

Input: Colorimetric Offset Reflective System ORS18

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

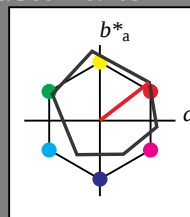
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	95.41	-0.98	47.5	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	0.0	

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

standard and adapted CIELAB

LAB*LAB	83.54	15.58	16.58
LAB*LABa	83.54	16.34	12.63
LAB*LABb	97.5	20.65	37.69

relative CIELAB lab*

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

standard and adapted CIELAB

LAB*LAB	71.67	32.69	25.25
LAB*LABa	71.67	32.69	25.25
LAB*LABb	75.0	41.31	37.69

relative CIELAB lab*

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

standard and adapted CIELAB

LAB*LAB	59.8	48.73	40.24
LAB*LABa	59.8	49.03	37.88
LAB*LABb	62.5	61.96	37.69

relative CIELAB lab*

lab*lab	0.593	0.458	0.458
lab*tch	0.625	0.75	0.105
lab*nch	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LABa	47.94	65.37	50.51
LAB*LABb	50.0	82.61	37.69

relative CIELAB lab*

lab*lab	0.387	0.791	0.611
lab*tch	0.5	1.0	0.105
lab*nch	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	37.51	61.96	37.69
LAB*LABa	37.51	61.96	37.69
LAB*LABb	40.46	49.03	37.88

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	76.06	-0.61	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	75.0	0.01	0.0	

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

standard and adapted CIELAB

LAB*LAB	64.19	15.96	15.28
LAB*LABa	64.19	16.35	12.63
LAB*LABb	62.5	20.66	37.69

relative CIELAB lab*

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

standard and adapted CIELAB

LAB*LAB	52.33	32.53	27.11
LAB*LABa	52.33	32.69	25.26
LAB*LABb	50.0	41.31	37.69

relative CIELAB lab*

lab*lab	0.54	0.716	0.224
lab*tch	0.625	0.75	0.105
lab*nch	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LABa	47.94	65.37	50.51
LAB*LABb	50.0	82.61	37.69

relative CIELAB lab*

lab*lab	0.387	0.791	0.611
lab*tch	0.5	1.0	0.105
lab*nch	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	37.51	61.96	37.69
LAB*LABa	37.51	61.96	37.69
LAB*LABb	40.46	49.03	37.88

relative CIELAB lab*

lab*lab	0.387	0.791	0.611
lab*tch	0.5	1.0	0.105
lab*nch	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	37.51	61.96	37.69
LAB*LABa	37.51	61.96	37.69
LAB*LABb	40.46	49.03	37.88

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.71	-0.24	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*LABb	55.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.3	0.0	0.0
lab*tch	0.3	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.3	0.0	0.0
lab*tch	0.3	0.0	0.0
lab*nch	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	44.46	16.33	13.97
LAB*LABa	44.46	16.34	12.63
LAB*LABb	42.5	20.66	37.69

relative CIELAB lab*

lab*lab	0.347	0.198	0.153
lab*tch	0.375	0.25	0.105
lab*nch	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	32.98	32.69	25.25
LAB*LABa	32.98	32.69	25.25
LAB*LABb	30.0	41.31	37.69

relative CIELAB lab*

lab*lab	0.29	0.593	0.458
lab*tch	0.375	0.75	0.105
lab*nch	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.0	0.0	0.0

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

standard and adapted CIELAB

LAB*LAB	25.26	38.45	32.27
LAB*LABa	25.26	38.45	32.27
LAB*LABb	25.0	50.2	40.0

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

standard and adapted CIELAB

LAB*LAB	25.26	38.45	32.27
LAB*LABa	25.26	38.45	32.27
LAB*LABb	25.0	50.2	40.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	0.03	0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*LABb	0.01	0.01	0.0	

relative CIELAB lab*

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

standard and adapted CIELAB

LAB*LAB	18.02	0.03	0.47
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.01	0.0

relative CIELAB lab*

lab*lab	0.097	0.198	0.153
lab*tch	0.125	0.25	0.105
lab*nch	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

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

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

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

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

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

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	0.03	0.47	
LAB*LABa	18.02	0.0	0.0	
LAB*LABb	0.01	0.01	0.0	

relative CIELAB lab*

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

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

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

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

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

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

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

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

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

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

OE500-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

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

BAM-test chart OE50; Colorimetric systems ORS18 & TLS00

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

input: $cmv0^* setcmvcolor$

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

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

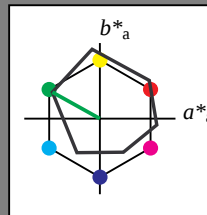
lab^*tch and lab^*nch

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*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.0	0.0	0.0
olv6*	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	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.0	0.0	0.0
olv6*	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	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.0	0.0	0.0
olv6*	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	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.0	0.0	0.0
olv6*	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	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.0	0.0	0.0
olv6*	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	95.41	0.0	0.0

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

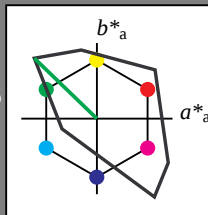
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	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

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

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

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.0	0.0	0.0
olv6*	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	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.0	0.0	0.0
olv6*	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	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.0	0.0	0.0
olv6*	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	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.0	0.0	0.0
olv6*	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	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.0	0.0	0.0
olv6*	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	95.41	0.0	0.0

OE500-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

5 step scales for constant CIELAB hue 136/360 = 0.378 (right)

BAM-test chart OE50; Colorimetric systems ORS18 & TLS00

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

input: $cmv0^* setcmvcolor$

output: no change compared to input

www.ps.bam.de/OE50/10L/L50E03NP.PS/.PDF; start output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

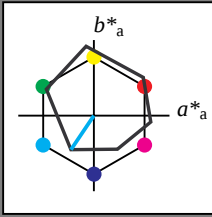
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

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*	0.75	0.75	0.75	1.0	1.0	1.0
olv4*	0.75	0.75	0.75	1.0	1.0	1.0
olv5*	0.75	0.75	0.75	1.0	1.0	1.0
olv6*	0.75	0.75	0.75	1.0	1.0	1.0
olv7*	0.75	0.75	0.75	1.0	1.0	1.0
olv8*	0.75	0.75	0.75	1.0	1.0	1.0
olv9*	0.75	0.75	0.75	1.0	1.0	1.0
olv10*	0.75	0.75	0.75	1.0	1.0	1.0
olv11*	0.75	0.75	0.75	1.0	1.0	1.0
olv12*	0.75	0.75	0.75	1.0	1.0	1.0
olv13*	0.75	0.75	0.75	1.0	1.0	1.0
olv14*	0.75	0.75	0.75	1.0	1.0	1.0
olv15*	0.75	0.75	0.75	1.0	1.0	1.0
olv16*	0.75	0.75	0.75	1.0	1.0	1.0
olv17*	0.75	0.75	0.75	1.0	1.0	1.0
olv18*	0.75	0.75	0.75	1.0	1.0	1.0
olv19*	0.75	0.75	0.75	1.0	1.0	1.0
olv20*	0.75	0.75	0.75	1.0	1.0	1.0
olv21*	0.75	0.75	0.75	1.0	1.0	1.0
olv22*	0.75	0.75	0.75	1.0	1.0	1.0
olv23*	0.75	0.75	0.75	1.0	1.0	1.0
olv24*	0.75	0.75	0.75	1.0	1.0	1.0
olv25*	0.75	0.75	0.75	1.0	1.0	1.0
olv26*	0.75	0.75	0.75	1.0	1.0	1.0
olv27*	0.75	0.75	0.75	1.0	1.0	1.0
olv28*	0.75	0.75	0.75	1.0	1.0	1.0
olv29*	0.75	0.75	0.75	1.0	1.0	1.0
olv30*	0.75	0.75	0.75	1.0	1.0	1.0
olv31*	0.75	0.75	0.75	1.0	1.0	1.0
olv32*	0.75	0.75	0.75	1.0	1.0	1.0
olv33*	0.75	0.75	0.75	1.0	1.0	1.0
olv34*	0.75	0.75	0.75	1.0	1.0	1.0
olv35*	0.75	0.75	0.75	1.0	1.0	1.0
olv36*	0.75	0.75	0.75	1.0	1.0	1.0
olv37*	0.75	0.75	0.75	1.0	1.0	1.0
olv38*	0.75	0.75	0.75	1.0	1.0	1.0
olv39*	0.75	0.75	0.75	1.0	1.0	1.0
olv40*	0.75	0.75	0.75	1.0	1.0	1.0
olv41*	0.75	0.75	0.75	1.0	1.0	1.0
olv42*	0.75	0.75	0.75	1.0	1.0	1.0
olv43*	0.75	0.75	0.75	1.0	1.0	1.0
olv44*	0.75	0.75	0.75	1.0	1.0	1.0
olv45*	0.75	0.75	0.75	1.0	1.0	1.0
olv46*	0.75	0.75	0.75	1.0	1.0	1.0
olv47*	0.75	0.75	0.75	1.0	1.0	1.0
olv48*	0.75	0.75	0.75	1.0	1.0	1.0
olv49*	0.75	0.75	0.75	1.0	1.0	1.0
olv50*	0.75	0.75	0.75	1.0	1.0	1.0
olv51*	0.75	0.75	0.75	1.0	1.0	1.0
olv52*	0.75	0.75	0.75	1.0	1.0	1.0
olv53*	0.75	0.75	0.75	1.0	1.0	1.0
olv54*	0.75	0.75	0.75	1.0	1.0	1.0
olv55*	0.75	0.75	0.75	1.0	1.0	1.0
olv56*	0.75	0.75	0.75	1.0	1.0	1.0
olv57*	0.75	0.75	0.75	1.0	1.0	1.0
olv58*	0.75	0.75	0.75	1.0	1.0	1.0
olv59*	0.75	0.75	0.75	1.0	1.0	1.0
olv60*	0.75	0.75	0.75	1.0	1.0	1.0
olv61*	0.75	0.75	0.75	1.0	1.0	1.0
olv62*	0.75	0.75	0.75	1.0	1.0	1.0
olv63*	0.75	0.75	0.75	1.0	1.0	1.0
olv64*	0.75	0.75	0.75	1.0	1.0	1.0
olv65*	0.75	0.75	0.75	1.0	1.0	1.0
olv66*	0.75	0.75	0.75	1.0	1.0	1.0
olv67*	0.75	0.75	0.75	1.0	1.0	1.0
olv68*	0.75	0.75	0.75	1.0	1.0	1.0
olv69*	0.75	0.75	0.75	1.0	1.0	1.0
olv70*	0.75	0.75	0.75	1.0	1.0	1.0
olv71*	0.75	0.75	0.75	1.0	1.0	1.0
olv72*	0.75	0.75	0.75	1.0	1.0	1.0
olv73*	0.75	0.75	0.75	1.0	1.0	1.0
olv74*	0.75	0.75	0.75	1.0	1.0	1.0
olv75*	0.75	0.75	0.75	1.0	1.0	1.0
olv76*	0.75	0.75	0.75	1.0	1.0	1.0
olv77*	0.75	0.75	0.75	1.0	1.0	1.0
olv78*	0.75	0.75	0.75	1.0	1.0	1.0
olv79*	0.75	0.75	0.75	1.0	1.0	1.0
olv80*	0.75	0.75	0.75	1.0	1.0	1.0
olv81*	0.75	0.75	0.75	1.0	1.0	1.0
olv82*	0.75	0.75	0.75	1.0	1.0	1.0
olv83*	0.75	0.75	0.75	1.0	1.0	1.0
olv84*	0.75	0.75	0.75	1.0	1.0	1.0
olv85*	0.75	0.75	0.75	1.0	1.0	1.0
olv86*	0.75	0.75	0.75	1.0	1.0	1.0
olv87*	0.75	0.75	0.75	1.0	1.0	1.0
olv88*	0.75	0.75	0.75	1.0	1.0	1.0
olv89*	0.75	0.75	0.75	1.0	1.0	1.0
olv90*	0.75	0.75	0.75	1.0	1.0	1.0
olv91*	0.75	0.75	0.75	1.0	1.0	1.0
olv92*	0.75	0.75	0.75	1.0	1.0	1.0
olv93*	0.75	0.75	0.75	1.0	1.0	1.0
olv94*	0.75	0.75	0.75	1.0	1.0	1.0
olv95*	0.75	0.75	0.75	1.0	1.0	1.0
olv96*	0.75	0.75	0.75	1.0	1.0	1.0
olv97*	0.75	0.75	0.75	1.0	1.0	1.0
olv98*	0.75	0.75	0.75	1.0	1.0	1.0
olv99*	0.75	0.75	0.75	1.0	1.0	1.0
olv100*	0.75	0.75	0.75	1.0	1.0	1.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0	1.0
olv4*	0.75	0.75	0.75	1.0	1.0	1.0
olv5*	0.75	0.75	0.75	1.0	1.0	1.0
olv6*	0.75	0.75	0.75	1.0	1.0	1.0
olv7*	0.75	0.75	0.75	1.0	1.0	1.0
olv8*	0.75	0.75	0.75	1.0	1.0	1.0
olv9*	0.75	0.75	0.75	1.0	1.0	1.0
olv10*	0.75	0.75	0.75	1.0	1.0	1.0
olv11*	0.75	0.75	0.75	1.0	1.0	1.0
olv12*	0.75	0.75	0.75	1.0	1.0	1.0
olv13*	0.75	0.75	0.75	1.0	1.0	1.0
olv14*	0.75	0.75	0.75	1.0	1.0	1.0
olv15*	0.75	0.75	0.75	1.0	1.0	1.0
olv16*	0.75	0.75	0.75	1.0	1.0	1.0
olv17*	0.75	0.75	0.75	1.0	1.0	1.0
olv18*	0.75	0.75	0.75	1.0	1.0	1.0
olv19*	0.75	0.75	0.75	1.0	1.0	1.0
olv20*	0.75	0.75	0.75	1.0	1.0	1.0
olv21*	0.75	0.75	0.75	1.0	1.0	1.0
olv22*	0.75	0.75	0.75	1.0	1.0	1.0
olv23*	0.75	0.75	0.75	1.0	1.0	1.0
olv24*	0.75	0.75	0.75	1.0	1.0	1.0
olv25*	0.75	0.75	0.75	1.0	1.0	1.0
olv26*	0.75	0.75	0.75	1.0	1.0	1.0
olv27*	0.75	0.75	0.75	1.0	1.0	1.0
olv28*	0.75	0.75	0.75	1.0	1.0	1.0
olv29*	0.75	0.75	0.75	1.0	1.0	1.0
olv30*	0.75	0.75	0.75	1.0	1.0	1.0
olv31*	0.75	0.75	0.75	1.0	1.0	1.0
olv32*	0.75	0.75	0.75	1.0	1.0	1.0
olv33*	0.75	0.75	0.75	1.0	1.0	1.0
olv34*	0.75	0.75	0.75	1.0	1.0	1.0
olv35*	0.75	0.75	0.75	1.0	1.0	1.0
olv36*	0.75	0.75	0.75	1.0	1.0	1.0
olv37*	0.75	0.75	0.75	1.0	1.0	1.0
olv38*	0.75	0.75	0.75	1.0	1.0	1.0
olv39*	0.75	0.75	0.75	1.0	1.0	1.0
olv40*	0.75	0.75	0.75	1.0	1.0	1.0
olv41*	0.75	0.75	0.75	1.0	1.0	1.0
olv42*	0.75	0.75	0.75	1.0	1.0	1.0
olv43*	0.75	0.75	0.75	1.0	1.0	1.0
olv44*	0.75	0.75	0.75	1.0	1.0	1.0
olv45*	0.75	0.75	0.75	1.0	1.0	1.0
olv46*	0.75	0.75	0.75	1.0	1.0	1.0
olv47*	0.75	0.75	0.75	1.0	1.0	1.0
olv48*	0.75	0.75	0.75	1.0	1.0	1.0
olv49*	0.75	0.75	0.75	1.0	1.0	1.0
olv50*	0.75	0.75	0.75	1.0	1.0	1.0
olv51*	0.75	0.75	0.75	1.0	1.0	1.0
olv52*	0.75	0.75	0.75	1.0	1.0	1.0
olv53*	0.75	0.75	0.75	1.0	1.0	1.0
olv54*	0.75	0.75	0.75	1.0	1.0	1.0
olv55*	0.75	0.75	0.75	1.0	1.0	1.0
olv56*	0.75	0.75	0.75	1.0	1.0	1.0
olv57*	0.75	0.75	0.75	1.0	1.0	1.0
olv58*	0.75	0.75	0.75	1.0	1.0	1.0
olv59*	0.75	0.75	0.75	1.0	1.0	1.0
olv60*	0.75	0.75	0.75	1.0	1.0	1.0
olv61*	0.75	0.75	0.75	1.0	1.0	1.0
olv62*	0.75	0.75	0.75	1.0	1.0	1.0
olv63*	0.75	0.75	0.75	1.0	1.0	1.0
olv64*	0.75	0.75	0.75	1.0	1.0	1.0
olv65*	0.75	0.75	0.75	1.0	1.0	1.0
olv66*	0.75	0.75	0.75	1.0	1.0	1.0

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

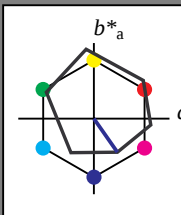
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

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	1.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
olv6*	0.0	0.0	0.0	(0.0)
olv7*	0.0	0.0	0.0	(0.0)
olv8*	0.0	0.0	0.0	(0.0)
olv9*	0.0	0.0	0.0	(0.0)
olv10*	0.0	0.0	0.0	(0.0)
olv11*	0.0	0.0	0.0	(0.0)
olv12*	0.0	0.0	0.0	(0.0)
olv13*	0.0	0.0	0.0	(0.0)
olv14*	0.0	0.0	0.0	(0.0)
olv15*	0.0	0.0	0.0	(0.0)
olv16*	0.0	0.0	0.0	(0.0)
olv17*	0.0	0.0	0.0	(0.0)
olv18*	0.0	0.0	0.0	(0.0)
olv19*	0.0	0.0	0.0	(0.0)
olv20*	0.0	0.0	0.0	(0.0)
olv21*	0.0	0.0	0.0	(0.0)
olv22*	0.0	0.0	0.0	(0.0)
olv23*	0.0	0.0	0.0	(0.0)
olv24*	0.0	0.0	0.0	(0.0)
olv25*	0.0	0.0	0.0	(0.0)
olv26*	0.0	0.0	0.0	(0.0)
olv27*	0.0	0.0	0.0	(0.0)
olv28*	0.0	0.0	0.0	(0.0)
olv29*	0.0	0.0	0.0	(0.0)
olv30*	0.0	0.0	0.0	(0.0)
olv31*	0.0	0.0	0.0	(0.0)
olv32*	0.0	0.0	0.0	(0.0)
olv33*	0.0	0.0	0.0	(0.0)
olv34*	0.0	0.0	0.0	(0.0)
olv35*	0.0	0.0	0.0	(0.0)
olv36*	0.0	0.0	0.0	(0.0)
olv37*	0.0	0.0	0.0	(0.0)
olv38*	0.0	0.0	0.0	(0.0)
olv39*	0.0	0.0	0.0	(0.0)
olv40*	0.0	0.0	0.0	(0.0)
olv41*	0.0	0.0	0.0	(0.0)
olv42*	0.0	0.0	0.0	(0.0)
olv43*	0.0	0.0	0.0	(0.0)
olv44*	0.0	0.0	0.0	(0.0)
olv45*	0.0	0.0	0.0	(0.0)
olv46*	0.0	0.0	0.0	(0.0)
olv47*	0.0	0.0	0.0	(0.0)
olv48*	0.0	0.0	0.0	(0.0)
olv49*	0.0	0.0	0.0	(0.0)
olv50*	0.0	0.0	0.0	(0.0)
olv51*	0.0	0.0	0.0	(0.0)
olv52*	0.0	0.0	0.0	(0.0)
olv53*	0.0	0.0	0.0	(0.0)
olv54*	0.0	0.0	0.0	(0.0)
olv55*	0.0	0.0	0.0	(0.0)
olv56*	0.0	0.0	0.0	(0.0)
olv57*	0.0	0.0	0.0	(0.0)
olv58*	0.0	0.0	0.0	(0.0)
olv59*	0.0	0.0	0.0	(0.0)
olv60*	0.0	0.0	0.0	(0.0)
olv61*	0.0	0.0	0.0	(0.0)
olv62*	0.0	0.0	0.0	(0.0)
olv63*	0.0	0.0	0.0	(0.0)
olv64*	0.0	0.0	0.0	(0.0)
olv65*	0.0	0.0	0.0	(0.0)
olv66*	0.0	0.0	0.0	(0.0)
olv67*	0.0	0.0	0.0	(0.0)
olv68*	0.0	0.0	0.0	(0.0)
olv69*	0.0	0.0	0.0	(0.0)
olv70*	0.0	0.0	0.0	(0.0)
olv71*	0.0	0.0	0.0	(0.0)
olv72*	0.0	0.0	0.0	(0.0)
olv73*	0.0	0.0	0.0	(0.0)
olv74*	0.0	0.0	0.0	(0.0)
olv75*	0.0	0.0	0.0	(0.0)
olv76*	0.0	0.0	0.0	(0.0)
olv77*	0.0	0.0	0.0	(0.0)
olv78*	0.0	0.0	0.0	(0.0)
olv79*	0.0	0.0	0.0	(0.0)
olv80*	0.0	0.0	0.0	(0.0)
olv81*	0.0	0.0	0.0	(0.0)
olv82*	0.0	0.0	0.0	(0.0)
olv83*	0.0	0.0	0.0	(0.0)
olv84*	0.0	0.0	0.0	(0.0)
olv85*	0.0	0.0	0.0	(0.0)
olv86*	0.0	0.0	0.0	(0.0)
olv87*	0.0	0.0	0.0	(0.0)
olv88*	0.0	0.0	0.0	(0.0)
olv89*	0.0	0.0	0.0	(0.0)
olv90*	0.0	0.0	0.0	(0.0)
olv91*	0.0	0.0	0.0	(0.0)
olv92*	0.0	0.0	0.0	(0.0)
olv93*	0.0	0.0	0.0	(0.0)
olv94*	0.0	0.0	0.0	(0.0)
olv95*	0.0	0.0	0.0	(0.0)
olv96*	0.0	0.0	0.0	(0.0)
olv97*	0.0	0.0	0.0	(0.0)
olv98*	0.0	0.0	0.0	(0.0)
olv99*	0.0	0.0	0.0	(0.0)
olv100*	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.75	0.75	0.75	(1.0)
olv5*	0.75	0.75	0.75	(1.0)
olv6*	0.75	0.75	0.75	(1.0)
olv7*	0.75	0.75	0.75	(1.0)
olv8*	0.75	0.75	0.75	(1.0)
olv9*	0.75	0.75	0.75	(1.0)
olv10*	0.75	0.75	0.75	(1.0)
olv11*	0.75	0.75	0.75	(1.0)
olv12*	0.75	0.75	0.75	(1.0)
olv13*	0.75	0.75	0.75	(1.0)
olv14*	0.75	0.75	0.75	(1.0)
olv15*	0.75	0.75	0.75	(1.0)
olv16*	0.75	0.75	0.75	(1.0)
olv17*	0.75	0.75	0.75	(1.0)
olv18*	0.75	0.75	0.75	(1.0)
olv19*	0.75	0.75	0.75	(1.0)
olv20*	0.75	0.75	0.75	(1.0)
olv21*	0.75	0.75	0.75	(1.0)
olv22*	0.75	0.75	0.75	(1.0)
olv23*	0.75	0.75	0.75	(1.0)
olv24*	0.75	0.75	0.75	(1.0)
olv25*	0.75	0.75	0.75	(1.0)
olv26*	0.75	0.75	0.75	(1.0)
olv27*	0.75	0.75	0.75	(1.0)
olv28*	0.75	0.75	0.75	(1.0)
olv29*	0.75	0.75	0.75	(1.0)
olv30*	0.75	0.75	0.75	(1.0)
olv31*	0.75	0.75	0.75	(1.0)
olv32*	0.75	0.75	0.75	(1.0)
olv33*	0.75	0.75	0.75	(1.0)
olv34*	0.75	0.75	0.75	(1.0)
olv35*	0.75	0.75	0.75	(1.0)
olv36*	0.75	0.75	0.75	(1.0)
olv37*	0.75	0.75	0.75	(1.0)
olv38*	0.75	0.75	0.75	(1.0)
olv39*	0.75	0.75	0.75	(1.0)
olv40*	0.75	0.75	0.75	(1.0)
olv41*	0.75	0.75	0.75	(1.0)
olv42*	0.75	0.75	0.75	(1.0)
olv43*	0.75	0.75	0.75	(1.0)
olv44*	0.75	0.75	0.75	(1.0)
olv45*	0.75	0.75	0.75	(1.0)
olv46*	0.75	0.75	0.75	(1.0)
olv47*	0.75	0.75	0.75	(1.0)
olv48*	0.75	0.75	0.75	(1.0)
olv49*	0.75	0.75	0.75	(1.0)
olv50*	0.75	0.75	0.75	(1.0)
olv51*	0.75	0.75	0.75	(1.0)
olv52*	0.75	0.75	0.75	(1.0)
olv53*	0.75	0.75	0.75	(1.0)
olv54*	0.75	0.75	0.75	(1.0)
olv55*	0.75	0.75	0.75	(1.0)
olv56*	0.75	0.75	0.75	(1.0)
olv57*	0.75	0.75	0.75	(1.0)
olv58*	0.75	0.75	0.75	(1.0)
olv59*	0.75	0.75	0.75	(1.0)
olv60*	0.75	0.75	0.75	(1.0)
olv61*	0.75	0.75	0.75	(1.0)
olv62*	0.75	0.75	0.75	(1.0)
olv63*	0.75	0.75	0.75	(1.0)
olv64*	0.75	0.75	0.75	(1.0)
olv65*	0.75	0.75	0.75	(1.0)
olv66*	0.75	0.75	0.75	(1.0)
olv67*	0.75	0.75	0.75	(1.0)
olv68*	0.75	0.75	0.75	(1.0)
olv69*	0.75	0.75	0.75	(1.0)
olv70*	0.75	0.75	0.75	(1.0)
olv71*	0.75	0.75	0.75	(1.0)
olv72*	0.75	0.75	0.75	(1.0)
olv73*	0.75	0.75	0.75	(1.0)
olv74*	0.75	0.75	0.75	(1.0)
olv75*	0.75	0.75	0.75	(1.0)
olv76*	0.75	0.75	0.75	(1.0)
olv77*	0.75	0.75	0.75	(1.0)
olv78*	0.75	0.75	0.75	(1.0)
olv79*	0.75	0.75	0.75	(1.0)
olv80*	0.75	0.75	0.75	(1.0)
olv81*	0.75	0.75	0.75	(1.0)
olv82*	0.75	0.75	0.75	(1.0)
olv83*	0.75	0.75	0.75	(1.0)
olv84*	0.75	0.75	0.75	(1.0)
olv85*	0.75	0.75	0.75	(1.0)
olv86*	0.75	0.75	0.75	(1.0)
olv87*	0.75	0.75	0.75	(1.0)
olv88*	0.75	0.75	0.75	(1.0)
olv89*	0.75	0.75	0.75	(1.0)
olv90*	0.75	0.75	0.75	(1.0)
olv91*	0.75	0.75	0.75	(1.0)
olv92*	0.75	0.75	0.75	(1.0)
olv93*	0.75	0.75	0.75	(1.0)
olv94*	0.75	0.75	0.75	(1.0)
olv95*	0.75	0.75	0.75	(1.0)
olv96*	0.75	0.75	0.75	(1.0)
olv97*	0.75	0.75	0.75	(1.0)
olv98*	0.75	0.75	0.75	(1.0)
olv99*	0.75	0.75	0.75	(1.0)
olv100*	0.75	0.75	0.75	(1.0)

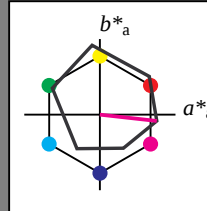
relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.75	0.75	0.75	(1.0)
olv5*	0.75	0.75	0.75	(1.0)
olv6*	0.75	0.75	0.75	(1.0)
olv7*	0.75	0.75	0.75	(1.0)
olv8*	0.75	0.75	0.75	(1.0)
olv9*	0.75	0.75	0.75	(1.0)
olv10*	0.75	0.75	0.75	(1.0)
olv11*	0.75	0.75	0.75	(1.0)
olv12*	0.75	0.75	0.75	(1.0)
olv13*	0.75	0.75	0.75	(1.0)
olv14*	0.75	0.75	0.75	(1.0)
olv15*	0.75	0.75	0.75	(1.0)
olv16*	0.75	0.75	0.75	(1.0)
olv17*	0.75	0.75	0.75	(1.0)
olv18*	0.75	0.75	0.75	(1.0)
olv19*	0.75	0.75	0.75	(1.0)
olv20*	0.75	0.75	0.75	(1.0)
olv21*	0.75	0.75	0.75	(1.0)
olv22*	0.75	0.75	0.75	(1.0)
olv23*	0.75	0.75	0.75	(1.0)
olv24*	0.75	0.75	0.75	(1.0)
olv25*	0.75	0.75	0.75	(1.0)
olv26*	0.75	0.75	0.75	(1.0)
olv27*	0.75	0.75	0.75	(1.0)
olv28*	0.75	0.75	0.75	(1.0)
olv29*	0.75	0.75	0.75	(1.0)
olv30*	0.75	0.75	0.75	(1.0)
olv31*	0.75	0.75	0.75	(1.0)
olv32*	0.75	0.75	0.75	(1.0)
olv33*	0.75	0.75	0.75	(1.0)
olv34*	0.75	0.75	0.75	(1.0)
olv35*	0.75	0.75	0.75	(1.0)
olv36*	0.75	0.75	0.75	(1.0)
olv37*	0.75	0.75	0.75	(1.0)</

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^*



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	(1.0)
cmv3*	0.0	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	1.0	(1.0)
cmv4*	0.0	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*TCha	99.99	0.01	0.0		

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

relative Inform. Technology (IT)					
olv3*	0.75	0.75	0.75	0.75	(1.0)
cmv3*	0.25	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	76.06	-0.61	3.44		
LAB*Lab	76.06	0.0	0.0		
LAB*TCha	75.0	0.01	0.0		

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

relative Inform. Technology (IT)					
olv3*	0.75	0.75	0.75	0.75	(1.0)
cmv3*	0.25	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	56.71	-0.24	2.14		
LAB*Lab	56.71	0.0	0.0		
LAB*TCha	50.0	0.01	0.0		

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

relative Inform. Technology (IT)					
olv3*	0.25	0.25	0.25	0.25	(1.0)
cmv3*	0.75	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	37.36	0.03	0.63		
LAB*Lab	37.36	0.0	0.0		
LAB*TCha	25.0	0.01	0.0		

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

relative Inform. Technology (IT)					
olv3*	0.25	0.25	0.25	0.25	(1.0)
cmv3*	0.75	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	33.07	37.84	-0.32		
LAB*Lab	33.07	37.84	0.0		
LAB*TCha	25.01	37.86	353.66		

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

relative Inform. Technology (IT)					
olv3*	0.25	0.25	0.25	0.25	(1.0)
cmv3*	0.75	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	25.54	19.17	2.04		
LAB*Lab	25.54	19.17	2.04		
LAB*TCha	12.5	18.93	353.66		

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

relative Inform. Technology (IT)					
olv3*	0.0	0.0	0.0	0.0	(1.0)
cmv3*	1.0	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	18.02	0.03	0.47		
LAB*Lab	18.02	0.0	0.0		
LAB*TCha	0.01	0.01	0.0		

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

relative Inform. Technology (IT)					
olv3*	0.0	0.0	0.0	0.0	(1.0)
cmv3*	1.0	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	18.02	0.03	0.47		
LAB*Lab	18.02	0.0	0.0		
LAB*TCha	0.01	0.01	0.0		

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

relative Inform. Technology (IT)					
olv3*	0.0	0.0	0.0	0.0	(1.0)
cmv3*	1.0	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	18.02	0.03	0.47		
LAB*Lab	18.02	0.0	0.0		
LAB*TCha	0.01	0.01	0.0		

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

OE500-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

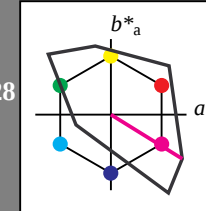
BAM-test chart OE50; Colorimetric systems ORS18 & TLS00

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

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$
 lab^*tch and lab^*nch

D65: hue M
LCH*Ma: 57 111 328
olv*Ma: 1.0 0.0 1.0
triangle lightness t^*



TLS00; adapted (a) CIELAB data					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	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

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

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

relative Inform. Technology (IT)					
olv3*	1.0	1.0	1.0	1.0	(1.0)
cmv3*	0.0	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	1.0	(1.0)
cmv4*	0.0	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*TCha	99.99	0.01	0.0		

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

relative Inform. Technology (IT)					
olv3*	0.75	0.75	0.75	0.75	(1.0)
cmv3*	0.25	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	71.57	0.0	0.0		
LAB*Lab	71.57	0.0	0.0		
LAB*TCha	75.0	0.01	0.0		

relative CIELAB lab*	
----------------------	--

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

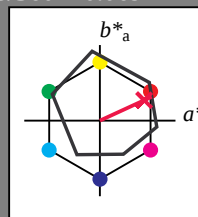
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

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

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

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

1.00

0.75

$n^* = 0.00$

0.25

$n^* = 0.25$

$n^* = 0.50$

0.25

0.50

0.75

1.00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$

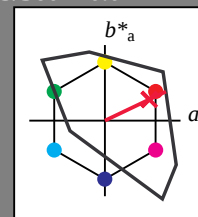
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	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

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

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

1.00

0.75

$n^* = 0.00$

0.25

$n^* = 0.25$

$n^* = 0.50$

0.25

0.50

0.75

1.00

chromaticness c^*

OE500-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

BAM-test chart OE50; Colorimetric systems ORS18 & TLS00

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

input: $cmY0^* set cmykcolor$

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

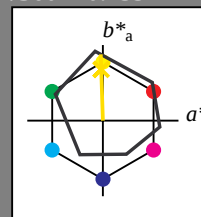
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	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*LAB	95.41	0.0	0.0
LAB*LAB	95.41	0.0	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.975	0.75	(1.0)
cmyn3*	0.0	0.025	0.25	(0.0)
olvi4*	1.0	0.975	0.75	1.0
cmyn4*	0.0	0.025	0.25	0.0

standard and adapted CIELAB

LAB*LAB	93.11	-1.64	26.52
LAB*LAB	93.11	-0.7	21.92
LAB*LAB	93.11	-0.7	21.92

relative Inform. Technology (IT)

olvi3*	1.0	0.975	0.75	(1.0)
cmyn3*	0.0	0.025	0.25	(0.0)
olvi4*	1.0	0.975	0.75	1.0
cmyn4*	0.0	0.025	0.25	0.0

standard and adapted CIELAB

LAB*LAB	93.11	-1.64	26.52
LAB*LAB	93.11	-0.7	21.92
LAB*LAB	93.11	-0.7	21.92

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
RC _{IE} 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
BC _{IE} 30.57	1.15	-46.84	46.86	271

% Regularity

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

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.926	0.25	(1.0)
cmyn3*	0.0	0.074	0.75	(0.0)
olvi4*	1.0	0.926	0.25	1.0
cmyn4*	0.0	0.074	0.75	0.0

standard and adapted CIELAB

LAB*LAB	90.8	-2.3	48.29
LAB*LAB	90.8	-1.4	43.84
LAB*LAB	90.8	-1.4	43.84

relative Inform. Technology (IT)

olvi3*	1.0	0.926	0.25	(1.0)
cmyn3*	0.0	0.074	0.75	(0.0)
olvi4*	1.0	0.926	0.25	1.0
cmyn4*	0.0	0.074	0.75	0.0

standard and adapted CIELAB

LAB*LAB	90.8	-2.3	48.29
LAB*LAB	90.8	-1.4	43.84
LAB*LAB	90.8	-1.4	43.84

relative Inform. Technology (IT)

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

standard and adapted CIELAB

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.926	0.25	(1.0)
cmyn3*	0.0	0.074	0.75	(0.0)
olvi4*	1.0	0.926	0.25	1.0
cmyn4*	0.0	0.074	0.75	0.0

standard and adapted CIELAB

LAB*LAB	90.8	-2.3	48.29
LAB*LAB	90.8	-1.4	43.84
LAB*LAB	90.8	-1.4	43.84

relative Inform. Technology (IT)

olvi3*	1.0	0.926	0.25	(1.0)
cmyn3*	0.0	0.074	0.75	(0.0)
olvi4*	1.0	0.926	0.25	1.0
cmyn4*	0.0	0.074	0.75	0.0

standard and adapted CIELAB

LAB*LAB	90.8	-2.3	48.29
LAB*LAB	90.8	-1.4	43.84
LAB*LAB	90.8	-1.4	43.84

relative Inform. Technology (IT)

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

standard and adapted CIELAB

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.926	0.25	(1.0)
cmyn3*	0.0	0.074	0.75	(0.0)
olvi4*	1.0	0.926	0.25	1.0
cmyn4*	0.0	0.074	0.75	0.0

standard and adapted CIELAB

LAB*LAB	90.8	-2.3	48.29
LAB*LAB	90.8	-1.4	43.84
LAB*LAB	90.8	-1.4	43.84

relative Inform. Technology (IT)

olvi3*	1.0	0.926	0.25	(1.0)
cmyn3*	0.0	0.074	0.75	(0.0)
olvi4*	1.0	0.926	0.25	1.0
cmyn4*	0.0	0.074	0.75	0.0

standard and adapted CIELAB

LAB*LAB	90.8	-2.3	48.29
LAB*LAB	90.8	-1.4	43.84
LAB*LAB	90.8	-1.4	43.84

www.ps.bam.de/OE50/10L/L50E08NP.PS/.PDF; start output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

Input: Colorimetric Offset Reflective System ORS18

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

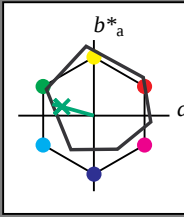
lab^*tch and lab^*nch

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)
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*Lab	95.41	0.0	0.0	
LAB*Ch	99.99	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	(1.0)
cmyn4*	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*Ch	87.5	14.23	164.46	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(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	76.06	-0.61	3.44	
LAB*Lab	76.06	0.0	0.0	
LAB*Ch	75.0	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(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	56.71	-0.24	2.14	
LAB*Lab	56.71	0.0	0.0	
LAB*Ch	55.0	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(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	65.41	-14.11	6.55	
LAB*Lab	65.41	-13.7	3.81	
LAB*Ch	62.5	14.23	164.46	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(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	54.76	-27.61	9.64	
LAB*Lab	54.76	-27.41	7.63	
LAB*Ch	50.0	28.46	164.45	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(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	46.06	-13.74	2.24	
LAB*Lab	46.06	-13.7	3.81	
LAB*Ch	37.5	14.23	164.45	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(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	37.36	0.0	0.0	
LAB*Lab	37.36	0.0	0.0	
LAB*Ch	25.0	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(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	35.41	-27.24	7.63	
LAB*Lab	35.41	-27.4	7.63	
LAB*Ch	30.0	28.46	164.45	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(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	35.41	-27.24	7.63	
LAB*Lab	35.41	-27.4	7.63	
LAB*Ch	30.0	28.46	164.45	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(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	35.41	-27.24	7.63	
LAB*Lab	35.41	-27.4	7.63	
LAB*Ch	30.0	28.46	164.45	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(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	18.02	0.03	0.47	
LAB*Lab	18.02	0.0	0.0	
LAB*Ch	0.01	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(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	18.02	0.03	0.47	
LAB*Lab	18.02	0.0	0.0	
LAB*Ch	0.01	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(0.0)
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standard and adapted CIELAB				
LAB*LAB	18.02	0.03	0.47	
LAB*Lab	18.02	0.0	0.0	
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relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(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	18.02	0.03	0.47	
LAB*Lab	18.02	0.0	0.0	
LAB*Ch	0.01	0.01	0.0	

OE500-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

BAM-test chart OE50; Colorimetric systems ORS18 & TLS00

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

Output: Colorimetric Television Luminous System TLS00

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

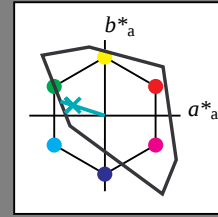
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

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*Lab	95.41	0.0	0.0	
LAB*Ch	99.99	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
cmyn3*	0.25	0.0	0.087	(0.0)
olv4*	0.75	1.0	0.913	(1.0)
cmyn4*	0.25	0.0	0.087	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.99	-14.7	4.71	
LAB*Lab	92.99	-14.7	4.71	
LAB*Ch	87.5	15.44	162.24	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
cmyn3*	0.25	0.0	0.087	(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	71.57	0.0	0.0	
LAB*Lab	71.57	0.0	0.0	
LAB*Ch	75.0	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
cmyn3*	0.25	0.0	0.087	(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	63.45	-41.48	14.04	
LAB*Lab	63.45	-41.11	11.44	
LAB*Ch	62.5	42.68	164.45	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
cmyn3*	0.25	0.0	0.087	(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	52.8	-54.81	15.26	
LAB*Lab	52.8	-54.81	15.26	
LAB*Ch	50.0	56.91	164.45	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
cmyn3*	0.25	0.0	0.087	(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	47.72	0.0	0.0	
LAB*Lab	47.72	0.0	0.0	
LAB*Ch	50.0	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
cmyn3*	0.25	0.0	0.087	(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	23.87	0.0	0.0	
LAB*Lab	23.87	0.0	0.0	
LAB*Ch	25.0	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
cmyn3*	0.25	0.0	0.087	(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	23.87	0.0	0.0	
LAB*Lab	23.87	0.0	0.0	
LAB*Ch	25.0	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
cmyn3*	0.25	0.0	0.087	(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	23.87	0.0	0.0	
LAB*Lab	23.87	0.0	0.0	
LAB*Ch	25.0	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
cmyn3*	0.25	0.0	0.087	(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	23.87	0.0	0.0	
LAB*Lab	23.87	0.0	0.0	
LAB*Ch	25.0	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
cmyn3*	0.25	0.0	0.087	(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	23.87	0.0	0.0	
LAB*Lab	23.87	0.0	0.0	
LAB*Ch	25.0	0.01	0.0	

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

input: $cmv0^* setcmykcolor$

output: no change compared to input

chromaticness c^*

chromaticness c^*

