

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.106$

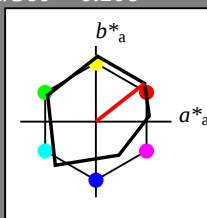
lab^*tch and lab^*nch

A: hue 0

LCH*Ma: 48 82 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



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 95.6 0.43 4.65
LAB*LABa 95.6 0.0 0.0
LAB*LABb 95.6 0.0 0.0
LAB*LABc 95.6 0.0 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 76.23 0.62 3.36
LAB*LABa 76.23 0.0 0.0
LAB*LABb 76.23 0.0 0.0
LAB*LABc 76.23 0.0 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 56.86 0.8 2.08
LAB*LABa 56.86 0.0 0.0
LAB*LABb 56.86 0.0 0.0
LAB*LABc 56.86 0.0 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 (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 37.48 1.18 4.79
LAB*LABa 37.48 0.0 0.0
LAB*LABb 37.48 0.0 0.0
LAB*LABc 37.48 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*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 18.12 1.8 4.9
LAB*LABa 18.12 0.0 0.0
LAB*LABb 18.12 0.0 0.0
LAB*LABc 18.12 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

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 18.12 1.8 4.9
LAB*LABa 18.12 0.0 0.0
LAB*LABb 18.12 0.0 0.0
LAB*LABc 18.12 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

ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

$\% Regularity$

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT)
olv3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 71.77 32.2 25.28
LAB*LABa 71.77 32.2 25.28
LAB*LABb 71.77 32.2 25.28
LAB*LABc 71.77 32.2 25.28

relative CIELAB lab*
lab*lab 0.692 0.393 0.309
lab*tch 0.75 0.5 0.106
lab*nch 0.0 0.5 0.106
relative Natural Colour (NC)
lab*trj 0.692 0.496 0.064
lab*tce 0.75 0.5 0.106
lab*nce 0.0 0.5 0.106

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.25 (1.0)
cmyn3* 0.25 0.75 0.75 (0.0)
olv4* 1.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 52.4 33.06 27.08
LAB*LABa 52.4 33.06 27.08
LAB*LABb 52.4 33.06 27.08
LAB*LABc 52.4 33.06 27.08

relative CIELAB lab*
lab*lab 0.539 0.59 0.463
lab*tch 0.625 0.75 0.106
lab*nch 0.0 0.75 0.106
relative Natural Colour (NC)
lab*trj 0.539 0.744 0.096
lab*tce 0.625 0.75 0.106
lab*nce 0.0 0.75 0.106

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.25 1.0 0.0 (0.0)
olv4* 1.0 0.25 0.25 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 40.48 49.27 38.93
LAB*LABa 40.48 49.27 38.93
LAB*LABb 40.48 49.27 38.93
LAB*LABc 40.48 49.27 38.93

relative CIELAB lab*
lab*lab 0.289 0.59 0.463
lab*tch 0.375 0.75 0.106
lab*nch 0.0 0.75 0.106
relative Natural Colour (NC)
lab*trj 0.289 0.744 0.096
lab*tce 0.375 0.75 0.106
lab*nce 0.0 0.75 0.106

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 1.0 0.25 0.25 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 33.03 32.4 25.28
LAB*LABa 33.03 32.4 25.28
LAB*LABb 33.03 32.4 25.28
LAB*LABc 33.03 32.4 25.28

relative CIELAB lab*
lab*lab 0.193 0.393 0.309
lab*tch 0.25 0.5 0.106
lab*nch 0.0 0.5 0.106
relative Natural Colour (NC)
lab*trj 0.193 0.496 0.064
lab*tce 0.25 0.5 0.106
lab*nce 0.0 0.5 0.106

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.12 1.8 4.9
LAB*LABa 18.12 0.0 0.0
LAB*LABb 18.12 0.0 0.0
LAB*LABc 18.12 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

Output: Colorimetric Television Luminous System TLS00

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

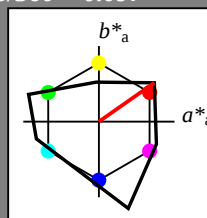
lab^*tch and lab^*nch

A: hue 0

LCH*Ma: 66 90 35

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



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 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*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 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*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 52.4 33.06 27.08
LAB*LABa 52.4 33.06 27.08
LAB*LABb 52.4 33.06 27.08
LAB*LABc 52.4 33.06 27.08

relative CIELAB lab*
lab*lab 0.539 0.59 0.463
lab*tch 0.625 0.75 0.106
lab*nch 0.0 0.75 0.106
relative Natural Colour (NC)
lab*trj 0.539 0.744 0.096
lab*tce 0.625 0.75 0.106
lab*nce 0.0 0.75 0.106

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 0.25 0.25 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.94 65.31 52.06
LAB*LABa 47.94 65.31 52.06
LAB*LABb 47.94 65.31 52.06
LAB*LABc 47.94 65.31 52.06

relative CIELAB lab*
lab*lab 0.385 0.992 0.128
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.385 0.992 0.128
lab*tce 0.5 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* 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 18.12 1.8 4.9
LAB*LABa 18.12 0.0 0.0
LAB*LABb 18.12 0.0 0.0
LAB*LABc 18.12 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

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 18.12 1.8 4.9
LAB*LABa 18.12 0.0 0.0
LAB*LABb 18.12 0.0 0.0
LAB*LABc 18.12 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

TLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	65.56	73.34	51.39	89.55	35
Y _{Ma}	94.78	-3.49	52.24	52.36	94
L _{Ma}	77.48	-92.97	36.0	99.71	159
C _{Ma}	78.36	-82.69	-22.74	85.77	195
V _{Ma}	12.55	38.81	-114.81	121.2	289
M _{Ma}	66.71	76.08	-29.8	81.71	339
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	47.79	61.74	42.56	74.99	35
J _{CIE}	83.82	7.06	70.78	71.13	84
G _{CIE}	49.0	-35.95	4.34	36.22	173
B _{CIE}	25.14	-17.24	-56.24	58.84	253

$\% Regularity$

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

relative Inform. Technology (IT)
olv3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 80.48 36.06 25.69
LAB*LABa 80.48 36.06 25.69
LAB*LABb 80.48 36.06 25.69
LAB*LABc 80.48 36.06 25.69

relative CIELAB lab*
lab*lab 0.843 0.409 0.287
lab*tch 0.75 0.5 0.097
lab*nch 0.0 0.5 0.097
relative Natural Colour (NC)
lab*trj 0.843 0.5 0.007
lab*tce 0.75 0.5 0.007
lab*nce 0.0 0.5 0.007

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.25 (1.0)
cmyn3* 0.25 0.75 0.75 (0.0)
olv4* 1.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.64 36.67 25.7
LAB*LABa 56.64 36.67 25.7
LAB*LABb 56.64 36.67 25.7
LAB*LABc 56.64 36.67 25.7

relative CIELAB lab*
lab*lab 0.539 0.59 0.463
lab*tch 0.625 0.75 0.106
lab*nch 0.0 0.75 0.106
relative Natural Colour (NC)
lab*trj 0.539 0.744 0.096
lab*tce 0.625 0.75 0.106
lab*nce 0.0 0.75 0.106

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 0.25 0.25 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.94 65.31 52.06
LAB*LABa 47.94 65.31 52.06
LAB*LABb 47.94 65.31 52.06
LAB*LABc 47.94 65.31 52.06

relative CIELAB lab*
lab*lab 0.385 0.992 0.128
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.385 0.992 0.128
lab*tce 0.5 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* 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 18.12 1.8 4.9
LAB*LABa 18.12 0.0 0.0
LAB*LABb 18.12 0.0 0.0
LAB*LABc 18.12 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

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 18.12 1.8 4.9
LAB*LABa 18.12 0.0 0.0
LAB*LABb 18.12 0.0 0.0
LAB*LABc 18.12 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

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.25 (1.0)
cmyn3* 0.25 0.75 0.75 (0.0)
olv4* 1.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.64 36.67 25.7
LAB*LABa 56.64 36.67 25.7
LAB*LABb 56.64 36.67 25.7
LAB*LABc 56.64 36.67 25.7

relative CIELAB lab*
lab*lab 0.539 0.59 0.463
lab*tch 0.625 0.75 0.106
lab*nch 0.0 0.75 0.106
relative Natural Colour (NC)
lab*trj 0.539 0.744 0.096
lab*tce 0.625 0.75 0.106
lab*nce 0.0 0.75 0.106

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 0.25 0.25 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.94 65.31 52.06
LAB*LABa 47.94

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 88/360 = 0.246$

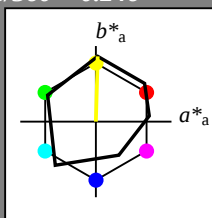
lab^*tch and lab^*nch

A: hue Y

LCH*Ma: 93 86 88

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.6	0.43	4.65
LAB*LAB	95.6	0.0	0.0
LAB*LAB	99.99	0.01	-

relative Inform. Technology (IT)

olv3*	1.0	1.0	0.75	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.75	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	94.85	1.04	26.19
LAB*LAB	94.85	0.0	21.58
LAB*LAB	97.5	21.59	88.4

relative Inform. Technology (IT)

olv3*	1.0	1.0	0.5	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.5	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	94.1	1.65	47.73
LAB*LAB	94.1	1.21	43.18
LAB*LAB	97.5	43.18	88.4

relative Inform. Technology (IT)

olv3*	1.0	1.0	0.25	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.25	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	93.36	2.26	69.27
LAB*LAB	93.36	1.81	64.76
LAB*LAB	97.5	64.76	88.4

relative Inform. Technology (IT)

olv3*	1.0	1.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.0	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	92.61	2.87	90.8
LAB*LAB	92.61	2.41	86.34
LAB*LAB	97.5	86.34	88.4

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(0.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.5	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	92.61	2.87	90.8
LAB*LAB	92.61	2.41	86.34
LAB*LAB	97.5	86.34	88.4

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.25	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	92.61	2.87	90.8
LAB*LAB	92.61	2.41	86.34
LAB*LAB	97.5	86.34	88.4

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.0	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	92.61	2.87	90.8
LAB*LAB	92.61	2.41	86.34
LAB*LAB	97.5	86.34	88.4

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.0	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	92.61	2.87	90.8
LAB*LAB	92.61	2.41	86.34
LAB*LAB	97.5	86.34	88.4

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.0	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	92.61	2.87	90.8
LAB*LAB	92.61	2.41	86.34
LAB*LAB	97.5	86.34	88.4

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 94/360 = 0.261$

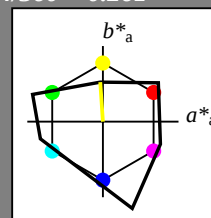
lab^*tch and lab^*nch

A: hue Y

LCH*Ma: 95 52 94

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

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	-

relative Inform. Technology (IT)

olv3*	1.0	1.0	0.75	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.75	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.24	-0.86	13.05
LAB*LAB	95.24	-0.86	13.05
LAB*LAB	97.5	13.05	93.83

relative Inform. Technology (IT)

olv3*	1.0	1.0	0.5	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.5	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.24	-0.86	13.05
LAB*LAB	95.24	-0.86	13.05
LAB*LAB	97.5	13.05	93.83

relative Inform. Technology (IT)

olv3*	1.0	1.0	0.25	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.25	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.24	-0.86	13.05
LAB*LAB	95.24	-0.86	13.05
LAB*LAB	97.5	13.05	93.83

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(0.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.5	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.24	-0.86	13.05
LAB*LAB	95.24	-0.86	13.05
LAB*LAB	97.5	13.05	93.83

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.25	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.24	-0.86	13.05
LAB*LAB	95.24	-0.86	13.05
LAB*LAB	97.5	13.05	93.83

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.0	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.24	-0.86	13.05
LAB*LAB	95.24	-0.86	13.05
LAB*LAB	97.5	13.05	93.83

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.0	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.24	-0.86	13.05
LAB*LAB	95.24	-0.86	13.05
LAB*LAB	97.5	13.05	93.83

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.0	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.24	-0.86	13.05
LAB*LAB	95.24	-0.86	13.05
LAB*LAB	97.5	13.05	93.83

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.0	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.24	-0.86	13.05
LAB*LAB	95.24	-0.86	13.05
LAB*LAB	97.5	13.05	93.83

relative Inform. Technology (IT)

olv3*	1.0	1.0	0.5	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.5	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	94.1	1.65	47.73
LAB*LAB	94.1	1.21	43.18
LAB*LAB	97.5	43.18	88.4

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(0.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.5	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	92.61	2.87	90.8
LAB*LAB	92.61	2.41	86.34
LAB*LAB	97.5	86.34	88.4

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.25	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	92.61	2.87	90.8
LAB*LAB	92.61	2.41	86.34
LAB*LAB	97.5	86.34	88.4

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.0	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	92.61	2.87	90.8
LAB*LAB	92.61	2.41	86.34
LAB*LAB	97.5	86.34	88.4

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.0	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	92.61	2.87	90.8
LAB*LAB	92.61	2.41	86.34
LAB*LAB	97.5	86.34	88.4

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(0.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.5	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	92.61	2.87	90.8
LAB*LAB	92.61	2.41	86.34
LAB*LAB	97.5	86.34	88.4

5 step scales for
8 & ORS18
values

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.42$

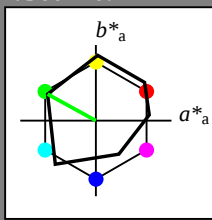
lab^*tch and lab^*nch

A: hue L

LCH*Ma: 51 73 151

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	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

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

LAB*TCHa	87.5	18.19	151.25
relative CIELAB lab*			
lab*lab	0.856	-0.218	0.12
lab*tch	0.875	0.25	0.42
lab*nch	0.0	0.25	0.42
relative Natural Colour (NC)			
lab*lrj	0.856	-0.227	0.102
lab*tce	0.875	0.25	0.433
lab*nce	0.0	0.25	0.433

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 6/360 = 0.017$

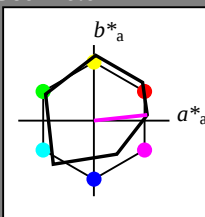
lab^*tch and lab^*nch

A: hue M

LCH*Ma: 56 71 6

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 96$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.76	0.43	4.65
LAB*LAB	56.76	0.43	4.65
LAB*LAB	56.76	0.43	4.65

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

relative Natural Colour (NC)

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)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36
LAB*LAB	76.23	0.62	3.36
LAB*LAB	76.23	0.62	3.36

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

relative Natural Colour (NC)

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*	0.5	0.5	0.5	(0.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.86	0.8	2.08
LAB*LAB	56.86	0.8	2.08
LAB*LAB	56.86	0.8	2.08

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.48	0.79	1.79
LAB*LAB	37.48	0.79	1.79
LAB*LAB	37.48	0.79	1.79

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

relative Natural Colour (NC)

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)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.12	0.49	0.9
LAB*LAB	18.12	0.49	0.9
LAB*LAB	18.12	0.49	0.9

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

relative Natural Colour (NC)

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)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.12	0.49	0.9
LAB*LAB	18.12	0.49	0.9
LAB*LAB	18.12	0.49	0.9

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

relative Natural Colour (NC)

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	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT)

olv3*	1.0	0.5	1.0	(1.0)
olv3*	0.0	0.5	0.0	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
olv4*	0.0	0.5	0.0	(0.0)
olv4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	75.92	35.91	7.13
LAB*LAB	75.92	35.91	7.13
LAB*LAB	75.92	35.91	7.13

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

relative Natural Colour (NC)

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	0.25	0.75	(1.0)
olv3*	0.0	0.25	0.0	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
olv4*	0.0	0.5	0.0	(0.0)
olv4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	66.39	18.36	4.61
LAB*LAB	66.39	18.36	4.61
LAB*LAB	66.39	18.36	4.61

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

relative Natural Colour (NC)

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*	0.5	0.0	0.5	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
olv4*	0.0	0.5	0.0	(0.0)
olv4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.55	36.1	5.85
LAB*LAB	56.55	36.1	5.85
LAB*LAB	56.55	36.1	5.85

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.25	0.0	0.25	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
olv4*	0.0	0.5	0.0	(0.0)
olv4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.02	18.35	3.32
LAB*LAB	47.02	18.35	3.32
LAB*LAB	47.02	18.35	3.32

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

relative Natural Colour (NC)

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)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
olv4*	0.0	0.5	0.0	(0.0)
olv4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	27.65	18.73	2.03
LAB*LAB	27.65	18.73	2.03
LAB*LAB	27.65	18.73	2.03

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

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

$n^* = 0.00$

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

$n^* = 1.0$

chromaticness c^*

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 339/360 = 0.941$

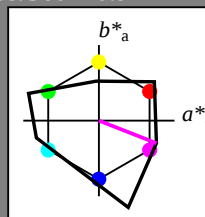
lab^*tch and lab^*nch

A: hue M

LCH*Ma: 67 82 339

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 141$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LAB	95.41	0.0	0.0
LAB*LAB	95.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Natural Colour (NC)

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)
olv3*	0.0	0.75	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	1.0	0.0	(0.0)
olv4*	0.0	1.0	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 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

relative Natural Colour (NC)

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*	0.5	0.5	0.5	(0.0)
olv3*	0.0	0.5	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	1.0	0.0	(0.0)
olv4*	0.0	1.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.25	71.39	9.61
LAB*LAB	56.25	71.39	9.61
LAB*LAB	56.25	71.39	9.61

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

lab*ncE	0.5	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 0.25
cmyn4*	0.0	0.0	0.0 0.75
standard and adapted CIELAB			

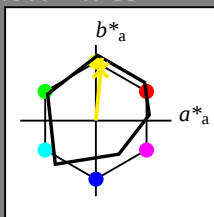
Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 84/360 = 0.235$

lab^*tch and lab^*nch

A: hue J
LCH*Ma: 89 83 84
olv*Ma: 1.0 0.91 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	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

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)
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*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv5*	0.0	0.023	0.25	(0.0)
olv6*	0.0	0.023	0.25	(0.0)
olv7*	0.0	0.023	0.25	(0.0)
olv8*	0.0	0.023	0.25	(0.0)
olv9*	0.0	0.023	0.25	(0.0)
olv10*	0.0	0.023	0.25	(0.0)
olv11*	0.0	0.023	0.25	(0.0)
olv12*	0.0	0.023	0.25	(0.0)
olv13*	0.0	0.023	0.25	(0.0)
olv14*	0.0	0.023	0.25	(0.0)
olv15*	0.0	0.023	0.25	(0.0)
olv16*	0.0	0.023	0.25	(0.0)
olv17*	0.0	0.023	0.25	(0.0)
olv18*	0.0	0.023	0.25	(0.0)
olv19*	0.0	0.023	0.25	(0.0)
olv20*	0.0	0.023	0.25	(0.0)
olv21*	0.0	0.023	0.25	(0.0)
olv22*	0.0	0.023	0.25	(0.0)
olv23*	0.0	0.023	0.25	(0.0)
olv24*	0.0	0.023	0.25	(0.0)
olv25*	0.0	0.023	0.25	(0.0)
olv26*	0.0	0.023	0.25	(0.0)
olv27*	0.0	0.023	0.25	(0.0)
olv28*	0.0	0.023	0.25	(0.0)
olv29*	0.0	0.023	0.25	(0.0)
olv30*	0.0	0.023	0.25	(0.0)
olv31*	0.0	0.023	0.25	(0.0)
olv32*	0.0	0.023	0.25	(0.0)
olv33*	0.0	0.023	0.25	(0.0)
olv34*	0.0	0.023	0.25	(0.0)
olv35*	0.0	0.023	0.25	(0.0)
olv36*	0.0	0.023	0.25	(0.0)
olv37*	0.0	0.023	0.25	(0.0)
olv38*	0.0	0.023	0.25	(0.0)
olv39*	0.0	0.023	0.25	(0.0)
olv40*	0.0	0.023	0.25	(0.0)
olv41*	0.0	0.023	0.25	(0.0)
olv42*	0.0	0.023	0.25	(0.0)
olv43*	0.0	0.023	0.25	(0.0)
olv44*	0.0	0.023	0.25	(0.0)
olv45*	0.0	0.023	0.25	(0.0)
olv46*	0.0	0.023	0.25	(0.0)
olv47*	0.0	0.023	0.25	(0.0)
olv48*	0.0	0.023	0.25	(0.0)
olv49*	0.0	0.023	0.25	(0.0)
olv50*	0.0	0.023	0.25	(0.0)
olv51*	0.0	0.023	0.25	(0.0)
olv52*	0.0	0.023	0.25	(0.0)
olv53*	0.0	0.023	0.25	(0.0)
olv54*	0.0	0.023	0.25	(0.0)
olv55*	0.0	0.023	0.25	(0.0)
olv56*	0.0	0.023	0.25	(0.0)
olv57*	0.0	0.023	0.25	(0.0)
olv58*	0.0	0.023	0.25	(0.0)
olv59*	0.0	0.023	0.25	(0.0)
olv60*	0.0	0.023	0.25	(0.0)
olv61*	0.0	0.023	0.25	(0.0)
olv62*	0.0	0.023	0.25	(0.0)
olv63*	0.0	0.023	0.25	(0.0)
olv64*	0.0	0.023	0.25	(0.0)
olv65*	0.0	0.023	0.25	(0.0)
olv66*	0.0	0.023	0.25	(0.0)
olv67*	0.0	0.023	0.25	(0.0)
olv68*	0.0	0.023	0.25	(0.0)
olv69*	0.0	0.023	0.25	(0.0)
olv70*	0.0	0.023	0.25	(0.0)
olv71*	0.0	0.023	0.25	(0.0)
olv72*	0.0	0.023	0.25	(0.0)
olv73*	0.0	0.023	0.25	(0.0)
olv74*	0.0	0.023	0.25	(0.0)
olv75*	0.0	0.023	0.25	(0.0)
olv76*	0.0	0.023	0.25	(0.0)
olv77*	0.0	0.023	0.25	(0.0)
olv78*	0.0	0.023	0.25	(0.0)
olv79*	0.0	0.023	0.25	(0.0)
olv80*	0.0	0.023	0.25	(0.0)
olv81*	0.0	0.023	0.25	(0.0)
olv82*	0.0	0.023	0.25	(0.0)
olv83*	0.0	0.023	0.25	(0.0)
olv84*	0.0	0.023	0.25	(0.0)
olv85*	0.0	0.023	0.25	(0.0)
olv86*	0.0	0.023	0.25	(0.0)
olv87*	0.0	0.023	0.25	(0.0)
olv88*	0.0	0.023	0.25	(0.0)
olv89*	0.0	0.023	0.25	(0.0)
olv90*	0.0	0.023	0.25	(0.0)
olv91*	0.0	0.023	0.25	(0.0)
olv92*	0.0	0.023	0.25	(0.0)
olv93*	0.0	0.023	0.25	(0.0)
olv94*	0.0	0.023	0.25	(0.0)
olv95*	0.0	0.023	0.25	(0.0)
olv96*	0.0	0.023	0.25	(0.0)
olv97*	0.0	0.023	0.25	(0.0)
olv98*	0.0	0.023	0.25	(0.0)
olv99*	0.0	0.023	0.25	(0.0)
olv100*	0.0	0.023	0.25	(0.0)

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv5*	0.0	0.023	0.25	(0.0)
olv6*	0.0	0.023	0.25	(0.0)
olv7*	0.0	0.023	0.25	(0.0)
olv8*	0.0	0.023	0.25	(0.0)
olv9*	0.0	0.023	0.25	(0.0)
olv10*	0.0	0.023	0.25	(0.0)
olv11*	0.0	0.023	0.25	(0.0)
olv12*	0.0	0.023	0.25	(0.0)
olv13*	0.0	0.023	0.25	(0.0)
olv14*	0.0	0.023	0.25	(0.0)
olv15*	0.0	0.023	0.25	(0.0)
olv16*	0.0	0.023	0.25	(0.0)
olv17*	0.0	0.023	0.25	(0.0)
olv18*	0.0	0.023	0.25	(0.0)
olv19*	0.0	0.023	0.25	(0.0)
olv20*	0.0	0.023	0.25	(0.0)
olv21*	0.0	0.023	0.25	(0.0)
olv22*	0.0	0.023	0.25	(0.0)
olv23*	0.0	0.023	0.25	(0.0)
olv24*	0.0	0.023	0.25	(0.0)
olv25*	0.0	0.023	0.25	(0.0)
olv26*	0.0	0.023	0.25	(0.0)
olv27*	0.0	0.023	0.25	(0.0)
olv28*	0.0	0.023	0.25	(0.0)
olv29*	0.0	0.023	0.25	(0.0)
olv30*	0.0	0.023	0.25	(0.0)
olv31*	0.0	0.023	0.25	(0.0)
olv32*	0.0	0.023	0.25	(0.0)
olv33*	0.0	0.023	0.25	(0.0)
olv34*	0.0	0.023	0.25	(0.0)
olv35*	0.0	0.023	0.25	(0

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 176/360 = 0.488$

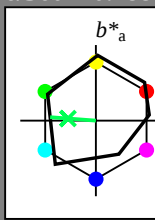
lab^*tch and lab^*nch

A: hue G

LCH*Ma: 51 61 176

olv*Ma: 0.0 1.0 0.33

triangle lightness t^*



% Gamut

$u^*_{rel} = 96$

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 95.6 0.43 4.65
LAB*LAB 95.6 0.0 0.0
LAB*TCRa 99.99 0.01

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

relative Inform. Technology (IT)
olv3* 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 76.23 0.62 3.36
LAB*LAB 76.23 0.0 0.0
LAB*TCRa 75.0 0.01

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

relative Inform. Technology (IT)
olv3* 0.5 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 56.86 0.8 2.08
LAB*LAB 56.86 0.0 0.0
LAB*TCRa 50.0 0.01

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

relative Inform. Technology (IT)
olv3* 0.25 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 37.48 1.18 0.79
LAB*LAB 37.48 0.0 0.0
LAB*TCRa 25.0 0.01

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

relative Inform. Technology (IT)
olv3* 0.0 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 18.12 1.8 0.49
LAB*LAB 18.12 0.0 0.0
LAB*TCRa 0.0 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*trc 0.0 0.0 0.0
lab*ncc 1.0 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 18.12 1.8 0.49
LAB*LAB 18.12 0.0 0.0
LAB*TCRa 0.0 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*trc 0.0 0.0 0.0
lab*ncc 1.0 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	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT)

olv3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.3 -29.59 5.45
LAB*LAB 73.3 -30.23 2.28
LAB*TCRa 75.0 30.33 175.69

relative CIELAB lab*
lab*lab 0.712 -0.497 0.038
lab*tch 0.712 -0.497 0.038
lab*nch 0.0 0.5 0.488
relative Natural Colour (NC)
lab*trj 0.712 -0.497 0.038
lab*trc 0.712 -0.497 0.038
lab*ncc 0.0 0.5 0.488

relative Inform. Technology (IT)

olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 53.93 -30.24 2.28
LAB*LAB 53.93 -30.24 2.28
LAB*TCRa 50.0 30.34 175.69

relative CIELAB lab*
lab*lab 0.462 -0.498 0.038
lab*tch 0.462 -0.498 0.038
lab*nch 0.0 0.5 0.488
relative Natural Colour (NC)
lab*trj 0.462 -0.498 0.038
lab*trc 0.462 -0.498 0.038
lab*ncc 0.0 0.5 0.488

relative Inform. Technology (IT)

olv3* 0.0 0.5 0.5 (0.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 34.57 -29.21 2.28
LAB*LAB 34.57 -29.21 2.28
LAB*TCRa 25.01 30.33 175.68

relative CIELAB lab*
lab*lab 0.212 -0.497 0.038
lab*tch 0.212 -0.497 0.038
lab*nch 0.0 0.5 0.488
relative Natural Colour (NC)
lab*trj 0.212 -0.497 0.038
lab*trc 0.212 -0.497 0.038
lab*ncc 0.0 0.5 0.488

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 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 18.12 1.8 0.49
LAB*LAB 18.12 0.0 0.0
LAB*TCRa 0.0 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*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 173/360 = 0.481$

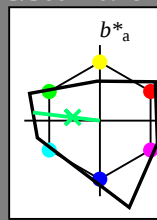
lab^*tch and lab^*nch

A: hue G

LCH*Ma: 78 89 173

olv*Ma: 0.0 1.0 0.43

triangle lightness t^*



% Gamut

$u^*_{rel} = 141$

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*TCRa 99.99 0.01

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

relative Inform. Technology (IT)
olv3* 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*LAB 71.57 0.0 0.0
LAB*TCRa 75.0 0.01

relative CIELAB lab*
lab*lab 0.712 -0.497 0.038
lab*tch 0.712 -0.497 0.038
lab*nch 0.0 0.5 0.488
relative Natural Colour (NC)
lab*trj 0.712 -0.497 0.038
lab*trc 0.712 -0.497 0.038
lab*ncc 0.0 0.5 0.488

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 51.02 -59.62 6.26
LAB*LAB 51.02 -59.62 6.26
LAB*TCRa 50.0 60.66 175.69

relative CIELAB lab*
lab*lab 0.425 -0.996 0.075
lab*tch 0.425 -0.996 0.075
lab*nch 0.0 1.0 0.488
relative Natural Colour (NC)
lab*trj 0.425 -0.996 0.075
lab*trc 0.425 -0.996 0.075
lab*ncc 0.0 1.0 0.488

relative Inform. Technology (IT)

olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 34.57 -29.21 2.28
LAB*LAB 34.57 -29.21 2.28
LAB*TCRa 25.01 30.33 175.68

relative CIELAB lab*
lab*lab 0.212 -0.497 0.038
lab*tch 0.212 -0.497 0.038
lab*nch 0.0 0.5 0.488
relative Natural Colour (NC)
lab*trj 0.212 -0.497 0.038
lab*trc 0.212 -0.497 0.038
lab*ncc 0.0 0.5 0.488

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 18.12 1.8 0.49
LAB*LAB 18.12 0.0 0.0
LAB*TCRa 0.0 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*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	65.56	73.34	51.39	89.55	35
Y _{Ma}	94.78	-3.49	52.24	52.36	94
L _{Ma}	77.48	-92.97	36.0	99.71	159
C _{Ma}	78.36	-82.69	-22.74	85.77	195
V _{Ma}	12.55	38.81	-114.81	121.2	289
M _{Ma}	66.71	76.08	-29.8	81.71	339
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	47.79	61.74	42.56	74.99	35
J _{CIE}	83.82	7.06	70.78	71.13	84
G _{CIE}	49.0	-35.95	4.34	36.22	173
B _{CIE}	25.14	-17.24	-56.24	58.84	253

%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

relative Inform. Technology (IT)

olv3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.3 -29.59 5.45
LAB*LAB 73.3 -30.23 2.28
LAB*TCRa 75.0 30.33 175.69

relative CIELAB lab*
lab*lab 0.712 -0.497 0.038
lab*tch 0.712 -0.497 0.038
lab*nch 0.0 0.5 0.488
relative Natural Colour (NC)
lab*trj 0.712 -0.497 0.038
lab*trc 0.712 -0.497 0.038
lab*ncc 0.0 0.5 0.488

relative Inform. Technology (IT)

olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 53.93 -30.24 2.28
LAB*LAB 53.93 -30.24 2.28
LAB*TCRa 50.0 30.34 175.69

relative CIELAB lab*
lab*lab 0.462 -0.498 0.038
lab*tch 0.462 -0.498 0.038
lab*nch 0.0 0.5 0.488
relative Natural Colour (NC)
lab*trj 0.462 -0.498 0.038
lab*trc 0.462 -0.498 0.038
lab*ncc 0.0 0.5 0.488

relative Inform. Technology (IT)

olv3* 0.0 0.5 0.5 (0.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 34.57 -29.21 2.28
LAB*LAB 34.57 -29.21 2.28
LAB*TCRa 25.01 30.33 175.68

relative CIELAB lab*
lab*lab 0.212 -0.497 0.038
lab*tch 0.212 -0.497 0.038
lab*nch 0.0 0.5 0.488
relative Natural Colour (NC)
lab*trj 0.212 -0.497 0.038
lab*trc 0.212 -0.497 0.038
lab*ncc 0.0 0.5 0.488

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 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 18.12 1.8 0.49
LAB*LAB 18.12 0.0 0.0
LAB*TCRa 0.0 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*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

RE500-7, 5 step scales for constant CIELAB hue 176/360 = 0.488 (left)

5 step scales for constant CIELAB hue 173/360 = 0.481 (right)

BAM-test chart RE50; Colorimetric systems ORS18 & ORS18

A: 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 $h^* = lab^*h = 252/360 = 0.7$

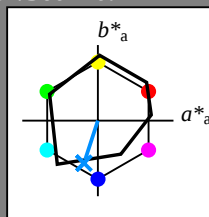
lab^*tch and lab^*nch

A: hue B

LCH*Ma: 40 55 252

olv*Ma: 0.0 0.56 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	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

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	95.6	0.43	4.65
LAB*LAB	95.6	0.0	0.0
LAB*LAB	95.6	0.0	0.0
LAB*LAB	95.6	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	0.0	1.0	0.0
lab*lab	0.0	0.0	1.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*trj	0.0	1.0	0.0
lab*trj	0.0	0.0	1.0
lab*trj	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(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	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative CIELAB lab*

lab*lab	0.821	0.0	-0.249
lab*lab	0.875	0.25	0.7
lab*lab	0.875	0.25	0.7
lab*lab	0.875	0.25	0.7

relative Natural Colour (NC)

lab*trj	0.821	0.0	-0.249
lab*trj	0.875	0.25	0.7
lab*trj	0.875	0.25	0.7
lab*trj	0.875	0.25	0.7

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(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	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative CIELAB lab*

lab*lab	0.821	0.0	-0.249
lab*lab	0.875	0.25	0.7
lab*lab	0.875	0.25	0.7
lab*lab	0.875	0.25	0.7

relative Natural Colour (NC)

lab*trj	0.821	0.0	-0.249
lab*trj	0.875	0.25	0.7
lab*trj	0.875	0.25	0.7
lab*trj	0.875	0.25	0.7

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(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	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative CIELAB lab*

lab*lab	0.821	0.0	-0.249
lab*lab	0.875	0.25	0.7
lab*lab	0.875	0.25	0.7
lab*lab	0.875	0.25	0.7

relative Natural Colour (NC)

lab*trj	0.821	0.0	-0.249
lab*trj	0.875	0.25	0.7
lab*trj	0.875	0.25	0.7
lab*trj	0.875	0.25	0.7

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(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	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative CIELAB lab*

lab*lab	0.821	0.0	-0.249
lab*lab	0.875	0.25	0.7
lab*lab	0.875	0.25	0.7
lab*lab	0.875	0.25	0.7

relative Natural Colour (NC)

lab*trj	0.821	0.0	-0.249
lab*trj	0.875	0.25	0.7
lab*trj	0.875	0.25	0.7
lab*trj	0.875	0.25	0.7

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(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	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative CIELAB lab*

lab*lab	0.821	0.0	-0.249
lab*lab	0.875	0.25	0.7
lab*lab	0.875	0.25	0.7
lab*lab	0.875	0.25	0.7

relative Natural Colour (NC)

lab*trj	0.821	0.0	-0.249
lab*trj	0.875	0.25	0.7
lab*trj	0.875	0.25	0.7
lab*trj	0.875	0.25	0.7

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(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	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative CIELAB lab*

lab*lab	0.821	0.0	-0.249
lab*lab	0.875	0.25	0.7
lab*lab	0.875	0.25	0.7
lab*lab	0.875	0.25	0.7

relative Natural Colour (NC)

lab*trj	0.821	0.0	-0.249
lab*trj	0.875	0.25	0.7
lab*trj	0.875	0.25	0.7
lab*trj	0.875	0.25	0.7

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(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	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative CIELAB lab*

lab*lab	0.821	0.0	-0.249
lab*lab	0.875	0.25	0.7
lab*lab	0.875	0.25	0.7
lab*lab	0.875	0.25	0.7

relative Natural Colour (NC)

lab*trj	0.821	0.0	-0.249
lab*trj	0.875	0.25	0.7
lab*trj	0.875	0.25	0.7
lab*trj	0.875	0.25	0.7

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(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	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative CIELAB lab*

lab*lab	0.821	0.0	-0.249
lab*lab	0.875	0.25	0.7
lab*lab	0.875	0.25	0.7
lab*lab	0.875	0.25	0.7

relative Natural Colour (NC)

lab*trj	0.821	0.0	-0.249
lab*trj	0.875	0.25	0.7
lab*trj	0.875	0.25	0.7
lab*trj	0.875	0.25	0.7

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 253/360 = 0.703$

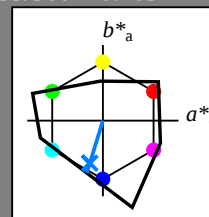
lab^*tch and lab^*nch

A: hue B

LCH*Ma: 45 72 253

olv*Ma: 0.0 0.49 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}	65.56	73.34	51.39	89.55	35
Y _{Ma}	94.78	-3.49	52.24	52.36	94
L _{Ma}	77.48	-92.97	36.0	99.71	159
C _{Ma}	78.36	-82.69	-22.74	85.77	195
V _{Ma}	12.55	38.81	-114.81	121.2	289
M _{Ma}	66.71	76.08	-29.8	81.71	339
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	47.79	61.74	42.56	74.99	35
J _{CIE}	83.82	7.06	70.78	71.13	84
G _{CIE}	49.0	-35.95	4.34	36.22	173
B _{CIE}	25.14	-17.24	-56.24	58.84	253

%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

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	95.41	0.0	0.0
LAB*LAB	95.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	0.0	1.0	0.0
lab*lab	0.0	0.0	1.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*trj	0.0	1.0	0.0
lab*trj	0.0	0.0	1.0
lab*trj	0.0	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	-
lab*ncH	0.0	0.0	-
relative Natural Colour (NC)			
lab*lrj	1.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*ncE	0.0	0.0	-