

Input: Colorimetric Reflective System MRS18

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

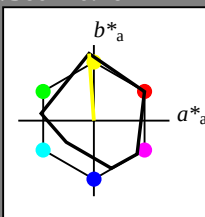
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness t^*



MRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

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 -0.97 47.5
LAB*ABa 95.41 0.0 0.0
LAB*TCha 99.99 0.01 0.0

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 94.22 -2.54 26.86
LAB*ABa 94.22 -1.58 22.18
LAB*TCha 97.5 22.24 94.1

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 93.05 -4.11 48.97
LAB*ABa 93.05 -3.17 44.37
LAB*TCha 75.0 44.48 94.1

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 91.87 -5.68 71.07
LAB*ABa 91.87 -4.77 66.55
LAB*TCha 62.5 66.73 94.1

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 90.69 -7.25 93.17
LAB*ABa 90.69 -6.36 88.73
LAB*TCha 50.0 88.96 94.1

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 89.39 -0.048 9.99
LAB*ABa 89.39 0.0 1.0 (0.0)
LAB*TCha 50.0 1.0 (0.0)

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 87.5 0.0 0.0
LAB*ABa 87.5 0.0 0.0
LAB*TCha 50.0 0.0 0.0

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 85.0 0.0 0.0
LAB*ABa 85.0 0.0 0.0
LAB*TCha 50.0 0.0 0.0

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 82.5 0.0 0.0
LAB*ABa 82.5 0.0 0.0
LAB*TCha 50.0 0.0 0.0

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 80.0 0.0 0.0
LAB*ABa 80.0 0.0 0.0
LAB*TCha 50.0 0.0 0.0

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 77.5 0.0 0.0
LAB*ABa 77.5 0.0 0.0
LAB*TCha 50.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.5)
cmyn3* 0.5 0.5 0.5 (0.5)
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 -0.23 2.14
LAB*ABa 56.71 0.0 0.0
LAB*TCha 50.0 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.5)
cmyn3* 0.5 0.5 0.5 (0.5)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.23 -1.8 24.26
LAB*ABa 55.23 -1.58 22.19
LAB*TCha 37.5 22.24 94.1

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.5)
cmyn3* 0.5 0.5 0.5 (0.5)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 53.75 -3.75 46.36
LAB*ABa 53.75 -3.17 44.38
LAB*TCha 37.5 22.24 94.1

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.5)
cmyn3* 0.5 0.5 0.5 (0.5)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.23 -5.31 69.77
LAB*ABa 52.23 -4.77 66.55
LAB*TCha 37.5 22.24 94.1

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.5)
cmyn3* 0.5 0.5 0.5 (0.5)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.75 -7.25 93.17
LAB*ABa 50.75 -6.36 88.73
LAB*TCha 37.5 22.24 94.1

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.5)
cmyn3* 0.5 0.5 0.5 (0.5)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.25 -9.38 99.99
LAB*ABa 49.25 0.0 1.0 (0.0)
LAB*TCha 37.5 22.24 94.1

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.5)
cmyn3* 0.5 0.5 0.5 (0.5)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.75 -11.5 111.01
LAB*ABa 47.75 -10.61 106.59
LAB*TCha 37.5 22.24 94.1

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.5)
cmyn3* 0.5 0.5 0.5 (0.5)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.25 -13.6 122.50
LAB*ABa 46.25 -12.72 118.00
LAB*TCha 37.5 22.24 94.1

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.5)
cmyn3* 0.5 0.5 0.5 (0.5)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 44.75 -15.7 134.01
LAB*ABa 44.75 -14.81 129.50
LAB*TCha 37.5 22.24 94.1

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.5)
cmyn3* 0.5 0.5 0.5 (0.5)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 43.25 -17.8 145.52
LAB*ABa 43.25 -16.91 140.99
LAB*TCha 37.5 22.24 94.1

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.5)
cmyn3* 0.5 0.5 0.5 (0.5)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 41.75 -19.9 157.03
LAB*ABa 41.75 -19.01 152.49
LAB*TCha 37.5 22.24 94.1

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.5)
cmyn3* 0.5 0.5 0.5 (0.5)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 40.25 -22.0 168.54
LAB*ABa 40.25 -21.11 163.99
LAB*TCha 37.5 22.24 94.1

TE530-7, 5 step scales for constant CIELAB hue 94/360 = 0.261 (left)

5 step scales for constant CIELAB hue 91/360 = 0.252 (right)

BAM-test chart TE53; Colorimetric systems MRS18 & NCS11a input: $olv^* setrgbcolor$

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

output: no change compared to input

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 172/360 = 0.479$

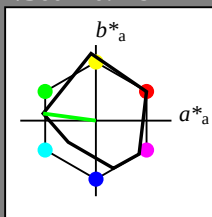
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 91$

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 -0.97 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 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)
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 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 76.06 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* 0.5 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 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 56.71 0.0 0.0

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

relative Inform. Technology (IT)
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 -0.38 0.83
LAB*LABa 37.36 0.0 0.0
LAB*LABb 37.36 0.0 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0

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

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

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

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 84.58 -18.19 6.39
LAB*LABa 84.58 -17.42 2.36
LAB*LABb 84.58 -17.42 2.36

relative CIELAB lab*
lab*lab 0.86 -0.247 0.034
lab*tch 0.875 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.86 -0.247 -0.028
lab*tce 0.875 0.25 0.518
lab*nce 0.0 0.25 0.970

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 65.23 -17.83 5.08
LAB*LABa 65.23 -17.42 2.36
LAB*LABb 65.23 -17.42 2.36

relative CIELAB lab*
lab*lab 0.61 -0.247 -0.028
lab*tch 0.625 0.25 0.518
lab*nch 0.0 0.25 0.518
relative Natural Colour (NC)
lab*trj 0.61 -0.247 -0.028
lab*tce 0.625 0.25 0.518
lab*nce 0.0 0.25 0.970

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 45.88 -17.46 3.78
LAB*LABa 45.88 -17.42 2.36
LAB*LABb 45.88 -17.42 2.36

relative CIELAB lab*
lab*lab 0.36 -0.247 -0.028
lab*tch 0.375 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.36 -0.247 -0.028
lab*tce 0.375 0.25 0.479
lab*nce 0.0 0.25 0.970

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 1.0 0.5 0.0 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 35.06 -34.67 5.41
LAB*LABa 35.06 -34.85 4.72
LAB*LABb 35.06 -34.85 4.72

relative CIELAB lab*
lab*lab 0.22 -0.494 0.067
lab*tch 0.25 0.5 0.479
lab*nch 0.0 0.5 0.479
relative Natural Colour (NC)
lab*trj 0.22 -0.494 -0.056
lab*tce 0.25 0.5 0.518
lab*nce 0.0 0.5 0.970

relative Inform. Technology (IT)
olvi3* 0.11 -0.247 0.034
lab*tch 0.125 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.11 -0.247 -0.028
lab*tce 0.125 0.25 0.518
lab*nce 0.0 0.25 0.970

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0

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

MRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 159$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.75 -35.42 8.02
LAB*LABa 73.75 -34.85 4.72
LAB*LABb 73.75 -34.85 4.72

relative CIELAB lab*
lab*lab 0.72 -0.494 0.067
lab*tch 0.75 0.5 0.479
lab*nch 0.0 0.5 0.479
relative Natural Colour (NC)
lab*trj 0.72 -0.494 -0.056
lab*tce 0.75 0.5 0.518
lab*nce 0.0 0.5 0.970

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 62.93 -52.64 9.65
LAB*LABa 62.93 -52.28 7.08
LAB*LABb 62.93 -52.28 7.08

relative CIELAB lab*
lab*lab 0.58 -0.744 -0.085
lab*tch 0.625 0.75 0.518
lab*nch 0.0 0.75 0.518
relative Natural Colour (NC)
lab*trj 0.58 -0.744 -0.085
lab*tce 0.625 0.75 0.518
lab*nce 0.0 0.75 0.970

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 52.11 -69.86 11.28
LAB*LABa 52.11 -69.71 9.44
LAB*LABb 52.11 -69.71 9.44

relative CIELAB lab*
lab*lab 0.441 -0.99 0.134
lab*tch 0.5 1.0 0.479
lab*nch 0.0 1.0 0.479
relative Natural Colour (NC)
lab*trj 0.441 -0.992 -0.114
lab*tce 0.5 1.0 0.518
lab*nce 0.0 1.0 0.970

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 31.51 -72.78 7.08
LAB*LABa 31.51 -72.78 7.08
LAB*LABb 31.51 -72.78 7.08

relative CIELAB lab*
lab*lab 0.33 -0.744 -0.085
lab*tch 0.375 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.33 -0.744 -0.085
lab*tce 0.375 0.25 0.479
lab*nce 0.0 0.25 0.970

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.01
LAB*LABa 11.01 0.0 0.0
LAB*LABb 11.01 0.0 0.0

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

$n^* = 0.00$

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

$n^* = 1.0$

chromaticness c^*

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 167/360 = 0.465$

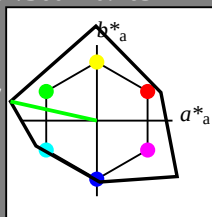
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 149$

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 -0.01
LAB*LABa 95.41 0.0 0.0
LAB*LABb 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)
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 87.32 -28.53 6.33
LAB*LABa 87.32 -28.53 6.33
LAB*LABb 87.32 -28.53 6.33

relative CIELAB lab*
lab*lab 0.904 -0.248 -0.018
lab*tch 0.875 0.25 0.512
lab*nch 0.0 0.25 0.512
relative Natural Colour (NC)
lab*trj 0.904 -0.248 -0.018
lab*tce 0.875 0.25 0.512
lab*nce 0.0 0.25 0.946

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 79.24 -57.1 12.67
LAB*LABa 79.24 -57.12 12.67
LAB*LABb 79.24 -57.12 12.67

relative CIELAB lab*
lab*lab 0.808 -0.487 0.108
lab*tch 0.75 0.5 0.465
lab*nch 0.0 0.5 0.465
relative Natural Colour (NC)
lab*trj 0.808 -0.487 -0.037
lab*tce 0.75 0.5 0.512
lab*nce 0.0 0.5 0.946

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.22 -28.53 6.34
LAB*LABa 66.22 -28.56 6.34
LAB*LABb 66.22 -28.56 6.34

relative CIELAB lab*
lab*lab 0.625 0.25 0.512
lab*tch 0.625 0.25 0.512
lab*nch 0.0 0.25 0.512
relative Natural Colour (NC)
lab*trj 0.625 0.25 0.512
lab*tce 0.625 0.25 0.512
lab*nce 0.0 0.25 0.946

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.0 0.0
LAB*LABa 53.21 0.0 0.0
LAB*LABb 53.21 0.0 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.01
LAB*LABa 11.01 0.0 0.0
LAB*LABb 11.01 0.0 0.0

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

$n^* = 1.0$

5 step scales for constant CIELAB hue 167/360 = 0.465 (right)

TE530-7, 5 step scales for constant CIELAB hue 172/360 = 0.479 (left)

BAM-test chart TE53; Colorimetric systems MRS18 & NCS11a input: $olv^* setrgbcolor$

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

output: no change compared to input

Input: Colorimetric Reflective System MRS18

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

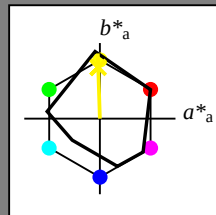
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 91$

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 -0.97 47.5
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 1.0 0.988 0.75 (1.0)
cmyn3* 0.0 0.012 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 93.72 -1.64 26.21
LAB*LABa 93.72 -0.69 21.57
LAB*TCHa 97.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 1.0 0.978 0.75 (1.0)
cmyn3* 0.0 0.024 0.25 (0.0)
olvi4* 1.0 0.978 0.75 (1.0)
cmyn4* 0.0 0.024 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 92.04 -2.3 47.67
LAB*LABa 92.04 -1.39 43.14
LAB*TCHa 97.5 43.16 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.963 0.75 (1.0)
cmyn3* 0.0 0.037 0.25 (0.0)
olvi4* 1.0 0.963 0.75 (1.0)
cmyn4* 0.0 0.037 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 90.36 -2.96 69.13
LAB*LABa 90.36 -2.08 64.71
LAB*TCHa 62.5 64.74 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.951 0.75 (1.0)
cmyn3* 0.0 0.049 0.1 (0.0)
olvi4* 1.0 0.951 0.75 (1.0)
cmyn4* 0.0 0.049 0.1 (0.0)
standard and adapted CIELAB
LAB*LAB 88.68 -3.62 90.58
LAB*LABa 88.68 -2.77 86.27
LAB*TCHa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.939 0.75 (1.0)
cmyn3* 0.0 0.061 0.05 (0.0)
olvi4* 1.0 0.939 0.75 (1.0)
cmyn4* 0.0 0.061 0.05 (0.0)
standard and adapted CIELAB
LAB*LAB 86.27 -4.32 91.85
LAB*LABa 86.27 -3.47 87.32
LAB*TCHa 37.5 87.32 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.927 0.75 (1.0)
cmyn3* 0.0 0.073 0.05 (0.0)
olvi4* 1.0 0.927 0.75 (1.0)
cmyn4* 0.0 0.073 0.05 (0.0)
standard and adapted CIELAB
LAB*LAB 84.31 -5.02 91.85
LAB*LABa 84.31 -4.17 82.31
LAB*TCHa 25.0 82.31 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.915 0.75 (1.0)
cmyn3* 0.0 0.085 0.05 (0.0)
olvi4* 1.0 0.915 0.75 (1.0)
cmyn4* 0.0 0.085 0.05 (0.0)
standard and adapted CIELAB
LAB*LAB 82.31 -5.73 91.85
LAB*LABa 82.31 -4.88 77.31
LAB*TCHa 12.5 77.31 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.903 0.75 (1.0)
cmyn3* 0.0 0.097 0.05 (0.0)
olvi4* 1.0 0.903 0.75 (1.0)
cmyn4* 0.0 0.097 0.05 (0.0)
standard and adapted CIELAB
LAB*LAB 80.36 -6.44 91.85
LAB*LABa 80.36 -5.59 62.31
LAB*TCHa 0.0 62.31 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.891 0.75 (1.0)
cmyn3* 0.0 0.109 0.05 (0.0)
olvi4* 1.0 0.891 0.75 (1.0)
cmyn4* 0.0 0.109 0.05 (0.0)
standard and adapted CIELAB
LAB*LAB 78.41 -7.16 91.85
LAB*LABa 78.41 -6.31 47.31
LAB*TCHa -12.5 47.31 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.879 0.75 (1.0)
cmyn3* 0.0 0.121 0.05 (0.0)
olvi4* 1.0 0.879 0.75 (1.0)
cmyn4* 0.0 0.121 0.05 (0.0)
standard and adapted CIELAB
LAB*LAB 76.46 -7.88 91.85
LAB*LABa 76.46 -7.03 2.31
LAB*TCHa -25.0 2.31 91.85

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 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.738 0.5 (1.0)
cmyn3* 0.25 0.262 0.5 (0.0)
olvi4* 1.0 0.988 0.75 (0.75)
cmyn4* 0.0 0.012 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 74.38 -1.26 24.91
LAB*LABa 74.38 -0.68 21.57
LAB*TCHa 62.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.726 0.5 (1.0)
cmyn3* 0.25 0.274 0.5 (0.0)
olvi4* 1.0 0.988 0.75 (0.75)
cmyn4* 0.0 0.012 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 72.7 -1.92 46.37
LAB*LABa 72.7 -1.38 43.14
LAB*TCHa 50.0 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.713 0.5 (1.0)
cmyn3* 0.25 0.274 0.5 (0.0)
olvi4* 1.0 0.988 0.75 (0.75)
cmyn4* 0.0 0.012 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 71.02 -2.59 67.82
LAB*LABa 71.02 -2.07 64.7
LAB*TCHa 37.5 64.74 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.701 0.5 (1.0)
cmyn3* 0.25 0.287 0.5 (0.0)
olvi4* 1.0 0.988 0.75 (0.75)
cmyn4* 0.0 0.012 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 69.13 -3.25 69.13
LAB*LABa 69.13 -2.40 64.7
LAB*TCHa 25.0 64.74 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.688 0.5 (1.0)
cmyn3* 0.25 0.287 0.5 (0.0)
olvi4* 1.0 0.988 0.75 (0.75)
cmyn4* 0.0 0.012 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 67.18 -3.97 69.13
LAB*LABa 67.18 -3.12 64.7
LAB*TCHa 12.5 64.74 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.676 0.5 (1.0)
cmyn3* 0.25 0.299 0.5 (0.0)
olvi4* 1.0 0.988 0.75 (0.75)
cmyn4* 0.0 0.012 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 65.23 -4.69 69.13
LAB*LABa 65.23 -3.84 59.13
LAB*TCHa 0.0 59.13 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.664 0.5 (1.0)
cmyn3* 0.25 0.311 0.5 (0.0)
olvi4* 1.0 0.988 0.75 (0.75)
cmyn4* 0.0 0.012 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 63.28 -5.40 69.13
LAB*LABa 63.28 -4.55 49.13
LAB*TCHa -12.5 49.13 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.652 0.5 (1.0)
cmyn3* 0.25 0.323 0.5 (0.0)
olvi4* 1.0 0.988 0.75 (0.75)
cmyn4* 0.0 0.012 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 61.33 -6.11 69.13
LAB*LABa 61.33 -5.26 39.13
LAB*TCHa -25.0 39.13 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.640 0.5 (1.0)
cmyn3* 0.25 0.335 0.5 (0.0)
olvi4* 1.0 0.988 0.75 (0.75)
cmyn4* 0.0 0.012 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 59.38 -6.82 69.13
LAB*LABa 59.38 -5.97 29.13
LAB*TCHa -37.5 29.13 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.628 0.5 (1.0)
cmyn3* 0.25 0.347 0.5 (0.0)
olvi4* 1.0 0.988 0.75 (0.75)
cmyn4* 0.0 0.012 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 57.43 -7.53 69.13
LAB*LABa 57.43 -6.68 19.13
LAB*TCHa -50.0 19.13 91.84

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 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.488 0.25 (1.0)
cmyn3* 0.5 0.512 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 55.03 -0.89 31.36
LAB*LABa 55.03 -0.68 21.57
LAB*TCHa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.476 0.25 (1.0)
cmyn3* 0.5 0.524 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 53.08 -1.53 45.05
LAB*LABa 53.08 -1.38 43.13
LAB*TCHa 25.0 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.464 0.25 (1.0)
cmyn3* 0.5 0.536 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 51.13 -2.24 45.05
LAB*LABa 51.13 -2.09 43.13
LAB*TCHa 12.5 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.452 0.25 (1.0)
cmyn3* 0.5 0.548 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 49.18 -2.95 45.05
LAB*LABa 49.18 -2.80 43.13
LAB*TCHa 0.0 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.440 0.25 (1.0)
cmyn3* 0.5 0.560 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 47.23 -3.66 45.05
LAB*LABa 47.23 -3.51 43.13
LAB*TCHa -12.5 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.428 0.25 (1.0)
cmyn3* 0.5 0.572 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 45.28 -4.37 45.05
LAB*LABa 45.28 -4.22 43.13
LAB*TCHa -25.0 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.416 0.25 (1.0)
cmyn3* 0.5 0.584 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 43.33 -5.08 45.05
LAB*LABa 43.33 -4.93 43.13
LAB*TCHa -37.5 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.404 0.25 (1.0)
cmyn3* 0.5 0.596 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 41.38 -5.79 45.05
LAB*LABa 41.38 -5.64 43.13
LAB*TCHa -50.0 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.392 0.25 (1.0)
cmyn3* 0.5 0.608 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 39.43 -6.50 45.05
LAB*LABa 39.43 -6.35 43.13
LAB*TCHa -62.5 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.380 0.25 (1.0)
cmyn3* 0.5 0.620 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 37.48 -7.21 45.05
LAB*LABa 37.48 -7.06 43.13
LAB*TCHa -75.0 43.16 91.84

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 37.36 -0.38 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.238 0.25 (1.0)
cmyn3* 0.75 0.762 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 35.41 -0.99 21.57
LAB*LABa 35.41 -0.78 21.57
LAB*TCHa 12.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.226 0.25 (1.0)
cmyn3* 0.75 0.774 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 33.46 -1.60 45.05
LAB*LABa 33.46 -1.45 43.13
LAB*TCHa 0.0 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.214 0.25 (1.0)
cmyn3* 0.75 0.786 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 31.51 -2.31 45.05
LAB*LABa 31.51 -2.16 43.13
LAB*TCHa -12.5 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.202 0.25 (1.0)
cmyn3* 0.75 0.798 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 29.56 -3.02 45.05
LAB*LABa 29.56 -2.87 43.13
LAB*TCHa -25.0 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.190 0.25 (1.0)
cmyn3* 0.75 0.810 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 27.61 -3.73 45.05
LAB*LABa 27.61 -3.58 43.13
LAB*TCHa -37.5 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.178 0.25 (1.0)
cmyn3* 0.75 0.822 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 25.66 -4.44 45.05
LAB*LABa 25.66 -4.29 43.13
LAB*TCHa -50.0 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.166 0.25 (1.0)
cmyn3* 0.75 0.834 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 23.71 -5.15 45.05
LAB*LABa 23.71 -5.00 43.13
LAB*TCHa -62.5 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.154 0.25 (1.0)
cmyn3* 0.75 0.846 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 21.76 -5.86 45.05
LAB*LABa 21.76 -5.71 43.13
LAB*TCHa -75.0 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.142 0.25 (1.0)
cmyn3* 0.75 0.858 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 19.81 -6.57 45.05
LAB*LABa 19.81 -6.42 43.13
LAB*TCHa -87.5 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.130 0.25 (1.0)
cmyn3* 0.75 0.870 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 17.86 -7.28 45.05
LAB*LABa 17.86 -7.13 43.13
LAB*TCHa -100.0 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.228 -0.007 0.25
cmyn3* 0.75 0.774 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 35.41 -0.99 21.57
LAB*LABa 35.41 -0.78 21.57
LAB*TCHa 12.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.226 -0.007 0.25
cmyn3* 0.75 0.774 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 33.46 -1.60 45.05
LAB*LABa 33.46 -1.45 43.13
LAB*TCHa 0.0 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.224 -0.007 0.25
cmyn3* 0.75 0.774 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 31.51 -2.31 45.05
LAB*LABa 31.51 -2.16 43.13
LAB*TCHa -12.5 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.222 -0.007 0.25
cmyn3* 0.75 0.774 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 29.56 -3.02 45.05
LAB*LABa 29.56 -2.87 43.13
LAB*TCHa -25.0 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.220 -0.007 0.25
cmyn3* 0.75 0.774 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 27.61 -3.73 45.05
LAB*LABa 27.61 -3.58 43.13
LAB*TCHa -37.5 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.218 -0.007 0.25
cmyn3* 0.75 0.774 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 25.66 -4.44 45.05
LAB*LABa 25.66 -4.29 43.13
LAB*TCHa -50.0 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.216 -0.007 0.25
cmyn3* 0.75 0.774 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 23.71 -5.15 45.05
LAB*LABa 23.71 -5.00 43.13
LAB*TCHa -62.5 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.214 -0.007 0.25
cmyn3* 0.75 0.774 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 21.76 -5.86 45.05
LAB*LABa 21.76 -5.71 43.13
LAB*TCHa -75.0 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.212 -0.007 0.25
cmyn3* 0.

Input: Colorimetric Reflective System MRS18

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

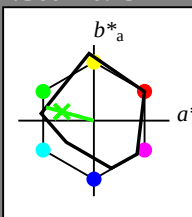
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 95.41 -0.97 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*trc 1.0 0.0 0.0
lab*trb 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.00 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.00 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 37.36 -0.37 0.83
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.00 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi4* 1.0 1.0 1.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi4* 1.0 1.0 1.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 -

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

MRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)
olvi3* 0.551 1.0 0.5 (1.0)
olvi4* 0.449 0.0 0.5 (0.0)
olvi5* 0.551 1.0 0.5 (1.0)
olvi6* 0.449 0.0 0.5 (0.0)
olvi7* 0.551 1.0 0.5 (1.0)
LAB*LAB 75.74 -32.2 12.22
LAB*LABa 75.74 -31.6 8.79
LAB*LABb 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.551 0.0 0.5 (1.0)
lab*tch 0.551 0.0 0.5 (1.0)
lab*nch 0.0 0.0 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.551 0.0 0.5 (1.0)
lab*trc 0.551 0.0 0.5 (1.0)
lab*trb 0.0 0.0 0.5 (0.0)

relative Inform. Technology (IT)
olvi3* 0.301 0.5 0.25 (1.0)
olvi4* 0.699 0.25 0.75 (0.0)
olvi5* 0.551 1.0 0.5 (1.0)
olvi6* 0.449 0.0 0.5 (0.0)
olvi7* 0.551 1.0 0.5 (1.0)
LAB*LAB 56.39 -31.61 8.79
LAB*LABa 56.39 -31.61 8.79
LAB*LABb 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.301 0.5 0.25 (1.0)
lab*tch 0.301 0.5 0.25 (1.0)
lab*nch 0.0 0.0 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.301 0.5 0.25 (1.0)
lab*trc 0.301 0.5 0.25 (1.0)
lab*trb 0.0 0.0 0.5 (0.0)

relative Inform. Technology (IT)
olvi3* 0.031 0.5 0.0 (1.0)
olvi4* 0.969 0.25 0.75 (0.0)
olvi5* 0.551 1.0 0.5 (1.0)
olvi6* 0.449 0.0 0.5 (0.0)
olvi7* 0.551 1.0 0.5 (1.0)
LAB*LAB 46.87 -15.85 5.88
LAB*LABa 46.87 -15.85 5.88
LAB*LABb 37.50 0.01 -

relative CIELAB lab*
lab*lab 0.031 0.5 0.0 (1.0)
lab*tch 0.031 0.5 0.0 (1.0)
lab*nch 0.0 0.0 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.031 0.5 0.0 (1.0)
lab*trc 0.031 0.5 0.0 (1.0)
lab*trb 0.0 0.0 0.5 (0.0)

relative Inform. Technology (IT)
olvi3* 0.031 0.5 0.0 (1.0)
olvi4* 0.969 0.25 0.75 (0.0)
olvi5* 0.551 1.0 0.5 (1.0)
olvi6* 0.449 0.0 0.5 (0.0)
olvi7* 0.551 1.0 0.5 (1.0)
LAB*LAB 46.87 -15.85 5.88
LAB*LABa 46.87 -15.85 5.88
LAB*LABb 37.50 0.01 -

relative CIELAB lab*
lab*lab 0.031 0.5 0.0 (1.0)
lab*tch 0.031 0.5 0.0 (1.0)
lab*nch 0.0 0.0 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.031 0.5 0.0 (1.0)
lab*trc 0.031 0.5 0.0 (1.0)
lab*trb 0.0 0.0 0.5 (0.0)

relative Inform. Technology (IT)
olvi3* 0.031 0.5 0.0 (1.0)
olvi4* 0.969 0.25 0.75 (0.0)
olvi5* 0.551 1.0 0.5 (1.0)
olvi6* 0.449 0.0 0.5 (0.0)
olvi7* 0.551 1.0 0.5 (1.0)
LAB*LAB 46.87 -15.85 5.88
LAB*LABa 46.87 -15.85 5.88
LAB*LABb 37.50 0.01 -

relative CIELAB lab*
lab*lab 0.031 0.5 0.0 (1.0)
lab*tch 0.031 0.5 0.0 (1.0)
lab*nch 0.0 0.0 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.031 0.5 0.0 (1.0)
lab*trc 0.031 0.5 0.0 (1.0)
lab*trb 0.0 0.0 0.5 (0.0)

Output: Colorimetric Reflective System NCS11

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

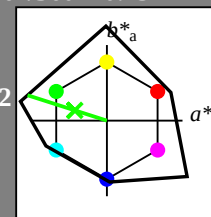
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 95.41 0.0 -0.01
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*trc 1.0 0.0 0.0
lab*trb 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 74.31 0.02 0.0
LAB*LABa 74.31 0.02 0.0
LAB*LABb 75.00 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 56.07 -63.21 19.68
LAB*LABa 56.07 -63.21 19.68
LAB*LABb 50.00 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*LABb 25.00 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi4* 1.0 1.0 1.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*LABb 0.01 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi4* 1.0 1.0 1.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*LABb 0.01 0.01 -

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

NCS11; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)
olvi3* 0.771 1.0 0.75 (1.0)
olvi4* 0.229 0.0 0.25 (0.0)
olvi5* 0.771 1.0 0.75 (1.0)
olvi6* 0.229 0.0 0.25 (0.0)
olvi7* 0.771 1.0 0.75 (1.0)
LAB*LAB 87.9 -26.2 8.39
LAB*LABa 87.9 -26.2 8.39
LAB*LABb 87.5 27.54 162.25

relative CIELAB lab*
lab*lab 0.771 0.0 0.75 (1.0)
lab*tch 0.771 0.0 0.75 (1.0)
lab*nch 0.0 0.0 0.75 (0.0)
relative Natural Colour (NC)
lab*trj 0.771 0.0 0.75 (1.0)
lab*trc 0.771 0.0 0.75 (1.0)
lab*trb 0.0 0.0 0.75 (0.0)

relative Inform. Technology (IT)
olvi3* 0.521 0.75 0.5 (1.0)
olvi4* 0.479 0.25 0.5 (0.0)
olvi5* 0.771 1.0 0.75 (1.0)
olvi6* 0.229 0.0 0.25 (0.0)
olvi7* 0.771 1.0 0.75 (1.0)
LAB*LAB 66.81 -26.19 8.4
LAB*LABa 66.81 -26.19 8.4
LAB*LABb 62.5 27.55 162.25

relative CIELAB lab*
lab*lab 0.521 0.0 0.75 (1.0)
lab*tch 0.521 0.0 0.75 (1.0)
lab*nch 0.0 0.0 0.75 (0.0)
relative Natural Colour (NC)
lab*trj 0.521 0.0 0.75 (1.0)
lab*trc 0.521 0.0 0.75 (1.0)
lab*trb 0.0 0.0 0.75 (0.0)

relative Inform. Technology (IT)
olvi3* 0.291 0.75 0.25 (1.0)
olvi4* 0.709 0.25 0.75 (0.0)
olvi5* 0.521 1.0 0.75 (1.0)
olvi6* 0.479 0.25 0.5 (0.0)
olvi7* 0.521 1.0 0.75 (1.0)
LAB*LAB 59.31 -52.46 16.79
LAB*LABa 59.31 -52.46 16.79
LAB*LABb 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.291 0.75 0.25 (1.0)
lab*tch 0.291 0.75 0.25 (1.0)
lab*nch 0.0 0.0 0.75 (0.0)
relative Natural Colour (NC)
lab*trj 0.291 0.75 0.25 (1.0)
lab*trc 0.291 0.75 0.25 (1.0)
lab*trb 0.0 0.0 0.75 (0.0)

relative Inform. Technology (IT)
olvi3* 0.041 0.5 0.0 (1.0)
olvi4* 0.959 0.25 0.75 (0.0)
olvi5* 0.521 1.0 0.75 (1.0)
olvi6* 0.479 0.25 0.5 (0.0)
olvi7* 0.521 1.0 0.75 (1.0)
LAB*LAB 38.2 -52.46 16.78
LAB*LABa 38.2 -52.46 16.78
LAB*LABb 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.041 0.5 0.0 (1.0)
lab*tch 0.041 0.5 0.0 (1.0)
lab*nch 0.0 0.0 0.75 (0.0)
relative Natural Colour (NC)
lab*trj 0.041 0.5 0.0 (1.0)
lab*trc 0.041 0.5 0.0 (1.0)
lab*trb 0.0 0.0 0.75 (0.0)

relative Inform. Technology (IT)
olvi3* 0.041 0.5 0.0 (1.0)
olvi4* 0.959 0.25 0.75 (0.0)
olvi5* 0.521 1.0 0.75 (1.0)
olvi6* 0.479 0.25 0.5 (0.0)
olvi7* 0.521 1.0 0.75 (1.0)
LAB*LAB 38.2 -52.46 16.78
LAB*LABa 38.2 -52.46 16.78
LAB*LABb 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.041 0.5 0.0 (1.0)
lab*tch 0.041 0.5 0.0 (1.0)
lab*nch 0.0 0.0 0.75 (0.0)
relative Natural Colour (NC)
lab*trj 0.041 0.5 0.0 (1.0)
lab*trc 0.041 0.5 0.0 (1.0)
lab*trb 0.0 0.0 0.75 (0.0)

BAM-test chart TE53; Colorimetric systems MRS18 & NCS11a input: $olv^* setrgbcolor$

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

output: no change compared to input

