

Input: Colorimetric Offset Reflective System ORS18

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

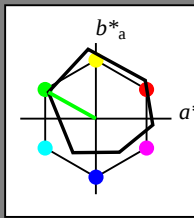
lab^*tch and lab^*nch

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* 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*TCHa 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 -
lab*trj 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 -

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.856 -0.217 0.121
lab*tch 0.875 0.25 0.419
lab*nch 0.0 0.25 0.419
lab*trj 0.856 -0.238 0.072
lab*tch 0.875 0.25 0.453
lab*nch 0.0 0.25 0.453

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (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*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.616 -0.217 0.122
lab*tch 0.625 0.25 0.419
lab*nch 0.25 0.25 0.419
lab*trj 0.616 -0.238 0.072
lab*tch 0.625 0.25 0.453
lab*nch 0.25 0.25 0.453

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
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 -0.38 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.356 -0.217 0.122
lab*tch 0.375 0.25 0.419
lab*nch 0.25 0.25 0.419
lab*trj 0.356 -0.238 0.072
lab*tch 0.375 0.25 0.453
lab*nch 0.25 0.25 0.453

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
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*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.106 -0.217 0.121
lab*tch 0.125 0.25 0.419
lab*nch 0.25 0.25 0.419
lab*trj 0.106 -0.238 0.072
lab*tch 0.125 0.25 0.453
lab*nch 0.25 0.25 0.453

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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
lab*trj 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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
lab*trj 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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
lab*trj 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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
lab*trj 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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
lab*trj 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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
lab*trj 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

Output: Colorimetric Television Luminous System TLS00

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

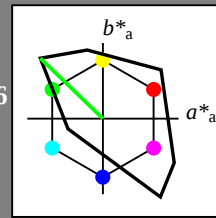
lab^*tch and lab^*nch

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* 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*TCHa 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 -
lab*trj 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 -

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.715 -0.179 0.174
lab*tch 0.875 0.25 0.378
lab*nch 0.0 0.25 0.378
lab*trj 0.715 -0.207 0.139
lab*tch 0.875 0.25 0.406
lab*nch 0.0 0.25 0.406

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (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 50.9 -0.25 0.378
LAB*LABa 50.9 -0.25 0.378
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.509 -0.359 0.347
lab*tch 0.525 0.25 0.378
lab*nch 0.25 0.25 0.378
lab*trj 0.509 -0.389 0.197
lab*tch 0.525 0.25 0.406
lab*nch 0.25 0.25 0.406

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.57 -0.38 0.628
LAB*LABa 30.57 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 -0.179 0.174
lab*tch 0.25 0.25 0.378
lab*nch 0.25 0.25 0.378
lab*trj 0.25 -0.207 0.139
lab*tch 0.25 0.25 0.406
lab*nch 0.25 0.25 0.406

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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
lab*trj 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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
lab*trj 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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
lab*trj 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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
lab*trj 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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
lab*trj 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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
lab*trj 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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
lab*trj 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

NE500-7, 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 NE50; Colorimetric systems ORS18 & ORS18

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

input: `olv* setrgbcolor`

output: `Startup (S) data dependend`

Input: Colorimetric Offset Reflective System ORS18

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

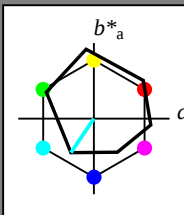
lab^*tch and lab^*nch

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

relative Inform. Technology (IT)				
olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.75	0.75	0.75	(1.0)
olv6*	0.25	0.25	0.25	(0.0)
olv7*	0.75	0.75	0.75	(1.0)
olv8*	0.25	0.25	0.25	(0.0)
olv9*	0.75	0.75	0.75	(1.0)
olv10*	0.25	0.25	0.25	(0.0)
olv11*	0.75	0.75	0.75	(1.0)
olv12*	0.25	0.25	0.25	(0.0)
olv13*	0.75	0.75	0.75	(1.0)
olv14*	0.25	0.25	0.25	(0.0)
olv15*	0.75	0.75	0.75	(1.0)
olv16*	0.25	0.25	0.25	(0.0)
olv17*	0.75	0.75	0.75	(1.0)
olv18*	0.25	0.25	0.25	(0.0)
olv19*	0.75	0.75	0.75	(1.0)
olv20*	0.25	0.25	0.25	(0.0)
olv21*	0.75	0.75	0.75	(1.0)
olv22*	0.25	0.25	0.25	(0.0)
olv23*	0.75	0.75	0.75	(1.0)
olv24*	0.25	0.25	0.25	(0.0)
olv25*	0.75	0.75	0.75	(1.0)
olv26*	0.25	0.25	0.25	(0.0)
olv27*	0.75	0.75	0.75	(1.0)
olv28*	0.25	0.25	0.25	(0.0)
olv29*	0.75	0.75	0.75	(1.0)
olv30*	0.25	0.25	0.25	(0.0)
olv31*	0.75	0.75	0.75	(1.0)
olv32*	0.25	0.25	0.25	(0.0)
olv33*	0.75	0.75	0.75	(1.0)
olv34*	0.25	0.25	0.25	(0.0)
olv35*	0.75	0.75	0.75	(1.0)
olv36*	0.25	0.25	0.25	(0.0)
olv37*	0.75	0.75	0.75	(1.0)
olv38*	0.25	0.25	0.25	(0.0)
olv39*	0.75	0.75	0.75	(1.0)
olv40*	0.25	0.25	0.25	(0.0)
olv41*	0.75	0.75	0.75	(1.0)
olv42*	0.25	0.25	0.25	(0.0)
olv43*	0.75	0.75	0.75	(1.0)
olv44*	0.25	0.25	0.25	(0.0)
olv45*	0.75	0.75	0.75	(1.0)
olv46*	0.25	0.25	0.25	(0.0)
olv47*	0.75	0.75	0.75	(1.0)
olv48*	0.25	0.25	0.25	(0.0)
olv49*	0.75	0.75	0.75	(1.0)
olv50*	0.25	0.25	0.25	(0.0)
olv51*	0.75	0.75	0.75	(1.0)
olv52*	0.25	0.25	0.25	(0.0)
olv53*	0.75	0.75	0.75	(1.0)
olv54*	0.25	0.25	0.25	(0.0)
olv55*	0.75	0.75	0.75	(1.0)
olv56*	0.25	0.25	0.25	(0.0)
olv57*	0.75	0.75	0.75	(1.0)
olv58*	0.25	0.25	0.25	(0.0)
olv59*	0.75	0.75	0.75	(1.0)
olv60*	0.25	0.25	0.25	(0.0)
olv61*	0.75	0.75	0.75	(1.0)
olv62*	0.25	0.25	0.25	(0.0)
olv63*	0.75	0.75	0.75	(1.0)
olv64*	0.25	0.25	0.25	(0.0)
olv65*	0.75	0.75	0.75	(1.0)
olv66*	0.25	0.25	0.25	(0.0)
olv67*	0.75	0.75	0.75	(1.0)
olv68*	0.25	0.25	0.25	(0.0)
olv69*	0.75	0.75	0.75	(1.0)
olv70*	0.25	0.25	0.25	(0.0)
olv71*	0.75	0.75	0.75	(1.0)
olv72*	0.25	0.25	0.25	(0.0)
olv73*	0.75	0.75	0.75	(1.0)
olv74*	0.25	0.25	0.25	(0.0)
olv75*	0.75	0.75	0.75	(1.0)
olv76*	0.25	0.25	0.25	(0.0)
olv77*	0.75	0.75	0.75	(1.0)
olv78*	0.25	0.25	0.25	(0.0)
olv79*	0.75	0.75	0.75	(1.0)
olv80*	0.25	0.25	0.25	(0.0)
olv81*	0.75	0.75	0.75	(1.0)
olv82*	0.25	0.25	0.25	(0.0)
olv83*	0.75	0.75	0.75	(1.0)
olv84*	0.25	0.25	0.25	(0.0)
olv85*	0.75	0.75	0.75	(1.0)
olv86*	0.25	0.25	0.25	(0.0)
olv87*	0.75	0.75	0.75	(1.0)
olv88*	0.25	0.25	0.25	(0.0)
olv89*	0.75	0.75	0.75	(1.0)
olv90*	0.25	0.25	0.25	(0.0)
olv91*	0.75	0.75	0.75	(1.0)
olv92*	0.25	0.25	0.25	(0.0)
olv93*	0.75	0.75	0.75	(1.0)
olv94*	0.25	0.25	0.25	(0.0)
olv95*	0.75	0.75	0.75	(1.0)
olv96*	0.25	0.25	0.25	(0.0)
olv97*	0.75	0.75	0.75	(1.0)
olv98*	0.25	0.25	0.25	(0.0)
olv99*	0.75	0.75	0.75	(1.0)
olv100*	0.25	0.25	0.25	(0.0)

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	1.0
cmyn4*	0.5	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	77.01	-15.8	-18.98	

See for similar files: <http://www.ps.bam.de/NE50/>
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1?

Page count: 5

Input: Colorimetric Offset Reflective System ORS18

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

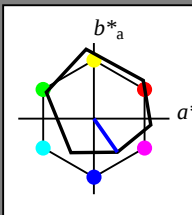
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

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

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.00 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*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (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*LABa 56.71 0.0 0.0
LAB*LABb 50.00 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*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 -0.38 0.63
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.00 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*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (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 18.02 0.03 0.47
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 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 1.0 0.0 0.0

$n^* = 1.0$

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* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 60.56 15.23 -19.79
LAB*LABa 60.56 15.23 -19.79
LAB*LABb 77.99 7.77 -11.09
LAB*LABc 87.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.5 0.287 -0.408
lab*tch 0.5 0.287 -0.408
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.5 0.287 -0.408
lab*tce 0.5 0.287 -0.408
lab*nce 0.0 0.5 0.847

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 41.22 15.56 -22.2
LAB*LABa 41.22 15.56 -22.2
LAB*LABb 50.0 27.1 305.0

relative CIELAB lab*
lab*lab 0.25 0.287 -0.409
lab*tch 0.25 0.287 -0.409
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.25 0.287 -0.409
lab*tce 0.25 0.287 -0.409
lab*nce 0.0 0.5 0.847

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 21.87 15.57 -22.2
LAB*LABa 21.87 15.57 -22.2
LAB*LABb 25.01 27.1 305.0

relative CIELAB lab*
lab*lab 0.0 0.287 -0.408
lab*tch 0.0 0.287 -0.408
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.0 0.287 -0.408
lab*tce 0.0 0.287 -0.408
lab*nce 0.0 0.5 0.847

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 19.94 7.77 -11.09
LAB*LABa 19.94 7.77 -11.09
LAB*LABb 12.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.0 0.287 -0.408
lab*tch 0.0 0.287 -0.408
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.0 0.287 -0.408
lab*tce 0.0 0.287 -0.408
lab*nce 0.0 0.5 0.847

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.25 0.25 (1.0)
cmyn4* 0.75 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 43.14 23.34 -32.07
LAB*LABa 43.14 23.34 -32.07
LAB*LABb 62.5 40.66 305.0

relative CIELAB lab*
lab*lab 0.25 0.337 -0.669
lab*tch 0.25 0.337 -0.669
lab*nch 0.0 0.75 0.826
relative Natural Colour (NC)
lab*trj 0.25 0.337 -0.669
lab*tce 0.25 0.337 -0.669
lab*nce 0.0 0.75 0.826

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.73 31.09 -44.38
LAB*LABa 25.73 31.09 -44.38
LAB*LABb 50.0 54.21 305.0

relative CIELAB lab*
lab*lab 0.0 0.573 -0.818
lab*tch 0.0 0.573 -0.818
lab*nch 0.0 0.0 0.847
relative Natural Colour (NC)
lab*trj 0.0 0.573 -0.818
lab*tce 0.0 0.573 -0.818
lab*nce 0.0 0.0 0.847

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.8 23.71 -33.37
LAB*LABa 23.8 23.71 -33.37
LAB*LABb 37.51 40.66 305.0

relative CIELAB lab*
lab*lab 0.0 0.75 0.826
lab*tch 0.0 0.75 0.826
lab*nch 0.0 0.0 0.847
relative Natural Colour (NC)
lab*trj 0.0 0.75 0.826
lab*tce 0.0 0.75 0.826
lab*nce 0.0 0.0 0.847

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 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 1.0 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 1.0 0.0 0.0

$n^* = 0.00$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

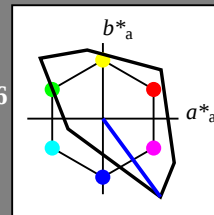
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 158$

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

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.00 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*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (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 55.31 19.01 -25.89
LAB*LABa 55.31 19.01 -25.89
LAB*LABb 62.5 32.13 306.29

relative CIELAB lab*
lab*lab 0.5 0.25 0.25 (1.0)
lab*tch 0.5 0.25 0.25 (1.0)
lab*nch 0.0 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.5 0.25 0.25 (1.0)
lab*tce 0.5 0.25 0.25 (1.0)
lab*nce 0.0 0.5 0.851

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 31.46 19.01 -25.89
LAB*LABa 31.46 19.01 -25.89
LAB*LABb 37.5 32.13 306.29

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*tch 0.25 0.25 0.25 (1.0)
lab*nch 0.0 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (1.0)
lab*tce 0.25 0.25 0.25 (1.0)
lab*nce 0.0 0.5 0.851

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 15.21 38.02 -51.78
LAB*LABa 15.21 38.02 -51.78
LAB*LABb 25.01 64.26 306.29

relative CIELAB lab*
lab*lab 0.0 0.25 0.25 (1.0)
lab*tch 0.0 0.25 0.25 (1.0)
lab*nch 0.0 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.25 (1.0)
lab*tce 0.0 0.25 0.25 (1.0)
lab*nce 0.0 0.5 0.851

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 62.9 38.02 -51.78
LAB*LABa 62.9 38.02 -51.78
LAB*LABb 75.0 64.26 306.29

relative CIELAB lab*
lab*lab 0.5 0.25 0.25 (1.0)
lab*tch 0.5 0.25 0.25 (1.0)
lab*nch 0.0 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.5 0.25 0.25 (1.0)
lab*tce 0.5 0.25 0.25 (1.0)
lab*nce 0.0 0.5 0.851

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 39.05 38.03 -51.79
LAB*LABa 39.05 38.03 -51.79
LAB*LABb 50.0 64.26 306.29

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*tch 0.25 0.25 0.25 (1.0)
lab*nch 0.0 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (1.0)
lab*tce 0.25 0.25 0.25 (1.0)
lab*nce 0.0 0.5 0.851

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 22.8 57.04 -77.68
LAB*LABa 22.8 57.04 -77.68
LAB*LABb 37.51 96.38 306.29

relative CIELAB lab*
lab*lab 0.0 0.25 0.25 (1.0)
lab*tch 0.0 0.25 0.25 (1.0)
lab*nch 0.0 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.25 (1.0)
lab*tce 0.0 0.25 0.25 (1.0)
lab*nce 0.0 0.5 0.851

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 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 1.0 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 1.0 0.0 0.0

$n^* = 0.00$

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)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 62.9 38.02 -51.78
LAB*LABa 62.9 38.02 -51.78
LAB*LABb 75.0 64.26 306.29

relative CIELAB lab*
lab*lab 0.659 0.23 -0.443
lab*tch 0.659 0.23 -0.443
lab*nch 0.0 0.5 0.826
relative Natural Colour (NC)
lab*trj 0.659 0.23 -0.443
lab*tce 0.659 0.23 -0.443
lab*nce 0.0 0.5 0.826

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 55.31 19.01 -25.89
LAB*LABa 55.31 19.01 -25.89
LAB*LABb 62.5 32.13 30

Input: Colorimetric Offset Reflective System ORS18

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

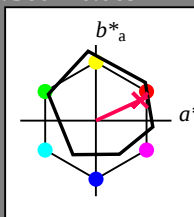
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

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*	1.0	0.75	0.831	(1.0)
olv3*	0.0	0.25	0.169	(0.0)
olv4*	1.0	0.75	0.831	(1.0)
olv4*	0.0	0.25	0.169	(0.0)
olv5*	1.0	0.75	0.831	(1.0)
olv5*	0.0	0.25	0.169	(0.0)
standard and adapted CIELAB				
LAB*LAB	83.55	16.38	11.84	
LAB*LAB	83.55	17.14	7.88	
LAB*LAB	97.5	18.86	24.69	

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.831	(1.0)
olv3*	0.0	0.25	0.169	(0.0)
olv4*	1.0	0.75	0.831	(1.0)
olv4*	0.0	0.25	0.169	(0.0)
olv5*	1.0	0.75	0.831	(1.0)
olv5*	0.0	0.25	0.169	(0.0)
standard and adapted CIELAB				
LAB*LAB	83.55	16.38	11.84	
LAB*LAB	83.55	17.14	7.88	
LAB*LAB	97.5	18.86	24.69	

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.831	(1.0)
olv3*	0.0	0.25	0.169	(0.0)
olv4*	1.0	0.75	0.831	(1.0)
olv4*	0.0	0.25	0.169	(0.0)
olv5*	1.0	0.75	0.831	(1.0)
olv5*	0.0	0.25	0.169	(0.0)
standard and adapted CIELAB				
LAB*LAB	83.55	16.38	11.84	
LAB*LAB	83.55	17.14	7.88	
LAB*LAB	97.5	18.86	24.69	

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.831	(1.0)
olv3*	0.0	0.25	0.169	(0.0)
olv4*	1.0	0.75	0.831	(1.0)
olv4*	0.0	0.25	0.169	(0.0)
olv5*	1.0	0.75	0.831	(1.0)
olv5*	0.0	0.25	0.169	(0.0)
standard and adapted CIELAB				
LAB*LAB	83.55	16.38	11.84	
LAB*LAB	83.55	17.14	7.88	
LAB*LAB	97.5	18.86	24.69	

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.831	(1.0)
olv3*	0.0	0.25	0.169	(0.0)
olv4*	1.0	0.75	0.831	(1.0)
olv4*	0.0	0.25	0.169	(0.0)
olv5*	1.0	0.75	0.831	(1.0)
olv5*	0.0	0.25	0.169	(0.0)
standard and adapted CIELAB				
LAB*LAB	83.55	16.38	11.84	
LAB*LAB	83.55	17.14	7.88	
LAB*LAB	97.5	18.86	24.69	

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.831	(1.0)
olv3*	0.0	0.25	0.169	(0.0)
olv4*	1.0	0.75	0.831	(1.0)
olv4*	0.0	0.25	0.169	(0.0)
olv5*	1.0	0.75	0.831	(1.0)
olv5*	0.0	0.25	0.169	(0.0)
standard and adapted CIELAB				
LAB*LAB	83.55	16.38	11.84	
LAB*LAB	83.55	17.14	7.88	
LAB*LAB	97.5	18.86	24.69	

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.831	(1.0)
olv3*	0.0	0.25	0.169	(0.0)
olv4*	1.0	0.75	0.831	(1.0)
olv4*	0.0	0.25	0.169	(0.0)
olv5*	1.0	0.75	0.831	(1.0)
olv5*	0.0	0.25	0.169	(0.0)
standard and adapted CIELAB				
LAB*LAB	83.55	16.38	11.84	
LAB*LAB	83.55	17.14	7.88	
LAB*LAB	97.5	18.86	24.69	

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.831	(1.0)
olv3*	0.0	0.25	0.169	(0.0)
olv4*	1.0	0.75	0.831	(1.0)
olv4*	0.0	0.25	0.169	(0.0)
olv5*	1.0	0.75	0.831	(1.0)
olv5*	0.0	0.25	0.169	(0.0)
standard and adapted CIELAB				
LAB*LAB	83.55	16.38	11.84	
LAB*LAB	83.55	17.14	7.88	
LAB*LAB	97.5	18.86	24.69	

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.831	(1.0)
olv3*	0.0	0.25	0.169	(0.0)
olv4*	1.0	0.75	0.831	(1.0)
olv4*	0.0	0.25	0.169	(0.0)
olv5*	1.0	0.75	0.831	(1.0)
olv5*	0.0	0.25	0.169	(0.0)
standard and adapted CIELAB				
LAB*LAB	83.55	16.38	11.84	
LAB*LAB	83.55	17.14	7.88	
LAB*LAB	97.5	18.86	24.69	

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.831	(1.0)
olv3*	0.0	0.25	0.169	(0.0)
olv4*	1.0	0.75	0.831	(1.0)
olv4*	0.0	0.25	0.169	(0.0)
olv5*	1.0	0.75	0.831	(1.0)
olv5*	0.0	0.25	0.169	(0.0)
standard and adapted CIELAB				
LAB*LAB	83.55	16.38	11.84	
LAB*LAB	83.55	17.14	7.88	
LAB*LAB	97.5	18.86	24.69	

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	0.5	0.661	(1.0)
olv3*	0.0	0.5	0.339	(0.0)
olv4*	1.0	0.5	0.661	(1.0)
olv4*	0.0	0.5	0.339	(0.0)
olv5*	1.0	0.5	0.661	(1.0)
olv5*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.7	33.75	18.92	
LAB*LAB	71.7	34.28	15.76	
LAB*LAB	75.0	37.73	24.7	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.661	(1.0)
olv3*	0.0	0.5	0.339	(0.0)
olv4*	1.0	0.5	0.661	(1.0)
olv4*	0.0	0.5	0.339	(0.0)
olv5*	1.0	0.5	0.661	(1.0)
olv5*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.7	33.75	18.92	
LAB*LAB	71.7	34.28	15.76	
LAB*LAB	75.0	37.73	24.7	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.661	(1.0)
olv3*	0.0	0.5	0.339	(0.0)
olv4*	1.0	0.5	0.661	(1.0)
olv4*	0.0	0.5	0.339	(0.0)
olv5*	1.0	0.5	0.661	(1.0)
olv5*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.7	33.75	18.92	
LAB*LAB	71.7	34.28	15.76	
LAB*LAB	75.0	37.73	24.7	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.661	(1.0)
olv3*	0.0	0.5	0.339	(0.0)
olv4*	1.0	0.5	0.661	(1.0)
olv4*	0.0	0.5	0.339	(0.0)
olv5*	1.0	0.5	0.661	(1.0)
olv5*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.7	33.75	18.92	
LAB*LAB	71.7	34.28	15.76	
LAB*LAB	75.0	37.73	24.7	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.661	(1.0)
olv3*	0.0	0.5	0.339	(0.0)
olv4*	1.0	0.5	0.661	(1.0)
olv4*	0.0	0.5	0.339	(0.0)
olv5*	1.0	0.5	0.661	(1.0)
olv5*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.7	33.75	18.92	
LAB*LAB	71.7	34.28	15.76	
LAB*LAB	75.0	37.73	24.7	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.661	(1.0)
olv3*	0.0	0.5	0.339	(0.0)
olv4*	1.0	0.5	0.661	(1.0)
olv4*	0.0	0.5	0.339	(0.0)
olv5*	1.0	0.5	0.661	(1.0)
olv5*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.7	33.75	18.92	
LAB*LAB	71.7	34.28	15.76	
LAB*LAB	75.0	37.73	24.7	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.661	(1.0)
olv3*	0.0	0.5	0.339	(0.0)
olv4*	1.0	0.5	0.661	(1.0)
olv4*	0.0	0.5	0.339	(0.0)
olv5*	1.0	0.5	0.661	(1.0)
olv5*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.7	33.75	18.92	
LAB*LAB	71.7	34.28	15.76	
LAB*LAB	75.0	37.73	24.7	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.661	(1.0)
olv3*	0.0	0.5	0.339	(0.0)
olv4*	1.0	0.5	0.661	(1.0)
olv4*	0.0	0.5	0.339	(0.0)
olv5*	1.0	0.5	0.661	(1.0)
olv5*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.7	33.75	18.92	
LAB*LAB	71.7	34.28	15.76	
LAB*LAB	75.0	37.73	24.7	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.661	(1.0)
olv3*	0.0	0.5	0.339	(0.0)
olv4*	1.0	0.5	0.661	(1.0)
olv4*	0.0	0.5	0.339	(0.0)
olv5*	1.0	0.5	0.661	(1.0)
olv5*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.7	33.75	18.92	
LAB*LAB	71.7	34.28	15.76	
LAB*LAB	75.0	37.73	24.7	

Output: Colorimetric Television Luminous System TLS00

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

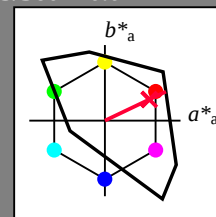
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

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*	1.0	0.75	0.803	(1.0)
cmyn3*	0.0	0.25	0.197	(0.0)
olv4*	1.0	0.75	0.803	1.0
cmyn4*	0.0	0.25	0.197	0.0

standard and adapted CIELAB

LAB*LAB	84.54	20.15	9.6
LAB*LABa	84.54	20.15	9.6
LAB*LABb	0.7	23.32	35.4*

Input: Colorimetric Offset Reflective System ORS18

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

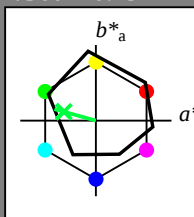
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
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)
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 47.5
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 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
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
lab*lab 1.0 0.0 0.0
lab*lab 1.0 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 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 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 56.71 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 56.71 0.0 0.0
LAB*LABc 56.71 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
olv4* 0.75 0.75 0.75 (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 37.36 0.0 0.0
LAB*LABa 37.36 0.0 0.0
LAB*LABb 37.36 0.0 0.0
LAB*LABc 37.36 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
olv4* 1.0 1.0 1.0 (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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
olv4* 1.0 1.0 1.0 (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 0.01 0.01
LAB*LABa 0.01 0.01
LAB*LABb 0.01 0.01
LAB*LABc 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

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* 0.5 1.0 0.623 (1.0)
olv4* 0.5 0.5 0.377 (0.0)
olv5* 0.5 0.5 0.623 (1.0)
olv6* 0.5 0.5 0.377 (0.0)
standard and adapted CIELAB
LAB*LAB 74.1 -27.98 10.94
LAB*LABa 74.1 -27.4 7.62
LAB*LABb 74.1 28.45 16.46

relative CIELAB lab*
lab*lab 0.75 -0.481 0.134
lab*lab 0.75 0.5 0.457
lab*lab 0.75 0.5 0.457
lab*lab 0.75 0.5 0.457
lab*lab 0.75 0.5 0.457
lab*lab 0.75 0.5 0.457
lab*lab 0.75 0.5 0.457
lab*lab 0.75 0.5 0.457
lab*lab 0.75 0.5 0.457
lab*lab 0.75 0.5 0.457

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.375 (1.0)
olv4* 0.75 0.25 0.625 (0.0)
olv5* 0.25 0.5 0.375 (1.0)
olv6* 0.75 0.25 0.625 (0.0)
standard and adapted CIELAB
LAB*LAB 54.76 -27.61 9.64
LAB*LABa 54.76 -27.41 7.63
LAB*LABb 54.76 28.46 16.45

relative CIELAB lab*
lab*lab 0.475 -0.489 0.0
lab*lab 0.475 0.5 0.3
lab*lab 0.475 0.5 0.3
lab*lab 0.475 0.5 0.3
lab*lab 0.475 0.5 0.3
lab*lab 0.475 0.5 0.3
lab*lab 0.475 0.5 0.3
lab*lab 0.475 0.5 0.3
lab*lab 0.475 0.5 0.3
lab*lab 0.475 0.5 0.3

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.183 (1.0)
olv4* 0.5 0.0 0.817 (0.0)
olv5* 0.0 0.5 0.183 (1.0)
olv6* 0.5 0.0 0.817 (0.0)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 7.63
LAB*LABa 35.41 -27.4 7.63
LAB*LABb 35.41 28.46 16.45

relative CIELAB lab*
lab*lab 0.337 -0.721 0.201
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.183 (1.0)
olv4* 0.5 0.0 0.817 (0.0)
olv5* 0.0 0.5 0.183 (1.0)
olv6* 0.5 0.0 0.817 (0.0)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 7.63
LAB*LABa 35.41 -27.4 7.63
LAB*LABb 35.41 28.46 16.45

relative CIELAB lab*
lab*lab 0.225 -0.481 0.134
lab*lab 0.225 0.5 0.457
lab*lab 0.225 0.5 0.457
lab*lab 0.225 0.5 0.457
lab*lab 0.225 0.5 0.457
lab*lab 0.225 0.5 0.457
lab*lab 0.225 0.5 0.457
lab*lab 0.225 0.5 0.457
lab*lab 0.225 0.5 0.457
lab*lab 0.225 0.5 0.457

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.183 (1.0)
olv4* 0.5 0.0 0.817 (0.0)
olv5* 0.0 0.5 0.183 (1.0)
olv6* 0.5 0.0 0.817 (0.0)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 7.63
LAB*LABa 35.41 -27.4 7.63
LAB*LABb 35.41 28.46 16.45

relative CIELAB lab*
lab*lab 0.112 -0.24 0.067
lab*lab 0.112 0.5 0.457
lab*lab 0.112 0.5 0.457
lab*lab 0.112 0.5 0.457
lab*lab 0.112 0.5 0.457
lab*lab 0.112 0.5 0.457
lab*lab 0.112 0.5 0.457
lab*lab 0.112 0.5 0.457
lab*lab 0.112 0.5 0.457
lab*lab 0.112 0.5 0.457

Output: Colorimetric Television Luminous System TLS00

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

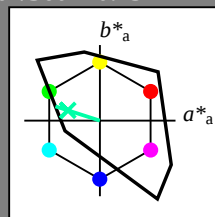
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
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)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 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
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
lab*lab 1.0 0.0 0.0
lab*lab 1.0 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 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 71.57 0.0 0.0
LAB*LABc 71.57 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
olv4* 0.75 0.75 0.75 (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 52.8 -54.81 15.26
LAB*LABa 52.8 -54.81 15.26
LAB*LABb 52.8 56.91 16.45

relative CIELAB lab*
lab*lab 0.45 -0.962 0.268
lab*lab 0.45 0.5 0.457
lab*lab 0.45 0.5 0.457
lab*lab 0.45 0.5 0.457
lab*lab 0.45 0.5 0.457
lab*lab 0.45 0.5 0.457
lab*lab 0.45 0.5 0.457
lab*lab 0.45 0.5 0.457
lab*lab 0.45 0.5 0.457
lab*lab 0.45 0.5 0.457

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.183 (1.0)
olv4* 0.5 0.0 0.817 (0.0)
olv5* 0.0 0.5 0.183 (1.0)
olv6* 0.5 0.0 0.817 (0.0)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 7.63
LAB*LABa 35.41 -27.4 7.63
LAB*LABb 35.41 28.46 16.45

relative CIELAB lab*
lab*lab 0.337 -0.721 0.201
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.183 (1.0)
olv4* 0.5 0.0 0.817 (0.0)
olv5* 0.0 0.5 0.183 (1.0)
olv6* 0.5 0.0 0.817 (0.0)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 7.63
LAB*LABa 35.41 -27.4 7.63
LAB*LABb 35.41 28.46 16.45

relative CIELAB lab*
lab*lab 0.225 -0.481 0.134
lab*lab 0.225 0.5 0.457
lab*lab 0.225 0.5 0.457
lab*lab 0.225 0.5 0.457
lab*lab 0.225 0.5 0.457
lab*lab 0.225 0.5 0.457
lab*lab 0.225 0.5 0.457
lab*lab 0.225 0.5 0.457
lab*lab 0.225 0.5 0.457
lab*lab 0.225 0.5 0.457

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.183 (1.0)
olv4* 0.5 0.0 0.817 (0.0)
olv5* 0.0 0.5 0.183 (1.0)
olv6* 0.5 0.0 0.817 (0.0)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 7.63
LAB*LABa 35.41 -27.4 7.63
LAB*LABb 35.41 28.46 16.45

relative CIELAB lab*
lab*lab 0.112 -0.24 0.067
lab*lab 0.112 0.5 0.457
lab*lab 0.112 0.5 0.457
lab*lab 0.112 0.5 0.457
lab*lab 0.112 0.5 0.457
lab*lab 0.112 0.5 0.457
lab*lab 0.112 0.5 0.457
lab*lab 0.112 0.5 0.457
lab*lab 0.112 0.5 0.457
lab*lab 0.112 0.5 0.457

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* 0.5 1.0 0.623 (1.0)
olv4* 0.5 0.5 0.377 (0.0)
olv5* 0.5 0.5 0.623 (1.0)
olv6* 0.5 0.5 0.377 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 71.57 0.0 0.0
LAB*LABc 71.57 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 -0.481 0.134
lab*lab 0.75 0.5 0.457
lab*lab 0.75 0.5 0.457
lab*lab 0.75 0.5 0.457
lab*lab 0.75 0.5 0.457
lab*lab 0.75 0.5 0.457
lab*lab 0.75 0.5 0.457
lab*lab 0.75 0.5 0.457
lab*lab 0.75 0.5 0.457
lab*lab 0.75 0.5 0.457

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.375 (1.0)
olv4* 0.75 0.25 0.625 (0.0)
olv5* 0.25 0.5 0.375 (1.0)
olv6* 0.75 0.25 0.625 (0.0)
standard and adapted CIELAB
LAB*LAB 52.8 -54.81 15.26
LAB*LABa 52.8 -54.81 15.26
LAB*LABb 52.8 56.91 16.45

relative CIELAB lab*
lab*lab 0.475 -0.489 0.0
lab*lab 0.475 0.5 0.3
lab*lab 0.475 0.5 0.3
lab*lab 0.475 0.5 0.3
lab*lab 0.475 0.5 0.3
lab*lab 0.475 0.5 0.3
lab*lab 0.475 0.5 0.3
lab*lab 0.475 0.5 0.3
lab*lab 0.475 0.5 0.3
lab*lab 0.475 0.5 0.3

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.183 (1.0)
olv4* 0.5 0.0 0.817 (0.0)
olv5* 0.0 0.5 0.183 (1.0)
olv6* 0.5 0.0 0.817 (0.0)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 7.63
LAB*LABa 35.41 -27.4 7.63
LAB*LABb 35.41 28.46 16.45

relative CIELAB lab*
lab*lab 0.337 -0.721 0.201
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457
lab*lab 0.337 0.5 0.457

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.183 (1.0)
olv4* 0.5 0.0 0.817 (0.0)
olv5* 0.0 0.5 0.183 (1.0)
olv6* 0.5 0.0 0.817 (0.0)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 7.63
LAB*LABa 35.41 -27.4 7.63
LAB*LABb 35.41 28.46 16.45

relative CIELAB lab*
lab*lab 0.225 -0.481 0.134
lab*lab 0.225 0.5 0.457
lab*lab 0.225 0.5 0.457
lab*lab

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

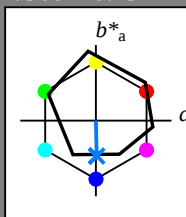
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

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

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.00 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*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* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (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*LABa 56.71 0.0 0.0
LAB*LABb 50.00 0.01 0.0

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*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
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 -0.03 0.63
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.00 0.01 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*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (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 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 1.0 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 1.0 0.0 0.0

$n^* = 1.0$

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* 0.5 0.5 0.5 (1.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 68.6 0.07 -19.39
LAB*LABa 68.6 0.5 -22.34
LAB*LABb 75.0 22.36 27.14

relative CIELAB lab*
lab*lab 0.654 0.012 -0.499
lab*tch 0.75 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*trj 0.654 0.0 -0.499
lab*tce 0.75 0.5 0.75
lab*nce 0.0 0.5 0.996

relative Inform. Technology (IT)
olv3* 0.25 0.494 0.75 (1.0)
cmyn3* 0.75 0.506 0.25 (0.0)
olv4* 0.5 0.754 1.0 (0.0)
cmyn4* 0.5 0.254 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.25 0.45 -20.7
LAB*LABa 49.25 0.5 -22.35
LAB*LABb 50.0 22.36 27.14

relative CIELAB lab*
lab*lab 0.48 0.018 -0.749
lab*tch 0.625 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*trj 0.48 0.0 -0.749
lab*tce 0.625 0.75 0.75
lab*nce 0.0 0.75 0.996

relative Inform. Technology (IT)
olv3* 0.0 0.634 0.25 (0.0)
cmyn3* 1.0 0.512 0.0 (0.0)
olv4* 0.0 0.488 1.0 (0.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 41.79 1.1 -44.68
LAB*LABa 41.79 1.1 -44.68
LAB*LABb 50.0 44.71 27.14

relative CIELAB lab*
lab*lab 0.307 0.025 -0.998
lab*tch 0.5 1.0 0.754
lab*nch 0.0 1.0 0.754
relative Natural Colour (NC)
lab*trj 0.307 0.0 -0.999
lab*tce 0.5 1.0 0.75
lab*nce 0.0 1.0 0.000

relative Inform. Technology (IT)
olv3* 0.23 0.019 -0.749
cmyn3* 0.75 0.754 0.0 (0.0)
olv4* 0.0 0.754 1.0 (0.0)
cmyn4* 0.5 0.254 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 29.9 0.5 -22.34
LAB*LABa 29.9 0.5 -22.34
LAB*LABb 25.01 22.36 27.14

relative CIELAB lab*
lab*lab 0.154 0.012 -0.499
lab*tch 0.25 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*trj 0.154 0.0 -0.499
lab*tce 0.25 0.5 0.75
lab*nce 0.0 0.5 0.000

$n^* = 0.50$

$n^* = 0.00$

$n^* = 0.25$

blackness n^*

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

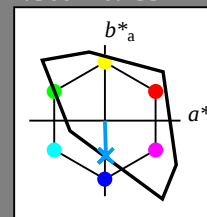
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

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

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.00 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*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* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (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*LABa 47.72 0.0 0.0
LAB*LABb 50.00 0.01 0.0

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*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
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 -0.03 0.63
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.00 0.01 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*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.61 1.0 (0.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 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 1.0 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 1.0 0.0 0.0

$n^* = 1.0$

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* 0.5 0.805 1.0 (1.0)
cmyn3* 0.5 0.195 0.0 (0.0)
olv4* 0.5 0.805 1.0 (1.0)
cmyn4* 0.5 0.195 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.13 0.73 -24.31
LAB*LABa 80.13 0.73 -24.31
LAB*LABb 75.0 24.31 27.12

relative CIELAB lab*
lab*lab 0.84 0.015 -0.499
lab*tch 0.75 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.84 0.0 -0.499
lab*tce 0.75 0.5 0.75
lab*nce 0.0 0.5 0.996

relative Inform. Technology (IT)
olv3* 0.25 0.555 0.75 (1.0)
cmyn3* 0.75 0.445 0.25 (0.0)
olv4* 0.5 0.805 1.0 (1.0)
cmyn4* 0.5 0.195 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.28 0.74 -24.32
LAB*LABa 56.28 0.74 -24.32
LAB*LABb 50.0 24.34 27.14

relative CIELAB lab*
lab*lab 0.51 0.023 -0.749
lab*tch 0.5 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.51 0.0 -0.749
lab*tce 0.5 0.5 0.75
lab*nce 0.0 0.5 0.996

relative Inform. Technology (IT)
olv3* 0.0 0.305 0.5 (0.0)
cmyn3* 1.0 0.695 0.5 (0.0)
olv4* 0.5 0.810 1.0 (0.0)
cmyn4* 0.5 0.190 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.44 0.73 -24.32
LAB*LABa 32.44 0.73 -24.32
LAB*LABb 25.01 24.34 27.15

relative CIELAB lab*
lab*lab 0.34 0.015 -0.499
lab*tch 0.25 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.34 0.0 -0.499
lab*tce 0.25 0.5 0.75
lab*nce 0.0 0.5 0.000

relative Inform. Technology (IT)
olv3* 0.0 0.553 0.25 (1.0)
cmyn3* 1.0 0.847 0.75 (0.0)
olv4* 0.5 0.803 1.0 (0.0)
cmyn4* 0.5 0.097 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.22 0.37 -12.15
LAB*LABa 16.22 0.37 -12.15
LAB*LABb 12.5 12.17 27.16

relative CIELAB lab*
lab*lab 0.17 0.008 -0.249
lab*tch 0.125 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.17 0.0 -0.249
lab*tce 0.125 0.25 0.75
lab*nce 0.0 0.25 0.000

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.25 0.458 0.75 (1.0)
cmyn3* 0.75 0.542 0.25 (0.0)
olv4* 0.5 0.754 1.0 (0.0)
cmyn4* 0.5 0.246 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.65 1.11 -36.47
LAB*LABa 48.65 1.11 -36.47
LAB*LABb 50.0 36.51 27.13

relative CIELAB lab*
lab*lab 0.78 0.023 -0.749
lab*tch 0.625 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*trj 0.78 0.0 -0.749
lab*tce 0.625 0.75 0.75
lab*nce 0.0 0.75 0.996

relative Inform. Technology (IT)
olv3* 0.0 0.458 0.75 (1.0)
cmyn3* 1.0 0.542 0.25 (0.0)
olv4* 0.5 0.754 1.0 (0.0)
cmyn4* 0.5 0.246 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.65 1.11 -36.47
LAB*LABa 48.65 1.11 -36.47
LAB*LABb 50.0 36.51 27.13

relative CIELAB lab*
lab*lab 0.51 0.023 -0.749
lab*tch 0.375 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*trj 0.51 0.0 -0.749
lab*tce 0.375 0.75 0.75
lab*nce 0.0 0.75 0.000

relative Inform. Technology (IT)
olv3* 0.23 0.019 -0.749
cmyn3* 0.75 0.754 0.0 (0.0)
olv4* 0.0 0.754 1.0 (0.0)
cmyn4* 0.5 0.254 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 29.9 0.5 -22.34
LAB*LABa 29.9 0.5 -22.34
LAB*LABb 25.01 22.36 27.14

relative CIELAB lab*
lab*lab 0.154 0.012 -0.499
lab*tch 0.25 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*trj 0.154 0.0 -0.499
lab*tce 0.25 0.5 0.75
lab*nce 0.0 0.5 0.000

relative Inform. Technology (IT)
olv3* 0.0 0.61 1.0 (0.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 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 1.0 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 1.0 0.0 0.0

$n^* = 0.00$

blackness n^*

chromaticness c^*