

www.ps.bam.de/TE53/10L/L53E00FP.PS/.PDF; linearized output
 F: Output Linearization (OL) data TE53/10L/L53E00FP.DAT in File (F)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

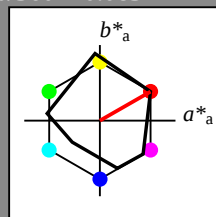
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

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

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

relative Inform. Technology (IT)
 olv3* 0.75 0.75 0.75 (1.0)
 cmyn3* 0.25 0.25 0.25 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 76.06 -0.6 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 -0.23 2.14
 LAB*LABa 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 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.5 0.0 0.0
 lab*tce 0.5 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.25 0.25 0.25 (1.0)
 cmyn3* 0.75 0.75 0.75 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 37.36 -0.38 0.63
 LAB*LABa 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 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.25 0.0 0.0
 lab*tce 0.25 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 18.02 0.0 0.46
 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

$n^* = 1.0$

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
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)
 olv3* 1.0 0.5 0.5 (1.0)
 cmyn3* 0.0 0.5 0.5 (0.0)
 olv4* 1.0 0.5 0.5 (1.0)
 cmyn4* 0.0 0.5 0.5 (0.0)
 standard and adapted CIELAB
 LAB*LAB 72.52 32.93 22.4
 LAB*LABa 72.52 32.93 22.4
 LAB*TCHa 75.0 38.58 29.82

relative CIELAB lab*
 lab*lab 0.704 0.434 0.249
 lab*tch 0.75 0.5 0.083
 lab*nch 0.0 0.5 0.083
 relative Natural Colour (NC)
 lab*trj 0.704 0.496 0.06
 lab*tce 0.75 0.5 0.091
 lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
 olv3* 0.75 0.25 0.25 (1.0)
 cmyn3* 0.25 0.75 0.75 (0.0)
 olv4* 1.0 0.5 0.5 (0.75)
 cmyn4* 0.0 0.5 0.5 (0.25)
 standard and adapted CIELAB
 LAB*LAB 53.17 33.31 21.09
 LAB*LABa 53.17 33.31 21.09
 LAB*TCHa 50.0 38.59 29.82

relative CIELAB lab*
 lab*lab 0.434 0.434 0.249
 lab*tch 0.5 0.5 0.083
 lab*nch 0.0 0.5 0.083
 relative Natural Colour (NC)
 lab*trj 0.434 0.496 0.06
 lab*tce 0.5 0.5 0.091
 lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
 olv3* 0.5 0.0 1.0 (0.0)
 cmyn3* 0.5 0.0 1.0 (0.0)
 olv4* 1.0 0.5 0.5 (0.75)
 cmyn4* 0.0 0.5 0.5 (0.25)
 standard and adapted CIELAB
 LAB*LAB 33.62 32.67 19.79
 LAB*LABa 33.62 32.67 19.79
 LAB*TCHa 37.5 38.59 29.82

relative CIELAB lab*
 lab*lab 0.332 0.217 0.124
 lab*tch 0.375 0.25 0.083
 lab*nch 0.0 0.25 0.083
 relative Natural Colour (NC)
 lab*trj 0.332 0.248 0.03
 lab*tce 0.375 0.25 0.091
 lab*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
 olv3* 0.25 0.0 1.0 (0.0)
 cmyn3* 0.75 1.0 0.0 (0.0)
 olv4* 1.0 0.5 0.5 (0.75)
 cmyn4* 0.0 0.5 0.5 (0.25)
 standard and adapted CIELAB
 LAB*LAB 25.92 17.08 9.66
 LAB*LABa 25.92 17.08 9.66
 LAB*TCHa 12.5 38.59 29.82

relative CIELAB lab*
 lab*lab 0.102 0.217 0.124
 lab*tch 0.125 0.25 0.083
 lab*nch 0.0 0.25 0.083
 relative Natural Colour (NC)
 lab*trj 0.102 0.248 0.03
 lab*tce 0.125 0.25 0.091
 lab*nce 0.0 0.25 0.071

$n^* = 0.50$

relative Inform. Technology (IT)
 olv3* 1.0 0.25 0.25 (1.0)
 cmyn3* 0.0 0.25 0.25 (0.0)
 olv4* 1.0 0.25 0.25 (1.0)
 cmyn4* 0.0 0.25 0.25 (0.0)
 standard and adapted CIELAB
 LAB*LAB 61.07 49.89 31.22
 LAB*LABa 61.07 49.89 31.22
 LAB*TCHa 62.5 57.87 29.82

relative CIELAB lab*
 lab*lab 0.559 0.651 0.373
 lab*tch 0.625 0.75 0.083
 lab*nch 0.0 0.75 0.083
 relative Natural Colour (NC)
 lab*trj 0.559 0.745 0.09
 lab*tce 0.625 0.75 0.091
 lab*nce 0.0 0.75 0.071

relative Inform. Technology (IT)
 olv3* 0.75 0.0 1.0 (0.0)
 cmyn3* 0.75 0.0 1.0 (0.0)
 olv4* 1.0 0.5 0.5 (0.75)
 cmyn4* 0.0 0.5 0.5 (0.25)
 standard and adapted CIELAB
 LAB*LAB 49.63 66.96 38.37
 LAB*LABa 49.63 66.96 38.37
 LAB*TCHa 50.0 77.16 29.82

relative CIELAB lab*
 lab*lab 0.469 0.867 0.497
 lab*tch 0.5 1.0 0.083
 lab*nch 0.0 1.0 0.083
 relative Natural Colour (NC)
 lab*trj 0.469 0.993 0.119
 lab*tce 0.5 1.0 0.091
 lab*nce 0.0 1.0 0.071

relative Inform. Technology (IT)
 olv3* 0.25 0.25 0.25 (1.0)
 cmyn3* 0.75 0.75 0.75 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 29.07 22.29 18.64
 LAB*LABa 29.07 22.29 18.64
 LAB*TCHa 25.01 46.23 23.75

relative CIELAB lab*
 lab*lab 0.357 0.229 0.101
 lab*tch 0.375 0.25 0.066
 lab*nch 0.0 0.25 0.066
 relative Natural Colour (NC)
 lab*trj 0.357 0.229 0.091
 lab*tce 0.375 0.25 0.096
 lab*nce 0.0 0.25 0.066

relative Inform. Technology (IT)
 olv3* 0.0 0.0 1.0 (0.0)
 cmyn3* 1.0 0.0 1.0 (0.0)
 olv4* 1.0 0.0 1.0 (1.0)
 cmyn4* 0.0 0.0 1.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 11.01 0.0 0.0
 LAB*LABa 11.01 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

chromaticness c^*

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

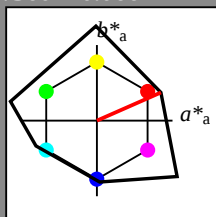
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

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

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

relative Inform. Technology (IT)
 olv3* 0.75 0.75 0.75 (1.0)
 cmyn3* 0.25 0.25 0.25 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 74.31 0.02 0.0
 LAB*LABa 74.31 0.02 0.0
 LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
 lab*lab 0.5 0.5 0.5 (1.0)
 lab*tch 0.75 0.0 0.0
 lab*nch 0.25 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 0.25 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 53.21 0.04 0.0
 LAB*LABa 53.21 0.04 0.0
 LAB*TCHa 50.0 0.01 -

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

relative Inform. Technology (IT)
 olv3* 0.25 0.25 0.25 (1.0)
 cmyn3* 0.75 0.75 0.75 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 37.36 -0.38 0.63
 LAB*LABa 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 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 1.0 (0.0)
 cmyn3* 1.0 0.0 1.0 (0.0)
 olv4* 1.0 0.0 1.0 (1.0)
 cmyn4* 0.0 0.0 1.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 11.01 0.0 0.0
 LAB*LABa 11.01 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

$n^* = 1.0$

5 step scales for constant CIELAB hue 24/360 = 0.066 (right)

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
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	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)
 olv3* 1.0 0.5 0.5 (1.0)
 cmyn3* 0.0 0.5 0.5 (0.0)
 olv4* 1.0 0.5 0.5 (1.0)
 cmyn4* 0.0 0.5 0.5 (0.0)
 standard and adapted CIELAB
 LAB*LAB 83.34 21.17 9.31
 LAB*LABa 83.34 21.17 9.31
 LAB*TCHa 87.5 31.1 23.75

relative CIELAB lab*
 lab*lab 0.857 0.229 0.101
 lab*tch 0.875 0.25 0.066
 lab*nch 0.0 0.25 0.066
 relative Natural Colour (NC)
 lab*trj 0.857 0.25 0.096
 lab*tce 0.875 0.25 0.096
 lab*nce 0.0 0.25 0.066

relative Inform. Technology (IT)
 olv3* 0.75 0.25 0.25 (1.0)
 cmyn3* 0.25 0.75 0.75 (0.0)
 olv4* 1.0 0.5 0.5 (0.75)
 cmyn4* 0.0 0.5 0.5 (0.25)
 standard and adapted CIELAB
 LAB*LAB 62.24 21.2 9.32
 LAB*LABa 62.24 21.2 9.32
 LAB*TCHa 62.5 21.16 9.31

relative CIELAB lab*
 lab*lab 0.714 0.5 -0.011
 lab*tch 0.714 0.5 -0.011
 lab*nch 0.0 0.5 0.066
 relative Natural Colour (NC)
 lab*trj 0.714 0.5 -0.011
 lab*tce 0.714 0.5 -0.011
 lab*nce 0.0 0.5 0.066

relative Inform. Technology (IT)
 olv3* 0.5 0.0 1.0 (0.0)
 cmyn3* 0.5 0.0 1.0 (0.0)
 olv4* 1.0 0.5 0.5 (0.75)
 cmyn4* 0.0 0.5 0.5 (0.25)
 standard and adapted CIELAB
 LAB*LAB 50.17 42.37 18.64
 LAB*LABa 50.17 42.37 18.64
 LAB*TCHa 50.0 46.23 23.75

relative CIELAB lab*
 lab*lab 0.454 0.458 0.201
 lab*tch 0.5 0.5 0.066
 lab*nch 0.0 0.5 0.066
 relative Natural Colour (NC)
 lab*trj 0.454 0.5 -0.011
 lab*tce 0.454 0.5 -0.011
 lab*nce 0.0 0.5 0.066

relative Inform. Technology (IT)
 olv3* 0.25 0.0 1.0 (0.0)
 cmyn3* 0.75 1.0 0.0 (0.0)
 olv4* 1.0 0.5 0.5 (0.75)
 cmyn4* 0.0 0.

www.ps.bam.de/TE53/10L/L53E02FP.PS/.PDF; linearized output
F: Output Linearization (OL) data TE53/10L/L53E02FP.DAT in File (F)

Input: Colorimetric Reflective System MRS18

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

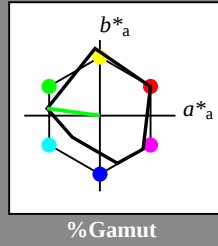
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness t^*



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 (1.0)
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 -0.83 0.63
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 0.46
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 0.46
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

%Gamut

$u^*_{rel} = 91$

%Regularity

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

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

%Regularity

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

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

%Regularity

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

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

%Regularity

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

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

%Regularity

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

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

%Regularity

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

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

%Regularity

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

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

%Regularity

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

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

%Regularity

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

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

%Regularity

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

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

%Regularity

Output: Colorimetric Reflective System NCS11

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

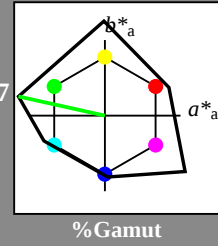
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness t^*



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
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 74.31 0.02 0.0
LAB*LABa 74.31 0.0 0.0
LAB*LABb 74.31 0.0 0.0
LAB*LABc 74.31 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 (1.0)
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 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*LABb 53.21 0.0 0.0
LAB*LABc 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* 0.25 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 32.11 0.05 0.0
LAB*LABa 32.11 0.0 0.0
LAB*LABb 32.11 0.0 0.0
LAB*LABc 32.11 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 11.01 0.0 0.01
LAB*LABa 11.01 0.0 0.0
LAB*LABb 11.01 0.0 0.0
LAB*LABc 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

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
LAB*LABc 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

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

%Gamut

$u^*_{rel} = 149$

%Regularity

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

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

%Regularity

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

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

%Regularity

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

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

%Regularity

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

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

%Regularity

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

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

%Regularity

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

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

%Regularity

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

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

%Regularity

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

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

%Regularity

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

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

%Regularity

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

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

%Regularity

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

5 step scales for constant CIELAB hue 167/360 = 0.465 (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: $olv^* setrgbcolor / w^* setgray$

Input: Colorimetric Reflective System MRS18

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

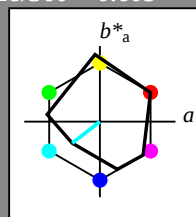
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

triangle lightness t^*



% 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*Lab 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 -
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*Lab 76.06 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.837 -0.196 -0.153
lab*tch 0.875 0.25 0.605
lab*nch 0.0 0.25 0.605
relative Natural Colour (NC)
lab*trj 0.837 -0.176 -0.176
lab*tce 0.875 0.25 0.625
lab*nce 0.0 0.25 0.625

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*Lab 56.71 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.587 -0.196 -0.153
lab*tch 0.625 0.25 0.605
lab*nch 0.0 0.25 0.605
relative Natural Colour (NC)
lab*trj 0.587 -0.176 -0.176
lab*tce 0.625 0.25 0.625
lab*nce 0.0 0.25 0.625

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 -0.36 0.83
LAB*Lab 37.36 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.337 -0.196 -0.153
lab*tch 0.375 0.25 0.605
lab*nch 0.0 0.25 0.605
relative Natural Colour (NC)
lab*trj 0.337 -0.176 -0.176
lab*tce 0.375 0.25 0.625
lab*nce 0.0 0.25 0.625

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*Lab 18.02 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.087 -0.196 -0.153
lab*tch 0.125 0.25 0.605
lab*nch 0.0 0.25 0.605
relative Natural Colour (NC)
lab*trj 0.087 -0.176 -0.176
lab*tce 0.125 0.25 0.625
lab*nce 0.0 0.25 0.625

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*Lab 11.01 0.0 0.0
LAB*TCRa 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.011 -0.196 -0.153
lab*tch 0.011 0.25 0.605
lab*nch 0.0 0.25 0.605
relative Natural Colour (NC)
lab*trj 0.011 -0.176 -0.176
lab*tce 0.011 0.25 0.625
lab*nce 0.0 0.25 0.625

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 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 -

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

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

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 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* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 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*TCRa 75.0 23.17 217.91

relative CIELAB lab*
lab*lab 0.674 -0.393 -0.306
lab*tch 0.75 0.5 0.605
lab*nch 0.0 0.5 0.605
relative Natural Colour (NC)
lab*trj 0.674 -0.353 -0.352
lab*tce 0.75 0.5 0.625
lab*nce 0.0 0.5 0.625

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.87 -18.4 -12.48
LAB*Lab 50.87 -18.28 -14.23
LAB*TCRa 50.0 23.18 217.91

relative CIELAB lab*
lab*lab 0.512 -0.591 -0.46
lab*tch 0.625 0.75 0.605
lab*nch 0.0 0.75 0.605
relative Natural Colour (NC)
lab*trj 0.512 -0.529 -0.529
lab*tce 0.625 0.75 0.625
lab*nce 0.0 0.75 0.625

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 45.03 -36.57 -27.11
LAB*Lab 45.03 -36.36 -28.47
LAB*TCRa 50.0 46.35 217.91

relative CIELAB lab*
lab*lab 0.349 -0.788 -0.613
lab*tch 0.5 0.0 0.605
lab*nch 0.0 0.0 0.605
relative Natural Colour (NC)
lab*trj 0.349 -0.706 -0.706
lab*tce 0.5 0.0 0.625
lab*nce 0.0 0.0 0.625

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 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*TCRa 37.51 34.76 217.91

relative CIELAB lab*
lab*lab 0.262 -0.591 -0.46
lab*tch 0.375 0.75 0.605
lab*nch 0.0 0.75 0.605
relative Natural Colour (NC)
lab*trj 0.262 -0.529 -0.529
lab*tce 0.375 0.75 0.625
lab*nce 0.0 0.75 0.625

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 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*TCRa 25.01 23.17 217.91

relative CIELAB lab*
lab*lab 0.175 -0.393 -0.306
lab*tch 0.25 0.5 0.605
lab*nch 0.0 0.5 0.605
relative Natural Colour (NC)
lab*trj 0.175 -0.353 -0.352
lab*tce 0.25 0.5 0.625
lab*nce 0.0 0.5 0.625

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 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*TCRa 12.5 11.58 217.91

relative CIELAB lab*
lab*lab 0.087 -0.196 -0.153
lab*tch 0.125 0.25 0.605
lab*nch 0.0 0.25 0.605
relative Natural Colour (NC)
lab*trj 0.087 -0.176 -0.176
lab*tce 0.125 0.25 0.625
lab*nce 0.0 0.25 0.625

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 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 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.011 -0.196 -0.153
lab*tch 0.011 0.25 0.605
lab*nch 0.0 0.25 0.605
relative Natural Colour (NC)
lab*trj 0.011 -0.176 -0.176
lab*tce 0.011 0.25 0.625
lab*nce 0.0 0.25 0.625

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 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* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 -

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

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 203/360 = 0.563$

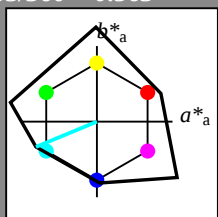
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 149$

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*Lab 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 -
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 74.31 0.02 0.0
LAB*Lab 74.31 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.893 -0.23 -0.095
lab*tch 0.875 0.25 0.563
lab*nch 0.0 0.25 0.563
relative Natural Colour (NC)
lab*trj 0.893 -0.208 -0.136
lab*tce 0.875 0.25 0.592
lab*nce 0.0 0.25 0.592

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 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.0 0.0
LAB*Lab 53.21 0.0 0.0
LAB*TCRa 50.0 0.01 -

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

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 45.03 -36.57 -27.11
LAB*Lab 45.03 -36.36 -28.47
LAB*TCRa 50.0 46.35 217.91

relative CIELAB lab*
lab*lab 0.349 -0.788 -0.613
lab*tch 0.5 0.0 0.605
lab*nch 0.0 0.0 0.605
relative Natural Colour (NC)
lab*trj 0.349 -0.706 -0.706
lab*tce 0.5 0.0 0.625
lab*nce 0.0 0.0 0.625

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 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*TCRa 37.51 34.76 217.91

relative CIELAB lab*
lab*lab 0.262 -0.591 -0.46
lab*tch 0.375 0.75 0.605
lab*nch 0.0 0.75 0.605
relative Natural Colour (NC)
lab*trj 0.262 -0.529 -0.529
lab*tce 0.375 0.75 0.625
lab*nce 0.0 0.75 0.625

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 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*TCRa 25.01 23.17 217.91

relative CIELAB lab*
lab*lab 0.175 -0.393 -0.306
lab*tch 0.25 0.5 0.605
lab*nch 0.0 0.5 0.605
relative Natural Colour (NC)
lab*trj 0.175 -0.353 -0.352
lab*tce 0.25 0.5 0.625
lab*nce 0.0 0.5 0.625

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 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*TCRa 12.5 11.58 217.91

relative CIELAB lab*
lab*lab 0.087 -0.196 -0.153
lab*tch 0.125 0.25 0.605
lab*nch 0.0 0.25 0.605
relative Natural Colour (NC)
lab*trj 0.087 -0.176 -0.176
lab*tce 0.125 0.25 0.625
lab*nce 0.0 0.25 0.625

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 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 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.011 -0.196 -0.153
lab*tch 0.011 0.25 0.605
lab*nch 0.0 0.25 0.605
relative Natural Colour (NC)
lab*trj 0.011 -0.176 -0.176
lab*tce 0.011 0.25 0.625
lab*nce 0.0 0.25 0.625

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

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

www.ps.bam.de/TE53/10L/L53E04FP.PS/.PDF; linearized output
 F: Output Linearization (OL) data TE53/10L/L53E04FP.DAT in File (F)

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 290/360 = 0.806$

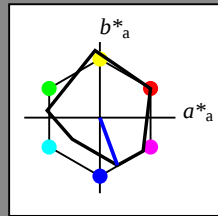
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

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)
olvi8*	0.0	0.0	0.0	(0.0)
olvi9*	0.0	0.0	0.0	(0.0)
olvi10*	0.0	0.0	0.0	(0.0)
olvi11*	0.0	0.0	0.0	(0.0)
olvi12*	0.0	0.0	0.0	(0.0)
olvi13*	0.0	0.0	0.0	(0.0)
olvi14*	0.0	0.0	0.0	(0.0)
olvi15*	0.0	0.0	0.0	(0.0)
olvi16*	0.0	0.0	0.0	(0.0)
olvi17*	0.0	0.0	0.0	(0.0)
olvi18*	0.0	0.0	0.0	(0.0)
olvi19*	0.0	0.0	0.0	(0.0)
olvi20*	0.0	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*	0.75	0.75	0.75	(1.0)
olvi6*	0.25	0.25	0.25	(0.0)
olvi7*	0.75	0.75	0.75	(1.0)
olvi8*	0.25	0.25	0.25	(0.0)
olvi9*	0.75	0.75	0.75	(1.0)
olvi10*	0.25	0.25	0.25	(0.0)
olvi11*	0.75	0.75	0.75	(1.0)
olvi12*	0.25	0.25	0.25	(0.0)
olvi13*	0.75	0.75	0.75	(1.0)
olvi14*	0.25	0.25	0.25	(0.0)
olvi15*	0.75	0.75	0.75	(1.0)
olvi16*	0.25	0.25	0.25	(0.0)
olvi17*	0.75	0.75	0.75	(1.0)
olvi18*	0.25	0.25	0.25	(0.0)
olvi19*	0.75	0.75	0.75	(1.0)
olvi20*	0.25	0.25	0.25	(0.0)

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
olvi4*	0.5	0.5	0.5	(1.0)
olvi5*	0.5	0.5	0.5	(1.0)
olvi6*	0.5	0.5	0.5	(1.0)
olvi7*	0.5	0.5	0.5	(1.0)
olvi8*	0.5	0.5	0.5	(1.0)
olvi9*	0.5	0.5	0.5	(1.0)
olvi10*	0.5	0.5	0.5	(1.0)
olvi11*	0.5	0.5	0.5	(1.0)
olvi12*	0.5	0.5	0.5	(1.0)
olvi13*	0.5	0.5	0.5	(1.0)
olvi14*	0.5	0.5	0.5	(1.0)
olvi15*	0.5	0.5	0.5	(1.0)
olvi16*	0.5	0.5	0.5	(1.0)
olvi17*	0.5	0.5	0.5	(1.0)
olvi18*	0.5	0.5	0.5	(1.0)
olvi19*	0.5	0.5	0.5	(1.0)
olvi20*	0.5	0.5	0.5	(1.0)

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
olvi4*	0.25	0.25	0.25	(1.0)
olvi5*	0.25	0.25	0.25	(1.0)
olvi6*	0.25	0.25	0.25	(1.0)
olvi7*	0.25	0.25	0.25	(1.0)
olvi8*	0.25	0.25	0.25	(1.0)
olvi9*	0.25	0.25	0.25	(1.0)
olvi10*	0.25	0.25	0.25	(1.0)
olvi11*	0.25	0.25	0.25	(1.0)
olvi12*	0.25	0.25	0.25	(1.0)
olvi13*	0.25	0.25	0.25	(1.0)
olvi14*	0.25	0.25	0.25	(1.0)
olvi15*	0.25	0.25	0.25	(1.0)
olvi16*	0.25	0.25	0.25	(1.0)
olvi17*	0.25	0.25	0.25	(1.0)
olvi18*	0.25	0.25	0.25	(1.0)
olvi19*	0.25	0.25	0.25	(1.0)
olvi20*	0.25	0.25	0.25	(1.0)

relative Inform. Technology (IT)

olvi3*	0.125	0.125	0.125	(1.0)
olvi4*	0.125	0.125	0.125	(1.0)
olvi5*	0.125	0.125	0.125	(1.0)
olvi6*	0.125	0.125	0.125	(1.0)
olvi7*	0.125	0.125	0.125	(1.0)
olvi8*	0.125	0.125	0.125	(1.0)
olvi9*	0.125	0.125	0.125	(1.0)
olvi10*	0.125	0.125	0.125	(1.0)
olvi11*	0.125	0.125	0.125	(1.0)
olvi12*	0.125	0.125	0.125	(1.0)
olvi13*	0.125	0.125	0.125	(1.0)
olvi14*	0.125	0.125	0.125	(1.0)
olvi15*	0.125	0.125	0.125	(1.0)
olvi16*	0.125	0.125	0.125	(1.0)
olvi17*	0.125	0.125	0.125	(1.0)
olvi18*	0.125	0.125	0.125	(1.0)
olvi19*	0.125	0.125	0.125	(1.0)
olvi20*	0.125	0.125	0.125	(1.0)

relative Inform. Technology (IT)

olvi3*	0.0625	0.0625	0.0625	(1.0)
olvi4*	0.0625	0.0625	0.0625	(1.0)
olvi5*	0.0625	0.0625	0.0625	(1.0)
olvi6*	0.0625	0.0625	0.0625	(1.0)
olvi7*	0.0625	0.0625	0.0625	(1.0)
olvi8*	0.0625	0.0625	0.0625	(1.0)
olvi9*	0.0625	0.0625	0.0625	(1.0)
olvi10*	0.0625	0.0625	0.0625	(1.0)
olvi11*	0.0625	0.0625	0.0625	(1.0)
olvi12*	0.0625	0.0625	0.0625	(1.0)
olvi13*	0.0625	0.0625	0.0625	(1.0)
olvi14*	0.0625	0.0625	0.0625	(1.0)
olvi15*	0.0625	0.0625	0.0625	(1.0)
olvi16*	0.0625	0.0625	0.0625	(1.0)
olvi17*	0.0625	0.0625	0.0625	(1.0)
olvi18*	0.0625	0.0625	0.0625	(1.0)
olvi19*	0.0625	0.0625	0.0625	(1.0)
olvi20*	0.0625	0.0625	0.0625	(1.0)

relative Inform. Technology (IT)

olvi3*	0.03125	0.03125	0.03125	(1.0)
olvi4*	0.03125	0.03125	0.03125	(1.0)
olvi5*	0.03125	0.03125	0.03125	(1.0)
olvi6*	0.03125	0.03125	0.03125	(1.0)
olvi7*	0.03125	0.03125	0.03125	(1.0)
olvi8*	0.03125	0.03125	0.03125	(1.0)
olvi9*	0.03125	0.03125	0.03125	(1.0)
olvi10*	0.03125	0.03125	0.03125	(1.0)
olvi11*	0.03125	0.03125	0.03125	(1.0)
olvi12*	0.03125	0.03125	0.03125	(1.0)
olvi13*	0.03125	0.03125	0.03125	(1.0)
olvi14*	0.03125	0.03125	0.03125	(1.0)
olvi15*	0.03125	0.03125	0.03125	(1.0)
olvi16*	0.03125	0.03125	0.03125	(1.0)
olvi17*	0.03125	0.03125	0.03125	(1.0)
olvi18*	0.03125	0.03125	0.03125	(1.0)
olvi19*	0.03125	0.03125	0.03125	(1.0)
olvi20*	0.03125	0.03125	0.03125	(1.0)

relative Inform. Technology (IT)

olvi3*	0.015625	0.015625	0.015625	(1.0)
olvi4*	0.015625	0.015625	0.015625	(1.0)
olvi5*	0.015625	0.015625	0.015625	(1.0)
olvi6*	0.015625	0.015625	0.015625	(1.0)
olvi7*	0.015625	0.015625	0.015625	(1.0)
olvi8*	0.015625	0.015625	0.015625	(1.0)
olvi9*	0.015625	0.015625	0.015625	(1.0)
olvi10*	0.015625	0.015625	0.015625	(1.0)
olvi11*	0.015625	0.015625	0.015625	(1.0)
olvi12*	0.015625	0.015625	0.015625	(1.0)
olvi13*	0.015625	0.015625	0.015625	(1.0)
olvi14*	0.015625	0.015625	0.015625	(1.0)
olvi15*	0.015625	0.015625	0.015625	(1.0)
olvi16*	0.015625	0.015625	0.015625	(1.0)
olvi17*	0.015625	0.015625	0.015625	(1.0)
olvi18*	0.015625	0.015625	0.015625	(1.0)
olvi19*	0.015625	0.015625	0.015625	(1.0)
olvi20*	0.015625	0.015625	0.015625	(1.0)

relative Inform. Technology (IT)

olvi3*	0.0078125	0.0078125	0.0078125	(1.0)
olvi4*	0.0078125	0.0078125	0.0078125	(1.0)
olvi5*	0.0078125	0.0078125	0.0078125	(1.0)
olvi6*	0.0078125	0.0078125	0.0078125	(1.0)
olvi7*	0.0078125	0.0078125	0.0078125	(1.0)
olvi8*	0.0078125	0.0078125	0.0078125	(1.0)
olvi9*	0.0078125	0.0078125	0.0078125	(1.0)
olvi10*	0.0078125	0.0078125	0.0078125	(1.0)
olvi11*	0.0078125	0.0078125	0.0078125	(1.0)
olvi12*	0.0078125	0.0078125	0.0078125	(1.0)
olvi13*	0.0078125	0.0078125	0.0078125	(1.0)
olvi14*	0.0078125	0.0078125	0.0078125	(1.0)
olvi15*	0.0078125	0.0078125	0.0078125	(1.0)
olvi16*	0.0078125	0.0078125	0.0078125	(1.0)
olvi17*	0.0078125	0.0078125	0.0078125	(1.0)
olvi18*	0.0078125	0.0078125	0.0078125	(1.0)
olvi19*	0.0078125	0.0078125	0.0078125	(1.0)
olvi20*	0.0078125	0.0078125	0.0078125	(1.0)

relative Inform. Technology (IT)

olvi3*	0.00390625	0.00390625	0.00390625	(1.0)
olvi4*	0.00390625	0.00390625	0.00390625	(1.0)
olvi5*	0.00390625	0.00390625	0.00390625	(1.0)
olvi6*	0.00390625	0.00390625	0.00390625	(1.0)
olvi7*	0.00390625	0.00390625	0.00390625	(1.0)
olvi8*	0.00390625	0.00390625	0.00390625	(1.0)
olvi9*	0.00390625	0.00390625	0.00390625	(1.0)
olvi10*	0.00390625	0.00390625	0.00390625	(1.0)
olvi11*	0.00390625	0.00390625	0.00390625	(1.0)
olvi12*	0.00390625	0.00390625	0.00390625	(1.0)
olvi13*	0.00390625	0.00390625	0.00390625	(1.0)
olvi14*	0.00390625	0.00390625	0.00390625	(1.0)
olvi15*	0.00390625	0.00390625	0.00390625	(1.0)
olvi16*	0.00390625	0.00390625	0.00390625	(1.0)
olvi17*	0.00390625	0.00390625	0.00390625	(1.0)
olvi18*	0.00390625	0.00390625	0.00390625	(1.0)
olvi19*	0.00390625	0.00390625	0.00390625	(1.0)
olvi20*	0.00390625	0.00390625	0.00390625	(1.0)

relative Inform. Technology (IT)

olvi3*	0.001953125	0.001953125	0.001953125	(1.0)
olvi4*	0.001953125	0.001953125	0.001953125	(1.0)
olvi5*	0.001953125	0.001953125	0.001953125	(1.0)
olvi6*	0.001953125	0.001953125	0.001953125	(1.0)
olvi7*	0.001953125	0.001953125	0.001953125	(1.0)
olvi8*	0.001953125	0.001953125	0.001953125	(1.0)
olvi9*	0.001953125	0.001953125	0.001953125	(1.0)
olvi10*	0.001953125	0.001953125	0.001953125	(1.0)
olvi11*	0.001953125	0.001953125	0.001953125	(1.0)
olvi12*	0.001953125	0.001953125	0.001953125	(1.0)
olvi13*	0.001953125	0.001953125	0.001953125	(1.0)
olvi14*	0.001953125	0.001953125	0.001953125	(1.0)
olvi15*	0.001953125	0.001953125	0.001953125	(1.0)
olvi16*	0.001953125	0.001953125	0.001953125	(1.0)
olvi17*	0.001953125	0.001953125	0.001953125	(1.0)
olvi18*	0.001953125	0.001953125	0.001953125	(1.0)
olvi19*	0.001953125	0.001953125	0.001953125	(1.0)
olvi20*	0.001953125	0.001953125	0.001953125	(1.0)

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75
--------	------	------	------

Input: Colorimetric Reflective System MRS18

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

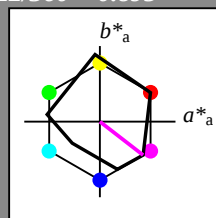
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness t^*



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 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*	0.0 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	76.06 -0.6 3.44
LAB*LABa	76.06 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 (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	56.71 -0.23 2.14
LAB*LABa	56.71 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 (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	37.26 -0.3 0.63
LAB*LABa	37.26 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 (0.0)
cmyn4*	0.0 0.0 0.0 (1.0)
standard and adapted CIELAB	
LAB*LAB	18.02 -0.1 0.46
LAB*LABa	18.02 0.0 0.0
LAB*LABb	17.00 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 (0.0)
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	17.00 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*	1.0 0.75 1.0 (1.0)
cmyn3*	0.0 0.25 0.0 (0.0)
olvi4*	1.0 0.75 1.0 (1.0)
cmyn4*	0.0 0.25 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	80.29 13.6 -7.31
LAB*LABa	80.29 14.29 -11.05
LAB*LABb	87.5 18.07 322.25

relative CIELAB lab*	
lab*lab	0.805 0.198 -0.152
lab*tch	0.875 0.25 0.895
lab*nch	0.0 0.25 0.895
relative Natural Colour (NC)	
lab*trj	0.805 0.162 -0.189
lab*tce	0.875 0.25 0.867
lab*nce	0.0 0.25 0.844

relative Inform. Technology (IT)	
olvi3*	0.75 0.5 0.75 (1.0)
cmyn3*	0.25 0.5 0.25 (0.0)
olvi4*	1.0 0.75 1.0 (1.0)
cmyn4*	0.0 0.25 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	60.94 13.97 -8.62
LAB*LABa	60.94 14.29 -11.06
LAB*LABb	62.5 18.08 322.25

relative CIELAB lab*	
lab*lab	0.555 0.162 -0.189
lab*tch	0.625 0.25 0.895
lab*nch	0.25 0.25 0.895
relative Natural Colour (NC)	
lab*trj	0.555 0.162 -0.189
lab*tce	0.625 0.25 0.867
lab*nce	0.25 0.25 0.844

relative Inform. Technology (IT)	
olvi3*	0.5 0.5 0.5 (1.0)
cmyn3*	0.0 0.0 0.0 (0.0)
olvi4*	1.0 0.75 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	41.26 14.34 -9.93
LAB*LABa	41.26 14.29 -11.06
LAB*LABb	37.5 18.08 322.25

relative CIELAB lab*	
lab*lab	0.305 0.198 -0.152
lab*tch	0.375 0.25 0.895
lab*nch	0.0 0.25 0.895
relative Natural Colour (NC)	
lab*trj	0.305 0.162 -0.189
lab*tce	0.375 0.25 0.867
lab*nce	0.0 0.25 0.844

relative Inform. Technology (IT)	
olvi3*	0.25 0.0 0.25 (1.0)
cmyn3*	0.0 0.0 0.0 (0.0)
olvi4*	1.0 0.75 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	26.48 28.52 -22.01
LAB*LABa	26.48 28.58 -22.12
LAB*LABb	25.01 36.15 322.25

relative CIELAB lab*	
lab*lab	0.109 0.395 -0.305
lab*tch	0.25 0.5 0.895
lab*nch	0.0 0.5 0.895
relative Natural Colour (NC)	
lab*trj	0.109 0.324 -0.38
lab*tce	0.25 0.5 0.867
lab*nce	0.0 0.5 0.844

relative Inform. Technology (IT)	
olvi3*	0.0 0.0 0.0 (1.0)
cmyn3*	0.25 0.0 0.25 (0.0)
olvi4*	1.0 0.75 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	22.25 14.71 11.23
LAB*LABa	22.25 14.29 -11.05
LAB*LABb	12.5 18.07 322.25

relative CIELAB lab*	
lab*lab	0.055 0.198 -0.152
lab*tch	0.125 0.25 0.895
lab*nch	0.0 0.25 0.895
relative Natural Colour (NC)	
lab*trj	0.055 0.162 -0.189
lab*tce	0.125 0.25 0.867
lab*nce	0.0 0.25 0.844

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 (0.0)
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	17.00 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*	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 28.58 -22.12
LAB*LABa	65.17 28.58 -22.12
LAB*LABb	75.0 36.15 322.25

relative CIELAB lab*	
lab*lab	0.609 0.395 -0.305
lab*tch	0.75 0.5 0.895
lab*nch	0.0 0.5 0.895
relative Natural Colour (NC)	
lab*trj	0.609 0.324 -0.38
lab*tce	0.75 0.5 0.867
lab*nce	0.0 0.5 0.844

relative Inform. Technology (IT)	
olvi3*	0.75 0.0 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 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	45.83 28.56 -20.71
LAB*LABa	45.83 28.59 -22.12
LAB*LABb	50.0 36.15 322.25

relative CIELAB lab*	
lab*lab	0.414 0.593 -0.458
lab*tch	0.625 0.75 0.895
lab*nch	0.0 0.75 0.895
relative Natural Colour (NC)	
lab*trj	0.414 0.486 -0.57
lab*tce	0.625 0.75 0.867
lab*nce	0.0 0.75 0.844

relative Inform. Technology (IT)	
olvi3*	0.5 0.5 0.5 (1.0)
cmyn3*	0.0 0.0 0.0 (0.0)
olvi4*	1.0 0.0 1.0 (0.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	50.06 42.76 -31.49
LAB*LABa	50.06 42.87 -33.19
LAB*LABb	62.5 54.22 322.25

relative CIELAB lab*	
lab*lab	0.414 0.593 -0.458
lab*tch	0.625 0.75 0.895
lab*nch	0.0 0.75 0.895
relative Natural Colour (NC)	
lab*trj	0.414 0.486 -0.57
lab*tce	0.625 0.75 0.867
lab*nce	0.0 0.75 0.844

relative Inform. Technology (IT)	
olvi3*	0.25 0.0 0.25 (1.0)
cmyn3*	0.0 0.0 0.0 (0.0)
olvi4*	1.0 0.5 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	30.72 43.13 -33.79
LAB*LABa	30.72 43.17 -33.19
LAB*LABb	37.51 54.22 322.25

relative CIELAB lab*	
lab*lab	0.164 0.593 -0.458
lab*tch	0.375 0.75 0.895
lab*nch	0.0 0.75 0.895
relative Natural Colour (NC)	
lab*trj	0.164 0.486 -0.57
lab*tce	0.375 0.75 0.867
lab*nce	0.0 0.75 0.844

relative Inform. Technology (IT)	
olvi3*	0.0 0.0 0.0 (1.0)
cmyn3*	0.0 0.0 0.0 (0.0)
olvi4*	1.0 0.0 1.0 (0.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	11.01 0.0 0.0
LAB*LABa	11.01 0.0 0.0
LAB*LABb	11.01 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)	
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 (0.0)
cmyn4*	0.0 0.0 0.0 (1.0)
standard and adapted CIELAB	
LAB*LAB	11.01 0.0 0.0
LAB*LABa	11.01 0.0 0.0
LAB*LABb	11.01 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)	
olvi3*	0.5 0.5 0.5 (1.0)
cmyn3*	0.0 0.0 0.0 (0.0)
olvi4*	1.0 0.0 1.0 (0.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	74.31 0.02 0.0
LAB*LABa	74.31 0.0 0.0
LAB*LABb	75.0 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 0.75 0.25 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.25 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	82.57 26.53 -18.47
LAB*LABa	82.57 26.51 -18.47
LAB*LABb	87.5 32.32 325.12

relative Inform. Technology (IT)				
olvi3*	1.0	0.25	1.0	(1.0)
cmyn3*	0.0	0.75	0.0	(0.0)
olvi4*	1.0	0.25	1.0	1.0
cmyn4*	0.0	0.75	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	50.06	42.76	-31.49	
LAB*LABa	50.06	42.87	-33.19	

Input: Colorimetric Reflective System MRS18

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

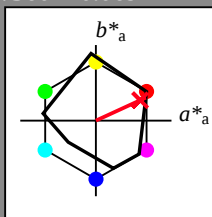
lab^*tch and lab^*nch

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)
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*	1.0 1.0 1.0 (1.0)
olvi8*	0.0 0.0 0.0 (0.0)
olvi9*	1.0 1.0 1.0 (1.0)
olvi10*	0.0 0.0 0.0 (0.0)
olvi11*	1.0 1.0 1.0 (1.0)
olvi12*	0.0 0.0 0.0 (0.0)
olvi13*	1.0 1.0 1.0 (1.0)
olvi14*	0.0 0.0 0.0 (0.0)
olvi15*	1.0 1.0 1.0 (1.0)
olvi16*	0.0 0.0 0.0 (0.0)
olvi17*	1.0 1.0 1.0 (1.0)
olvi18*	0.0 0.0 0.0 (0.0)
olvi19*	1.0 1.0 1.0 (1.0)
olvi20*	0.0 0.0 0.0 (0.0)
olvi21*	1.0 1.0 1.0 (1.0)
olvi22*	0.0 0.0 0.0 (0.0)
olvi23*	1.0 1.0 1.0 (1.0)
olvi24*	0.0 0.0 0.0 (0.0)
olvi25*	1.0 1.0 1.0 (1.0)
olvi26*	0.0 0.0 0.0 (0.0)
olvi27*	1.0 1.0 1.0 (1.0)
olvi28*	0.0 0.0 0.0 (0.0)
olvi29*	1.0 1.0 1.0 (1.0)
olvi30*	0.0 0.0 0.0 (0.0)
olvi31*	1.0 1.0 1.0 (1.0)
olvi32*	0.0 0.0 0.0 (0.0)
olvi33*	1.0 1.0 1.0 (1.0)
olvi34*	0.0 0.0 0.0 (0.0)
olvi35*	1.0 1.0 1.0 (1.0)
olvi36*	0.0 0.0 0.0 (0.0)
olvi37*	1.0 1.0 1.0 (1.0)
olvi38*	0.0 0.0 0.0 (0.0)
olvi39*	1.0 1.0 1.0 (1.0)
olvi40*	0.0 0.0 0.0 (0.0)
olvi41*	1.0 1.0 1.0 (1.0)
olvi42*	0.0 0.0 0.0 (0.0)
olvi43*	1.0 1.0 1.0 (1.0)
olvi44*	0.0 0.0 0.0 (0.0)
olvi45*	1.0 1.0 1.0 (1.0)
olvi46*	0.0 0.0 0.0 (0.0)
olvi47*	1.0 1.0 1.0 (1.0)
olvi48*	0.0 0.0 0.0 (0.0)
olvi49*	1.0 1.0 1.0 (1.0)
olvi50*	0.0 0.0 0.0 (0.0)
olvi51*	1.0 1.0 1.0 (1.0)
olvi52*	0.0 0.0 0.0 (0.0)
olvi53*	1.0 1.0 1.0 (1.0)
olvi54*	0.0 0.0 0.0 (0.0)
olvi55*	1.0 1.0 1.0 (1.0)
olvi56*	0.0 0.0 0.0 (0.0)
olvi57*	1.0 1.0 1.0 (1.0)
olvi58*	0.0 0.0 0.0 (0.0)
olvi59*	1.0 1.0 1.0 (1.0)
olvi60*	0.0 0.0 0.0 (0.0)
olvi61*	1.0 1.0 1.0 (1.0)
olvi62*	0.0 0.0 0.0 (0.0)
olvi63*	1.0 1.0 1.0 (1.0)
olvi64*	0.0 0.0 0.0 (0.0)
olvi65*	1.0 1.0 1.0 (1.0)
olvi66*	0.0 0.0 0.0 (0.0)
olvi67*	1.0 1.0 1.0 (1.0)
olvi68*	0.0 0.0 0.0 (0.0)
olvi69*	1.0 1.0 1.0 (1.0)
olvi70*	0.0 0.0 0.0 (0.0)
olvi71*	1.0 1.0 1.0 (1.0)
olvi72*	0.0 0.0 0.0 (0.0)
olvi73*	1.0 1.0 1.0 (1.0)
olvi74*	0.0 0.0 0.0 (0.0)
olvi75*	1.0 1.0 1.0 (1.0)
olvi76*	0.0 0.0 0.0 (0.0)
olvi77*	1.0 1.0 1.0 (1.0)
olvi78*	0.0 0.0 0.0 (0.0)
olvi79*	1.0 1.0 1.0 (1.0)
olvi80*	0.0 0.0 0.0 (0.0)
olvi81*	1.0 1.0 1.0 (1.0)
olvi82*	0.0 0.0 0.0 (0.0)
olvi83*	1.0 1.0 1.0 (1.0)
olvi84*	0.0 0.0 0.0 (0.0)
olvi85*	1.0 1.0 1.0 (1.0)
olvi86*	0.0 0.0 0.0 (0.0)
olvi87*	1.0 1.0 1.0 (1.0)
olvi88*	0.0 0.0 0.0 (0.0)
olvi89*	1.0 1.0 1.0 (1.0)
olvi90*	0.0 0.0 0.0 (0.0)
olvi91*	1.0 1.0 1.0 (1.0)
olvi92*	0.0 0.0 0.0 (0.0)
olvi93*	1.0 1.0 1.0 (1.0)
olvi94*	0.0 0.0 0.0 (0.0)
olvi95*	1.0 1.0 1.0 (1.0)
olvi96*	0.0 0.0 0.0 (0.0)
olvi97*	1.0 1.0 1.0 (1.0)
olvi98*	0.0 0.0 0.0 (0.0)
olvi99*	1.0 1.0 1.0 (1.0)
olvi100*	0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)	
olvi3*	1.0 0.75 0.774 (1.0)
olvi4*	0.0 0.25 0.226 (0.0)
olvi5*	1.0 0.75 0.774 (1.0)
olvi6*	0.0 0.25 0.226 (0.0)
olvi7*	1.0 0.75 0.774 (1.0)
olvi8*	0.0 0.25 0.226 (0.0)
olvi9*	1.0 0.75 0.774 (1.0)
olvi10*	0.0 0.25 0.226 (0.0)
olvi11*	1.0 0.75 0.774 (1.0)
olvi12*	0.0 0.25 0.226 (0.0)
olvi13*	1.0 0.75 0.774 (1.0)
olvi14*	0.0 0.25 0.226 (0.0)
olvi15*	1.0 0.75 0.774 (1.0)
olvi16*	0.0 0.25 0.226 (0.0)
olvi17*	1.0 0.75 0.774 (1.0)
olvi18*	0.0 0.25 0.226 (0.0)
olvi19*	1.0 0.75 0.774 (1.0)
olvi20*	0.0 0.25 0.226 (0.0)
olvi21*	1.0 0.75 0.774 (1.0)
olvi22*	0.0 0.25 0.226 (0.0)
olvi23*	1.0 0.75 0.774 (1.0)
olvi24*	0.0 0.25 0.226 (0.0)
olvi25*	1.0 0.75 0.774 (1.0)
olvi26*	0.0 0.25 0.226 (0.0)
olvi27*	1.0 0.75 0.774 (1.0)
olvi28*	0.0 0.25 0.226 (0.0)
olvi29*	1.0 0.75 0.774 (1.0)
olvi30*	0.0 0.25 0.226 (0.0)
olvi31*	1.0 0.75 0.774 (1.0)
olvi32*	0.0 0.25 0.226 (0.0)
olvi33*	1.0 0.75 0.774 (1.0)
olvi34*	0.0 0.25 0.226 (0.0)
olvi35*	1.0 0.75 0.774 (1.0)
olvi36*	0.0 0.25 0.226 (0.0)
olvi37*	1.0 0.75 0.774 (1.0)
olvi38*	0.0 0.25 0.226 (0.0)
olvi39*	1.0 0.75 0.774 (1.0)
olvi40*	0.0 0.25 0.226 (0.0)
olvi41*	1.0 0.75 0.774 (1.0)
olvi42*	0.0 0.25 0.226 (0.0)
olvi43*	1.0 0.75 0.774 (1.0)
olvi44*	0.0 0.25 0.226 (0.0)
olvi45*	1.0 0.75 0.774 (1.0)
olvi46*	0.0 0.25 0.226 (0.0)
olvi47*	1.0 0.75 0.774 (1.0)
olvi48*	0.0 0.25 0.226 (0.0)
olvi49*	1.0 0.75 0.774 (1.0)
olvi50*	0.0 0.25 0.226 (0.0)
olvi51*	1.0 0.75 0.774 (1.0)
olvi52*	0.0 0.25 0.226 (0.0)
olvi53*	1.0 0.75 0.774 (1.0)
olvi54*	0.0 0.25 0.226 (0.0)
olvi55*	1.0 0.75 0.774 (1.0)
olvi56*	0.0 0.25 0.226 (0.0)
olvi57*	1.0 0.75 0.774 (1.0)
olvi58*	0.0 0.25 0.226 (0.0)
olvi59*	1.0 0.75 0.774 (1.0)
olvi60*	0.0 0.25 0.226 (0.0)
olvi61*	1.0 0.75 0.774 (1.0)
olvi62*	0.0 0.25 0.226 (0.0)
olvi63*	1.0 0.75 0.774 (1.0)
olvi64*	0.0 0.25 0.226 (0.0)
olvi65*	1.0 0.75 0.774 (1.0)
olvi66*	0.0 0.25 0.226 (0.0)
olvi67*	1.0 0.75 0.774 (1.0)
olvi68*	0.0 0.25 0.226 (0.0)
olvi69*	1.0 0.75 0.774 (1.0)
olvi70*	0.0 0.25 0.226 (0.0)
olvi71*	1.0 0.75 0.774 (1.0)
olvi72*	0.0 0.25 0.226 (0.0)
olvi73*	1.0 0.75 0.774 (1.0)
olvi74*	0.0 0.25 0.226 (0.0)
olvi75*	1.0 0.75 0.774 (1.0)
olvi76*	0.0 0.25 0.226 (0.0)
olvi77*	1.0 0.75 0.774 (1.0)
olvi78*	0.0 0.25 0.226 (0.0)
olvi79*	1.0 0.75 0.774 (1.0)
olvi80*	0.0 0.25 0.226 (0.0)
olvi81*	1.0 0.75 0.774 (1.0)
olvi82*	0.0 0.25 0.226 (0.0)
olvi83*	1.0 0.75 0.774 (1.0)
olvi84*	0.0 0.25 0.226 (0.0)
olvi85*	1.0 0.75 0.774 (1.0)
olvi86*	0.0 0.25 0.226 (0.0)
olvi87*	1.0 0.75 0.774 (1.0)
olvi88*	0.0 0.25 0.226 (0.0)
olvi89*	1.0 0.75 0.774 (1.0)
olvi90*	0.0 0.25 0.226 (0.0)
olvi91*	1.0 0.75 0.774 (1.0)
olvi92*	0.0 0.25 0.226 (0.0)
olvi93*	1.0 0.75 0.774 (1.0)
olvi94*	0.0 0.25 0.226 (0.0)
olvi95*	1.0 0.75 0.774 (1.0)
olvi96*	0.0 0.25 0.226 (0.0)
olvi97*	1.0 0.75 0.774 (1.0)
olvi98*	0.0 0.25 0.226 (0.0)
olvi99*	1.0 0.75 0.774 (1.0)
olvi100*	0.0 0.25 0.226 (0.0)

relative Inform. Technology (IT)	
olvi3*	1.0 0.75 0.774 (1.0)
olvi4*	0.0 0.25 0.226 (0.0)
olvi5*	1.0 0.75 0.774 (1.0)
olvi6*	0.0 0.25 0.226 (0.0)
olvi7*	1.0 0.75 0.774 (1.0)
olvi8*	0.0 0.25 0.226 (0.0)
olvi9*	1.0 0.75 0.774 (1.0)
olvi10*	0.0 0.25 0.226 (0.0)
olvi11*	1.0 0.75 0.774 (1.0)
olvi12*	0.0 0.25 0.226 (0.0)
olvi13*	1.0 0.75 0.774 (1.0)
olvi14*	0.0 0.25 0.226 (0.0)
olvi15*	1.0 0.75 0.774 (1.0)
olvi16*	0.0 0.25 0.226 (0.0)
olvi17*	1.0 0.75 0.774 (1.0)
olvi18*	0.0 0.25 0.226 (0.0)
olvi19*	1.0 0.75 0.774 (1.0)
olvi20*	0.0 0.25 0.226 (0.0)
olvi21*	1.0 0.75 0.774 (1.0)
olvi22*	0.0 0.25 0.226 (0.0)
olvi23*	1.0 0.75 0.774 (1.0)
olvi24*	0.0 0.25 0.226 (0.0)
olvi25*	1.0 0.75 0.774 (1.0)
olvi26*	0.0 0.25 0.226 (0.0)
olvi27*	1.0 0.75 0.774 (1.0)
olvi28*	0.0 0.25 0.226 (0.0)
olvi29*	1.0 0.75 0.774 (1.0)
olvi30*	0.0 0.25 0.226 (0.0)
olvi31*	1.0 0.75 0.774 (1.0)
olvi32*	0.0 0.25 0.226 (0.0)
olvi33*	1.0 0.75 0.774 (1.0)
olvi34*	0.0 0.25 0.226 (0.0)
olvi35*	1.0 0.75 0.774 (1.0)
olvi36*	0.0 0.25 0.226 (0.0)
olvi37*	1.0 0.75 0.774 (1.0)
olvi38*	0.0 0.25 0.226 (0.0)
olvi39*	1.0 0.75 0.774 (1.0)
olvi40*	0.0 0.25 0.226 (0.0)
olvi41*	1.0 0.75 0.774 (1.0)
olvi42*	0.0 0.25 0.226 (0.0)
olvi43*	1.0 0.75 0.774 (1.0)
olvi44*	0.0 0.25 0.226 (0.0)
olvi45*	1.0 0.75 0.774 (1.0)
olvi46*	0.0 0.25 0.226 (0.0)
olvi47*	1.0 0.75 0.774 (1.0)
olvi48*	0.0 0.25 0.226 (0.0)
olvi49*	1.0 0.75 0.774 (1.0)
olvi50*	0.0 0.25 0.226 (0.0)
olvi51*	1.0 0.75 0.774 (1.0)
olvi52*	0.0 0.25 0.226 (0.0)
olvi53*	1.0 0.75 0.774 (1.0)
olvi54*	0.0 0.25 0.226 (0.0)
olvi55*	1.0 0.75 0.774 (1.0)
olvi56*	0.0 0.25 0.226 (0.0)
olvi57*	1.0 0.75 0.774 (1.0)
olvi58*	0.0 0.25 0.226 (0.0)
olvi59*	1.0 0.75 0.774 (1.0)
olvi60*	0.0 0.25 0.226 (0.0)
olvi61*	1.0 0.75 0.774 (1.0)
olvi62*	0.0 0.25 0.226 (0.0)
olvi63*	1.0 0.75 0.774 (1.0)
olvi64*	0.0 0.25 0.226 (0.0)
olvi65*	1.0 0.75 0.774 (1.0)
olvi66*	0.0 0.25 0.226 (0.0)
olvi67*	1.0 0.75 0.774 (1.0)
olvi68*	0.0 0.25 0.226 (0.0)
olvi69*	1.0 0.75 0.774 (1.0)
olvi70*	0.0 0.25 0.226 (0.0)
olvi71*	1.0 0.75 0.774 (1.0)
olvi72*	0.0 0.25 0.226 (0.0)
olvi73*	1.0 0.75 0.774 (1.0)
olvi74*	0.0 0.25 0.226 (0.0)
olvi75*	1.0 0.75 0.774 (1.0)
olvi76*	0.0 0.25 0.226 (0.0)
olvi77*	1.0 0.75 0.774 (1.0)
olvi78*	0.0 0.25 0.226 (0.0)
olvi79*	1.0 0.75 0.774 (1.0)
olvi80*	0.0 0.25 0.226 (0.0)
olvi81*	1.0 0.75 0.774 (1.0)
olvi82*	0.0 0.25 0.226 (0.0)
olvi83*	1.0 0.75 0.774 (1.0)
olvi84*	0.0 0.25 0.226 (0.0)
olvi85*	1.0 0.75 0.774 (1.0)
olvi86*	0.0 0.25 0.226 (0.0)
olvi87*	1.0 0.75 0.774 (1.0)
olvi88*	0.0 0.25 0.226 (0.0)
olvi89*	1.0 0.75 0.774 (1.0)
olvi90*	0.0 0.25 0.226 (0.0)
olvi91*	1.0 0.75 0.774 (1.0)
olvi92*	0.0 0.25 0.226 (0.0)
olvi93*	1.0 0.75 0.774 (1.0)
olvi94*	0.0 0.25 0.226 (0.0)
olvi95*	1.0 0.75 0.774 (1.0)
olvi96*	0.0 0.25 0.226 (0.0)
olvi97*	1.0 0.75 0.774 (1.0)
olvi98*	0.0 0.25 0.226 (0.0)
olvi99*	1.0 0.75 0.774 (1.0)
olvi100*	0.0 0.25 0.226 (0.0)

relative Inform. Technology (IT)	
olvi3*	1.0 0.75 0.774 (1.0)
olvi4*	0.

Input: Colorimetric Reflective System MRS18

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

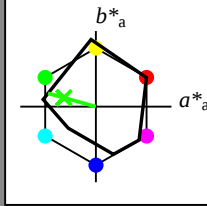
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)
 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 -0.97 47.5
 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 -0.6 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 -0.23 2.14
 LAB*LABa 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 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.5 0.0 0.0
 lab*tce 0.5 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.25 0.25 0.25 (1.0)
 cmyn3* 0.75 0.75 0.75 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 37.36 -0.38 0.63
 LAB*LABa 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 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.25 0.0 0.0
 lab*tce 0.25 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 18.02 0.0 0.46
 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 1.0 0.0 0.0
 lab*nce 1.0 0.0 0.0

$n^* = 1.0$

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)
 olv3* 0.351 1.0 0.5 (1.0)
 cmyn3* 0.449 0.0 0.5 (0.0)
 olv4* 0.551 1.0 0.5 (1.0)
 cmyn4* 0.449 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB*LAB 75.74 -32.2 12.22
 LAB*LABa 75.74 -31.6 8.79
 LAB*TCHa 75.0 32.81 164.46

relative CIELAB lab*
 lab*lab 0.746 -0.481 0.134
 lab*tch 0.75 0.5 0.5
 lab*nch 0.0 0.5 0.457
 relative Natural Colour (NC)
 lab*trj 0.746 -0.499 0.0
 lab*tce 0.75 0.5 0.5
 lab*nce 0.0 0.5 0.457

relative Inform. Technology (IT)
 olv3* 0.301 0.5 0.25 (1.0)
 cmyn3* 0.699 0.25 0.75 (0.0)
 olv4* 0.551 1.0 0.5 (0.75)
 cmyn4* 0.449 0.0 0.5 (0.25)
 standard and adapted CIELAB
 LAB*LAB 56.39 -31.61 8.79
 LAB*LABa 56.39 32.81 164.46

relative CIELAB lab*
 lab*lab 0.619 -0.721 0.201
 lab*tch 0.625 0.75 0.457
 lab*nch 0.0 0.75 0.457
 relative Natural Colour (NC)
 lab*trj 0.619 -0.749 0.0
 lab*tce 0.625 0.75 0.5
 lab*nce 0.0 0.75 0.457

relative Inform. Technology (IT)
 olv3* 0.077 0.75 0.0 (1.0)
 cmyn3* 0.923 0.25 1.0 (0.0)
 olv4* 0.327 1.0 0.25 0.75
 cmyn4* 0.673 0.0 0.75 0.25
 standard and adapted CIELAB
 LAB*LAB 46.55 -47.46 14.64
 LAB*LABa 46.55 -47.41 13.18
 LAB*TCHa 37.51 49.22 164.47

relative CIELAB lab*
 lab*lab 0.369 -0.722 0.201
 lab*tch 0.375 0.75 0.457
 lab*nch 0.0 0.75 0.457
 relative Natural Colour (NC)
 lab*trj 0.369 -0.749 0.0
 lab*tce 0.375 0.75 0.457
 lab*nce 0.0 0.75 0.457

relative Inform. Technology (IT)
 olv3* 0.051 0.5 0.0 (1.0)
 cmyn3* 0.949 0.5 1.0 (0.0)
 olv4* 0.551 1.0 0.5 (0.5)
 cmyn4* 0.449 0.0 0.5 (0.5)
 standard and adapted CIELAB
 LAB*LAB 37.04 -31.6 8.78
 LAB*LABa 37.04 32.81 164.47

relative CIELAB lab*
 lab*lab 0.246 -0.481 0.134
 lab*tch 0.25 0.5 0.457
 lab*nch 0.0 0.5 0.457
 relative Natural Colour (NC)
 lab*trj 0.246 -0.499 0.0
 lab*tce 0.25 0.5 0.457
 lab*nce 0.0 0.5 0.457

$n^* = 0.50$

relative Inform. Technology (IT)
 olv3* 0.031 0.25 0.0 (1.0)
 cmyn3* 0.974 0.75 1.0 (0.0)
 olv4* 0.551 1.0 0.75 (0.75)
 cmyn4* 0.449 0.0 0.75 (0.75)
 standard and adapted CIELAB
 LAB*LAB 27.04 -31.47 9.6
 LAB*LABa 27.04 32.81 164.47

relative CIELAB lab*
 lab*lab 0.123 -0.24 0.067
 lab*tch 0.125 0.25 0.457
 lab*nch 0.0 0.25 0.457
 relative Natural Colour (NC)
 lab*trj 0.123 -0.249 0.0
 lab*tce 0.125 0.25 0.457
 lab*nce 0.0 0.25 0.457

relative Inform. Technology (IT)
 olv3* 0.012 0.25 0.0 (1.0)
 cmyn3* 0.974 0.75 1.0 (0.0)
 olv4* 0.551 1.0 0.75 (0.75)
 cmyn4* 0.449 0.0 0.75 (0.75)
 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 CIELAB lab*
 lab*lab 0.012 0.25 0.0
 lab*tch 0.125 0.25 0.457
 lab*nch 0.0 0.25 0.457
 relative Natural Colour (NC)
 lab*trj 0.012 0.25 0.0
 lab*tce 0.125 0.25 0.457
 lab*nce 0.0 0.25 0.457

$n^* = 0.25$

relative Inform. Technology (IT)
 olv3* 0.002 0.25 0.0 (1.0)
 cmyn3* 0.979 0.75 1.0 (0.0)
 olv4* 0.551 1.0 0.75 (0.75)
 cmyn4* 0.449 0.0 0.75 (0.75)
 standard and adapted CIELAB
 LAB*LAB 11.01 0.0 0.0
 LAB*LABa 11.01 0.0 0.0
 LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.002 0.25 0.0
 lab*tch 0.125 0.25 0.457
 lab*nch 0.0 0.25 0.457
 relative Natural Colour (NC)
 lab*trj 0.002 0.25 0.0
 lab*tce 0.125 0.25 0.457
 lab*nce 0.0 0.25 0.457

relative Inform. Technology (IT)
 olv3* 0.001 0.25 0.0 (1.0)
 cmyn3* 0.979 0.75 1.0 (0.0)
 olv4* 0.551 1.0 0.75 (0.75)
 cmyn4* 0.449 0.0 0.75 (0.75)
 standard and adapted CIELAB
 LAB*LAB 11.01 0.0 0.0
 LAB*LABa 11.01 0.0 0.0
 LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.001 0.25 0.0
 lab*tch 0.125 0.25 0.457
 lab*nch 0.0 0.25 0.457
 relative Natural Colour (NC)
 lab*trj 0.001 0.25 0.0
 lab*tce 0.125 0.25 0.457
 lab*nce 0.0 0.25 0.457

$n^* = 0.00$

chromaticness c^*

$n^* = 1.0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (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: $olv^* setrgbcolor / w^* setgray$

Output: Colorimetric Reflective System NCS11

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

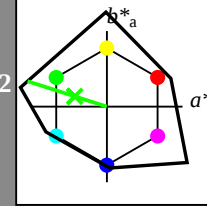
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)
 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 -0.01
 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 74.31 0.02 0.0
 LAB*LABa 74.31 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 56.07 -63.44 19.68
 LAB*LABa 56.07 -63.21 17.58
 LAB*TCHa 50.0 65.62 164.46

relative CIELAB lab*
 lab*lab 0.482 -0.962 0.268
 lab*tch 0.5 1.0 0.457
 lab*nch 0.0 1.0 0.457
 relative Natural Colour (NC)
 lab*trj 0.492 -0.999 0.0
 lab*tce 0.5 1.0 0.457
 lab*nce 0.0 1.0 0.457

relative Inform. Technology (IT)
 olv3* 0.25 0.25 0.25 (1.0)
 cmyn3* 0.75 0.75 0.75 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 32.11 0.05 1.8
 LAB*LABa 32.11 0.0 0.0
 LAB*TCHa 25.0 0.01 -

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

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 11.01 0.0 0.0
 LAB*LABa 11.01 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 1.0 0.0 0.0
 lab*nce 1.0 0.0 0.0

$n^* = 1.0$

chromaticness c^*

$n^* = 1.0$

5 step scales for constant CIELAB hue 162/360 = 0.451 (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: $olv^* setrgbcolor / w^* setgray$

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)
 olv3* 0.771 1.0 0.75 (1.0)
 cmyn3* 0.229 0.0 0.25 (0.0)
 olv4* 0.771 1.0 0.75 (1.0)
 cmyn4* 0.229 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB*LAB 87.9 -26.2 8.39
 LAB*LABa 87.9 -26.22 8.39
 LAB*TCHa 87.5 27.54 162.25

relative CIELAB lab*
 lab*lab 0.811 -0.237 0.076
 lab*tch 0.875 0.25 0.451
 lab*nch 0.0 0.25 0.451
 relative Natural Colour (NC)
 lab*trj 0.811 -0.249 0.0
 lab*tce 0.875 0.25 0.5
 lab*nce 0.0 0.25 0.451

relative Inform. Technology (IT)
 olv3* 0.521 0.75 0.5 (1.0)
 cmyn3* 0.479 0.25 0.5 (0.0)
 olv4* 0.771 1.0 0.75 (0.75)
 cmyn4* 0.229 0.0 0.25 (0.25)
 standard and adapted CIELAB
 LAB*LAB 66.81 -26.23 8.4
 LAB*LABa 66.81 -26.23 8.4
 LAB*TCHa 62.5 27.55 162.25

relative CIELAB lab*
 lab*lab 0.661 -0.237 0.076
 lab*tch 0

