	91.46	0.18	-6.05
LAB*LABb	87.5	6.07	271.73

relative CIELAB lab*

lab*lab	0.846	0.008	-0.249
lab*tch	0.846	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.846	0.0	-0.249
lab*tce	0.25	0.25	0.755
lab*nce	0.0	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.5	0.6	0.75	(1.0)
cmyn3*	0.5	0.4	0.25	(0.0)
olvi4*	0.5	0.6	0.75	(1.0)
cmyn4*	0.5	0.4	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	85.03	0.18	-6.06
LAB*LABa	85.03	0.18	-6.06
LAB*LABb	82.5	6.07	271.74

relative CIELAB lab*

lab*lab	0.596	0.008	-0.249
lab*tch	0.596	0.25	0.755
lab*nch	0.0	0.25	0.755

relative Natural Colour (NC)

lab*trj	0.596	0.0	-0.249
lab*tce	0.596	0.25	0.755
lab*nce	0.0	0.25	0.755

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	81.08	0.37	-12.12
LAB*LABa	81.08	0.37	-12.12
LAB*LABb	80.0	12.14	271.75

relative CIELAB lab*

lab*lab	0.443	0.015	-0.499
lab*tch	0.443	0.75	0.755
lab*nch	0.0	0.75	0.755

relative Natural Colour (NC)

lab*trj	0.443	0.0	-0.499
lab*tce	0.443	0.75	0.755
lab*nce	0.0	0.75	0.755

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	81.08	0.37	-12.12
LAB*LABa	81.08	0.37	-12.12
LAB*LABb	80.0	12.14	271.75

relative CIELAB lab*

lab*lab	0.443	0.015	-0.499
lab*tch	0.443	0.75	0.755
lab*nch	0.0	0.75	0.755

relative Natural Colour (NC)

lab*trj	0.443	0.0	-0.499
lab*tce	0.443	0.75	0.755
lab*nce	0.0	0.75	0.755

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*LABb	82.56	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.5	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	81.08	0.37	-12.12
LAB*LABa	81.08	0.37	-12.12
LAB*LABb	80.0	12.14	271.75

relative CIELAB lab*

lab*lab	0.443	0.015	-0.499
lab*tch	0.443	0.75	0.755
lab*nch	0.0	0.75	0.755

relative Natural Colour (NC)

lab*trj	0.443	0.0	-0.499
lab*tce	0.443	0.75	0.755
lab*nce	0.0	0.75	0.755

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25
--------	------	------	------

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

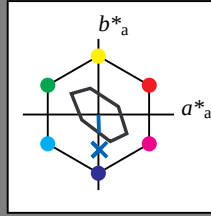
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.0 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*LABb 75.0 0.0 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.59 0.0 0.0
LAB*LABa 82.59 0.0 0.0
LAB*LABb 50.0 0.0 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.13 0.0 0.0
LAB*LABa 76.13 0.0 0.0
LAB*LABb 25.0 0.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*LABb 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 87.0 0.0 0.0
LAB*LABa 87.0 0.0 0.0
LAB*LABb 12.12 0.0 0.0

relative CIELAB lab*
lab*lab 0.693 0.015 -0.499
lab*tch 0.75 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.693 0.015 -0.499
lab*tce 0.5 0.5 0.755
lab*nce 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 81.08 0.37 -12.12
LAB*LABa 81.08 0.37 -12.12
LAB*LABb 50.0 12.14 271.73

relative CIELAB lab*
lab*lab 0.539 0.023 -0.749
lab*tch 0.625 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*trj 0.539 0.023 -0.749
lab*tce 0.625 0.75 0.755
lab*nce 0.0 0.75 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.299 0.75 (1.0)
cmyn3* 1.0 0.701 0.25 (0.0)
olvi4* 0.25 0.549 1.0 (0.0)
cmyn4* 0.75 0.451 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 79.6 0.74 -24.25
LAB*LABa 79.6 0.74 -24.25
LAB*LABb 24.27 271.74

relative CIELAB lab*
lab*lab 0.385 0.03 -0.998
lab*tch 0.5 1.0 0.755
lab*nch 0.0 1.0 0.755
relative Natural Colour (NC)
lab*trj 0.385 0.03 -0.998
lab*tce 0.5 1.0 0.755
lab*nce 0.0 1.0 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.199 0.5 (1.0)
cmyn3* 1.0 0.801 0.5 (0.0)
olvi4* 0.5 0.699 1.0 (0.0)
cmyn4* 0.5 0.301 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 74.65 0.37 -12.12
LAB*LABa 74.65 0.37 -12.12
LAB*LABb 25.01 12.14 271.75

relative CIELAB lab*
lab*lab 0.289 0.023 -0.749
lab*tch 0.375 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*trj 0.289 0.023 -0.749
lab*tce 0.375 0.75 0.755
lab*nce 0.0 0.75 0.755

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

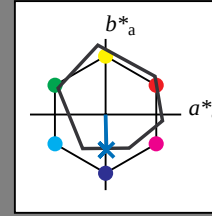
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.61 3.44
LAB*LABa 76.06 0.61 3.44
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 65.71 0.24 2.14
LAB*LABa 65.71 0.24 2.14
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.13 0.83
LAB*LABa 56.71 0.13 0.83
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.199 0.5 (1.0)
cmyn3* 1.0 0.801 0.5 (0.0)
olvi4* 0.5 0.699 1.0 (0.0)
cmyn4* 0.5 0.301 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 43.3 0.27 -11.17
LAB*LABa 43.3 0.27 -11.17
LAB*LABb 25.01 22.36 271.41

relative CIELAB lab*
lab*lab 0.154 0.012 -0.499
lab*tch 0.25 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*trj 0.154 0.012 -0.499
lab*tce 0.25 0.5 0.754
lab*nce 0.0 0.5 0.754

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 0.5 0.744 1.0 (1.0)
cmyn3* 0.5 0.256 0.0 (0.0)
olvi4* 0.5 0.744 1.0 (1.0)
cmyn4* 0.5 0.256 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 68.6 0.07 -19.39
LAB*LABa 68.6 0.07 -19.39
LAB*LABb 22.36 271.4

relative CIELAB lab*
lab*lab 0.654 0.012 -0.499
lab*tch 0.75 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*trj 0.654 0.012 -0.499
lab*tce 0.75 0.5 0.754
lab*nce 0.0 0.5 0.754

relative Inform. Technology (IT)
olvi3* 0.25 0.494 0.75 (1.0)
cmyn3* 0.75 0.506 0.25 (0.0)
olvi4* 0.5 0.744 1.0 (1.0)
cmyn4* 0.5 0.256 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.25 0.45 -20.7
LAB*LABa 49.25 0.45 -20.7
LAB*LABb 22.36 271.41

relative CIELAB lab*
lab*lab 0.48 0.018 -0.749
lab*tch 0.625 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*trj 0.48 0.018 -0.749
lab*tce 0.625 0.75 0.754
lab*nce 0.0 0.75 0.754

relative Inform. Technology (IT)
olvi3* 0.0 0.366 0.75 (1.0)
cmyn3* 1.0 0.634 0.25 (0.0)
olvi4* 0.25 0.616 1.0 (0.0)
cmyn4* 0.75 0.384 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.84 0.98 -32.78
LAB*LABa 35.84 0.98 -32.78
LAB*LABb 35.54 33.54 271.41

relative CIELAB lab*
lab*lab 0.307 0.025 -0.998
lab*tch 0.5 1.0 0.754
lab*nch 0.0 1.0 0.754
relative Natural Colour (NC)
lab*trj 0.307 0.025 -0.998
lab*tce 0.5 1.0 0.754
lab*nce 0.0 1.0 0.754

relative Inform. Technology (IT)
olvi3* 0.0 0.244 0.5 (1.0)
cmyn3* 1.0 0.756 0.5 (0.0)
olvi4* 0.5 0.744 1.0 (1.0)
cmyn4* 0.5 0.256 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 29.9 0.82 -22.01
LAB*LABa 29.9 0.82 -22.01
LAB*LABb 25.01 22.36 271.42

relative CIELAB lab*
lab*lab 0.154 0.012 -0.499
lab*tch 0.25 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*trj 0.154 0.012 -0.499
lab*tce 0.25 0.5 0.754
lab*nce 0.0 0.5 0.754

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

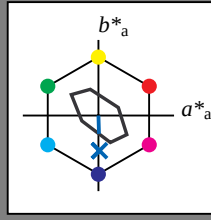
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.0 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*LABb 75.0 0.0 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.59 0.0 0.0
LAB*LABa 82.59 0.0 0.0
LAB*LABb 50.0 0.0 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.13 0.0 0.0
LAB*LABa 76.13 0.0 0.0
LAB*LABb 25.0 0.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*LABb 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1,00

0,75

$n^* = 0,00$

0,25

blackness n^*

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

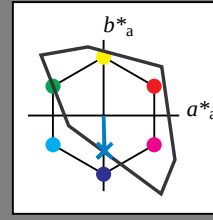
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 65.49 0.0 0.0
LAB*LABa 65.49 0.0 0.0
LAB*LABb 49.0 0.0 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.0 0.0 0.0
LAB*LABa 50.0 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olvi3* 0.75 0.903 1.0 (1.0)
cmyn3* 0.25 0.097 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.25 0.097 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 87.77 0.36 -12.14
LAB*LABa 87.77 0.36 -12.14
LAB*LABb 75.0 12.16 27.17

relative CIELAB lab*
lab*lab 0.92 0.007 -0.249
lab*tch 0.875 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.92 0.0 0.249
lab*tce 0.875 0.25 0.755
lab*nce 0.0 0.25 0.996

relative Inform. Technology (IT)
olvi3* 0.5 0.805 1.0 (1.0)
cmyn3* 0.5 0.195 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.5 0.195 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.13 0.73 -24.31
LAB*LABa 80.13 0.73 -24.31
LAB*LABb 75.0 24.33 27.12

relative CIELAB lab*
lab*lab 0.84 0.015 -0.499
lab*tch 0.85 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.84 0.0 0.499
lab*tce 0.85 0.25 0.755
lab*nce 0.0 0.25 0.996

relative Inform. Technology (IT)
olvi3* 0.25 0.653 0.75 (1.0)
cmyn3* 0.5 0.347 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.25 0.097 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.92 0.37 -12.15
LAB*LABa 63.92 0.37 -12.15
LAB*LABb 50.0 12.17 27.17

relative CIELAB lab*
lab*lab 0.67 0.008 -0.249
lab*tch 0.625 0.25 0.755
lab*nch 0.25 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.67 0.0 0.249
lab*tce 0.625 0.25 0.755
lab*nce 0.25 0.25 0.996

relative Inform. Technology (IT)
olvi3* 0.25 0.403 0.5 (1.0)
cmyn3* 0.75 0.597 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.25 0.097 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.28 0.74 -24.32
LAB*LABa 56.28 0.74 -24.32
LAB*LABb 50.0 24.34 27.17

relative CIELAB lab*
lab*lab 0.59 0.015 -0.499
lab*tch 0.59 0.25 0.755
lab*nch 0.25 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.59 0.0 0.499
lab*tce 0.59 0.25 0.755
lab*nce 0.25 0.25 0.996

relative Inform. Technology (IT)
olvi3* 0.0 0.305 0.5 (1.0)
cmyn3* 1.0 0.695 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.5 0.195 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.65 1.11 -36.48
LAB*LABa 48.65 1.11 -36.48
LAB*LABb 25.01 24.34 27.17

relative CIELAB lab*
lab*lab 0.34 0.015 -0.499
lab*tch 0.34 0.25 0.755
lab*nch 0.5 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.34 0.0 0.499
lab*tce 0.34 0.25 0.755
lab*nce 0.5 0.25 0.996

$n^* = 0,50$

0,25

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

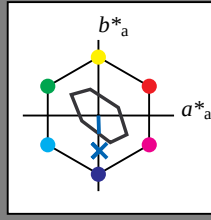
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.0 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*LABa 88.98 0.0 0.0
LAB*LABb 75.0 0.0 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.59 0.0 0.0
LAB*LABa 82.59 0.0 0.0
LAB*LABb 50.0 0.0 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.13 0.0 0.0
LAB*LABa 76.13 0.0 0.0
LAB*LABb 25.0 0.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.7 0.0 0.0
LAB*LABa 69.7 0.0 0.0
LAB*LABb 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 87.0 0.0 0.0
LAB*LABa 87.0 0.0 0.0
LAB*LABb 12.12 0.0 -

relative CIELAB lab*
lab*lab 0.693 0.015 -0.499
lab*tch 0.75 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.693 0.015 -0.499
lab*tce 0.0 0.5 0.755
lab*nce 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 81.08 0.37 -12.12
LAB*LABa 81.08 0.37 -12.12
LAB*LABb 50.0 12.14 271.73

relative CIELAB lab*
lab*lab 0.443 0.015 -0.499
lab*tch 0.625 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.443 0.015 -0.499
lab*tce 0.0 0.25 0.755
lab*nce 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.199 0.5 (1.0)
cmyn3* 1.0 0.801 0.5 (0.0)
olvi4* 0.5 0.699 1.0 (0.5)
cmyn4* 0.5 0.301 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 74.65 0.37 -12.12
LAB*LABa 74.65 0.37 -12.12
LAB*LABb 25.01 12.14 271.73

relative CIELAB lab*
lab*lab 0.193 0.015 -0.499
lab*tch 0.25 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.193 0.015 -0.499
lab*tce 0.0 0.5 0.755
lab*nce 0.0 0.5 0.755

$n^* = 0,50$

0,75

$n^* = 0,00$

0,25

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System DRSXX

for hue $h^* = lab^*h = 273/360 = 0.759$

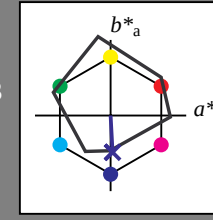
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 45 273

olv*Ma: 0.04 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 101$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 96.31 0.11 2.58
LAB*LABa 96.31 0.11 2.58
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.38 0.44 2.45
LAB*LABa 76.38 0.44 2.45
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 79.6 0.74 -24.25
LAB*LABa 79.6 0.74 -24.25
LAB*LABb 50.0 24.27 271.74

relative CIELAB lab*
lab*lab 0.385 0.03 -0.998
lab*tch 0.5 1.0 0.755
lab*nch 0.0 1.0 0.755
relative Natural Colour (NC)
lab*trj 0.385 0.03 -0.998
lab*tce 0.0 1.0 0.755
lab*nce 0.0 1.0 0.755

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.5 1.09 2.19
LAB*LABa 36.5 1.09 2.19
LAB*LABb 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.57 0.0 0.0
LAB*LABa 16.57 0.0 0.0
LAB*LABb 0.0 0.0 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 1,0$

DRSXX; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	42.21	66.82	50.6	83.82	37
Y _{Ma}	90.32	-16.51	104.33	105.63	99
L _{Ma}	48.21	-75.63	30.65	81.61	158
C _{Ma}	53.44	-33.33	-47.49	58.03	235
V _{Ma}	34.16	-0.92	-46.56	46.58	269
M _{Ma}	42.71	79.0	-1.95	79.03	359
N _{Ma}	16.56	0.0	0.0	0.0	0
W _{Ma}	96.31	0.0	0.0	0.0	0
R _{CIE}	39.92	59.78	25.77	65.1	23
J _{CIE}	81.26	-2.51	69.07	69.11	92
G _{CIE}	52.23	-41.57	11.3	43.09	165
B _{CIE}	30.57	2.6	-48.62	48.7	273

%Regularity

$g^*_{H,rel} = 38$

$g^*_{C,rel} = 44$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 65.41 0.57 -19.96
LAB*LABa 65.41 0.57 -19.96
LAB*LABb 22.39 273.06

relative CIELAB lab*
lab*lab 0.613 0.027 -0.498
lab*tch 0.75 0.5 0.759
lab*nch 0.0 0.5 0.759
relative Natural Colour (NC)
lab*trj 0.613 0.027 -0.498
lab*tce 0.0 0.5 0.759
lab*nce 0.0 0.5 0.759

relative Inform. Technology (IT)
olvi3* 0.51 0.5 0.5 (1.0)
cmyn3* 0.49 0.5 0.5 (0.0)
olvi4* 0.76 0.75 1.0 (0.5)
cmyn4* 0.24 0.25 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 60.92 0.6 -11.17
LAB*LABa 60.92 0.6 -11.17
LAB*LABb 12.5 11.2 273.06

relative CIELAB lab*
lab*lab 0.556 0.013 -0.249
lab*tch 0.625 0.25 0.759
lab*nch 0.0 0.25 0.759
relative Natural Colour (NC)
lab*trj 0.556 0.013 -0.249
lab*tce 0.0 0.25 0.759
lab*nce 0.0 0.25 0.759

relative Inform. Technology (IT)
olvi3* 0.26 0.25 0.5 (1.0)
cmyn3* 0.74 0.25 0.5 (0.0)
olvi4* 0.76 0.75 1.0 (0.5)
cmyn4* 0.24 0.25 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 45.48 0.25 -30.09
LAB*LABa 45.48 0.25 -30.09
LAB*LABb 50.0 22.39 273.06

relative CIELAB lab*
lab*lab 0.363 0.027 -0.498
lab*tch 0.625 0.25 0.759
lab*nch 0.0 0.25 0.759
relative Natural Colour (NC)
lab*trj 0.363 0.027 -0.498
lab*tce 0.0 0.25 0.759
lab*nce 0.0 0.25 0.759

relative Inform. Technology (IT)
olvi3* 0.021 0.0 0.5 (1.0)
cmyn3* 0.979 1.0 0.5 (0.0)
olvi4* 0.521 0.5 1.0 (0.5)
cmyn4* 0.479 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 25.54 0.08 -20.22
LAB*LABa 25.54 0.08 -20.22
LAB*LABb 25.01 22.39 273.04

relative CIELAB lab*
lab*lab 0.113 0.027 -0.498
lab*tch 0.25 0.5 0.758
lab*nch 0.0 0.5 0.758
relative Natural Colour (NC)
lab*trj 0.113 0.027 -0.498
lab*tce 0.0 0.5 0.758
lab*nce 0.0 0.5 0.758

$n^* = 0,50$

blackness n^*

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 273/360 = 0.759 (right)

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

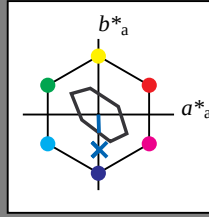
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*LABb	99.99	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0
LAB*LABb	75.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	82.59	0.0	0.0	0.0
LAB*LABa	82.59	0.0	0.0	0.0
LAB*LABb	50.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	76.13	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0
LAB*LABb	25.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)				
olvi3*	0.5	0.699	1.0	(1.0)
cmyn3*	0.5	0.301	0.0	(0.0)
olvi4*	0.5	0.699	1.0	1.0
cmyn4*	0.5	0.301	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	87.0	0.37	12.12	0.0
LAB*LABa	87.0	0.37	12.12	0.0
LAB*LABb	75.0	12.13	271.73	0.0
relative CIELAB lab*				
lab*lab	0.693	0.015	-0.499	0.0
lab*tch	0.75	0.5	0.755	0.0
lab*nch	0.0	0.5	0.755	0.0
relative Natural Colour (NC)				
lab*trj	0.693	0.0	0.499	0.0
lab*tce	0.5	0.5	0.755	0.0
lab*nce	0.0	0.5	0.755	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.449	0.75	(1.0)
cmyn3*	0.75	0.551	0.25	(0.0)
olvi4*	0.5	0.699	1.0	1.0
cmyn4*	0.5	0.301	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	81.08	0.37	12.12	0.0
LAB*LABa	81.08	0.37	12.12	0.0
LAB*LABb	50.0	12.14	271.74	0.0
relative CIELAB lab*				
lab*lab	0.443	0.015	-0.499	0.0
lab*tch	0.625	0.5	0.755	0.0
lab*nch	0.0	0.5	0.755	0.0
relative Natural Colour (NC)				
lab*trj	0.443	0.0	0.499	0.0
lab*tce	0.5	0.5	0.755	0.0
lab*nce	0.0	0.5	0.755	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.199	0.5	(1.0)
cmyn3*	1.0	0.801	0.5	(0.0)
olvi4*	0.5	0.699	1.0	1.0
cmyn4*	0.5	0.301	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	74.65	0.37	12.12	0.0
LAB*LABa	74.65	0.37	12.12	0.0
LAB*LABb	25.01	12.14	271.75	0.0
relative CIELAB lab*				
lab*lab	0.193	0.015	-0.499	0.0
lab*tch	0.25	0.5	0.755	0.0
lab*nch	0.0	0.5	0.755	0.0
relative Natural Colour (NC)				
lab*trj	0.193	0.0	0.499	0.0
lab*tce	0.25	0.5	0.755	0.0
lab*nce	0.0	0.5	0.755	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.1	0.25	(1.0)
cmyn3*	1.0	0.9	0.75	(0.0)
olvi4*	0.5	0.75	1.0	1.0
cmyn4*	0.5	0.25	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 272/360 = 0.755$

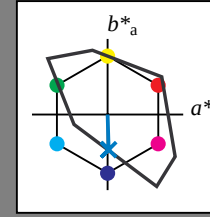
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

triangle lightness t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*LABb	99.99	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0
LAB*LABb	75.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

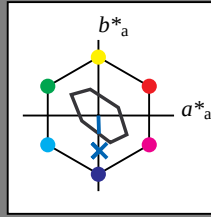
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.0	0.0	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	
LAB*LABa	88.98	0.0	0.0	
LAB*LABb	75.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.56	0.0	0.0	
LAB*LABa	82.56	0.0	0.0	
LAB*LABb	50.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.13	0.0	0.0	
LAB*LABa	76.13	0.0	0.0	
LAB*LABb	25.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	
LAB*LABa	69.7	0.0	0.0	
LAB*LABb	0.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

$n^* = 1,0$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)				
olvi3*	0.5	0.699	1.0	(1.0)
cmyn3*	0.5	0.301	0.0	(0.0)
olvi4*	0.5	0.699	1.0	(1.0)
cmyn4*	0.5	0.301	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	87.0	0.37	12.12	
LAB*LABa	87.0	0.37	12.12	
LAB*LABb	75.0	12.13	271.73	
relative CIELAB lab*				
lab*lab	0.693	0.015	-0.499	
lab*lab	0.75	0.5	0.755	
lab*lab	0.0	0.5	0.755	
relative Natural Colour (NC)				
lab*lab	0.693	0.015	-0.499	
lab*lab	0.75	0.5	0.755	
lab*lab	0.0	0.5	0.755	

relative Inform. Technology (IT)				
olvi3*	0.25	0.449	0.75	(1.0)
cmyn3*	0.75	0.551	0.25	(0.0)
olvi4*	0.5	0.699	1.0	(1.0)
cmyn4*	0.5	0.301	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	81.08	0.37	12.12	
LAB*LABa	81.08	0.37	12.12	
LAB*LABb	50.0	12.14	271.74	
relative CIELAB lab*				
lab*lab	0.443	0.015	-0.499	
lab*lab	0.5	0.5	0.755	
lab*lab	0.25	0.5	0.755	
relative Natural Colour (NC)				
lab*lab	0.443	0.015	-0.499	
lab*lab	0.5	0.5	0.755	
lab*lab	0.25	0.5	0.755	

relative Inform. Technology (IT)				
olvi3*	0.0	0.199	0.5	(1.0)
cmyn3*	1.0	0.801	0.5	(0.0)
olvi4*	0.5	0.699	1.0	(1.0)
cmyn4*	0.5	0.301	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	74.65	0.37	12.12	
LAB*LABa	74.65	0.37	12.12	
LAB*LABb	25.01	12.14	271.75	
relative CIELAB lab*				
lab*lab	0.193	0.015	-0.499	
lab*lab	0.25	0.5	0.755	
lab*lab	0.0	0.5	0.755	
relative Natural Colour (NC)				
lab*lab	0.193	0.015	-0.499	
lab*lab	0.25	0.5	0.755	
lab*lab	0.0	0.5	0.755	

relative Inform. Technology (IT)				
olvi3*	0.0	0.1	0.25	(1.0)
cmyn3*	1.0	0.9	0.75	(0.0)
olvi4*	0.75	0.85	1.0	(1.0)
cmyn4*	0.25	0.15	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	72.18	0.19	-6.06	
LAB*LABa	72.18	0.19	-6.06	
LAB*LABb	12.5	6.07	271.76	
relative CIELAB lab*				
lab*lab	0.096	0.008	-0.249	
lab*lab	0.125	0.25	0.755	
lab*lab	0.75	0.25	0.755	
relative Natural Colour (NC)				
lab*lab	0.096	0.008	-0.249	
lab*lab	0.125	0.25	0.755	
lab*lab	0.75	0.25	0.755	

$n^* = 0,50$

$n^* = 0,00$

0,25

blackness n^*

chromaticness c^*

Output: Colorimetric Natural Luminous System NLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

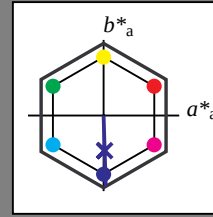
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 33 94 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 152$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.0	0.0	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	
LAB*LABb	75.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*LABb	50.0	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*ach	0.5	0.0	0.0	
lab*nc	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*lrj	0.5	0.0	0.0	
lab*nce	0.5	0.0	0.0	
lab*nce	0.5	0.0	0.0	

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 272/360 = 0.755$

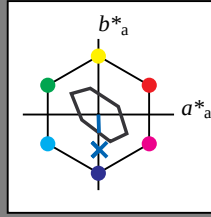
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*LABb	99.99	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	0.0
LAB*LABa	88.98	0.0	0.0	0.0
LAB*LABb	75.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	82.56	0.0	0.0	0.0
LAB*LABa	82.56	0.0	0.0	0.0
LAB*LABb	50.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	76.13	0.0	0.0	0.0
LAB*LABa	76.13	0.0	0.0	0.0
LAB*LABb	25.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.85	1.0	(1.0)
cmyn3*	0.25	0.15	0.0	(0.0)
olvi4*	0.75	0.85	1.0	1.0
cmyn4*	0.25	0.15	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	91.46	0.18	-6.05	0.0
LAB*LABa	91.46	0.18	-6.05	0.0
LAB*LABb	87.5	6.07	271.73	0.0
relative CIELAB lab*				
lab*lab	0.846	0.008	-0.249	0.0
lab*lab	0.875	0.25	0.755	0.0
lab*lab	0.0	0.25	0.755	0.0
relative Natural Colour (NC)				
lab*lab	0.846	0.0	-0.249	0.0
lab*lab	0.875	0.25	0.755	0.0
lab*lab	0.0	0.25	0.755	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.6	0.75	(1.0)
cmyn3*	0.5	0.4	0.25	(0.0)
olvi4*	0.75	0.85	1.0	1.0
cmyn4*	0.25	0.15	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	85.03	0.18	-6.06	0.0
LAB*LABa	85.03	0.18	-6.06	0.0
LAB*LABb	82.5	6.07	271.74	0.0
relative CIELAB lab*				
lab*lab	0.596	0.008	-0.249	0.0
lab*lab	0.625	0.25	0.755	0.0
lab*lab	0.25	0.25	0.755	0.0
relative Natural Colour (NC)				
lab*lab	0.596	0.0	-0.249	0.0
lab*lab	0.625	0.25	0.755	0.0
lab*lab	0.25	0.25	0.755	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.35	0.5	(1.0)
cmyn3*	0.75	0.65	0.5	(0.0)
olvi4*	0.75	0.85	1.0	1.0
cmyn4*	0.25	0.15	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	78.6	0.18	-6.06	0.0
LAB*LABa	78.6	0.18	-6.06	0.0
LAB*LABb	37.5	6.07	271.74	0.0
relative CIELAB lab*				
lab*lab	0.346	0.008	-0.249	0.0
lab*lab	0.375	0.25	0.755	0.0
lab*lab	0.25	0.25	0.755	0.0
relative Natural Colour (NC)				
lab*lab	0.346	0.0	-0.249	0.0
lab*lab	0.375	0.25	0.755	0.0
lab*lab	0.25	0.25	0.755	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.1	0.25	(1.0)
cmyn3*	1.0	0.9	0.75	(0.0)
olvi4*	0.75	0.85	1.0	1.0
cmyn4*	0.25	0.15	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	72.18	0.19	-6.06	0.0
LAB*LABa	72.18	0.19	-6.06	0.0
LAB*LABb	12.5	6.07	271.76	0.0
relative CIELAB lab*				
lab*lab	0.096	0.008	-0.249	0.0
lab*lab	0.125	0.25	0.755	0.0
lab*lab	0.75	0.25	0.755	0.0
relative Natural Colour (NC)				
lab*lab	0.096	0.0	-0.249	0.0
lab*lab	0.125	0.25	0.755	0.0
lab*lab	0.75	0.25	0.755	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	69.7	0.0	0.0	0.0
LAB*LABa	69.7	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.699	1.0	(1.0)
cmyn3*	0.5	0.301	0.0	(0.0)
olvi4*	0.5	0.699	1.0	1.0
cmyn4*	0.5	0.301	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	87.5	0.37	-12.12	0.0
LAB*LABa	87.5	0.37	-12.12	0.0
LAB*LABb	75.0	12.13	271.73	0.0
relative CIELAB lab*				
lab*lab	0.693	0.015	-0.499	0.0
lab*lab	0.75	0.5	0.755	0.0
lab*lab	0.0	0.5	0.755	0.0
relative Natural Colour (NC)				
lab*lab	0.693	0.0	-0.499	0.0
lab*lab	0.75	0.5	0.755	0.0
lab*lab	0.0	0.5	0.755	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.449	0.75	(1.0)
cmyn3*	0.75	0.551	0.25	(0.0)
olvi4*	0.5	0.699	1.0	1.0
cmyn4*	0.5	0.301	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	81.08	0.37	-12.12	0.0
LAB*LABa	81.08	0.37	-12.12	0.0
LAB*LABb	50.0	12.14	271.74	0.0
relative CIELAB lab*				
lab*lab	0.443	0.015	-0.499	0.0
lab*lab	0.5	0.5	0.755	0.0
lab*lab	0.25	0.5	0.755	0.0
relative Natural Colour (NC)				
lab*lab	0.443	0.0	-0.499	0.0
lab*lab	0.5	0.5	0.755	0.0
lab*lab	0.25	0.5	0.755	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.199	0.5	(1.0)
cmyn3*	1.0	0.901	0.5	(0.0)
olvi4*	0.5	0.699	1.0	0.5
cmyn4*	0.5	0.301	0.0	0.5
standard and adopted CIELAB				
LAB*LABa	74.65	0.37	-12.12	
LAB*LABa	74.65	0.37	-12.12	

