

Input: Colorimetric Standard Reflective System SRS18

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

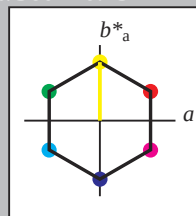
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	0.0

relative CIELAB lab*

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

relative Natural Colour (NC)

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	85.73	0.0	19.34
LAB*LABa	85.73	0.0	19.34
LAB*LABb	97.5	19.34	90.0

relative CIELAB lab*

lab*lab	0.875	0.0	0.25
lab*tch	0.875	0.25	0.25
lab*nch	0.0	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.875	0.014	0.25
lab*tce	0.875	0.25	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	1.0
cmyn4*	0.0	0.0	0.5	0.0

standard and adapted CIELAB

LAB*LAB	76.06	0.0	38.69
LAB*LABa	76.06	0.0	38.69
LAB*LABb	97.5	38.69	90.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.5
lab*tch	0.75	0.5	0.25
lab*nch	0.0	0.5	0.25

relative Natural Colour (NC)

lab*trj	0.75	0.027	0.499
lab*tce	0.75	0.5	0.241
lab*nce	0.0	0.5	0.96

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	66.38	0.0	58.04
LAB*LABa	66.38	0.0	58.04
LAB*LABb	97.5	58.04	90.0

relative CIELAB lab*

lab*lab	0.625	0.0	0.75
lab*tch	0.625	0.75	0.25
lab*nch	0.0	0.75	0.25

relative Natural Colour (NC)

lab*trj	0.625	0.041	0.749
lab*tce	0.625	0.75	0.241
lab*nce	0.0	0.75	0.96

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	0.0	77.38
LAB*LABa	56.71	0.0	77.38
LAB*LABb	97.5	77.38	90.0

relative CIELAB lab*

lab*lab	0.5	0.0	1.0
lab*tch	0.5	0.0	1.0
lab*nch	0.0	1.0	0.25

relative Natural Colour (NC)

lab*trj	0.5	0.054	0.998
lab*tce	0.5	0.0	1.0
lab*nce	0.0	1.0	0.96

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	97.5	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)

olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	1.0
cmyn4*	0.0	0.0	0.5	0.0

standard and adapted CIELAB

LAB*LAB	74.8	-3.15	26.3
LAB*LABa	74.8	-2.56	22.94
LAB*LABb	97.5	23.07	96.38

relative CIELAB lab*

lab*lab	0.734	-0.027	0.248
lab*tch	0.734	0.25	0.268
lab*nch	0.25	0.25	0.268

relative Natural Colour (NC)

lab*trj	0.734	-0.024	0.249
lab*tce	0.734	0.25	0.266
lab*nce	0.25	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	0.5	1.0
cmyn4*	0.0	0.0	0.5	0.0

standard and adapted CIELAB

LAB*LAB	56.71	0.0	77.38
LAB*LABa	56.71	0.0	77.38
LAB*LABb	97.5	77.38	90.0

relative CIELAB lab*

lab*lab	0.5	0.0	1.0
lab*tch	0.5	0.0	1.0
lab*nch	0.0	1.0	0.25

relative Natural Colour (NC)

lab*trj	0.5	0.054	0.998
lab*tce	0.5	0.0	1.0
lab*nce	0.0	1.0	0.96

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	73.54	-5.69	49.16
LAB*LABa	73.54	-5.12	45.88
LAB*LABb	97.5	45.88	96.38

relative CIELAB lab*

lab*lab	0.967	-0.055	0.497
lab*tch	0.967	0.5	0.268
lab*nch	0.5	0.5	0.268

relative Natural Colour (NC)

lab*trj	0.967	-0.048	0.497
lab*tce	0.967	0.5	0.266
lab*nce	0.5	0.5	0.96

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	90.36	-11.15	96.15
LAB*LABa	90.36	-10.25	91.73
LAB*LABb	97.5	91.73	96.38

relative CIELAB lab*

lab*lab	0.935	-0.11	0.994
lab*tch	0.935	0.0	1.0
lab*nch	0.0	1.0	0.268

relative Natural Colour (NC)

lab*trj	0.935	-0.097	0.995
lab*tce	0.935	0.0	1.0
lab*nce	0.0	1.0	0.96

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.37	0.0	38.69
LAB*LABa	37.37	0.0	38.69
LAB*LABb	97.5	38.69	90.0

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)

olvi3*	0.375	0.375	0.25	(1.0)
cmyn3*	0.625	0.625	0.25	(0.0)
olvi4*	1.0	1.0	0.25	1.0
cmyn4*	0.0	0.0	0.25	0.0

standard and adapted CIELAB

LAB*LAB	47.04	0.0	19.35
LAB*LABa	47.04	0.0	19.35
LAB*LABb	97.5	19.35	90.0

relative CIELAB lab*

lab*lab	0.375	0.0	0.25
lab*tch	0.375	0.25	0.25
lab*nch	0.0	0.25	0.25

relative Natural Colour (NC)

lab*trj	0.375	0.014	0.25
lab*tce	0.375	0.25	0.241
lab*nce	0.0	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.71	0.0	38.7
LAB*LABa	56.71	0.0	38.7
LAB*LABb	97.5	38.7	90.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.5
lab*tch	0.5	0.5	0.25
lab*nch	0.0	0.5	0.25

relative Natural Colour (NC)

lab*trj	0.5	0.027	0.499
lab*tce	0.5	0.5	0.241
lab*nce	0.0	0.5	0.96

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	47.04	0.0	58.04
LAB*LABa	47.04	0.0	58.04
LAB*LABb	97.5	58.04	90.0

relative CIELAB lab*

lab*lab	0.375	0.0	0.75
lab*tch	0.375	0.75	0.25
lab*nch	0.0	0.75	0.25

relative Natural Colour (NC)

lab*trj	0.375	0.041	0.749
lab*tce	0.375	0.75	0.241
lab*nce	0.0	0.75	0.96

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	0.5	1.0
cmyn4*	0.0	0.0	0.5	0.0

standard and adapted CIELAB

LAB*LAB	56.71	0.0	77.38
LAB*LABa	56.71	0.0	77.38
LAB*LABb	97.5	77.38	90.0

relative CIELAB lab*

lab*lab	0.5	0.0	1.0
lab*tch	0.5	0.0	1.0
lab*nch	0.0	1.0	0.25

relative Natural Colour (NC)

lab*trj	0.5	0.054	0.998
lab*tce	0.5	0.0	1.0
lab*nce	0.0	1.0	0.96

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.37	0.0	38.69
LAB*LABa	37.37	0.0	38.69
LAB*LABb	97.5	38.69	90.0

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)

olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.5	0.5	0.25	(0.0)
olvi4*	1.0	1.0	0.25	1.0
cmyn4*	0.0	0.0	0.25	0.0

standard and adapted CIELAB

LAB*LAB	55.45	-2.78	25.0
LAB*LABa	55.45	-2.56	22.94
LAB*LABb	97.5	23.07	96.38

relative CIELAB lab*

lab*lab	0.484	-0.027	0.248
lab*tch	0.484	0.25	0.268
lab*nch	0.25	0.25	0.268

relative Natural Colour (NC)

lab*trj	0.484	-0.024	0.249
lab*tce	0.484	0.25	0.266
lab*nce	0.25	0.25	0.96

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	54.19	-5.12	45.87
LAB*LABa	54.19	-5.12	45.87
LAB*LABb	97.5	45.87	96.38

relative CIELAB lab*

lab*lab	0.467	-0.055	0.497
lab*tch	0.467	0.5	0.268
lab*nch	0.5	0.5	0.268

relative Natural Colour (NC)

lab*trj	0.467	-0.048	0.497
lab*tce	0.467	0.5	0.266
lab*nce	0.5	0.5	0.96

LAB**TCHa* 37.51 69.23 96.38

relative CIELAB lab*

lab*lab	0.701	-0.082	0.745
lab*tch	0.375	0.75	0.268
lab*nch	0.25	0.75	0.268

relative Natural Colour (NC)

lab*trj	0.701	-0.073	0.746
lab*tce	0.375	0.75	0.266
lab*nce	0.25	0.75	j06g

$n^* = 0,25$

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

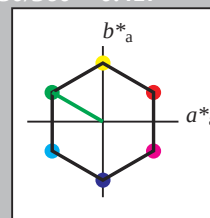
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



SRS18; adapted (a) CIELAB data					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

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

relative Inform. Technology (IT)
olv3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olv4* 0.75 1.0 0.75 1.0
cmyn4* 0.25 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 85.73 -16.74 9.67
LAB*LABa 85.73 -16.74 9.67
LAB*TCHa 97.5 19.34 150.0

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 76.06 -33.5 19.35
LAB*LABa 76.06 -33.5 19.35
LAB*TCHa 75.0 38.69 150.0

relative Inform. Technology (IT)
olv3* 0.25 1.0 0.25 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olv4* 0.25 1.0 0.25 1.0
cmyn4* 0.25 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 66.38 -50.26 29.02
LAB*LABa 66.38 -50.26 29.02
LAB*TCHa 62.5 58.04 150.0

relative Inform. Technology (IT)
olv3* 0.0 1.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 0.0 1.0 0.0 1.0
cmyn4* 1.0 0.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 56.71 -67.01 38.69
LAB*LABa 56.71 -67.01 38.69
LAB*TCHa 50.0 77.38 150.0

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.0 (0.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv4* 0.0 0.5 0.0 0.5
cmyn4* 0.5 0.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 56.71 -67.01 38.69
LAB*LABa 56.71 -67.01 38.69
LAB*TCHa 50.0 77.38 150.0

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.25 0.5 0.25 0.5
cmyn4* 0.75 0.25 0.75 0.25
standard and adapted CIELAB
LAB*LAB 56.71 -67.01 38.69
LAB*LABa 56.71 -67.01 38.69
LAB*TCHa 50.0 77.38 150.0

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.0 (0.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olv4* 0.0 0.25 0.0 0.25
cmyn4* 0.25 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 56.71 -67.01 38.69
LAB*LABa 56.71 -67.01 38.69
LAB*TCHa 50.0 77.38 150.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 1.0
cmyn4* 1.0 0.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 1.0
cmyn4* 1.0 0.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.25 0.25 0.25
cmyn4* 0.75 0.75 0.75 0.75
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.5 0.75 (0.0)
olv4* 0.25 0.5 0.25 0.5
cmyn4* 0.75 0.5 0.75 0.25
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.75 0.25 0.75
cmyn4* 0.75 0.75 0.75 0.75
standard and adapted CIELAB
LAB*LAB 56.71 -33.5 19.35
LAB*LABa 56.71 -33.5 19.35
LAB*TCHa 50.0 38.7 150.0

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.75 0.25 0.75
cmyn4* 0.75 0.75 0.75 0.75
standard and adapted CIELAB
LAB*LAB 56.71 -33.5 19.35
LAB*LABa 56.71 -33.5 19.35
LAB*TCHa 50.0 38.7 150.0

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.75 0.25 0.75
cmyn4* 0.75 0.75 0.75 0.75
standard and adapted CIELAB
LAB*LAB 56.71 -33.5 19.35
LAB*LABa 56.71 -33.5 19.35
LAB*TCHa 50.0 38.7 150.0

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.75 0.25 0.75
cmyn4* 0.75 0.75 0.75 0.75
standard and adapted CIELAB
LAB*LAB 56.71 -33.5 19.35
LAB*LABa 56.71 -33.5 19.35
LAB*TCHa 50.0 38.7 150.0

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.75 0.25 0.75
cmyn4* 0.75 0.75 0.75 0.75
standard and adapted CIELAB
LAB*LAB 56.71 -33.5 19.35
LAB*LABa 56.71 -33.5 19.35
LAB*TCHa 50.0 38.7 150.0

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.75 0.25 0.75
cmyn4* 0.75 0.75 0.75 0.75
standard and adapted CIELAB
LAB*LAB 56.71 -33.5 19.35
LAB*LABa 56.71 -33.5 19.35
LAB*TCHa 50.0 38.7 150.0

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.75 0.25 0.75
cmyn4* 0.75 0.75 0.75 0.75
standard and adapted CIELAB
LAB*LAB 56.71 -33.5 19.35
LAB*LABa 56.71 -33.5 19.35
LAB*TCHa 50.0 38.7 150.0

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.75 0.25 0.75
cmyn4* 0.75 0.75 0.75 0.75
standard and adapted CIELAB
LAB*LAB 56.71 -33.5 19.35
LAB*LABa 56.71 -33.5 19.35
LAB*TCHa 50.0 38.7 150.0

OE570-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

BAM-test chart OE57; Colorimetric systems SRS18 & ORS18

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

input: $cmY0^* setcmykcolor$

output: $cmY0^* / 000n^* setcmykcolor$

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$

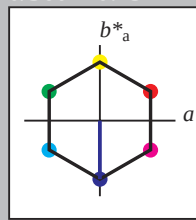
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



SRS18; adapted (a) CIELAB data

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

%Regularity

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

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

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

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 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 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.00 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.00 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.00 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

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

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 85.73 0.0 -19.33
LAB*LABa 85.73 0.0 -19.33
LAB*TCHa 97.5 19.34 270.0

relative CIELAB lab*
lab*lab 0.875 0.0 -0.249
lab*tch 0.875 0.25 0.75
lab*nch 0.0 0.25 0.75
relative Natural Colour (NC)
lab*trj 0.875 -0.005 -0.249
lab*tce 0.875 0.25 0.746
lab*nce 0.0 0.25 0.986

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 66.39 0.0 -38.69
LAB*LABa 66.39 0.0 -38.69
LAB*TCHa 75.0 38.69 270.0

relative CIELAB lab*
lab*lab 0.75 0.0 -0.499
lab*tch 0.75 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.75 -0.011 -0.499
lab*tce 0.75 0.5 0.746
lab*nce 0.0 0.5 0.986

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 -38.69
LAB*LABa 56.71 0.0 -38.69
LAB*TCHa 50.0 38.69 270.0

relative CIELAB lab*
lab*lab 0.5 0.0 -0.499
lab*tch 0.5 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.011 -0.499
lab*tce 0.5 0.5 0.746
lab*nce 0.0 0.5 0.986

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 -38.68
LAB*LABa 37.36 0.0 -38.68
LAB*TCHa 25.01 38.69 270.0

relative CIELAB lab*
lab*lab 0.25 0.0 -0.499
lab*tch 0.25 0.5 0.75
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.25 -0.011 -0.499
lab*tce 0.25 0.5 0.746
lab*nce 0.0 0.5 0.986

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

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

Output: Colorimetric Offset Reflective System ORS18

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

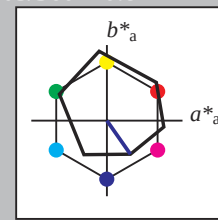
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data

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

%Regularity

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

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

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 4.75
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 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*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 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 -77.37
LAB*LABa 56.71 0.0 -77.37
LAB*TCHa 50.0 77.38 270.0

relative CIELAB lab*
lab*lab 0.5 0.0 -0.999
lab*tch 0.5 0.0 0.75
lab*nch 0.0 0.0 0.75
relative Natural Colour (NC)
lab*trj 0.5 -0.024 -0.998
lab*tce 0.5 0.0 0.746
lab*nce 0.0 0.0 0.986

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 -38.68
LAB*LABa 37.36 0.0 -38.68
LAB*TCHa 25.01 38.69 270.0

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 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 -

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

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 77.99 7.12 -7.51
LAB*LABa 77.99 7.12 -7.51
LAB*TCHa 87.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.875 0.143 -0.204
lab*tch 0.875 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*trj 0.875 0.112 -0.222
lab*tce 0.875 0.25 0.824
lab*nce 0.0 0.25 0.924

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 60.56 15.23 -19.79
LAB*LABa 60.56 15.23 -19.79
LAB*TCHa 75.0 27.1 305.0

relative CIELAB lab*
lab*lab 0.55 0.287 -0.408
lab*tch 0.55 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.55 0.225 -0.446
lab*tce 0.55 0.5 0.824
lab*nce 0.0 0.5 0.924

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 41.22 15.56 -21.1
LAB*LABa 41.22 15.56 -21.1
LAB*TCHa 50.0 27.1 305.0

relative CIELAB lab*
lab*lab 0.3 0.287 -0.409
lab*tch 0.3 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.3 0.225 -0.446
lab*tce 0.3 0.5 0.824
lab*nce 0.0 0.5 0.924

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 21.87 19.43 11.43
LAB*LABa 21.87 19.43 11.43
LAB*TCHa 37.51 40.66 305.0

relative CIELAB lab*
lab*lab 0.0 0.287 -0.408
lab*tch 0.0 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.0 0.225 -0.446
lab*tce 0.0 0.5 0.824
lab*nce 0.0 0.5 0.924

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 -

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

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 77.99 7.12 -7.51
LAB*LABa 77.99 7.12 -7.51
LAB*TCHa 87.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.875 0.143 -0.204
lab*tch 0.875 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*trj 0.875 0.112 -0.222
lab*tce 0.875 0.25 0.824
lab*nce 0.0 0.25 0.924

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 60.56 15.23 -19.79
LAB*LABa 60.56 15.23 -19.79
LAB*TCHa 75.0 27.1 305.0

relative CIELAB lab*
lab*lab

```
output: cmv0* / 000n* setcmvcolor
```


Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

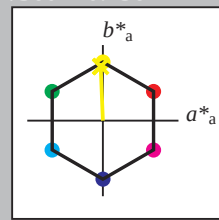
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 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 99.99 0.01 0.0

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

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.00 0.01 0.0

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

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.00 0.01 0.0

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

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 37.51 0.0 0.0
LAB*LABa 37.51 0.0 0.0
LAB*LABb 25.00 0.01 0.0

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 0.0

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

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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 0.0

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

SRS18; adapted (a) CIELAB data

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

%Regularity

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

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

relative Inform. Technology (IT)
olv3* 0.977 1.0 0.5 (1.0)
cmyn3* 0.023 0.0 0.5 (0.0)
olv4* 0.977 1.0 0.5 1.0
cmyn4* 0.023 0.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 76.06 -1.51 37.81
LAB*LABa 76.06 -1.51 37.81
LAB*LABb 75.0 37.84 92.31

relative CIELAB lab*
lab*lab 0.75 0.0 0.5
lab*tch 0.75 0.0 0.5
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.5
lab*tce 0.75 0.0 0.5
lab*nce 0.0 0.5 0.256

relative Inform. Technology (IT)
olv3* 0.727 0.75 0.25 (1.0)
cmyn3* 0.273 0.25 0.75 (0.0)
olv4* 0.977 1.0 0.5 0.75
cmyn4* 0.023 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 56.71 -1.52 37.82
LAB*LABa 56.71 -1.52 37.82
LAB*LABb 50.0 37.85 92.31

relative CIELAB lab*
lab*lab 0.727 0.0 0.25
lab*tch 0.727 0.0 0.25
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.727 0.0 0.25
lab*tce 0.727 0.0 0.25
lab*nce 0.0 0.25 0.256

relative Inform. Technology (IT)
olv3* 0.625 0.625 0.625 (1.0)
cmyn3* 0.375 0.375 0.375 (0.0)
olv4* 0.977 1.0 0.5 0.625
cmyn4* 0.023 0.0 0.5 0.375
standard and adapted CIELAB
LAB*LAB 37.51 -1.52 37.82
LAB*LABa 37.51 -1.52 37.82
LAB*LABb 25.0 37.85 92.31

relative CIELAB lab*
lab*lab 0.625 0.0 0.375
lab*tch 0.625 0.0 0.375
lab*nch 0.0 0.375 0.256
relative Natural Colour (NC)
lab*trj 0.625 0.0 0.375
lab*tce 0.625 0.0 0.375
lab*nce 0.0 0.375 0.256

relative Inform. Technology (IT)
olv3* 0.523 0.5 0.0 (1.0)
cmyn3* 0.477 0.5 0.0 (0.0)
olv4* 0.977 1.0 0.5 0.523
cmyn4* 0.023 0.0 0.5 0.477
standard and adapted CIELAB
LAB*LAB 25.01 37.84 92.31
LAB*LABa 25.01 37.84 92.31
LAB*LABb 0.0 37.85 92.31

relative CIELAB lab*
lab*lab 0.523 0.0 0.477
lab*tch 0.523 0.0 0.477
lab*nch 0.0 0.477 0.256
relative Natural Colour (NC)
lab*trj 0.523 0.0 0.477
lab*tce 0.523 0.0 0.477
lab*nce 0.0 0.477 0.256

relative Inform. Technology (IT)
olv3* 0.427 0.5 0.0 (1.0)
cmyn3* 0.573 0.5 0.0 (0.0)
olv4* 0.977 1.0 0.5 0.427
cmyn4* 0.023 0.0 0.5 0.573
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.427 0.0 0.573
lab*tch 0.427 0.0 0.573
lab*nch 0.0 0.573 0.256
relative Natural Colour (NC)
lab*trj 0.427 0.0 0.573
lab*tce 0.427 0.0 0.573
lab*nce 0.0 0.573 0.256

Output: Colorimetric Offset Reflective System ORS18

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

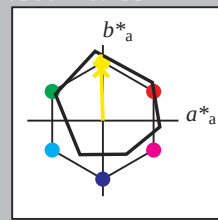
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 0.0

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

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

relative CIELAB lab*
lab*lab 0.75 0.0 0.25
lab*tch 0.75 0.0 0.25
lab*nch 0.0 0.25 0.255
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.25
lab*tce 0.75 0.0 0.25
lab*nce 0.0 0.25 0.255

relative Inform. Technology (IT)
olv3* 0.72 0.72 0.72 (1.0)
cmyn3* 0.28 0.28 0.28 (0.0)
olv4* 1.0 1.0 1.0 0.72
cmyn4* 0.0 0.0 0.0 0.28
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABa 56.71 -0.24 2.14
LAB*LABb 50.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.72 0.0 0.28
lab*tch 0.72 0.0 0.28
lab*nch 0.0 0.28 0.255
relative Natural Colour (NC)
lab*trj 0.72 0.0 0.28
lab*tce 0.72 0.0 0.28
lab*nce 0.0 0.28 0.255

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 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 37.51 -0.24 2.14
LAB*LABa 37.51 -0.24 2.14
LAB*LABb 25.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.5
lab*tch 0.5 0.0 0.5
lab*nch 0.0 0.5 0.255
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.5
lab*tce 0.5 0.0 0.5
lab*nce 0.0 0.5 0.255

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
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
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.75
lab*tch 0.25 0.0 0.75
lab*nch 0.0 0.75 0.255
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.75
lab*tce 0.25 0.0 0.75
lab*nce 0.0 0.75 0.255

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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 0.0

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

ORS18; adapted (a) CIELAB data

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

%Regularity

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

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

relative Inform. Technology (IT)
olv3* 1.0 0.951 0.5 (1.0)
cmyn3* 0.0 0.049 0.5 (0.0)
olv4* 1.0 0.951 0.5 1.0
cmyn4* 0.0 0.049 0.5 0.0
standard and adapted CIELAB
LAB*LAB 90.8 -2.3 48.29
LAB*LABa 90.8 -2.3 48.29
LAB*LABb 75.0 43.86 91.85

relative CIELAB lab*
lab*lab 0.94 -0.015 0.5
lab*tch 0.75 0.5 0.255
lab*nch 0.0 0.5 0.255
relative Natural Colour (NC)
lab*trj 0.94 0.0 0.5
lab*tce 0.75 0.5 0.255
lab*nce 0.0 0.5 0.255

relative Inform. Technology (IT)
olv3* 0.75 0.701 0.25 (1.0)
cmyn3* 0.25 0.299 0.75 (0.0)
olv4* 1.0 0.951 0.5 0.75
cmyn4* 0.0 0.049 0.5 0.25
standard and adapted CIELAB
LAB*LAB 71.45 -1.92 46.98
LAB*LABa 71.45 -1.92 46.98
LAB*LABb 50.0 43.87 91.84

relative CIELAB lab*
lab*lab 0.75 0.0 0.25
lab*tch 0.75 0.0 0.25
lab*nch 0.0 0.25 0.255
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.25
lab*tce 0.75 0.0 0.25
lab*nce 0.0 0.25 0.255

relative Inform. Technology (IT)
olv3* 0.5 0.451 0.0 (1.0)
cmyn3* 0.5 0.525 0.75 (0.0)
olv4* 1.0 0.951 0.5 0.5
cmyn4* 0.0 0.049 0.5 0.25
standard and adapted CIELAB
LAB*LAB 54.4 -0.89 23.91
LAB*LABa 54.4 -0.89 23.91
LAB*LABb 25.0 43.87 91.84

relative CIELAB lab*
lab*lab 0.5 0.0 0.5
lab*tch 0.5 0.0 0.5
lab*nch 0.0 0.5 0.255
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.5
lab*tce 0.5 0.0 0.5
lab*nce 0.0 0.5 0.255

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 0.951 0.5 0.25
cmyn4* 0.0 0.049 0.5 0.75
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.75
lab*tch 0.25 0.0 0.75
lab*nch 0.0 0.75 0.255
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.75
lab*tce 0.25 0.0 0.75
lab*nce 0.0 0.75 0.255

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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 0.0

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

BAM-test chart OE57; Colorimetric systems SRS18 & ORS18

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

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

input: $cmv0^* \text{ setcmvcolor}$

output: $cmv0^* / 000n^* \text{ setcmvcolor}$

Input: Colorimetric Standard Reflective System SRS18

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

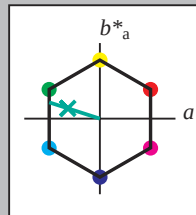
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



SRS18; adapted (a) CIELAB data

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

%Regularity

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

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

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

relative Inform. Technology (IT)
olv3* 0.75 1.0 0.806 (1.0)
cmyn3* 0.25 0.0 0.194 (0.0)
olv4* 0.75 1.0 0.806 (1.0)
cmyn4* 0.25 0.0 0.194 (0.0)
standard and adapted CIELAB
LAB*LAB 85.73 -16.74 5.37
LAB*LABa 85.73 -16.74 5.37
LAB*TCHa 97.5 17.59 162.23

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.611 (1.0)
cmyn3* 0.5 0.0 0.389 (0.0)
olv4* 0.5 1.0 0.611 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -33.5 10.74
LAB*LABa 76.06 -33.5 10.74
LAB*TCHa 75.0 35.19 162.23

relative Inform. Technology (IT)
olv3* 0.25 1.0 0.417 (1.0)
cmyn3* 0.25 0.0 0.583 (0.0)
olv4* 0.25 1.0 0.417 (1.0)
cmyn4* 0.25 0.0 0.583 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 -50.26 16.11
LAB*LABa 66.38 -50.26 16.11
LAB*TCHa 62.5 52.79 162.23

relative Inform. Technology (IT)
olv3* 0.0 1.0 0.222 (1.0)
cmyn3* 1.0 0.0 0.778 (0.0)
olv4* 0.0 1.0 0.222 (1.0)
cmyn4* 1.0 0.0 0.778 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -67.01 21.49
LAB*LABa 56.71 -67.01 21.49
LAB*TCHa 50.0 70.38 162.22

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.167 (1.0)
cmyn3* 0.75 0.0 0.833 (0.0)
olv4* 0.0 0.75 0.167 (1.0)
cmyn4* 0.75 0.0 0.833 (0.0)
standard and adapted CIELAB
LAB*LAB 47.04 -50.26 16.12
LAB*LABa 47.04 -50.26 16.12
LAB*TCHa 37.51 52.79 162.22

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.111 (1.0)
cmyn3* 0.5 0.0 0.889 (0.0)
olv4* 0.0 0.5 0.111 (1.0)
cmyn4* 0.5 0.0 0.889 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -33.5 10.75
LAB*LABa 37.36 -33.5 10.75
LAB*TCHa 25.01 35.19 162.21

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.075 (1.0)
cmyn3* 0.25 0.0 0.925 (0.0)
olv4* 0.0 0.25 0.075 (1.0)
cmyn4* 0.25 0.0 0.925 (0.0)
standard and adapted CIELAB
LAB*LAB 27.69 -16.74 5.38
LAB*LABa 27.69 -16.74 5.38
LAB*TCHa 12.5 17.59 162.21

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 37.36 -33.5 10.75
LAB*LABa 37.36 -33.5 10.75
LAB*TCHa 25.01 35.19 162.21

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 37.36 -33.5 10.75
LAB*LABa 37.36 -33.5 10.75
LAB*TCHa 25.01 35.19 162.21

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 37.36 -33.5 10.75
LAB*LABa 37.36 -33.5 10.75
LAB*TCHa 25.01 35.19 162.21

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (0.0)
cmyn3* 0.0 0.0 0.0 (1.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01

OE570-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

BAM-test chart OE57; Colorimetric systems SRS18 & ORS18

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

input: `cmv0* setcmvcolor`

output: `cmv0* / 000n* setcmvcolor`

Input: Colorimetric Standard Reflective System SRS18

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

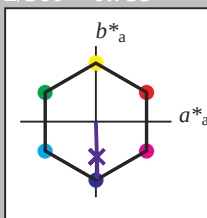
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.00 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 55.00 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 35.00 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 18.00 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 18.00 0.01 0.0

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

SRS18; adapted (a) CIELAB data

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

% Regularity

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

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

relative Inform. Technology (IT)
olvi3* 0.517 0.5 1.0 (1.0)
cmyn3* 0.483 0.5 0.0 (0.0)
olvi4* 0.517 0.5 1.0 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 1.15 -38.02
LAB*LABa 76.06 1.15 -38.02
LAB*LABb 75.0 38.04 271.74

relative CIELAB lab*
lab*lab 0.517 0.5 1.0 (1.0)
lab*tch 0.517 0.5 1.0 (1.0)
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.517 0.5 1.0 (1.0)
lab*tce 0.517 0.5 1.0 (1.0)
lab*nce 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.267 0.25 0.75 (1.0)
cmyn3* 0.733 0.75 0.25 (0.0)
olvi4* 0.517 0.5 1.0 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 1.15 -38.02
LAB*LABa 56.71 1.15 -38.02
LAB*LABb 50.0 38.05 271.74

relative CIELAB lab*
lab*lab 0.267 0.25 0.75 (1.0)
lab*tch 0.267 0.25 0.75 (1.0)
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.267 0.25 0.75 (1.0)
lab*tce 0.267 0.25 0.75 (1.0)
lab*nce 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.017 0.0 0.75 (1.0)
cmyn3* 0.983 1.0 0.5 (0.0)
olvi4* 0.517 0.5 1.0 (1.0)
cmyn4* 0.483 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 1.15 -38.02
LAB*LABa 37.36 1.15 -38.02
LAB*LABb 25.01 38.05 271.73

relative CIELAB lab*
lab*lab 0.017 0.0 0.75 (1.0)
lab*tch 0.017 0.0 0.75 (1.0)
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.017 0.0 0.75 (1.0)
lab*tce 0.017 0.0 0.75 (1.0)
lab*nce 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.009 0.0 0.75 (1.0)
cmyn3* 0.991 1.0 0.5 (0.0)
olvi4* 0.267 0.25 0.75 (1.0)
cmyn4* 0.241 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.69 0.57 -19.0
LAB*LABa 27.69 0.57 -19.0
LAB*LABb 12.5 19.02 271.72

relative CIELAB lab*
lab*lab 0.009 0.0 0.75 (1.0)
lab*tch 0.009 0.0 0.75 (1.0)
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.009 0.0 0.75 (1.0)
lab*tce 0.009 0.0 0.75 (1.0)
lab*nce 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 18.00 0.01 0.0

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

Output: Colorimetric Offset Reflective System ORS18

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

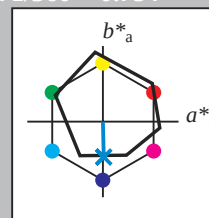
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*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)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 2.3 -76.05
LAB*LABa 56.71 2.3 -76.05
LAB*LABb 50.0 76.09 271.73

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)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 -76.05
LAB*LABa 37.36 0.13 -76.05
LAB*LABb 25.01 76.09 271.73

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)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.00 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.00 0.01 0.0

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

ORS18; adapted (a) CIELAB data

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

% Regularity

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

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

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.25 0.128 0.0 (0.0)
olvi4* 0.75 0.872 1.0 (1.0)
cmyn4* 0.25 0.128 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.0 -0.45 -7.31
LAB*LABa 82.0 0.27 -11.16
LAB*LABb 87.5 11.18 271.39

relative CIELAB lab*
lab*lab 0.5 0.75 0.75 (1.0)
lab*tch 0.5 0.75 0.75 (1.0)
lab*nch 0.0 0.25 0.754
relative Natural Colour (NC)
lab*trj 0.5 0.75 0.75 (1.0)
lab*tce 0.5 0.75 0.75 (1.0)
lab*nce 0.0 0.25 0.754

relative Inform. Technology (IT)
olvi3* 0.5 0.622 0.75 (1.0)
cmyn3* 0.378 0.25 0.25 (0.0)
olvi4* 0.75 0.872 1.0 (1.0)
cmyn4* 0.25 0.128 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 62.65 -0.07 -8.62
LAB*LABa 62.65 0.27 -11.17
LAB*LABb 62.5 11.18 271.41

relative CIELAB lab*
lab*lab 0.5 0.622 0.75 (1.0)
lab*tch 0.5 0.622 0.75 (1.0)
lab*nch 0.0 0.25 0.754
relative Natural Colour (NC)
lab*trj 0.5 0.622 0.75 (1.0)
lab*tce 0.5 0.622 0.75 (1.0)
lab*nce 0.0 0.25 0.754

relative Inform. Technology (IT)
olvi3* 0.25 0.484 0.75 (1.0)
cmyn3* 0.75 0.506 0.25 (0.0)
olvi4* 0.5 0.744 1.0 (1.0)
cmyn4* 0.25 0.128 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.25 0.45 -20.7
LAB*LABa 49.25 0.45 -20.7
LAB*LABb 50.0 22.36 271.41

relative CIELAB lab*
lab*lab 0.25 0.484 0.75 (1.0)
lab*tch 0.25 0.484 0.75 (1.0)
lab*nch 0.0 0.25 0.754
relative Natural Colour (NC)
lab*trj 0.25 0.484 0.75 (1.0)
lab*tce 0.25 0.484 0.75 (1.0)
lab*nce 0.0 0.25 0.754

relative Inform. Technology (IT)
olvi3* 0.0 0.244 0.75 (1.0)
cmyn3* 1.0 0.634 0.25 (0.0)
olvi4* 0.25 0.616 1.0 (1.0)
cmyn4* 0.25 0.384 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.84 0.83 -33.52
LAB*LABa 35.84 0.83 -33.52
LAB*LABb 37.51 33.54 271.41

relative CIELAB lab*
lab*lab 0.0 0.244 0.75 (1.0)
lab*tch 0.0 0.244 0.75 (1.0)
lab*nch 0.0 0.25 0.754
relative Natural Colour (NC)
lab*trj 0.0 0.244 0.75 (1.0)
lab*tce 0.0 0.244 0.75 (1.0)
lab*nce 0.0 0.25 0.754

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.756 0.5 (0.0)
olvi4* 0.5 0.744 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 29.9 0.5 -22.34
LAB*LABa 29.9 0.5 -22.34
LAB*LABb 25.01 22.36 271.42

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

relative Inform. Technology (IT)
olvi3* 0.25 0.616 1.0 (1.0)
cmyn3* 0.75 0.506 0.25 (0.0)
olvi4* 0.5 0.744 1.0 (1.0)
cmyn4* 0.25 0.384 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.19 0.61 -31.48
LAB*LABa 55.19 0.61 -31.48
LAB*LABb 55.0 33.54 271.41

relative CIELAB lab*
lab*lab 0.25 0.616 1.0 (1.0)
lab*tch 0.25 0.616 1.0 (1.0)
lab*nch 0.0 0.25 0.754
relative Natural Colour (NC)
lab*trj 0.25 0.616 1.0 (1.0)
lab*tce 0.25 0.616 1.0 (1.0)
lab*nce 0.0 0.25 0.754

relative Inform. Technology (IT)
olvi3* 0.0 0.366 0.75 (1.0)
cmyn3* 1.0 0.512 0.0 (0.0)
olvi4* 0.25 0.616 1.0 (1.0)
cmyn4* 0.75 0.384 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 41.79 1.1 -44.68
LAB*LABa 41.79 1.1 -44.68
LAB*LABb 50.0 44.71 271.41

relative CIELAB lab*
lab*lab 0.0 0.366 0.75 (1.0)
lab*tch 0.0 0.366 0.75 (1.0)
lab*nch 0.0 0.25 0.754
relative Natural Colour (NC)
lab*trj 0.0 0.366 0.75 (1.0)
lab*tce 0.0 0.366 0.75 (1.0)
lab*nce 0.0 0.25 0.754

relative Inform. Technology (IT)
olvi3* 0.0 0.488 1.0 (1.0)
cmyn3* 1.0 0.512 0.0 (0.0)
olvi4* 0.25 0.616 1.0 (1.0)
cmyn4* 0.75 0