

Input: Colorimetric Offset Reflective System ORS18

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

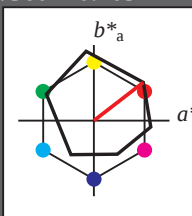
$lab \cdot tch$ and $lab \cdot nch$

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

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

% Regularity

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

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

relative Inform. Technology (IT)				
olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	-9.98	47.5	
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	95.41	0.0	0.0	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*trj	1.0	0.0	0.0	
lab*trj	1.0	0.0	0.0	
lab*trj	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olv3*	1.0	0.75	0.75	(1.0)
olv3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
olv4*	0.0	0.25	0.25	(0.0)
olv4*	0.0	0.25	0.25	(0.0)
olv4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	83.54	15.58	16.58	
LAB*LAB	83.54	16.34	12.62	
LAB*LAB	83.54	16.34	12.62	
LAB*LAB	83.54	16.34	12.62	
relative CIELAB lab*				
lab*lab	0.847	0.198	0.153	
lab*lab	0.875	0.25	0.105	
lab*lab	0.875	0.25	0.105	
lab*lab	0.875	0.25	0.105	
relative Natural Colour (NC)				
lab*trj	0.847	0.238	0.075	
lab*trj	0.875	0.25	0.048	
lab*trj	0.875	0.25	0.048	
lab*trj	0.875	0.25	0.048	

relative Inform. Technology (IT)				
olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.67	32.15	28.41	
LAB*LAB	71.67	32.69	25.25	
LAB*LAB	71.67	32.69	25.25	
LAB*LAB	71.67	32.69	25.25	
relative CIELAB lab*				
lab*lab	0.693	0.396	0.306	
lab*lab	0.75	0.5	0.105	
lab*lab	0.75	0.5	0.105	
lab*lab	0.75	0.5	0.105	
relative Natural Colour (NC)				
lab*trj	0.693	0.477	0.15	
lab*trj	0.75	0.5	0.048	
lab*trj	0.75	0.5	0.048	
lab*trj	0.75	0.5	0.048	

relative Inform. Technology (IT)				
olv3*	1.0	0.25	0.25	(1.0)
olv3*	0.0	0.75	0.75	(0.0)
olv4*	1.0	0.25	0.25	(1.0)
olv4*	0.0	0.75	0.75	(0.0)
olv4*	0.0	0.75	0.75	(0.0)
olv4*	0.0	0.75	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	59.8	48.73	40.24	
LAB*LAB	59.8	49.03	37.88	
LAB*LAB	59.8	49.03	37.88	
LAB*LAB	59.8	49.03	37.88	
relative CIELAB lab*				
lab*lab	0.593	0.458	0.306	
lab*lab	0.625	0.75	0.105	
lab*lab	0.625	0.75	0.105	
lab*lab	0.625	0.75	0.105	
relative Natural Colour (NC)				
lab*trj	0.593	0.477	0.15	
lab*trj	0.625	0.75	0.048	
lab*trj	0.625	0.75	0.048	
lab*trj	0.625	0.75	0.048	

relative Inform. Technology (IT)				
olv3*	1.0	0.0	0.0	(1.0)
olv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
olv4*	0.0	1.0	1.0	(0.0)
olv4*	0.0	1.0	1.0	(0.0)
olv4*	0.0	1.0	1.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	50.51	
LAB*LAB	47.94	65.37	50.51	
LAB*LAB	47.94	65.37	50.51	
relative CIELAB lab*				
lab*lab	0.387	0.791	0.611	
lab*lab	0.5	1.0	0.105	
lab*lab	0.5	1.0	0.105	
lab*lab	0.5	1.0	0.105	
relative Natural Colour (NC)				
lab*trj	0.387	0.954	0.299	
lab*trj	0.5	1.0	0.048	
lab*trj	0.5	1.0	0.048	
lab*trj	0.5	1.0	0.048	

relative Inform. Technology (IT)				
olv3*	0.5	0.5	0.5	(0.0)
olv3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(0.5)
olv4*	0.0	0.0	0.0	(0.5)
olv4*	0.0	0.0	0.0	(0.5)
olv4*	0.0	0.0	0.0	(0.5)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LAB	56.72	0.0	0.0	
LAB*LAB	56.72	0.0	0.0	
LAB*LAB	56.72	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*trj	0.5	0.0	0.0	
lab*trj	0.5	0.0	0.0	
lab*trj	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(0.75)
olv4*	0.0	0.0	0.0	(0.75)
olv4*	0.0	0.0	0.0	(0.75)
olv4*	0.0	0.0	0.0	(0.75)
standard and adapted CIELAB				
LAB*LAB	66.39	16.76	9.68	
LAB*LAB	66.39	16.76	9.68	
LAB*LAB	66.39	16.76	9.68	
LAB*LAB	66.39	16.76	9.68	
relative CIELAB lab*				
lab*lab	0.625	0.216	0.125	
lab*lab	0.875	0.25	0.083	
lab*lab	0.875	0.25	0.083	
lab*lab	0.875	0.25	0.083	
relative Natural Colour (NC)				
lab*trj	0.625	0.249	0.027	
lab*trj	0.875	0.25	0.017	
lab*trj	0.875	0.25	0.017	
lab*trj	0.875	0.25	0.017	

relative Inform. Technology (IT)				
olv3*	0.75	0.5	0.5	(1.0)
olv3*	0.25	0.5	0.5	(0.0)
olv4*	1.0	0.75	0.75	(0.75)
olv4*	0.0	0.25	0.25	(0.75)
olv4*	0.0	0.25	0.25	(0.75)
olv4*	0.0	0.25	0.25	(0.75)
standard and adapted CIELAB				
LAB*LAB	66.39	16.76	9.68	
LAB*LAB	66.39	16.76	9.68	
LAB*LAB	66.39	16.76	9.68	
LAB*LAB	66.39	16.76	9.68	
relative CIELAB lab*				
lab*lab	0.625	0.216	0.125	
lab*lab	0.875	0.25	0.083	
lab*lab	0.875	0.25	0.083	
lab*lab	0.875	0.25	0.083	
relative Natural Colour (NC)				
lab*trj	0.625	0.249	0.027	
lab*trj	0.875	0.25	0.017	
lab*trj	0.875	0.25	0.017	
lab*trj	0.875	0.25	0.017	

relative Inform. Technology (IT)				
olv3*	0.75	0.25	0.25	(1.0)
olv3*	0.25	0.75	0.75	(0.0)
olv4*	1.0	0.5	0.5	(0.75)
olv4*	0.0	0.5	0.5	(0.75)
olv4*	0.0	0.5	0.5	(0.75)
olv4*	0.0	0.5	0.5	(0.75)
standard and adapted CIELAB				
LAB*LAB	56.71	33.52	19.35	
LAB*LAB	56.71	33.52	19.35	
LAB*LAB	56.71	33.52	19.35	
LAB*LAB	56.71	33.52	19.35	
relative CIELAB lab*				
lab*lab	0.625	0.649	0.375	
lab*lab	0.625	0.75	0.083	
lab*lab	0.625	0.75	0.083	
lab*lab	0.625	0.75	0.083	
relative Natural Colour (NC)				
lab*trj	0.625	0.746	0.08	
lab*trj	0.625	0.75	0.017	
lab*trj	0.625	0.75	0.017	
lab*trj	0.625	0.75	0.017	

relative Inform. Technology (IT)				
olv3*	1.0	0.0	0.0	(1.0)
olv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
olv4*	0.0	1.0	1.0	(0.0)
olv4*	0.0	1.0	1.0	(0.0)
olv4*	0.0	1.0	1.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	67.02	38.69	
LAB*LAB	56.71	67.02	38.69	
LAB*LAB	56.71	67.02	38.69	
LAB*LAB	56.71	67.02	38.69	
relative CIELAB lab*				
lab*lab	0.5	0.866	0.5	
lab*lab	0.5	1.0	0.083	
lab*lab	0.5	1.0	0.083	
lab*lab	0.5	1.0	0.083	
relative Natural Colour (NC)				
lab*trj	0.5	0.994	0.106	
lab*trj	0.5	1.0	0.017	
lab*trj	0.5	1.0	0.017	
lab*trj	0.5	1.0	0.017	

relative Inform. Technology (IT)				
olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	(0.25)
olv4*	0.0	0.0	0.0	(0.25)
olv4*	0.0	0.0	0.0	(0.25)
olv4*	0.0	0.0	0.0	(0.25)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*LAB	56.71	-0.24	2.14	
LAB*LAB	56.71	-0.24	2.14	
LAB*LAB	56.71	-0.24	2.14	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*trj	0.5	0.0	0.0	
lab*trj	0.5	0.0	0.0	
lab*trj	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olv3*	0.5	0.25	0.25	(1.0)
cmy3*	0.5	0.75	0.75	(0.0)
olv4*	1.0	0.75	0.75	(0.5)
cmy4*	0.0	0.25	0.25	(0.5)
standard and adapted CIELAB				
LAB*LAB	44.84	16.33	13.97	
LAB*LABa	44.84	16.33	12.63	
LAB*TCbA	37.5	20.66	37.69	
relative CIELAB lab*				
lab*lab	0.347	0.198	0.153	
lab*ch	0.375	0.25	0.105	
lab*nc	0.5	0.25	0.105	
relative Natural Colour (NC)				
lab*lrj	0.347	0.239	0.075	
lab*tc	0.375	0.25	0.048	
lab*nce	0.5	0.25	0.191	

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 96/360 = 0.268$

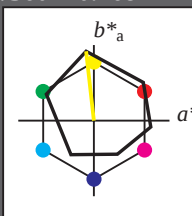
$lab \cdot tch$ and $lab \cdot nch$

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data

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

%Regularity

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

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

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 47.5
LAB*LABa 95.41 0.0 0.0
LAB*TCa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.75 (1.0)
cmyn3* 0.0 0.0 0.75 (0.0)
olv4* 1.0 1.0 0.75 1.0
cmyn4* 0.0 0.0 0.75 0.0
standard and adapted CIELAB
LAB*LAB 94.14 -3.52 27.6
LAB*LABa 94.14 -2.56 22.93
LAB*TCa 87.5 25.07 96.38

relative CIELAB lab*
lab*lab 0.984 -0.027 0.248
lab*tch 0.875 0.25 2.68
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.984 -0.024 0.249
lab*trc 0.875 0.25 2.66
lab*ncc 0.0 0.25 0.96

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.75 0.0
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 3.69
LAB*TCa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*trc 0.75 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olv4* 1.0 1.0 0.5 0.75
cmyn4* 0.0 0.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 62.88 -6.06 50.46
LAB*LABa 62.88 -5.12 45.87
LAB*TCa 75.0 46.15 96.38

relative CIELAB lab*
lab*lab 0.967 -0.055 0.497
lab*tch 0.75 0.5 0.268
lab*nch 0.0 0.5 0.268
relative Natural Colour (NC)
lab*trj 0.967 -0.048 0.497
lab*trc 0.75 0.5 0.266
lab*ncc 0.0 0.5 0.96

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 0.25 0.5
cmyn4* 0.0 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABa 56.71 0.0 2.38
LAB*TCa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.25 0.0
lab*tch 0.75 0.25 0.0
lab*nch 0.0 0.25 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.25 0.0
lab*trc 0.75 0.25 0.0
lab*ncc 0.0 0.25 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 0.5
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 50.0 -0.73 0.746
LAB*LABa 50.0 -0.73 0.746
LAB*TCa 50.0 0.0 0.96

relative CIELAB lab*
lab*lab 0.951 -0.082 0.745
lab*tch 0.625 0.75 0.268
lab*nch 0.0 0.75 0.268
relative Natural Colour (NC)
lab*trj 0.951 -0.073 0.746
lab*trc 0.625 0.75 0.266
lab*ncc 0.0 0.75 0.96

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 0.5 0.0
cmyn4* 0.0 0.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABa 56.71 0.0 2.38
LAB*TCa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*trc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 0.5
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 50.0 -0.73 0.746
LAB*LABa 50.0 -0.73 0.746
LAB*TCa 50.0 0.0 0.96

relative CIELAB lab*
lab*lab 0.951 -0.082 0.745
lab*tch 0.625 0.75 0.268
lab*nch 0.0 0.75 0.268
relative Natural Colour (NC)
lab*trj 0.951 -0.073 0.746
lab*trc 0.625 0.75 0.266
lab*ncc 0.0 0.75 0.96

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 0.25 0.0
cmyn4* 0.0 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABa 56.71 0.0 2.38
LAB*TCa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 0.5
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 50.0 -0.73 0.746
LAB*LABa 50.0 -0.73 0.746
LAB*TCa 50.0 0.0 0.96

relative CIELAB lab*
lab*lab 0.951 -0.082 0.745
lab*tch 0.625 0.75 0.268
lab*nch 0.0 0.75 0.268
relative Natural Colour (NC)
lab*trj 0.951 -0.073 0.746
lab*trc 0.625 0.75 0.266
lab*ncc 0.0 0.75 0.96

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 0.5
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 50.0 -0.73 0.746
LAB*LABa 50.0 -0.73 0.746
LAB*TCa 50.0 0.0 0.96

relative CIELAB lab*
lab*lab 0.951 -0.082 0.745
lab*tch 0.625 0.75 0.268
lab*nch 0.0 0.75 0.268
relative Natural Colour (NC)
lab*trj 0.951 -0.073 0.746
lab*trc 0.625 0.75 0.266
lab*ncc 0.0 0.75 0.96

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 0.5
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 50.0 -0.73 0.746
LAB*LABa 50.0 -0.73 0.746
LAB*TCa 50.0 0.0 0.96

relative CIELAB lab*
lab*lab 0.951 -0.082 0.745
lab*tch 0.625 0.75 0.268
lab*nch 0.0 0.75 0.268
relative Natural Colour (NC)
lab*trj 0.951 -0.073 0.746
lab*trc 0.625 0.75 0.266
lab*ncc 0.0 0.75 0.96

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 0.5
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 50.0 -0.73 0.746
LAB*LABa 50.0 -0.73 0.746
LAB*TCa 50.0 0.0 0.96

relative CIELAB lab*
lab*lab 0.951 -0.082 0.745
lab*tch 0.625 0.75 0.268
lab*nch 0.0 0.75 0.268
relative Natural Colour (NC)
lab*trj 0.951 -0.073 0.746
lab*trc 0.625 0.75 0.266
lab*ncc 0.0 0.75 0.96

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 0.5
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 50.0 -0.73 0.746
LAB*LABa 50.0 -0.73 0.746
LAB*TCa 50.0 0.0 0.96

relative CIELAB lab*
lab*lab 0.951 -0.082 0.745
lab*tch 0.625 0.75 0.268
lab*nch 0.0 0.75 0.268
relative Natural Colour (NC)
lab*trj 0.951 -0.073 0.746
lab*trc 0.625 0.75 0.266
lab*ncc 0.0 0.75 0.96

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 0.5
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 50.0 -0.73 0.746
LAB*LABa 50.0 -0.73 0.746
LAB*TCa 50.0 0.0 0.96

relative CIELAB lab*
lab*lab 0.951 -0.082 0.745
lab*tch 0.625 0.75 0.268
lab*nch 0.0 0.75 0.268
relative Natural Colour (NC)
lab*trj 0.951 -0.073 0.746
lab*trc 0.625 0.75 0.266
lab*ncc 0.0 0.75 0.96

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 0.5
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 50.0 -0.73 0.746
LAB*LABa 50.0 -0.73 0.746
LAB*TCa 50.0 0.0 0.96

relative CIELAB lab*
lab*lab 0.951 -0.082 0.745
lab*tch 0.625 0.75 0.268
lab*nch 0.0 0.75 0.268
relative Natural Colour (NC)
lab*trj 0.951 -0.073 0.746
lab*trc 0.625 0.75 0.266
lab*ncc 0.0 0.75 0.96

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 0.5
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 50.0 -0.73 0.746
LAB*LABa 50.0 -0.73 0.746
LAB*TCa 50.0 0.0 0.96

relative CIELAB lab*
lab*lab 0.951 -0.082 0.745
lab*tch 0.625 0.75 0.268
lab*nch 0.0 0.75 0.268
relative Natural Colour (NC)
lab*trj 0.951 -0.073 0.746
lab*trc 0.625 0.75 0.266
lab*ncc 0.0 0.75 0.96

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 0.5
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 50.0 -0.73 0.746
LAB*LABa 50.0 -0.73 0.746
LAB*TCa 50.0 0.0 0.96

relative CIELAB lab*
lab*lab 0.951 -0.082 0.745
lab*tch 0.625 0.75 0.268
lab*nch 0.0 0.75 0.268
relative Natural Colour (NC)
lab*trj 0.951 -0.073 0.746
lab*trc 0.625 0.75 0.266
lab*ncc 0.0 0.75 0.96

OE520-7, 5 step scales for constant CIELAB hue 96/360 = 0.268 (left)

BAM-test chart OE52; Colorimetric systems ORS18 & SRS18

D65: 2 coordinate data of 5 step colour scales for 10 hues

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab \cdot h = 90/360 = 0.25$

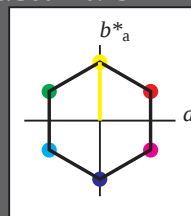
$lab \cdot tch$ and $lab \cdot nch$

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



SRS18; adapted (a) CIELAB data

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

%Regularity

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

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

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.75 (1.0)
cmyn3* 0.0 0.0 0.75 (0.0)
olv4* 1.0 1.0 0.75 1.0
cmyn4* 0.0 0.0 0.75 0.0
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCa 87.5 19.34 90.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.25
lab*tch 0.875 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.875 0.014 0.25
lab*trc 0.875 0.25 0.241
lab*ncc 0.0 0.25 0.96

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.75 0.0
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*trc 0.75 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olv4* 1.0 1.0 0.5 0.75
cmyn4* 0.0 0.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 66.39 0.0 19.35
LAB*LABa 66.39 0.0 19.35
LAB*TCa 62.5 19.35 90.0

relative CIELAB lab*
lab*lab 0.75 0.25 0.0
lab*tch 0.875 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.75 0.25 0.241
lab*trc 0.875 0.25 0.241
lab*ncc 0.0 0.25 0.96

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 0.5 0.0
cmyn4* 0.0 0.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 56.72 0.0 19.35
LAB*LABa 56.72 0.0 19.35
LAB*TCa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*trc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 0.5
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 50.0 -0.73 0.746
LAB*LABa 50.0 -0.73 0.746
LAB*TCa 50.0 0.0 0.96

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*trc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.2

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

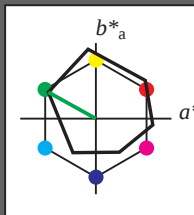
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	-10.26	91.75	92.32	96
L_{Ma}	50.9	-62.83	34.96	71.91	151
C_{Ma}	58.62	-30.34	-45.01	54.3	236
V_{Ma}	25.72	31.1	-44.4	54.22	305
M_{Ma}	48.13	75.28	-8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	-2.16	67.76	67.79	92
G_{CIE}	52.23	-42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

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

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

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0
olv4*	0.0	0.0	0.0
olv5*	0.0	0.0	0.0
olv6*	0.0	0.0	0.0
olv7*	0.0	0.0	0.0
olv8*	0.0	0.0	0.0
olv9*	0.0	0.0	0.0
olv10*	0.0	0.0	0.0
olv11*	0.0	0.0	0.0
olv12*	0.0	0.0	0.0
olv13*	0.0	0.0	0.0
olv14*	0.0	0.0	0.0
olv15*	0.0	0.0	0.0
olv16*	0.0	0.0	0.0
olv17*	0.0	0.0	0.0
olv18*	0.0	0.0	0.0
olv19*	0.0	0.0	0.0
olv20*	0.0	0.0	0.0
olv21*	0.0	0.0	0.0
olv22*	0.0	0.0	0.0
olv23*	0.0	0.0	0.0
olv24*	0.0	0.0	0.0
olv25*	0.0	0.0	0.0
olv26*	0.0	0.0	0.0
olv27*	0.0	0.0	0.0
olv28*	0.0	0.0	0.0
olv29*	0.0	0.0	0.0
olv30*	0.0	0.0	0.0
olv31*	0.0	0.0	0.0
olv32*	0.0	0.0	0.0
olv33*	0.0	0.0	0.0
olv34*	0.0	0.0	0.0
olv35*	0.0	0.0	0.0
olv36*	0.0	0.0	0.0
olv37*	0.0	0.0	0.0
olv38*	0.0	0.0	0.0
olv39*	0.0	0.0	0.0
olv40*	0.0	0.0	0.0
olv41*	0.0	0.0	0.0
olv42*	0.0	0.0	0.0
olv43*	0.0	0.0	0.0
olv44*	0.0	0.0	0.0
olv45*	0.0	0.0	0.0
olv46*	0.0	0.0	0.0
olv47*	0.0	0.0	0.0
olv48*	0.0	0.0	0.0
olv49*	0.0	0.0	0.0
olv50*	0.0	0.0	0.0
olv51*	0.0	0.0	0.0
olv52*	0.0	0.0	0.0
olv53*	0.0	0.0	0.0
olv54*	0.0	0.0	0.0
olv55*	0.0	0.0	0.0
olv56*	0.0	0.0	0.0
olv57*	0.0	0.0	0.0
olv58*	0.0	0.0	0.0
olv59*	0.0	0.0	0.0
olv60*	0.0	0.0	0.0
olv61*	0.0	0.0	0.0
olv62*	0.0	0.0	0.0
olv63*	0.0	0.0	0.0
olv64*	0.0	0.0	0.0
olv65*	0.0	0.0	0.0
olv66*	0.0	0.0	0.0
olv67*	0.0	0.0	0.0
olv68*	0.0	0.0	0.0
olv69*	0.0	0.0	0.0
olv70*	0.0	0.0	0.0
olv71*	0.0	0.0	0.0
olv72*	0.0	0.0	0.0
olv73*	0.0	0.0	0.0
olv74*	0.0	0.0	0.0
olv75*	0.0	0.0	0.0
olv76*	0.0	0.0	0.0
olv77*	0.0	0.0	0.0
olv78*	0.0	0.0	0.0
olv79*	0.0	0.0	0.0
olv80*	0.0	0.0	0.0
olv81*	0.0	0.0	0.0
olv82*	0.0	0.0	0.0
olv83*	0.0	0.0	0.0
olv84*	0.0	0.0	0.0
olv85*	0.0	0.0	0.0
olv86*	0.0	0.0	0.0
olv87*	0.0	0.0	0.0
olv88*	0.0	0.0	0.0
olv89*	0.0	0.0	0.0
olv90*	0.0	0.0	0.0
olv91*	0.0	0.0	0.0
olv92*	0.0	0.0	0.0
olv93*	0.0	0.0	0.0
olv94*	0.0	0.0	0.0
olv95*	0.0	0.0	0.0
olv96*	0.0	0.0	0.0
olv97*	0.0	0.0	0.0
olv98*	0.0	0.0	0.0
olv99*	0.0	0.0	0.0
olv100*	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0
olv4*	0.0	0.0	0.0
olv5*	0.0	0.0	0.0
olv6*	0.0	0.0	0.0
olv7*	0.0	0.0	0.0
olv8*	0.0	0.0	0.0
olv9*	0.0	0.0	0.0
olv10*	0.0	0.0	0.0
olv11*	0.0	0.0	0.0
olv12*	0.0	0.0	0.0
olv13*	0.0	0.0	0.0
olv14*	0.0	0.0	0.0
olv15*	0.0	0.0	0.0
olv16*	0.0	0.0	0.0
olv17*	0.0	0.0	0.0
olv18*	0.0	0.0	0.0
olv19*	0.0	0.0	0.0
olv20*	0.0	0.0	0.0
olv21*	0.0	0.0	0.0
olv22*	0.0	0.0	0.0
olv23*	0.0	0.0	0.0
olv24*	0.0	0.0	0.0
olv25*	0.0	0.0	0.0
olv26*	0.0	0.0	0.0
olv27*	0.0	0.0	0.0
olv28*	0.0	0.0	0.0
olv29*	0.0	0.0	0.0
olv30*	0.0	0.0	0.0
olv31*	0.0	0.0	0.0
olv32*	0.0	0.0	0.0
olv33*	0.0	0.0	0.0
olv34*	0.0	0.0	0.0
olv35*	0.0	0.0	0.0
olv36*	0.0	0.0	0.0
olv37*	0.0	0.0	0.0
olv38*	0.0	0.0	0.0
olv39*	0.0	0.0	0.0
olv40*	0.0	0.0	0.0
olv41*	0.0	0.0	0.0
olv42*	0.0	0.0	0.0
olv43*	0.0	0.0	0.0
olv44*	0.0	0.0	0.0
olv45*	0.0	0.0	0.0
olv46*	0.0	0.0	0.0
olv47*	0.0	0.0	0.0
olv48*	0.0	0.0	0.0
olv49*	0.0	0.0	0.0
olv50*	0.0	0.0	0.0
olv51*	0.0	0.0	0.0
olv52*	0.0	0.0	0.0
olv53*	0.0	0.0	0.0
olv54*	0.0	0.0	0.0
olv55*	0.0	0.0	0.0
olv56*	0.0	0.0	0.0
olv57*	0.0	0.0	0.0
olv58*	0.0	0.0	0.0
olv59*	0.0	0.0	0.0
olv60*	0.0	0.0	0.0
olv61*	0.0	0.0	0.0
olv62*	0.0	0.0	0.0
olv63*	0.0	0.0	0.0
olv64*	0.0	0.0	0.0
olv65*	0.0	0.0	0.0
olv66*	0.0	0.0	0.0
olv67*	0.0	0.0	0.0
olv68*	0.0	0.0	0.0
olv69*	0.0	0.0	0.0
olv70*	0.0	0.0	0.0
olv71*	0.0	0.0	0.0
olv72*	0.0	0.0	0.0
olv73*	0.0	0.0	0.0
olv74*	0.0	0.0	0.0
olv75*	0.0	0.0	0.0
olv76*	0.0	0.0	0.0
olv77*	0.0	0.0	0.0
olv78*	0.0	0.0	0.0
olv79*	0.0	0.0	0.0
olv80*	0.0	0.0	0.0
olv81*	0.0	0.0	0.0
olv82*	0.0	0.0	0.0
olv83*	0.0	0.0	0.0
olv84*	0.0	0.0	0.0
olv85*	0.0	0.0	0.0
olv86*	0.0	0.0	0.0
olv87*	0.0	0.0	0.0
olv88*	0.0	0.0	0.0
olv89*	0.0	0.0	0.0
olv90*	0.0	0.0	0.0
olv91*	0.0	0.0	0.0
olv92*	0.0	0.0	0.0
olv93*	0.0	0.0	0.0
olv94*	0.0	0.0	0.0
olv95*	0.0	0.0	0.0
olv96*	0.0	0.0	0.0
olv97*	0.0	0.0	0.0
olv98*	0.0	0.0	0.0
olv99*	0.0	0.0	0.0
olv100*	0.0	0.0	0.0

LAB* <i>TCHa</i>	87.5	17.97	150.91
relative CIELAB <i>lab*</i>			
<i>lab*lab</i>	0.856	-0.217	0.121
<i>lab*tch</i>	0.875	0.25	0.419
<i>lab*nch</i>	0.0	0.25	0.419
relative Natural Colour (NC)			
<i>lab*lrj</i>	0.856	-0.238	0.072
<i>lab*tce</i>	0.875	0.25	0.453
<i>lab*nCe</i>	0.0	0.25	0.81g

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

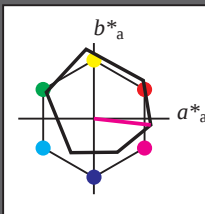
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

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

% Regularity

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

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

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

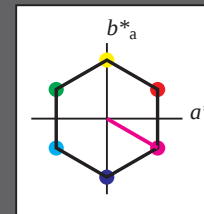
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

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

% Regularity

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

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

relative Inform. Technology (IT)	
olv3*	1.0 1.0 1.0 (1.0)
olv4*	0.0 0.0 0.0 (0.0)
olv5*	1.0 1.0 1.0 (1.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*Lab	95.41 -0.98 75.5
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
relative CIELAB lab*	
lab*lab	1.0 0.0 0.0
lab*tch	0.0 0.0 0.0
lab*nch	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.0 0.0 0.0
lab*tce	0.0 0.0 0.0
lab*nce	0.0 0.0 0.0

relative Inform. Technology (IT)	
olv3*	1.0 0.75 1.0 (1.0)
olv4*	0.0 0.25 0.0 (0.0)
olv5*	1.0 0.75 1.0 (1.0)
olv6*	0.0 0.25 0.0 (0.0)
standard and adapted CIELAB	
LAB*Lab	83.59 18.05 1.87
LAB*Lab	83.59 18.05 1.87
LAB*Lab	83.59 18.05 1.87
relative CIELAB lab*	
lab*lab	0.847 0.248 -0.027
lab*tch	0.875 0.25 0.982
lab*nch	0.0 0.25 0.982
relative Natural Colour (NC)	
lab*trj	0.847 0.227 -0.103
lab*tce	0.875 0.25 0.982
lab*nce	0.0 0.25 0.982

relative Inform. Technology (IT)	
olv3*	1.0 0.5 1.0 (1.0)
olv4*	0.0 0.5 0.0 (0.0)
olv5*	1.0 0.5 1.0 (1.0)
olv6*	0.0 0.5 0.0 (0.0)
standard and adapted CIELAB	
LAB*Lab	71.77 37.1 -1.01
LAB*Lab	71.77 37.1 -1.01
LAB*Lab	71.77 37.1 -1.01
relative CIELAB lab*	
lab*lab	0.695 0.497 -0.054
lab*tch	0.75 0.5 0.982
lab*nch	0.0 0.5 0.982
relative Natural Colour (NC)	
lab*trj	0.695 0.454 -0.208
lab*tce	0.75 0.5 0.982
lab*nce	0.0 0.5 0.982

relative Inform. Technology (IT)	
olv3*	1.0 0.25 1.0 (1.0)
olv4*	0.0 0.25 0.0 (0.0)
olv5*	1.0 0.25 1.0 (1.0)
olv6*	0.0 0.25 0.0 (0.0)
standard and adapted CIELAB	
LAB*Lab	59.95 56.15 -3.9
LAB*Lab	59.95 56.15 -3.9
LAB*Lab	59.95 56.15 -3.9
relative CIELAB lab*	
lab*lab	0.542 0.745 -0.082
lab*tch	0.625 0.75 0.982
lab*nch	0.0 0.75 0.982
relative Natural Colour (NC)	
lab*trj	0.542 0.682 -0.312
lab*tce	0.625 0.75 0.982
lab*nce	0.0 0.75 0.982

relative Inform. Technology (IT)	
olv3*	1.0 0.0 1.0 (1.0)
olv4*	0.0 0.0 0.0 (0.0)
olv5*	1.0 0.0 1.0 (1.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*Lab	48.13 75.28 -8.36
LAB*Lab	48.13 75.28 -8.36
LAB*Lab	48.13 75.28 -8.36
relative CIELAB lab*	
lab*lab	0.389 0.994 -0.109
lab*tch	0.5 1.0 0.982
lab*nch	0.0 1.0 0.982
relative Natural Colour (NC)	
lab*trj	0.389 0.909 -0.416
lab*tce	0.5 1.0 0.982
lab*nce	0.0 1.0 0.982

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.0 0.25 0.0 (0.0)
olv5*	1.0 1.0 1.0 (1.0)
olv6*	0.0 0.25 0.0 (0.0)
standard and adapted CIELAB	
LAB*Lab	76.07 0.0 0.0
LAB*Lab	76.07 0.0 0.0
LAB*Lab	76.07 0.0 0.0
relative CIELAB lab*	
lab*lab	1.0 0.0 0.0
lab*tch	0.75 0.0 0.0
lab*nch	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.75 0.0 0.0
lab*tce	0.75 0.0 0.0
lab*nce	0.0 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.5 0.75 (1.0)
olv4*	0.0 0.25 0.0 (0.0)
olv5*	1.0 0.75 1.0 (1.0)
olv6*	0.0 0.25 0.0 (0.0)
standard and adapted CIELAB	
LAB*Lab	66.39 16.76 -9.67
LAB*Lab	66.39 16.76 -9.67
LAB*Lab	66.39 16.76 -9.67
relative CIELAB lab*	
lab*lab	0.625 0.216 -0.124
lab*tch	0.875 0.25 0.917
lab*nch	0.0 0.25 0.917
relative Natural Colour (NC)	
lab*trj	0.625 0.18 -0.172
lab*tce	0.875 0.25 0.917
lab*nce	0.0 0.25 0.917

relative Inform. Technology (IT)	
olv3*	0.75 0.25 0.75 (1.0)
olv4*	0.0 0.25 0.0 (0.0)
olv5*	1.0 0.5 1.0 (1.0)
olv6*	0.0 0.25 0.0 (0.0)
standard and adapted CIELAB	
LAB*Lab	66.39 16.76 -9.67
LAB*Lab	66.39 16.76 -9.67
LAB*Lab	66.39 16.76 -9.67
relative CIELAB lab*	
lab*lab	0.625 0.216 -0.124
lab*tch	0.875 0.25 0.917
lab*nch	0.0 0.25 0.917
relative Natural Colour (NC)	
lab*trj	0.625 0.18 -0.172
lab*tce	0.875 0.25 0.917
lab*nce	0.0 0.25 0.917

relative Inform. Technology (IT)	
olv3*	0.75 0.0 0.75 (1.0)
olv4*	0.0 0.25 0.0 (0.0)
olv5*	1.0 0.0 1.0 (1.0)
olv6*	0.0 0.25 0.0 (0.0)
standard and adapted CIELAB	
LAB*Lab	66.39 16.76 -9.67
LAB*Lab	66.39 16.76 -9.67
LAB*Lab	66.39 16.76 -9.67
relative CIELAB lab*	
lab*lab	0.625 0.216 -0.124
lab*tch	0.875 0.25 0.917
lab*nch	0.0 0.25 0.917
relative Natural Colour (NC)	
lab*trj	0.625 0.18 -0.172
lab*tce	0.875 0.25 0.917
lab*nce	0.0 0.25 0.917

relative Inform. Technology (IT)	
olv3*	0.75 0.0 0.5 (1.0)
olv4*	0.0 0.25 0.0 (0.0)
olv5*	1.0 0.0 1.0 (1.0)
olv6*	0.0 0.25 0.0 (0.0)
standard and adapted CIELAB	
LAB*Lab	66.39 16.76 -9.67
LAB*Lab	66.39 16.76 -9.67
LAB*Lab	66.39 16.76 -9.67
relative CIELAB lab*	
lab*lab	0.625 0.216 -0.124
lab*tch	0.875 0.25 0.917
lab*nch	0.0 0.25 0.917
relative Natural Colour (NC)	
lab*trj	0.625 0.18 -0.172
lab*tce	0.875 0.25 0.917
lab*nce	0.0 0.25 0.917

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.0 0.25 0.0 (0.0)
olv5*	1.0 1.0 1.0 (1.0)
olv6*	0.0 0.25 0.0 (0.0)
standard and adapted CIELAB	
LAB*Lab	76.06 -0.61 3.44
LAB*Lab	76.06 -0.61 3.44
LAB*Lab	76.06 -0.61 3.44
relative CIELAB lab*	
lab*lab	1.0 0.0 0.0
lab*tch	0.75 0.0 0.0
lab*nch	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.75 0.0 0.0
lab*tce	0.75 0.0 0.0
lab*nce	0.0 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.5 0.75 (1.0)
olv4*	0.0 0.25 0.0 (0.0)
olv5*	1.0 0.75 1.0 (1.0)
olv6*	0.0 0.25 0.0 (0.0)
standard and adapted CIELAB	
LAB*Lab	64.24 18.43 0.56
LAB*Lab	64.24 18.43 0.56
LAB*Lab	64.24 18.43 0.56
relative CIELAB lab*	
lab*lab	0.597 0.227 -0.103
lab*tch	0.625 0.25 0.982
lab*nch	0.0 0.25 0.982
relative Natural Colour (NC)	
lab*trj	0.597 0.227 -0.103
lab*tce	0.625 0.25 0.982
lab*nce	0.0 0.25 0.982

relative Inform. Technology (IT)	
olv3*	0.75 0.25 0.75 (1.0)
olv4*	0.0 0.25 0.0 (0.0)
olv5*	1.0 0.5 1.0 (1.0)
olv6*	0.0 0.25 0.0 (0.0)
standard and adapted CIELAB	
LAB*Lab	52.42 37.64 -1.17
LAB*Lab	52.42 37.64 -1.17
LAB*Lab	52.42 37.64 -1.17
relative CIELAB lab*	
lab*lab	0.445 0.454 -0.208
lab*tch	0.5 0.5 0.982
lab*nch	0.0 0.5 0.982
relative Natural Colour (NC)	
lab*trj	0.445 0.454 -0.208
lab*tce	0.5 0.5 0.982
lab*nce	0.0 0.5 0.982

relative Inform. Technology (IT)	
olv3*	0.75 0.0 0.75 (1.0)
olv4*	0.0 0.25 0.0 (0.0)
olv5*	1.0 0.0 1.0 (1.0)
olv6*	0.0 0.25 0.0 (0.0)
standard and adapted CIELAB	
LAB*Lab	48.13 75.28 -8.36
LAB*Lab	48.13 75.28 -8.36
LAB*Lab	48.13 75.28 -8.36
relative CIELAB lab*	
lab*lab	0.389 0.994 -0.109
lab*tch	0.5 1.0 0.982
lab*nch	0.0 1.0 0.982
relative Natural Colour (NC)	
lab*trj	0.389 0.909 -0.416
lab*tce	0.5 1.0 0.982
lab*nce	0.0 1.0 0.982

relative Inform. Technology (IT)	
olv3*	0.5 0.5 0.5 (0.0)
olv4*	1.0 1.0 1.0 (1.0)
olv5*	0.5 0.5 0.5 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*Lab	56.72 0.0 0.0
LAB*Lab	56.72 0.0 0.0
LAB*Lab	56.72 0.0 0.0
relative CIELAB lab*	
lab*lab	1.0 0.0 0.0
lab*tch	0.5 0.0 0.0
lab*nch	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.5 0.0 0.0
lab*tce	0.5 0.0 0.0
lab*nce	0.0 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.5 0.25 0.5 (1.0)
olv4*	1.0 1.0 1.0 (1.0)
olv5*	0.5 0.25 0.5 (1.0)
olv6*	0.0 0.25 0.0 (0.0)
standard and adapted CIELAB	
LAB*Lab	56.72 0.0 0.0
LAB*Lab	56.72 0.0 0.0
LAB*Lab	56.72 0.0 0.0
relative CIELAB lab*	
lab*lab	0.625 0.216 -0.124
lab*tch	0.875 0.25 0.917
lab*nch	0.0 0.25 0.917
relative Natural Colour (NC)	
lab*trj	0.625 0.18 -0.172
lab*tce	0.875 0.25 0.917
lab*nce	0.0 0.25 0.917

relative Inform. Technology (IT)	
olv3*	0.5 0.0 0.5 (1.0)
olv4*	1.0 1.0 1.0 (1.0)
olv5*	0.5 0.0 0.5 (1.0)
olv6*	0.0 0.25 0.0 (0.0)
standard and adapted CIELAB	
LAB*Lab	56.71 33.52 -19.34
LAB*Lab	56.71 33.52 -19.34
LAB*Lab	56.71 33.52 -19.34
relative CIELAB lab*	
lab*lab	0.625 0.216 -0.124
lab*tch	0.875 0.25 0.917
lab*nch	0.0 0.25 0.917
relative Natural Colour (NC)	
lab*trj	0.625 0.18 -0.172
lab*tce	0.875 0.25 0.917
lab*nce	0.0 0.25 0.917

relative Inform. Technology (IT)	
olv3*	0.75 0.0 0.75 (1.0)
olv4*	0.0 0.25 0.0 (0.0)
olv5*	1.0 0.5 1.0 (1.0)
olv6*	0.0 0.25 0.0 (0.0)
standard and adapted CIELAB	
LAB*Lab	56.71 33.52 -19.34
LAB*Lab	56.71 33.52 -19.34
LAB*Lab	56.71 33.52 -19.34
relative CIELAB lab	

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Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 164/360 = 0.457$

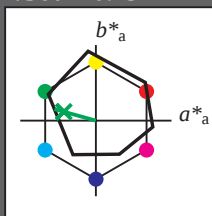
$lab \cdot tch$ and $lab \cdot nch$

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	-0.98	47.5	
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	99.99	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
olv3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	(1.0)
olv4*	0.25	0.0	0.188	(0.0)
olv5*	0.75	1.0	0.812	(1.0)
olv5*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.75	-14.48	7.85	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	87.5	-14.22	16.46	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
olv3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	(1.0)
olv4*	0.25	0.0	0.188	(0.0)
olv5*	0.75	1.0	0.812	(1.0)
olv5*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.75	-14.48	7.85	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	87.5	-14.22	16.46	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
olv3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	(1.0)
olv4*	0.25	0.0	0.188	(0.0)
olv5*	0.75	1.0	0.812	(1.0)
olv5*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.75	-14.48	7.85	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	87.5	-14.22	16.46	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
olv3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	(1.0)
olv4*	0.25	0.0	0.188	(0.0)
olv5*	0.75	1.0	0.812	(1.0)
olv5*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.75	-14.48	7.85	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	87.5	-14.22	16.46	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
olv3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	(1.0)
olv4*	0.25	0.0	0.188	(0.0)
olv5*	0.75	1.0	0.812	(1.0)
olv5*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.75	-14.48	7.85	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	87.5	-14.22	16.46	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
olv3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	(1.0)
olv4*	0.25	0.0	0.188	(0.0)
olv5*	0.75	1.0	0.812	(1.0)
olv5*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.75	-14.48	7.85	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	87.5	-14.22	16.46	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
olv3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	(1.0)
olv4*	0.25	0.0	0.188	(0.0)
olv5*	0.75	1.0	0.812	(1.0)
olv5*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.75	-14.48	7.85	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	87.5	-14.22	16.46	

relative Inform. Technology (IT)

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ORS18; adapted (a) CIELAB data

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

%Regularity

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

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

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab \cdot h = 162/360 = 0.451$

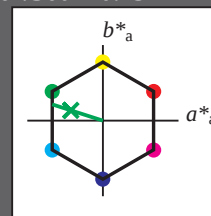
$lab \cdot tch$ and $lab \cdot nch$

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	99.99	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.806	(1.0)
olv3*	0.25	0.0	0.194	(0.0)
olv4*	0.75	1.0	0.806	(1.0)
olv4*	0.25	0.0	0.194	(0.0)
olv5*	0.75	1.0	0.806	(1.0)
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standard and adapted CIELAB				
LAB*LAB	85.73	-16.74	5.37	
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