

Input: Colorimetric Offset Reflective System ORS18

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

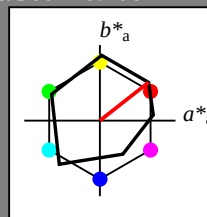
lab^*tch and lab^*nch

A: hue 0

LCH*Ma: 48 82 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



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)
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*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 0.0
relative Natural Colour (NC)
lab*trj 1.0 1.0 1.0
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*TCHa 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*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 (1.0)
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*TCHa 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*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 0.79
LAB*LABa 37.49 0.0 0.0
LAB*TCHa 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*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 0.49
LAB*LABa 18.12 0.0 0.0
LAB*TCHa 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*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 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 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*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 0.75 0.75 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olv4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 83.68 16.4 16.51
LAB*LABa 83.68 16.1 12.64
LAB*TCHa 97.5 20.47 38.14

relative CIELAB lab*
lab*lab 1.0 0.846 0.197 0.154
lab*tch 0.875 0.25 0.106
lab*nch 0.0 0.25 0.106
relative Natural Colour (NC)
lab*trj 0.846 0.248 0.032
lab*tce 0.875 0.25 0.02
lab*nce 0.0 0.25 0.09

relative Inform. Technology (IT)
olv3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olv4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 64.31 16.84 15.22
LAB*LABa 64.31 16.1 12.64
LAB*TCHa 62.5 20.48 38.14

relative CIELAB lab*
lab*lab 0.586 0.197 0.154
lab*tch 0.625 0.25 0.106
lab*nch 0.25 0.25 0.106
relative Natural Colour (NC)
lab*trj 0.586 0.248 0.032
lab*tce 0.625 0.25 0.02
lab*nce 0.25 0.25 0.09

relative Inform. Technology (IT)
olv3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.75 0.75 (0.0)
olv4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 44.33 17.02 13.94
LAB*LABa 44.33 17.02 13.94
LAB*TCHa 37.5 20.48 38.14

relative CIELAB lab*
lab*lab 0.346 0.197 0.154
lab*tch 0.375 0.25 0.106
lab*nch 0.25 0.25 0.106
relative Natural Colour (NC)
lab*trj 0.346 0.248 0.032
lab*tce 0.375 0.25 0.02
lab*nce 0.25 0.25 0.09

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 0.0 0.0 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 33.03 32.4 25.28
LAB*LABa 33.03 32.4 25.28
LAB*TCHa 25.01 40.94 38.14

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 0.02
lab*nce 0.0 0.5 0.09

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 25.37 17.21 12.65
LAB*LABa 25.37 16.1 12.64
LAB*TCHa 12.5 20.47 38.14

relative CIELAB lab*
lab*lab 0.096 0.197 0.154
lab*tch 0.125 0.25 0.106
lab*nch 0.0 0.25 0.106
relative Natural Colour (NC)
lab*trj 0.096 0.248 0.032
lab*tce 0.125 0.25 0.02
lab*nce 0.0 0.25 0.09

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 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*TCHa 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*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

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 32.25 25.28
LAB*LABa 71.77 32.25 25.28
LAB*TCHa 75.0 40.94 38.14

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 0.02
lab*nce 0.0 0.5 0.09

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 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 52.4 33.06 27.08
LAB*LABa 52.4 32.21 25.29
LAB*TCHa 50.0 40.94 38.14

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 0.02
lab*nce 0.0 0.75 0.09

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 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 47.94 65.31 52.06
LAB*LABa 47.94 64.41 50.57
LAB*TCHa 50.0 81.89 38.14

relative CIELAB lab*
lab*lab 0.385 0.786 0.617
lab*tch 0.5 0.0 0.106
lab*nch 0.0 0.0 0.106
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 0.08

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olv4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 40.48 49.27 38.93
LAB*LABa 40.49 48.31 37.93
LAB*TCHa 37.51 61.42 38.14

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 0.02
lab*nce 0.0 0.75 0.08

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 33.03 32.4 25.28
LAB*LABa 33.03 32.4 25.28
LAB*TCHa 25.01 40.94 38.14

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 0.02
lab*nce 0.0 0.5 0.09

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 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*TCHa 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*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 0.25 0.25 (1.0)
cmyn3* 0.0 0.75 0.75 (0.0)
olv4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 59.85 49.08 40.21
LAB*LABa 59.85 48.31 37.93
LAB*TCHa 62.5 61.42 38.14

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 0.02
lab*nce 0.0 0.75 0.09

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
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 64.41 50.57
LAB*TCHa 50.0 81.89 38.14

relative CIELAB lab*
lab*lab 0.385 0.786 0.617
lab*tch 0.5 0.0 0.106
lab*nch 0.0 0.0 0.106
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 0.08

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 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 47.94 65.31 52.06
LAB*LABa 47.94 64.41 50.57
LAB*TCHa 50.0 81.89 38.14

relative CIELAB lab*
lab*lab 0.385 0.786 0.617
lab*tch 0.5 0.0 0.106
lab*nch 0.0 0.0 0.106
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 0.08

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olv4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 40.48 49.27 38.93
LAB*LABa 40.49 48.31 37.93
LAB*TCHa 37.51 61.42 38.14

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 0.02
lab*nce 0.0 0.75 0.08

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 33.03 32.4 25.28
LAB*LABa 33.03 32.4 25.28
LAB*TCHa 25.01 40.94 38.14

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 0.02
lab*nce 0.0 0.5 0.09

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 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*TCHa 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*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 0.0 0.0 (1.0)
cmyn3* 0.0 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 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 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*TCHa 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*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 (1.0)
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 64.1 18.33 12.85
LAB*LABa 64.1 18.33 12.85
LAB*TCHa 62.5 22.39 35.02

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 0.875 0.5 0.002
lab*nce 0.0 0.5 0.001

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 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.64 36.67 25.7
LAB*LABa 56.64 36.67 25.7
LAB*TCHa 50.0 44.77 35.02

relative CIELAB lab*
lab*lab 0.584 0.409 0.287
lab*tch 0.5 0.5 0.097
lab*nch 0.0 0.5 0.097
relative Natural Colour (NC)
lab*trj 0.584 0.5 0.007
lab*tce 0.625 0.5 0.002
lab*nce 0.0 0.5 0.001

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 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 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 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*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

Input: Colorimetric Offset Reflective System ORS18

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

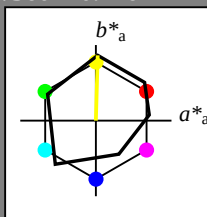
lab^*tch and lab^*nch

A: hue Y

LCH*Ma: 93 86 88

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



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)
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* 1.0 1.0 0.75 (1.0)
cmyn3* 0.0 0.0 0.75 (0.0)
olv4* 1.0 1.0 0.75 (1.0)
cmyn4* 0.0 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 94.85 1.04 26.19
LAB*LABa 94.85 0.0 21.58
LAB*LABb 94.85 0.0 21.58
LAB*LABc 94.85 0.0 21.58

relative CIELAB lab*
lab*lab 0.99 0.007 0.25
lab*tch 0.875 0.25 0.246
lab*nch 0.0 0.25 0.246
relative Natural Colour (NC)
lab*trj 0.99 -0.016 0.249
lab*tce 0.875 0.25 0.246
lab*nce 0.0 0.25 0.246

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 1.0 (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 0.007 0.25
lab*tch 0.875 0.25 0.246
lab*nch 0.0 0.25 0.246
relative Natural Colour (NC)
lab*trj 0.99 -0.016 0.249
lab*tce 0.875 0.25 0.246
lab*nce 0.0 0.25 0.246

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olv4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 94.1 1.65 47.73
LAB*LABa 94.1 0.0 43.17
LAB*LABb 94.1 0.0 43.17
LAB*LABc 94.1 0.0 43.17

relative CIELAB lab*
lab*lab 0.981 0.014 0.5
lab*tch 0.75 0.5 0.246
lab*nch 0.0 0.5 0.246
relative Natural Colour (NC)
lab*trj 0.981 -0.033 0.499
lab*tce 0.75 0.5 0.246
lab*nce 0.0 0.5 0.246

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 0.25 (1.0)
cmyn4* 0.0 0.0 0.25 (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 0.007 0.25
lab*tch 0.875 0.25 0.246
lab*nch 0.0 0.25 0.246
relative Natural Colour (NC)
lab*trj 0.99 -0.016 0.249
lab*tce 0.875 0.25 0.246
lab*nce 0.0 0.25 0.246

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 0.25 (1.0)
cmyn4* 0.0 0.0 0.25 (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 0.981 0.014 0.5
lab*tch 0.75 0.5 0.246
lab*nch 0.0 0.5 0.246
relative Natural Colour (NC)
lab*trj 0.981 -0.033 0.499
lab*tce 0.75 0.5 0.246
lab*nce 0.0 0.5 0.246

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 (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 0.75 0.007 0.25
lab*tch 0.875 0.25 0.246
lab*nch 0.0 0.25 0.246
relative Natural Colour (NC)
lab*trj 0.99 -0.016 0.249
lab*tce 0.875 0.25 0.246
lab*nce 0.0 0.25 0.246

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 (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 0.981 0.014 0.5
lab*tch 0.75 0.5 0.246
lab*nch 0.0 0.5 0.246
relative Natural Colour (NC)
lab*trj 0.981 -0.033 0.499
lab*tce 0.75 0.5 0.246
lab*nce 0.0 0.5 0.246

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 (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 0.981 0.014 0.5
lab*tch 0.75 0.5 0.246
lab*nch 0.0 0.5 0.246
relative Natural Colour (NC)
lab*trj 0.981 -0.033 0.499
lab*tce 0.75 0.5 0.246
lab*nce 0.0 0.5 0.246

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 (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 0.981 0.014 0.5
lab*tch 0.75 0.5 0.246
lab*nch 0.0 0.5 0.246
relative Natural Colour (NC)
lab*trj 0.981 -0.033 0.499
lab*tce 0.75 0.5 0.246
lab*nce 0.0 0.5 0.246

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 (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 0.981 0.014 0.5
lab*tch 0.75 0.5 0.246
lab*nch 0.0 0.5 0.246
relative Natural Colour (NC)
lab*trj 0.981 -0.033 0.499
lab*tce 0.75 0.5 0.246
lab*nce 0.0 0.5 0.246

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 (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 0.981 0.014 0.5
lab*tch 0.75 0.5 0.246
lab*nch 0.0 0.5 0.246
relative Natural Colour (NC)
lab*trj 0.981 -0.033 0.499
lab*tce 0.75 0.5 0.246
lab*nce 0.0 0.5 0.246

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 (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 0.981 0.014 0.5
lab*tch 0.75 0.5 0.246
lab*nch 0.0 0.5 0.246
relative Natural Colour (NC)
lab*trj 0.981 -0.033 0.499
lab*tce 0.75 0.5 0.246
lab*nce 0.0 0.5 0.246

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 (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 0.981 0.014 0.5
lab*tch 0.75 0.5 0.246
lab*nch 0.0 0.5 0.246
relative Natural Colour (NC)
lab*trj 0.981 -0.033 0.499
lab*tce 0.75 0.5 0.246
lab*nce 0.0 0.5 0.246

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 (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 0.981 0.014 0.5
lab*tch 0.75 0.5 0.246
lab*nch 0.0 0.5 0.246
relative Natural Colour (NC)
lab*trj 0.981 -0.033 0.499
lab*tce 0.75 0.5 0.246
lab*nce 0.0 0.5 0.246

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 (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 0.981 0.014 0.5
lab*tch 0.75 0.5 0.246
lab*nch 0.0 0.5 0.246
relative Natural Colour (NC)
lab*trj 0.981 -0.033 0.499
lab*tce 0.75 0.5 0.246
lab*nce 0.0 0.5 0.246

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 (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 0.981 0.014 0.5
lab*tch 0.75 0.5 0.246
lab*nch 0.0 0.5 0.246
relative Natural Colour (NC)
lab*trj 0.981 -0.033 0.499
lab*tce 0.75 0.5 0.246
lab*nce 0.0 0.5 0.246

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 (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 0.981 0.014 0.5
lab*tch 0.75 0.5 0.246
lab*nch 0.0 0.5 0.246
relative Natural Colour (NC)
lab*trj 0.981 -0.033 0.499
lab*tce 0.75 0.5 0.246
lab*nce 0.0 0.5 0.246

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 (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 0.981 0.014 0.5
lab*tch 0.75 0.5 0.246
lab*nch 0.0 0.5 0.246
relative Natural Colour (NC)
lab*trj 0.981 -0.033 0.499
lab*tce 0.75 0.5 0.246
lab*nce 0.0 0.5 0.246

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 (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 0.981 0.014 0.5
lab*tch 0.75 0.5 0.246
lab*nch 0.0 0.5 0.246
relative Natural Colour (NC)
lab*trj 0.981 -0.033 0.499
lab*tce 0.75 0.5 0.246
lab*nce 0.0 0.5 0.246

Output: Colorimetric Television Luminous System TLS00

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

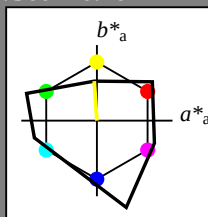
lab^*tch and lab^*nch

A: hue Y

LCH*Ma: 95 52 94

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



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)
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* 1.0 1.0 0.75 (1.0)
cmyn3* 0.0 0.0 0.75 (0.0)
olv4* 1.0 1.0 0.75 (1.0)
cmyn4* 0.0 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 95.24 -0.86 13.05
LAB*LABa 95.24 -0.86 13.05
LAB*LABb 95.24 -0.86 13.05
LAB*LABc 95.24 -0.86 13.05

relative CIELAB lab*
lab*lab 0.998 -0.016 0.249
lab*tch 0.875 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.998 -0.016 0.249
lab*tce 0.875 0.25 0.261
lab*nce 0.0 0.25 0.261

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 1.0 (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 1.0 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 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 0.5 (1.0)
cmyn3* 0.25 0.2

Input: Colorimetric Offset Reflective System ORS18

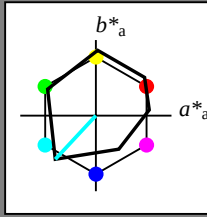
for hue $h^* = lab^*h = 227/360 = 0.631$
 lab^*tch and lab^*nch

A: hue C

LCH*Ma: 51 79 227

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 96$

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

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

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

1.00

0.75

$n^* = 0.00$

0.25

0.00

chromaticness c^*

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

0.25

0.50

0.75

1.00

RE500-7, 5 step scales for constant CIELAB hue 227/360 = 0.631 (left)

BAM-test chart RE50; Colorimetric systems ORS18 & TLS00

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

Output: Colorimetric Television Luminous System TLS00

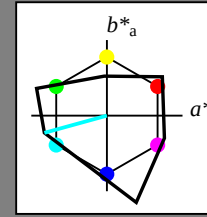
for hue $h^* = lab^*h = 195/360 = 0.543$
 lab^*tch and lab^*nch

A: hue C

LCH*Ma: 78 86 195

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 141$

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

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

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

1.00

0.75

$n^* = 0.00$

0.25

0.00

chromaticness c^*

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

0.25

0.50

0.75

1.00

5 step scales for constant CIELAB hue 195/360 = 0.543 (right)

input: $olv^* setrgbcolor$

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 304/360 = 0.845$

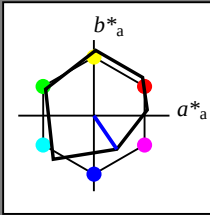
lab^*tch and lab^*nch

A: hue V

LCH*Ma: 26 54 304

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data

	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	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
RC _{IE}	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*	0.0	0.0	1.0	(0.0)
olv4*	0.0	0.0	1.0	(0.0)
olv5*	0.0	0.0	1.0	(0.0)
olv6*	0.0	0.0	1.0	(0.0)
olv7*	0.0	0.0	1.0	(0.0)
olv8*	0.0	0.0	1.0	(0.0)
olv9*	0.0	0.0	1.0	(0.0)
olv10*	0.0	0.0	1.0	(0.0)
olv11*	0.0	0.0	1.0	(0.0)
olv12*	0.0	0.0	1.0	(0.0)
olv13*	0.0	0.0	1.0	(0.0)
olv14*	0.0	0.0	1.0	(0.0)
olv15*	0.0	0.0	1.0	(0.0)
olv16*	0.0	0.0	1.0	(0.0)
olv17*	0.0	0.0	1.0	(0.0)
olv18*	0.0	0.0	1.0	(0.0)
olv19*	0.0	0.0	1.0	(0.0)
olv20*	0.0	0.0	1.0	(0.0)
olv21*	0.0	0.0	1.0	(0.0)
olv22*	0.0	0.0	1.0	(0.0)
olv23*	0.0	0.0	1.0	(0.0)
olv24*	0.0	0.0	1.0	(0.0)
olv25*	0.0	0.0	1.0	(0.0)
olv26*	0.0	0.0	1.0	(0.0)
olv27*	0.0	0.0	1.0	(0.0)
olv28*	0.0	0.0	1.0	(0.0)
olv29*	0.0	0.0	1.0	(0.0)
olv30*	0.0	0.0	1.0	(0.0)
olv31*	0.0	0.0	1.0	(0.0)
olv32*	0.0	0.0	1.0	(0.0)
olv33*	0.0	0.0	1.0	(0.0)
olv34*	0.0	0.0	1.0	(0.0)
olv35*	0.0	0.0	1.0	(0.0)
olv36*	0.0	0.0	1.0	(0.0)
olv37*	0.0	0.0	1.0	(0.0)
olv38*	0.0	0.0	1.0	(0.0)
olv39*	0.0	0.0	1.0	(0.0)
olv40*	0.0	0.0	1.0	(0.0)
olv41*	0.0	0.0	1.0	(0.0)
olv42*	0.0	0.0	1.0	(0.0)
olv43*	0.0	0.0	1.0	(0.0)
olv44*	0.0	0.0	1.0	(0.0)
olv45*	0.0	0.0	1.0	(0.0)
olv46*	0.0	0.0	1.0	(0.0)
olv47*	0.0	0.0	1.0	(0.0)
olv48*	0.0	0.0	1.0	(0.0)
olv49*	0.0	0.0	1.0	(0.0)
olv50*	0.0	0.0	1.0	(0.0)
olv51*	0.0	0.0	1.0	(0.0)
olv52*	0.0	0.0	1.0	(0.0)
olv53*	0.0	0.0	1.0	(0.0)
olv54*	0.0	0.0	1.0	(0.0)
olv55*	0.0	0.0	1.0	(0.0)
olv56*	0.0	0.0	1.0	(0.0)
olv57*	0.0	0.0	1.0	(0.0)
olv58*	0.0	0.0	1.0	(0.0)
olv59*	0.0	0.0	1.0	(0.0)
olv60*	0.0	0.0	1.0	(0.0)
olv61*	0.0	0.0	1.0	(0.0)
olv62*	0.0	0.0	1.0	(0.0)
olv63*	0.0	0.0	1.0	(0.0)
olv64*	0.0	0.0	1.0	(0.0)
olv65*	0.0	0.0	1.0	(0.0)
olv66*	0.0	0.0	1.0	(0.0)
olv67*	0.0	0.0	1.0	(0.0)
olv68*	0.0	0.0	1.0	(0.0)
olv69*	0.0	0.0	1.0	(0.0)
olv70*	0.0	0.0	1.0	(0.0)
olv71*	0.0	0.0	1.0	(0.0)
olv72*	0.0	0.0	1.0	(0.0)
olv73*	0.0	0.0	1.0	(0.0)
olv74*	0.0	0.0	1.0	(0.0)
olv75*	0.0	0.0	1.0	(0.0)
olv76*	0.0	0.0	1.0	(0.0)
olv77*	0.0	0.0	1.0	(0.0)
olv78*	0.0	0.0	1.0	(0.0)
olv79*	0.0	0.0	1.0	(0.0)
olv80*	0.0	0.0	1.0	(0.0)
olv81*	0.0	0.0	1.0	(0.0)
olv82*	0.0	0.0	1.0	(0.0)
olv83*	0.0	0.0	1.0	(0.0)
olv84*	0.0	0.0	1.0	(0.0)
olv85*	0.0	0.0	1.0	(0.0)
olv86*	0.0	0.0	1.0	(0.0)
olv87*	0.0	0.0	1.0	(0.0)
olv88*	0.0	0.0	1.0	(0.0)
olv89*	0.0	0.0	1.0	(0.0)
olv90*	0.0	0.0	1.0	(0.0)
olv91*	0.0	0.0	1.0	(0.0)
olv92*	0.0	0.0	1.0	(0.0)
olv93*	0.0	0.0	1.0	(0.0)
olv94*	0.0	0.0	1.0	(0.0)
olv95*	0.0	0.0	1.0	(0.0)
olv96*	0.0	0.0	1.0	(0.0)
olv97*	0.0	0.0	1.0	(0.0)
olv98*	0.0	0.0	1.0	(0.0)
olv99*	0.0	0.0	1.0	(0.0)
olv100*	0.0	0.0	1.0	(0.0)

relative Inform. Technology (IT)

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

LAB*ICHd 8/3 13.43 304.36			
relative CIELab lab*			
lab*lab	0.775	0.141	-0.203
lab*tch	0.875	0.25	0.845
lab*nch	0.0	0.25	0.845
relative Natural Colour (NC)			
lab*lrj	0.775	0.137	-0.203
lab*tce	0.875	0.25	0.842
lab*nce	0.0	0.25	0.836

Input: Colorimetric Offset Reflective System ORS18

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

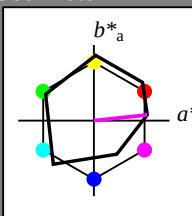
lab^*tch and lab^*nch

A: hue M

LCH*Ma: 56 71 6

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



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

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

relative Natural Colour (NC)

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

relative CIELAB lab*

lab*lab	0.873	0.248	0.027
lab*lab	0.873	0.25	0.017
lab*lab	0.873	0.25	0.017

relative Natural Colour (NC)

lab*trj	0.873	0.238	-0.075
lab*trj	0.873	0.25	0.951
lab*trj	0.873	0.25	0.951

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

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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)

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relative Inform. Technology (IT)

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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

relative CIELAB lab*

lab*lab	0.873	0.248	0.027
lab*lab	0.873	0.25	0.017
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relative Natural Colour (NC)

lab*trj	0.873	0.238	-0.075
lab*trj	0.873	0.25	0.951
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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

relative CIELAB lab*

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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

relative CIELAB lab*

lab*lab	0.873	0.248	0.027
lab*lab	0.873	0.25	0.017
lab*lab	0.873	0.25	0.017

relative Natural Colour (NC)

lab*trj	0.873	0.238	-0.075
lab*trj	0.873	0.25	0.951
lab*trj	0.873	0.25	0.951

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

relative CIELAB lab*

lab*lab	0.873	0.248	0.027
lab*lab	0.873	0.25	0.017
lab*lab	0.873	0.25	0.017

relative Natural Colour (NC)

lab*trj	0.873	0.238	-0.075
lab*trj	0.873	0.25	0.951
lab*trj	0.873	0.25	0.951

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

relative CIELAB lab*

lab*lab	0.873	0.248	0.027
lab*lab	0.873	0.25	0.017
lab*lab	0.873	0.25	0.017

relative Natural Colour (NC)

lab*trj	0.873	0.238	-0.075
lab*trj	0.873	0.25	0.951
lab*trj	0.873	0.25	0.951

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

relative CIELAB lab*

lab*lab	0.873	0.248	0.027
lab*lab	0.873	0.25	0.017
lab*lab	0.873	0.25	0.017

relative Natural Colour (NC)

lab*trj	0.873	0.238	-0.075
lab*trj	0.873	0.25	0.951
lab*trj	0.873	0.25	0.951

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

relative CIELAB lab*

lab*lab	0.873	0.248	0.027
lab*lab	0.873	0.25	0.017
lab*lab	0.873	0.25	0.017

relative Natural Colour (NC)

lab*trj	0.873	0.238	-0.075
lab*trj	0.873	0.25	0.951
lab*trj	0.873	0.25	0.951

Output: Colorimetric Television Luminous System TLS00

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

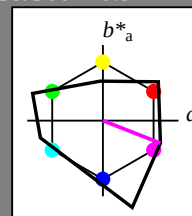
lab^*tch and lab^*nch

A: hue M

LCH*Ma: 67 82 339

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



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)

u^*_{rel}

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 34/360 = 0.095$

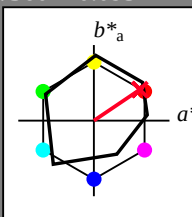
lab^*tch and lab^*nch

A: hue R

LCH*Ma: 49 79 34

olv*Ma: 1.0 0.0 0.15

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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	95.6	0.43	4.65	
LAB*LAB	95.6	0.0	0.0	
LAB*LAB	95.6	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

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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	76.23	0.62	3.36	
LAB*LAB	76.23	0.0	0.0	
LAB*LAB	76.23	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

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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.86	0.0	2.08	
LAB*LAB	56.86	0.0	0.0	
LAB*LAB	56.86	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	56.86	0.0	2.08
LAB*LAB	56.86	0.0	0.0
LAB*LAB	56.86	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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.86	0.0	2.08	
LAB*LAB	56.86	0.0	0.0	
LAB*LAB	56.86	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	56.86	0.0	2.08
LAB*LAB	56.86	0.0	0.0
LAB*LAB	56.86	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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.86	0.0	2.08	
LAB*LAB	56.86	0.0	0.0	
LAB*LAB	56.86	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	56.86	0.0	2.08
LAB*LAB	56.86	0.0	0.0
LAB*LAB	56.86	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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.86	0.0	2.08	
LAB*LAB	56.86	0.0	0.0	
LAB*LAB	56.86	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	56.86	0.0	2.08
LAB*LAB	56.86	0.0	0.0
LAB*LAB	56.86	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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.86	0.0	2.08	
LAB*LAB	56.86	0.0	0.0	
LAB*LAB	56.86	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	56.86	0.0	2.08
LAB*LAB	56.86	0.0	0.0
LAB*LAB	56.86	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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.86	0.0	2.08	
LAB*LAB	56.86	0.0	0.0	
LAB*LAB	56.86	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	56.86	0.0	2.08
LAB*LAB	56.86	0.0	0.0
LAB*LAB	56.86	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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.86	0.0	2.08	
LAB*LAB	56.86	0.0	0.0	
LAB*LAB	56.86	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	56.86	0.0	2.08
LAB*LAB	56.86	0.0	0.0
LAB*LAB	56.86	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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.86	0.0	2.08	
LAB*LAB	56.86	0.0	0.0	
LAB*LAB	56.86	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	56.86	0.0	2.08
LAB*LAB	56.86	0.0	0.0
LAB*LAB	56.86	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	0.75	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	0.5	0.75	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	0.5	0.75	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	72.39	33.32	25.17	
LAB*LAB	72.39	33.32	25.17	
LAB*LAB	72.39	33.32	25.17	

standard and adapted CIELAB

LAB*LAB	72.39	33.32	25.17
LAB*LAB	72.39	33.32	25.17
LAB*LAB	72.39	33.32	25.17

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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	72.39	33.32	25.17	
LAB*LAB	72.39	33.32	25.17	
LAB*LAB	72.39	33.32	25.17	

standard and adapted CIELAB

LAB*LAB	72.39	33.32	25.17
LAB*LAB	72.39	33.32	25.17
LAB*LAB	72.39	33.32	25.17

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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	72.39	33.32	25.17	
LAB*LAB	72.39	33.32	25.17	
LAB*LAB	72.39	33.32	25.17	

standard and adapted CIELAB

LAB*LAB	72.39	33.32	25.17
LAB*LAB	72.39	33.32	25.17
LAB*LAB	72.39	33.32	25.17

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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	72.39	33.32	25.17	
LAB*LAB	72.39	33.32	25.17	
LAB*LAB	72.39	33.32	25.17	

standard and adapted CIELAB

LAB*LAB	72.39	33.32	25.17
LAB*LAB	72.39	33.32	25.17
LAB*LAB	72.39	33.32	25.17

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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	72.39	33.32	25.17	
LAB*LAB	72.39	33.32	25.17	
LAB*LAB	72.39	33.32	25.17	

standard and adapted CIELAB

LAB*LAB	72.39	33.32	25.17
LAB*LAB	72.39	33.32	25.17
LAB*LAB	72.39	33.32	25.17

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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	72.39	33.32	25.17	
LAB*LAB	72.39	33.32	25.17	
LAB*LAB	72.39	33.32	25.17	

standard and adapted CIELAB

LAB*LAB	72.39	33.32	25.17
LAB*LAB	72.39	33.32	25.17
LAB*LAB	72.39	33.32	25.17

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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	72.39	33.32	25.17	
LAB*LAB	72.39	33.32	25.17	
LAB*LAB	72.39	33.32	25.17	

standard and adapted CIELAB

LAB*LAB	72.39	33.32	25.17
LAB*LAB	72.39	33.32	25.17
LAB*LAB	72.39	33.32	25.17

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 35/360 = 0.096$

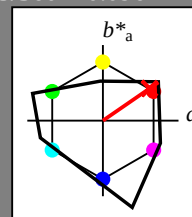
lab^*tch and lab^*nch

A: hue R

LCH*Ma: 66 89 35

olv*Ma: 1.0 0.0 0.01

triangle lightness t^*



%Gamut

Input: Colorimetric Offset Reflective System ORS18

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

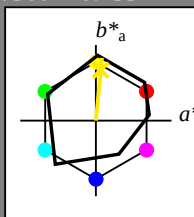
lab^*tch and lab^*nch

A: hue J

LCH*Ma: 89 83 84

olv*Ma: 1.0 0.91 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 96$

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

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.83	2.46	25.31
LAB*Lab	93.83	2.02	20.77
LAB*Lab	93.83	2.02	20.77

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.83	2.46	25.31
LAB*Lab	93.83	2.02	20.77
LAB*Lab	93.83	2.02	20.77

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.83	2.46	25.31
LAB*Lab	93.83	2.02	20.77
LAB*Lab	93.83	2.02	20.77

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.83	2.46	25.31
LAB*Lab	93.83	2.02	20.77
LAB*Lab	93.83	2.02	20.77

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.83	2.46	25.31
LAB*Lab	93.83	2.02	20.77
LAB*Lab	93.83	2.02	20.77

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.83	2.46	25.31
LAB*Lab	93.83	2.02	20.77
LAB*Lab	93.83	2.02	20.77

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.83	2.46	25.31
LAB*Lab	93.83	2.02	20.77
LAB*Lab	93.83	2.02	20.77

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.83	2.46	25.31
LAB*Lab	93.83	2.02	20.77
LAB*Lab	93.83	2.02	20.77

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.83	2.46	25.31
LAB*Lab	93.83	2.02	20.77
LAB*Lab	93.83	2.02	20.77

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.83	2.46	25.31
LAB*Lab	93.83	2.02	20.77
LAB*Lab	93.83	2.02	20.77

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.83	2.46	25.31
LAB*Lab	93.83	2.02	20.77
LAB*Lab	93.83	2.02	20.77

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 $h^* = lab^*h = 84/360 = 0.234$

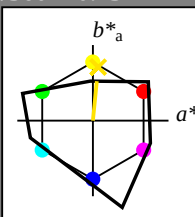
lab^*tch and lab^*nch

A: hue J

LCH*Ma: 91 52 84

olv*Ma: 1.0 0.89 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 141$

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 Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv3*	0.0	0.023	0.25	(0.0)
olv4*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv4*	0.0	0.023	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07
LAB*Lab	93.43	2.59	26.07

relative Inform. Technology (IT)

olv3*

Input: Colorimetric Offset Reflective System ORS18

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

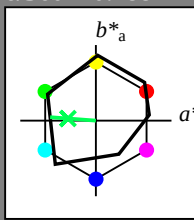
lab^*tch and lab^*nch

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*LAB 95.6 0.0 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 1.0 0.0 0.0
lab*ce 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*LAB 76.23 0.0 0.0
LAB*LAB 76.23 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*ce 0.75 0.0 0.0
lab*nce 0.75 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 0.0 2.08
LAB*LAB 56.86 0.0 0.0
LAB*LAB 56.86 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*ce 0.5 0.0 0.0
lab*nce 0.5 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 0.0 0.79
LAB*LAB 37.48 0.0 0.0
LAB*LAB 37.48 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*ce 0.25 0.0 0.0
lab*nce 0.25 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 0.0 0.49
LAB*LAB 18.12 0.0 0.0
LAB*LAB 18.12 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 0.0 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	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*LAB 73.3 -30.23 2.28

relative CIELAB lab*
lab*lab 0.712 -0.497 0.038
lab*ch 0.712 0.0 0.0
lab*nch 0.712 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.712 -0.497 0.038
lab*ce 0.712 0.0 0.0
lab*nce 0.712 0.0 0.0

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 -29.41 4.17
LAB*LAB 53.93 -30.24 2.28
LAB*LAB 53.93 -30.24 2.28

relative CIELAB lab*
lab*lab 0.462 -0.498 0.038
lab*ch 0.462 0.0 0.0
lab*nch 0.462 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.462 -0.498 0.038
lab*ce 0.462 0.0 0.0
lab*nce 0.462 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.25 (1.0)
cmyn3* 1.0 0.5 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 2.48
LAB*LAB 34.57 -30.23 2.29
LAB*LAB 34.57 -30.23 2.29

relative CIELAB lab*
lab*lab 0.212 -0.497 0.038
lab*ch 0.212 0.0 0.0
lab*nch 0.212 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.212 -0.497 0.038
lab*ce 0.212 0.0 0.0
lab*nce 0.212 0.0 0.0

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.25 1.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 62.16 -44.61 5.85
LAB*LAB 62.16 -45.36 3.43
LAB*LAB 62.16 -45.36 3.43

relative CIELAB lab*
lab*lab 0.568 -0.747 0.056
lab*ch 0.568 0.0 0.0
lab*nch 0.568 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.568 -0.747 0.056
lab*ce 0.568 0.0 0.0
lab*nce 0.568 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.25 (1.0)
cmyn3* 1.0 0.0 0.75 (0.0)
olv4* 0.0 1.0 0.25 (1.0)
cmyn4* 1.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 51.02 -59.62 6.26
LAB*LAB 51.02 -60.48 4.56
LAB*LAB 51.02 -60.48 4.56

relative CIELAB lab*
lab*lab 0.425 -0.996 0.075
lab*ch 0.425 0.0 0.0
lab*nch 0.425 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.425 -0.996 0.075
lab*ce 0.425 0.0 0.0
lab*nce 0.425 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.75 (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 42.79 -44.42 4.58
LAB*LAB 42.79 -45.36 3.43
LAB*LAB 42.79 -45.36 3.43

relative CIELAB lab*
lab*lab 0.319 -0.747 0.056
lab*ch 0.319 0.0 0.0
lab*nch 0.319 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.319 -0.747 0.056
lab*ce 0.319 0.0 0.0
lab*nce 0.319 0.0 0.0

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

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

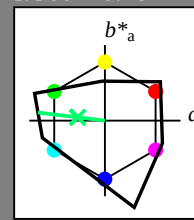
lab^*tch and lab^*nch

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*LAB 95.41 0.0 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 1.0 0.0 0.0
lab*ce 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*LAB 71.57 0.0 0.0
LAB*LAB 71.57 0.0 0.0

relative CIELAB lab*
lab*lab 0.712 0.0 0.0
lab*ch 0.712 0.0 0.0
lab*nch 0.712 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.712 0.0 0.0
lab*ce 0.712 0.0 0.0
lab*nce 0.712 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 51.02 -59.62 6.26
LAB*LAB 51.02 -60.48 4.56
LAB*LAB 51.02 -60.48 4.56

relative CIELAB lab*
lab*lab 0.425 -0.996 0.075
lab*ch 0.425 0.0 0.0
lab*nch 0.425 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.425 -0.996 0.075
lab*ce 0.425 0.0 0.0
lab*nce 0.425 0.0 0.0

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 51.02 -59.62 6.26
LAB*LAB 51.02 -60.48 4.56
LAB*LAB 51.02 -60.48 4.56

relative CIELAB lab*
lab*lab 0.425 -0.996 0.075
lab*ch 0.425 0.0 0.0
lab*nch 0.425 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.425 -0.996 0.075
lab*ce 0.425 0.0 0.0
lab*nce 0.425 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.25 (1.0)
cmyn3* 1.0 0.0 0.75 (0.0)
olv4* 0.0 1.0 0.25 (1.0)
cmyn4* 1.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 42.79 -44.42 4.58
LAB*LAB 42.79 -45.36 3.43
LAB*LAB 42.79 -45.36 3.43

relative CIELAB lab*
lab*lab 0.319 -0.747 0.056
lab*ch 0.319 0.0 0.0
lab*nch 0.319 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.319 -0.747 0.056
lab*ce 0.319 0.0 0.0
lab*nce 0.319 0.0 0.0

$n^* = 1.0$

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

input: $olv^* setrgbcolor$

output: no change compared to input

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*LAB 73.3 -30.23 2.28

relative CIELAB lab*
lab*lab 0.712 -0.497 0.038
lab*ch 0.712 0.0 0.0
lab*nch 0.712 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.712 -0.497 0.038
lab*ce 0.712 0.0 0.0
lab*nce 0.712 0.0 0.0

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 -29.41 4.17
LAB*LAB 53.93 -30.24 2.28
LAB*LAB 53.93 -30.24 2.28

relative CIELAB lab*
lab*lab 0.462 -0.498 0.038
lab*ch 0.462 0.0 0.0
lab*nch 0.462 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.462 -0.498 0.038
lab*ce 0.462 0.0 0.0
lab*nce 0.462 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.25 (1.0)
cmyn3* 1.0 0.5 0.75 (0.0)
olv4* 0.0 1.0 0.25 (1.0)
cmyn4* 1.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 51.02 -59.62 6.26
LAB*LAB 51.02 -60.48 4.56
LAB*LAB 51.02 -60.48 4.56

relative CIELAB lab*
lab*lab 0.425 -0.996 0.075
lab*ch 0.425 0.0 0.0
lab*nch 0.425 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.425 -0.996 0.075
lab*ce 0.425 0.0 0.0
lab*nce 0.425 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 1.0 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 42.79 -44.42 4.58
LAB*LAB 42.79 -45.36 3.43
LAB*LAB 42.79 -45.36 3.43

relative CIELAB lab*
lab*lab 0.319 -0.747 0.056
lab*ch 0.319 0.0 0.0
lab*nch 0.319 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.319 -0.747 0.056
lab*ce 0.319 0.0 0.0
lab*nce 0.319 0.0 0.0

$n^* = 1.0$

relative Inform. Technology (IT)
olv3* 0.5 0.75 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 0.5 1.0 0.25 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 62.16 -44.61 5.85
LAB*LAB 62.16 -45.36 3.43
LAB*LAB 62.16 -45.36 3.43

relative CIELAB lab*
lab*lab 0.568 -0.747 0.056
lab*ch 0.568 0.0 0.0
lab*nch 0.568 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.568 -0.747 0.056
lab*ce 0.568 0.0 0.0
lab*nce 0.568 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.25 (1.0)
cmyn3* 1.0 0.0 0.75 (0.0)
olv4* 0.0 1.0 0.25 (1.0)
cmyn4* 1.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 51.02 -59.62 6.26
LAB*LAB 51.02 -60.48 4.56
LAB*LAB 51.02 -60.48 4.56

relative CIELAB lab*
lab*lab 0.425 -0.996 0.075
lab*ch 0.425 0.0 0.0
lab*nch 0.425 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.425 -0.996 0.075
lab*ce 0.425 0.0 0.0
lab*nce 0.425 0.0 0.0

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 0.25 (1.0)
cmyn4* 0.5 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 51.02 -59.62 6.26
LAB*LAB 51.02 -60.48 4.56
LAB*LAB 51.02 -60.48 4.56

relative CIELAB lab*
lab*lab 0.425 -0.996 0.075
lab*ch 0.425 0.0 0.0
lab*nch 0.425 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.425 -0.996 0.075
lab*ce 0.425 0.0 0.0
lab*nce 0.425 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.75 (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 42.79 -44.42 4.

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 252/360 = 0.7$

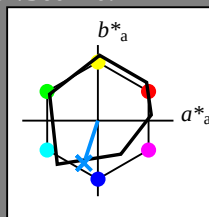
lab^*tch and lab^*nch

A: hue B

LCH*Ma: 40 55 252

olv*Ma: 0.0 0.56 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 96$

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)
standard and adapted CIELAB	
LAB*LAB	95.6 0.43 4.65
LAB*LABa	95.6 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*trc	1.0 0.0 0.0
lab*trb	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*	1.0 1.0 1.0 (1.0)
olv6*	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	75.0 0.01 0.0

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

relative Inform. Technology (IT)	
olv3*	0.5 0.5 0.5 (0.0)
olv4*	1.0 1.0 1.0 (1.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	56.86 0.8 2.08
LAB*LABa	56.86 0.0 0.0
LAB*LABb	50.0 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*trc	0.5 0.0 0.0
lab*trb	0.0 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.25 0.25 0.25 (0.0)
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	37.49 0.79 0.79
LAB*LABa	37.49 0.0 0.0
LAB*LABb	25.0 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*trc	0.25 0.0 0.0
lab*trb	0.0 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.0 0.0 0.0 (0.0)
olv4*	1.0 1.0 1.0 (1.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	18.12 0.49 0.49
LAB*LABa	18.12 0.0 0.0
LAB*LABb	0.0 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*trc	0.0 0.0 0.0
lab*trb	1.0 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.0 0.0 0.0 (0.0)
olv4*	1.0 1.0 1.0 (1.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	0.0 0.0 0.0
LAB*LABa	0.0 0.0 0.0
LAB*LABb	0.0 0.0 0.0

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

relative Inform. Technology (IT)	
olv3*	0.75 0.891 1.0 (1.0)
olv4*	0.25 0.109 0.0 (0.0)
olv5*	1.0 1.0 1.0 (1.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	81.72 -3.66 -9.22
LAB*LABa	81.72 -4.23 -12.95
LAB*LABb	87.5 13.64 251.9

relative CIELAB lab*	
lab*lab	0.821 0.0 -0.249
lab*tch	0.875 0.25 0.7
lab*nch	0.0 0.25 0.7
relative Natural Colour (NC)	
lab*trj	0.821 0.0 -0.249
lab*trc	0.875 0.25 0.7
lab*trb	0.0 0.25 0.7

relative Inform. Technology (IT)	
olv3*	0.5 0.5 0.5 (0.0)
olv4*	0.75 0.891 1.0 (1.0)
olv5*	0.25 0.109 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	62.35 -3.47 -10.51
LAB*LABa	62.35 -4.23 -12.96
LAB*LABb	62.5 13.64 251.9

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*trb	0.0 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.25 0.25 0.25 (0.0)
olv4*	0.75 0.891 1.0 (1.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	48.47 -7.57 -24.4
LAB*LABa	48.47 -8.46 -25.93
LAB*LABb	50.0 27.28 251.91

relative CIELAB lab*	
lab*lab	0.321 -0.077 -0.237
lab*tch	0.625 0.25 0.7
lab*nch	0.0 0.25 0.7
relative Natural Colour (NC)	
lab*trj	0.321 0.0 -0.249
lab*trc	0.625 0.25 0.7
lab*trb	0.0 0.25 0.7

relative Inform. Technology (IT)	
olv3*	0.0 0.281 0.5 (1.0)
olv4*	0.75 0.609 0.5 (0.0)
olv5*	0.75 0.891 1.0 (1.0)
olv6*	0.25 0.109 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	42.96 -3.29 -11.96
LAB*LABa	42.96 -4.23 -12.96
LAB*LABb	37.5 13.64 251.92

relative CIELAB lab*	
lab*lab	0.321 -0.077 -0.237
lab*tch	0.375 0.25 0.7
lab*nch	0.75 0.25 0.7
relative Natural Colour (NC)	
lab*trj	0.321 0.0 -0.249
lab*trc	0.375 0.25 0.7
lab*trb	0.75 0.25 0.7

relative Inform. Technology (IT)	
olv3*	0.0 0.0 0.0 (0.0)
olv4*	1.0 0.859 0.75 (0.0)
olv5*	0.75 0.891 1.0 (1.0)
olv6*	0.25 0.109 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	23.61 -2.09 -13.08
LAB*LABa	23.61 -4.22 -12.95
LAB*LABb	12.5 13.64 251.93

relative CIELAB lab*	
lab*lab	0.071 -0.077 -0.237
lab*tch	0.125 0.25 0.7
lab*nch	0.75 0.25 0.7
relative Natural Colour (NC)	
lab*trj	0.071 0.0 -0.249
lab*trc	0.125 0.25 0.7
lab*trb	0.75 0.25 0.7

relative Inform. Technology (IT)	
olv3*	0.0 0.0 0.0 (0.0)
olv4*	1.0 1.0 1.0 (1.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	0.0 0.0 0.0
LAB*LABa	0.0 0.0 0.0
LAB*LABb	0.0 0.0 0.0

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

relative Inform. Technology (IT)	
olv3*	0.5 0.781 1.0 (1.0)
olv4*	0.25 0.219 0.0 (0.0)
olv5*	0.75 0.891 1.0 (1.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	67.84 -7.76 -23.11
LAB*LABa	67.84 -8.46 -25.92
LAB*LABb	75.0 27.28 251.91

relative CIELAB lab*	
lab*lab	0.642 -0.154 -0.474
lab*tch	0.75 0.5 0.7
lab*nch	0.0 0.5 0.7
relative Natural Colour (NC)	
lab*trj	0.642 0.0 -0.499
lab*trc	0.75 0.5 0.7
lab*trb	0.0 0.5 0.7

relative Inform. Technology (IT)	
olv3*	0.0 0.422 0.75 (1.0)
olv4*	0.75 0.469 0.25 (0.0)
olv5*	0.75 0.891 1.0 (1.0)
olv6*	0.25 0.219 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	48.47 -7.57 -24.4
LAB*LABa	48.47 -8.46 -25.93
LAB*LABb	50.0 27.28 251.91

relative CIELAB lab*	
lab*lab	0.392 0.0 -0.499
lab*tch	0.625 0.75 0.7
lab*nch	0.0 0.75 0.7
relative Natural Colour (NC)	
lab*trj	0.392 0.0 -0.499
lab*trc	0.625 0.75 0.7
lab*trb	0.0 0.75 0.7

relative Inform. Technology (IT)	
olv3*	0.0 0.422 0.75 (1.0)
olv4*	0.75 0.469 0.25 (0.0)
olv5*	0.75 0.891 1.0 (1.0)
olv6*	0.25 0.219 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	48.47 -7.57 -24.4
LAB*LABa	48.47 -8.46 -25.93
LAB*LABb	50.0 27.28 251.91

relative CIELAB lab*	
lab*lab	0.392 -0.154 -0.474
lab*tch	0.5 0.5 0.7
lab*nch	0.0 0.5 0.7
relative Natural Colour (NC)	
lab*trj	0.392 0.0 -0.499
lab*trc	0.5 0.5 0.7
lab*trb	0.0 0.5 0.7

relative Inform. Technology (IT)	
olv3*	0.0 0.281 0.5 (1.0)
olv4*	0.75 0.609 0.5 (0.0)
olv5*	0.75 0.891 1.0 (1.0)
olv6*	0.25 0.109 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	42.96 -3.29 -11.96
LAB*LABa	42.96 -4.23 -12.96
LAB*LABb	37.5 13.64 251.92

relative CIELAB lab*	
lab*lab	0.321 -0.077 -0.237
lab*tch	0.375 0.25 0.7
lab*nch	0.75 0.25 0.7
relative Natural Colour (NC)	
lab*trj	0.321 0.0 -0.249
lab*trc	0.375 0.25 0.7
lab*trb	0.75 0.25 0.7

relative Inform. Technology (IT)	
olv3*	0.0 0.281 0.5 (1.0)
olv4*	0.75 0.609 0.5 (0.0)
olv5*	0.75 0.891 1.0 (1.0)
olv6*	0.25 0.109 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	42.96 -3.29 -11.96
LAB*LABa	42.96 -4.23 -12.96
LAB*LABb	37.5 13.64 251.92

relative CIELAB lab*	
lab*lab	0.321 -0.077 -0.237
lab*tch	0.375 0.25 0.7
lab*nch	0.75 0.25 0.7
relative Natural Colour (NC)	
lab*trj	0.321 0.0 -0.249
lab*trc	0.375 0.25 0.7
lab*trb	0.75 0.25 0.7

relative Inform. Technology (IT)	
olv3*	0.0 0.281 0.5 (1.0)
olv4*	0.75 0.609 0.5 (0.0)
olv5*	0.75 0.891 1.0 (1.0)
olv6*	0.25 0.109 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	42.96 -3.29 -11.96
LAB*LABa	42.96 -4.23 -12.96
LAB*LABb	37.5 13.64 251.92

relative CIELAB lab*	
lab*lab	0.321 -0.077 -0.237
lab*tch	0.375 0.25 0.7
lab*nch	0.75 0.25 0.7
relative Natural Colour (NC)	
lab*trj	0.321 0.0 -0.249
lab*trc	0.375 0.25 0.7
lab*trb	0.75 0.25 0.7

relative Inform. Technology (IT)	
olv3*	0.25 0.672 1.0 (1.0)
olv4*	0.0 0.563 1.0 (0.0)
olv5*	0.75 0.891 1.0 (1.0)
olv6*	0.25 0.672 1.0 (1.0)
standard and adapted CIELAB	
LAB*LAB	53.96 -11.87 -37.0
LAB*LABa	53.96 -12.7 -38.89
LAB*LABb	62.5 40.92 251.91

relative CIELAB lab*	
lab*lab	0.463 -0.232 -0.712
lab*tch	0.625 0.75 0.7
lab*nch	0.0 0.75 0.7
relative Natural Colour (NC)	
lab*trj	0.463 0.0 -0.749
lab*trc	0.625 0.75 0.7
lab*trb	0.0 0.75 0.7

relative Inform. Technology (IT)	
olv3*	0.0 0.422 0.75 (1.0)
olv4*	0.75 0.469 0.25 (0.0)
olv5*	0.75 0.891 1.0 (1.0)
olv6*	0.25 0.219 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	48.47 -7.