

1

ps.bam.de Version 2.1, io=1,1

1

	L	V
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output: *no change compared to input*

Input: Colorimetric Reflective System MRS18

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

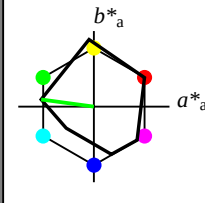
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness t^*



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
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	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 4.75
LAB*ABa 95.41 0.0 0.0
LAB*TCha 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 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*ABa 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 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 -
lab*nce 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*ABa 56.71 0.0 0.0
LAB*TCha 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 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 -0.33 0.83
LAB*ABa 37.36 0.0 0.0
LAB*TCha 25.0 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.0
LAB*ABa 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 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.0
LAB*ABa 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 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 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 0.75 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*ABa 84.58 -17.42 2.36
LAB*TCha 87.5 17.59 172.29

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 0.676

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 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*ABa 65.23 -17.42 2.36
LAB*TCha 62.5 17.59 172.29

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 0.676

relative Inform. Technology (IT)
olvi3* 0.25 0.5 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*ABa 45.88 -17.42 2.36
LAB*TCha 37.5 17.59 172.29

relative CIELAB lab*
lab*lab 0.36 -0.247 0.034
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 0.518
lab*nce 0.0 0.25 0.676

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 0.0 (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 35.06 -34.67 5.41
LAB*ABa 35.06 -34.85 4.72
LAB*TCha 25.01 35.18 172.29

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 0.676

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 0.676

relative CIELAB lab*
lab*lab 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 0.676

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.0
LAB*ABa 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 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

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*ABa 73.75 -34.85 4.72
LAB*TCha 75.0 35.18 172.29

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 0.676

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 62.93 -52.64 9.65
LAB*ABa 62.93 -52.28 7.08
LAB*TCha 62.5 52.77 172.29

relative CIELAB lab*
lab*lab 0.58 -0.742 0.101
lab*tch 0.625 0.75 0.479
lab*nch 0.0 0.75 0.479
relative Natural Colour (NC)
lab*trj 0.58 -0.742 -0.085
lab*tce 0.625 0.75 0.518
lab*nce 0.0 0.75 0.676

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 1.0 0.0 (0.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.11 -69.86 11.28
LAB*ABa 52.11 -69.71 9.44
LAB*TCha 50.0 70.36 172.29

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 0.676

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.25 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 43.58 -27.84 3.44
LAB*ABa 43.58 -27.28 7.08
LAB*TCha 35.1 52.77 172.29

relative CIELAB lab*
lab*lab 0.31 -0.742 0.101
lab*tch 0.375 0.75 0.479
lab*nch 0.0 0.75 0.479
relative Natural Colour (NC)
lab*trj 0.31 -0.744 -0.085
lab*tce 0.375 0.75 0.518
lab*nce 0.0 0.75 0.676

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.06 -34.67 5.41
LAB*ABa 35.06 -34.85 4.72
LAB*TCha 25.01 35.18 172.29

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 0.676

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 0.676

relative CIELAB lab*
lab*lab 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 0.676

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 62.93 -52.64 9.65
LAB*ABa 62.93 -52.28 7.08
LAB*TCha 62.5 52.77 172.29

relative CIELAB lab*
lab*lab 0.58 -0.742 0.101
lab*tch 0.625 0.75 0.479
lab*nch 0.0 0.75 0.479
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 0.676

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 1.0 0.0 (0.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.11 -69.86 11.28
LAB*ABa 52.11 -69.71 9.44
LAB*TCha 50.0 70.36 172.29

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 0.676

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.25 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 43.58 -27.84 3.44
LAB*ABa 43.58 -27.28 7.08
LAB*TCha 35.1 52.77 172.29

relative CIELAB lab*
lab*lab 0.31 -0.742 0.101
lab*tch 0.375 0.75 0.479
lab*nch 0.0 0.75 0.479
relative Natural Colour (NC)
lab*trj 0.31 -0.744 -0.085
lab*tce 0.375 0.75 0.518
lab*nce 0.0 0.75 0.676

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.06 -34.67 5.41
LAB*ABa 35.06 -34.85 4.72
LAB*TCha 25.01 35.18 172.29

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 0.676

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 0.676

relative CIELAB lab*
lab*lab 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 0.676

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.0
LAB*ABa 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 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 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 76.06 -0.6 3.44
LAB*ABa 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 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 -
lab*nce 0.0 0.0 -

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* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 65.23 -17.83 5.08
LAB*ABa 65.23 -17.42 2.36
LAB*TCha 62.5 17.59 172.29

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 0.676

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.5 0.0 (1.0)
cmyn4* 1.0 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 -

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

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 -0.33 0.83
LAB*ABa 37.36 0.0 0.0
LAB*TCha 25.0 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.0
LAB*ABa 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 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.0

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 218/360 = 0.605$

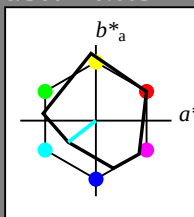
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

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
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	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)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 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)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 1.0 1.0 (1.0)
olvi3* 0.25 0.0 0.0 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
olvi4* 0.25 0.0 0.0 (0.0)
olvi5* 0.75 1.0 1.0 (1.0)
olvi5* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.81 -9.87 -3.2
LAB*LAB 82.81 -9.13 -7.11
LAB*LAB 82.81 -9.13 -7.11

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.5 1.0 1.0 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 70.21 -18.77 -11.17
LAB*LAB 70.21 -18.27 -14.23
LAB*LAB 70.21 -18.27 -14.23

relative Inform. Technology (IT)
olvi3* 0.25 1.0 1.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.25 1.0 1.0 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 57.62 -27.67 -19.14
LAB*LAB 57.62 -27.42 -21.35
LAB*LAB 57.62 -27.42 -21.35

relative Inform. Technology (IT)
olvi3* 0.0 1.0 1.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.0 1.0 1.0 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 45.03 -36.57 -27.11
LAB*LAB 45.03 -36.56 -28.41
LAB*LAB 45.03 -36.56 -28.41

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 0.75 0.75 0.75 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 0.75 0.75 0.75 (1.0)
olvi5* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LAB 76.06 0.0 0.0
LAB*LAB 76.06 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 0.5 0.75 0.75 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 0.5 0.75 0.75 (1.0)
olvi5* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 63.46 -9.13 -7.11
LAB*LAB 63.46 -9.13 -7.11
LAB*LAB 63.46 -9.13 -7.11

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.75 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.25 0.75 0.75 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.25 0.75 0.75 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.87 -18.27 -14.23
LAB*LAB 50.87 -18.27 -14.23
LAB*LAB 50.87 -18.27 -14.23

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.75 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.75 0.75 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.0 0.75 0.75 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 38.28 -27.3 -20.44
LAB*LAB 38.28 -27.42 -21.35
LAB*LAB 38.28 -27.42 -21.35

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.25 0.25 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.0 0.25 0.25 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.57 -46.84 -46.87
LAB*LAB 30.57 -46.84 -46.87
LAB*LAB 30.57 -46.84 -46.87

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 0.5 0.5 0.5 (1.0)
olvi5* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LAB 56.71 0.0 0.0
LAB*LAB 56.71 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.25 0.5 0.5 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.25 0.5 0.5 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 44.11 -9.13 -5.81
LAB*LAB 44.11 -9.13 -5.81
LAB*LAB 44.11 -9.13 -5.81

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.5 0.5 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.0 0.5 0.5 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 31.52 -18.03 -13.78
LAB*LAB 31.52 -18.27 -14.23
LAB*LAB 31.52 -18.27 -14.23

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.25 0.25 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.0 0.25 0.25 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.01 23.17 21.91
LAB*LAB 25.01 23.17 21.91
LAB*LAB 25.01 23.17 21.91

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.0 0.0 0.0 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.25 0.25 0.25 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.25 0.25 0.25 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 37.36 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.25 0.25 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.0 0.25 0.25 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 24.77 -9.13 -7.11
LAB*LAB 24.77 -9.13 -7.11
LAB*LAB 24.77 -9.13 -7.11

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.0 0.0 0.0 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.0 0.0 0.0 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.0 0.0 0.0 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 218/360 = 0.605$

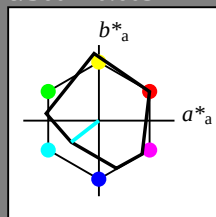
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

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
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	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)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 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)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 1.0 1.0 (1.0)
olvi3* 0.25 0.0 0.0 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
olvi4* 0.25 0.0 0.0 (0.0)
olvi5* 0.75 1.0 1.0 (1.0)
olvi5* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.81 -9.87 -3.2
LAB*LAB 82.81 -9.13 -7.11
LAB*LAB 82.81 -9.13 -7.11

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.5 1.0 1.0 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 70.21 -18.77 -11.17
LAB*LAB 70.21 -18.27 -14.23
LAB*LAB 70.21 -18.27 -14.23

relative Inform. Technology (IT)
olvi3* 0.25 1.0 1.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.25 1.0 1.0 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 57.62 -27.67 -19.14
LAB*LAB 57.62 -27.42 -21.35
LAB*LAB 57.62 -27.42 -21.35

relative Inform. Technology (IT)
olvi3* 0.0 1.0 1.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.0 1.0 1.0 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 45.03 -36.57 -27.11
LAB*LAB 45.03 -36.56 -28.41
LAB*LAB 45.03 -36.56 -28.41

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 0.75 0.75 0.75 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 0.75 0.75 0.75 (1.0)
olvi5* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LAB 76.06 0.0 0.0
LAB*LAB 76.06 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 0.5 0.75 0.75 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 0.5 0.75 0.75 (1.0)
olvi5* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 63.46 -9.13 -7.11
LAB*LAB 63.46 -9.13 -7.11
LAB*LAB 63.46 -9.13 -7.11

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.75 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.25 0.75 0.75 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.25 0.75 0.75 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.87 -18.27 -14.23
LAB*LAB 50.87 -18.27 -14.23
LAB*LAB 50.87 -18.27 -14.23

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.75 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.75 0.75 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.0 0.75 0.75 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 38.28 -27.3 -20.44
LAB*LAB 38.28 -27.42 -21.35
LAB*LAB 38.28 -27.42 -21.35

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.25 0.25 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.0 0.25 0.25 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.57 -46.84 -46.87
LAB*LAB 30.57 -46.84 -46.87
LAB*LAB 30.57 -46.84 -46.87

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 0.5 0.5 0.5 (1.0)
olvi5* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LAB 56.71 0.0 0.0
LAB*LAB 56.71 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.25 0.5 0.5 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.25 0.5 0.5 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 44.11 -9.13 -5.81
LAB*LAB 44.11 -9.13 -5.81
LAB*LAB 44.11 -9.13 -5.81

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.5 0.5 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.0 0.5 0.5 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 31.52 -18.03 -13.78
LAB*LAB 31.52 -18.27 -14.23
LAB*LAB 31.52 -18.27 -14.23

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.25 0.25 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.0 0.25 0.25 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.01 23.17 21.91
LAB*LAB 25.01 23.17 21.91
LAB*LAB 25.01 23.17 21.91

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.0 0.0 0.0 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.0 0.0 0.0 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0

TE540-7, 5 step scales for constant CIELAB hue 218/360 = 0.605 (left)

5 step scales for constant CIELAB hue 218/360 = 0.605 (right)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

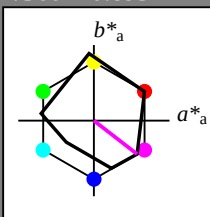
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

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 -0.97 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0

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

relative Inform. Technology (IT)
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
LAB*LABc 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
LAB*LABc 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 (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 0.0 0.0
LAB*LABa 37.36 0.0 0.0
LAB*LABb 37.36 0.0 0.0
LAB*LABc 37.36 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*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 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

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

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

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

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 65.17 28.18 -19.4
LAB*LABa 65.17 28.18 -19.4
LAB*LABb 65.17 28.18 -19.4
LAB*LABc 65.17 28.18 -19.4

relative CIELAB lab*
lab*lab 0.609 0.395 -0.305
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.609 0.324 -0.38
lab*tce 0.75 0.0 0.0
lab*nce 0.0 0.5 0.895

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.75 (1.0)
cmyn3* 0.25 0.75 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 45.83 28.56 -20.71
LAB*LABa 45.83 28.56 -20.71
LAB*LABb 45.83 28.56 -20.71
LAB*LABc 45.83 28.56 -20.71

relative CIELAB lab*
lab*lab 0.359 0.324 -0.38
lab*tch 0.359 0.324 -0.38
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.359 0.324 -0.38
lab*tce 0.359 0.324 -0.38
lab*nce 0.0 0.5 0.895

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.72 43.13 -33.79
LAB*LABa 30.72 43.13 -33.79
LAB*LABb 30.72 43.13 -33.79
LAB*LABc 30.72 43.13 -33.79

relative CIELAB lab*
lab*lab 0.164 0.593 -0.458
lab*tch 0.375 0.0 0.0
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.164 0.486 -0.57
lab*tce 0.375 0.0 0.0
lab*nce 0.0 0.5 0.895

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 26.48 28.56 -22.01
LAB*LABa 26.48 28.56 -22.01
LAB*LABb 26.48 28.56 -22.01
LAB*LABc 26.48 28.56 -22.01

relative CIELAB lab*
lab*lab 0.109 0.395 -0.305
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.109 0.324 -0.38
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.5 0.895

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (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*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*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 Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

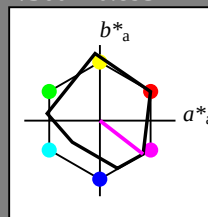
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

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 -0.97 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0

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

relative Inform. Technology (IT)
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
LAB*LABc 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
LAB*LABc 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 (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 0.0 0.0
LAB*LABa 37.36 0.0 0.0
LAB*LABb 37.36 0.0 0.0
LAB*LABc 37.36 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*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 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (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*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*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 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (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*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

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

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

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

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 65.17 28.18 -19.4
LAB*LABa 65.17 28.18 -19.4
LAB*LABb 65.17 28.18 -19.4
LAB*LABc 65.17 28.18 -19.4

relative CIELAB lab*
lab*lab 0.609 0.395 -0.305
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.609 0.324 -0.38
lab*tce 0.75 0.0 0.0
lab*nce 0.0 0.5 0.895

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.75 (1.0)
cmyn3* 0.25 0.75 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 45.83 28.56 -20.71
LAB*LABa 45.83 28.56 -20.71
LAB*LABb 45.83 28.56 -20.71
LAB*LABc 45.83 28.56 -20.71

relative CIELAB lab*
lab*lab 0.359 0.324 -0.38
lab*tch 0.359 0.324 -0.38
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.359 0.324 -0.38
lab*tce 0.359 0.324 -0.38
lab*nce 0.0 0.5 0.895

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.72 43.13 -33.79
LAB*LABa 30.72 43.13 -33.79
LAB*LABb 30.72 43.13 -33.79
LAB*LABc 30.72 43.13 -33.79

relative CIELAB lab*
lab*lab 0.164 0.593 -0.458
lab*tch 0.375 0.0 0.0
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.164 0.486 -0.57
lab*tce 0.375 0.0 0.0
lab*nce 0.0 0.5 0.895

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 26.48 28.56 -22.01
LAB*LABa 26.48 28.56 -22.01
LAB*LABb 26.48 28.56 -22.01
LAB*LABc 26.48 28.56 -22.01

relative CIELAB lab*
lab*lab 0.109 0.395 -0.305
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.109 0.324 -0.38
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.5 0.895

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (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*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*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 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (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*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

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

TE540-7, 5 step scales for constant CIELAB hue 322/360 = 0.895 (left)

5 step scales for constant CIELAB hue 322/360 = 0.895 (right)

BAM-test chart TE54; Colorimetric systems MRS18 & MRS18

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

input: `olv* setrgbcolor`

output: `no change compared to input`

Input: Colorimetric Reflective System MRS18

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

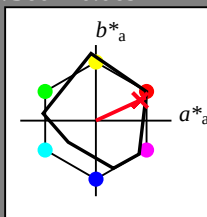
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

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
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	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)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	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)
olvi5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	-0.97	4.75
LAB*LAB	95.41	0.0	0.0
LAB*LAB	95.41	0.0	0.0

relative CIELAB lab*

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

relative Natural Colour (NC)

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

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	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)
olvi5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.6	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative CIELAB lab*

lab*lab	0.847	0.25	0.0
lab*lab	0.847	0.25	0.0
lab*lab	0.847	0.25	0.0

relative Natural Colour (NC)

lab*trj	0.847	0.25	0.0
lab*trj	0.847	0.25	0.0
lab*trj	0.847	0.25	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	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)
olvi5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14
LAB*LAB	56.71	0.0	0.0
LAB*LAB	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.598	0.25	0.0
lab*lab	0.598	0.25	0.0
lab*lab	0.598	0.25	0.0

relative Natural Colour (NC)

lab*trj	0.598	0.25	0.0
lab*trj	0.598	0.25	0.0
lab*trj	0.598	0.25	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
olvi3*	0.75	0.75	0.75	(0.0)
olvi4*	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)
olvi5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.63
LAB*LAB	37.36	0.0	0.0
LAB*LAB	37.36	0.0	0.0

relative CIELAB lab*

lab*lab	0.348	0.25	0.0
lab*lab	0.348	0.25	0.0
lab*lab	0.348	0.25	0.0

relative Natural Colour (NC)

lab*trj	0.348	0.25	0.0
lab*trj	0.348	0.25	0.0
lab*trj	0.348	0.25	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
olvi3*	1.0	1.0	1.0	(0.0)
olvi4*	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)
olvi5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	0.46
LAB*LAB	18.02	0.0	0.0
LAB*LAB	18.02	0.0	0.0

relative CIELAB lab*

lab*lab	0.098	0.227	0.104
lab*lab	0.125	0.25	0.069
lab*lab	0.125	0.25	0.069

relative Natural Colour (NC)

lab*trj	0.098	0.227	0.104
lab*trj	0.125	0.25	0.069
lab*trj	0.125	0.25	0.069

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
olvi3*	1.0	1.0	1.0	(0.0)
olvi4*	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)
olvi5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.01	0.01	0.01
LAB*LAB	0.01	0.01	0.01
LAB*LAB	0.01	0.01	0.01

relative CIELAB lab*

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

relative Natural Colour (NC)

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

Output: Colorimetric Reflective System MRS18

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

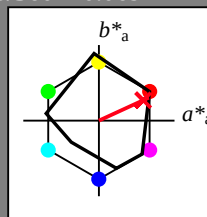
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

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
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	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)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	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)
olvi5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	-0.97	4.75
LAB*LAB	95.41	0.0	0.0
LAB*LAB	95.41	0.0	0.0

relative CIELAB lab*

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

relative Natural Colour (NC)

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

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	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)
olvi5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.6	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative CIELAB lab*

lab*lab	0.847	0.25	0.0
lab*lab	0.847	0.25	0.0
lab*lab	0.847	0.25	0.0

relative Natural Colour (NC)

lab*trj	0.847	0.25	0.0
lab*trj	0.847	0.25	0.0
lab*trj	0.847	0.25	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	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)
olvi5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14
LAB*LAB	56.71	0.0	0.0
LAB*LAB	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.598	0.25	0.0
lab*lab	0.598	0.25	0.0
lab*lab	0.598	0.25	0.0

relative Natural Colour (NC)

lab*trj	0.598	0.25	0.0
lab*trj	0.598	0.25	0.0
lab*trj	0.598	0.25	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
olvi3*	0.75	0.75	0.75	(0.0)
olvi4*	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)
olvi5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.63
LAB*LAB	37.36	0.0	0.0
LAB*LAB	37.36	0.0	0.0

relative CIELAB lab*

lab*lab	0.348	0.25	0.0
lab*lab	0.348	0.25	0.0
lab*lab	0.348	0.25	0.0

relative Natural Colour (NC)

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olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.01	0.01	0.01
LAB*LAB	0.01	0.01	0.01
LAB*LAB	0.01	0.01	0.01

ue 25/360 = 0.069 (ri
ycolor

Version 2.1, io=1,1

Aromaticity c^*

npu

