

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 30/360 = 0.083$

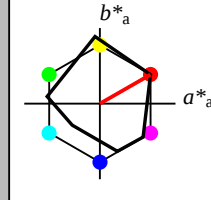
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit 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*TCHa 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*ncc 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*TCHa 75.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*trc 0.75 0.0 0.0
lab*ncc 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 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*trc 0.75 0.0 0.0
lab*ncc 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 0.3 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*ncc 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*TCHa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 1.0$

MRS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	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

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 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 33.47 19.18
LAB*TCHa 75.0 38.58 29.82

relative CIELAB lab*
lab*lab 0.704 0.434 0.249
lab*ch 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*trc 0.75 0.5 0.019
lab*ncc 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.0 (1.0)
cmyn3* 0.25 0.75 0.75 (0.0)
olvi4* 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 33.48 19.19
LAB*TCHa 50.0 38.59 29.82

relative CIELAB lab*
lab*lab 0.654 0.434 0.249
lab*ch 0.75 0.5 0.083
lab*nch 0.0 0.5 0.083
relative Natural Colour (NC)
lab*trj 0.654 0.496 0.06
lab*trc 0.75 0.5 0.019
lab*ncc 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.75 0.75 (0.0)
olvi4* 1.0 0.5 0.5 0.75
cmyn4* 0.0 0.5 0.5 0.25
standard and adapted CIELAB
LAB*LAB 33.82 33.67 19.79
LAB*LABa 33.82 33.47 19.18
LAB*TCHa 25.01 38.58 29.82

relative CIELAB lab*
lab*lab 0.352 0.217 0.124
lab*ch 0.375 0.25 0.083
lab*nch 0.75 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.352 0.248 0.03
lab*trc 0.375 0.25 0.019
lab*ncc 0.5 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.0 (0.0)
olvi4* 1.0 0.5 0.5 0.75
cmyn4* 0.0 0.25 0.25 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 0.0

relative CIELAB lab*
lab*lab 0.102 0.217 0.124
lab*ch 0.125 0.25 0.083
lab*nch 0.75 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.102 0.248 0.03
lab*trc 0.125 0.25 0.019
lab*ncc 0.75 0.25 0.071

$n^* = 0.50$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 0.75
cmyn4* 0.0 0.5 0.5 0.25
standard and adapted CIELAB
LAB*LAB 61.07 49.89 31.22
LAB*LABa 61.07 50.21 28.78
LAB*TCHa 62.5 57.87 29.82

relative CIELAB lab*
lab*lab 0.556 0.651 0.373
lab*ch 0.625 0.75 0.083
lab*nch 0.0 0.75 0.083
relative Natural Colour (NC)
lab*trj 0.556 0.745 0.09
lab*trc 0.625 0.75 0.019
lab*ncc 0.0 0.75 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.0 (1.0)
cmyn3* 0.25 1.0 0.0 (0.0)
olvi4* 1.0 0.5 0.5 0.75
cmyn4* 0.0 0.5 0.5 0.25
standard and adapted CIELAB
LAB*LAB 41.73 50.26 29.91
LAB*LABa 41.73 50.21 28.78
LAB*TCHa 37.51 57.87 29.82

relative CIELAB lab*
lab*lab 0.306 0.651 0.373
lab*ch 0.375 0.75 0.083
lab*nch 0.25 0.75 0.083
relative Natural Colour (NC)
lab*trj 0.306 0.745 0.09
lab*trc 0.375 0.75 0.019
lab*ncc 0.25 0.75 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.0 (0.0)
olvi4* 1.0 0.5 0.5 0.75
cmyn4* 0.0 0.25 0.25 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 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 0.25$

relative Inform. Technology (IT)
olvi3* 1.0 0.0 0.0 (1.0)
cmyn3* 0.0 1.0 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 61.07 49.89 31.22
LAB*LABa 61.07 50.21 28.78
LAB*TCHa 62.5 57.87 29.82

relative CIELAB lab*
lab*lab 0.409 0.993 0.119
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.409 0.993 0.119
lab*trc 0.5 0.0 0.0
lab*ncc 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 0.5
cmyn4* 0.0 0.5 0.5 0.5
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 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*trc 0.5 0.0 0.0
lab*ncc 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 0.5
cmyn4* 0.0 0.75 0.75 0.5
standard and adapted CIELAB
LAB*LAB 37.36 0.3 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

$n^* = 0.00$

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 0.5
cmyn4* 0.0 0.25 0.25 0.5
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 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*trc 0.75 0.0 0.0
lab*ncc 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 0.5
cmyn4* 0.0 0.5 0.5 0.5
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 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*trc 0.5 0.0 0.0
lab*ncc 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 0.5
cmyn4* 0.0 0.75 0.75 0.5
standard and adapted CIELAB
LAB*LAB 37.36 0.3 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

$n^* = 0.25$

$n^* = 1.0$

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*TCHa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 0.00$

$n^* = 0.50$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 0.00$

$n^* = 0.50$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 0.00$

$n^* = 0.50$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 0.00$

$n^* = 0.50$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 0.00$

$n^* = 0.50$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 0.00$

$n^* = 0.50$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 0.00$

$n^* = 0.50$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 0.00$

$n^* = 0.50$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

$n^* = 1.0$

Siehe ähnliche Dateien: <http://www.ps.bam.de/UG54/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0,1, CIEXYZ

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 172/360 = 0.479$

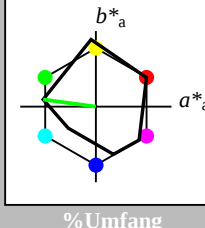
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit 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*LAB 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*ncc 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*LAB 76.06 0.0 0.0
LAB*TCBa 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.86 -0.247 0.034
lab*ch 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*trc 0.875 0.25 0.518
lab*ncc 0.0 0.25 0.518

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*TCBa 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.75 0.25 0.0
lab*trc 0.75 0.25 0.518
lab*ncc 0.0 0.25 0.518

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*TCBa 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.61 -0.247 -0.028
lab*ch 0.625 0.25 0.518
lab*nch 0.0 0.25 0.518
relative Natural Colour (NC)
lab*trj 0.61 -0.247 -0.085
lab*trc 0.625 0.25 0.518
lab*ncc 0.0 0.25 0.518

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 0.13 0.83
LAB*LAB 37.36 0.0 0.0
LAB*TCBa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.36 -0.247 -0.028
lab*ch 0.375 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.36 -0.247 -0.085
lab*trc 0.375 0.25 0.518
lab*ncc 0.0 0.25 0.518

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 0.13 0.83
LAB*LAB 37.36 0.0 0.0
LAB*TCBa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.36 -0.247 -0.028
lab*ch 0.375 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.36 -0.247 -0.085
lab*trc 0.375 0.25 0.518
lab*ncc 0.0 0.25 0.518

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*TCBa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.11 -0.247 0.034
lab*ch 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*trc 0.125 0.25 0.518
lab*ncc 0.0 0.25 0.518

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*TCBa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.11 -0.247 0.034
lab*ch 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*trc 0.125 0.25 0.518
lab*ncc 0.0 0.25 0.518

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*TCBa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.11 -0.247 0.034
lab*ch 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*trc 0.125 0.25 0.518
lab*ncc 0.0 0.25 0.518

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*TCBa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.11 -0.247 0.034
lab*ch 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*trc 0.125 0.25 0.518
lab*ncc 0.0 0.25 0.518

MRS18; adaptierte CIELAB-Daten

$L^*=L^*_a$ 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

%Regularität

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

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

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* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.75 -35.42 8.02
LAB*LAB 73.75 -34.85 4.72
LAB*TCBa 75.00 35.18 172.29

relative CIELAB lab*
lab*lab 0.72 -0.494 0.067
lab*ch 0.75 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.72 -0.496 -0.056
lab*trc 0.75 0.25 0.518
lab*ncc 0.0 0.25 0.518

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

relative CIELAB lab*
lab*lab 0.58 -0.742 0.101
lab*ch 0.625 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.58 -0.744 -0.085
lab*trc 0.625 0.25 0.518
lab*ncc 0.0 0.25 0.518

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.41 -35.05 6.71
LAB*LAB 54.41 -34.86 4.72
LAB*TCBa 50.00 35.18 172.29

relative CIELAB lab*
lab*lab 0.41 -0.494 0.067
lab*ch 0.5 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.41 -0.496 -0.056
lab*trc 0.5 0.25 0.518
lab*ncc 0.0 0.25 0.518

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.41 -35.05 6.71
LAB*LAB 54.41 -34.86 4.72
LAB*TCBa 50.00 35.18 172.29

relative CIELAB lab*
lab*lab 0.41 -0.494 0.067
lab*ch 0.5 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.41 -0.496 -0.056
lab*trc 0.5 0.25 0.518
lab*ncc 0.0 0.25 0.518

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.41 -35.05 6.71
LAB*LAB 54.41 -34.86 4.72
LAB*TCBa 50.00 35.18 172.29

relative CIELAB lab*
lab*lab 0.41 -0.494 0.067
lab*ch 0.5 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.41 -0.496 -0.056
lab*trc 0.5 0.25 0.518
lab*ncc 0.0 0.25 0.518

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.41 -35.05 6.71
LAB*LAB 54.41 -34.86 4.72
LAB*TCBa 50.00 35.18 172.29

relative CIELAB lab*
lab*lab 0.41 -0.494 0.067
lab*ch 0.5 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.41 -0.496 -0.056
lab*trc 0.5 0.25 0.518
lab*ncc 0.0 0.25 0.518

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.41 -35.05 6.71
LAB*LAB 54.41 -34.86 4.72
LAB*TCBa 50.00 35.18 172.29

relative CIELAB lab*
lab*lab 0.41 -0.494 0.067
lab*ch 0.5 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.41 -0.496 -0.056
lab*trc 0.5 0.25 0.518
lab*ncc 0.0 0.25 0.518

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.41 -35.05 6.71
LAB*LAB 54.41 -34.86 4.72
LAB*TCBa 50.00 35.18 172.29

relative CIELAB lab*
lab*lab 0.41 -0.494 0.067
lab*ch 0.5 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.41 -0.496 -0.056
lab*trc 0.5 0.25 0.518
lab*ncc 0.0 0.25 0.518

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.41 -35.05 6.71
LAB*LAB 54.41 -34.86 4.72
LAB*TCBa 50.00 35.18 172.29

relative CIELAB lab*
lab*lab 0.41 -0.494 0.067
lab*ch 0.5 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.41 -0.496 -0.056
lab*trc 0.5 0.25 0.518
lab*ncc 0.0 0.25 0.518

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 172/360 = 0.479$

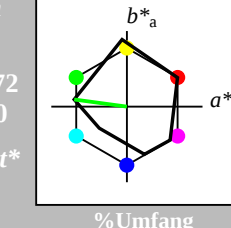
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit 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*LAB 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*ncc 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*LAB 76.06 0.0 0.0
LAB*TCBa 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.86 -0.247 0.034
lab*ch 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*trc 0.875 0.25 0.518
lab*ncc 0.0 0.25 0.518

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*TCBa 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.75 0.25 0.0
lab*trc 0.75 0.25 0.518
lab*ncc 0.0 0.25 0.518

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*TCBa 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.61 -0.247 -0.028
lab*ch 0.625 0.25 0.518
lab*nch 0.0 0.25 0.518
relative Natural Colour (NC)
lab*trj 0.61 -0.247 -0.085
lab*trc 0.625 0.25 0.518
lab*ncc 0.0 0.25 0.518

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LAB 37.36 0.0 0.0
LAB*TCBa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.36 -0.247 -0.028
lab*ch 0.375 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.36 -0.247 -0.085
lab*trc 0.375 0.25 0.518
lab*ncc 0.0 0.25 0.518

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LAB 37.36 0.0 0.0
LAB*TCBa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.36 -0.247 -0.028
lab*ch 0.375 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.36 -0.247 -0.085
lab*trc 0.375 0.25 0.518
lab*ncc 0.0 0.25 0.518

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.41 -35.05 6.71
LAB*LAB 54.41 -34.86 4.72
LAB*TCBa 50.00 35.18 172.29

relative CIELAB lab*
lab*lab 0.41 -0.494 0.067
lab*ch 0.5 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.41 -0.496 -0.056
lab*trc 0.5 0.25 0.518
lab*ncc 0.0 0.25 0.518

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.41 -35.05 6.71
LAB*LAB 54.41 -34.86 4.72
LAB*TCBa 50.00 35.18 172.29

relative CIELAB lab*
lab*lab 0.41 -0.494 0.067
lab*ch 0.5 0.25 0.4

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 218/360 = 0.605$

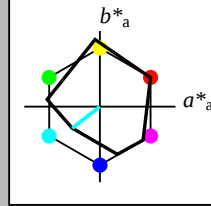
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

olvi4* 0.0 0.0 0.0 (0.0)

olvi5* 0.0 0.0 0.0 (0.0)

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)

olvi21* 0.0 0.0 0.0 (0.0)

olvi22* 0.0 0.0 0.0 (0.0)

olvi23* 0.0 0.0 0.0 (0.0)

olvi24* 0.0 0.0 0.0 (0.0)

olvi25* 0.0 0.0 0.0 (0.0)

olvi26* 0.0 0.0 0.0 (0.0)

olvi27* 0.0 0.0 0.0 (0.0)

olvi28* 0.0 0.0 0.0 (0.0)

olvi29* 0.0 0.0 0.0 (0.0)

olvi30* 0.0 0.0 0.0 (0.0)

olvi31* 0.0 0.0 0.0 (0.0)

olvi32* 0.0 0.0 0.0 (0.0)

olvi33* 0.0 0.0 0.0 (0.0)

olvi34* 0.0 0.0 0.0 (0.0)

olvi35* 0.0 0.0 0.0 (0.0)

olvi36* 0.0 0.0 0.0 (0.0)

olvi37* 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)

olvi21* 0.75 0.75 0.75 (1.0)

olvi22* 0.25 0.25 0.25 (0.0)

olvi23* 0.75 0.75 0.75 (1.0)

olvi24* 0.25 0.25 0.25 (0.0)

olvi25* 0.75 0.75 0.75 (1.0)

olvi26* 0.25 0.25 0.25 (0.0)

olvi27* 0.75 0.75 0.75 (1.0)

olvi28* 0.25 0.25 0.25 (0.0)

olvi29* 0.75 0.75 0.75 (1.0)

olvi30* 0.25 0.25 0.25 (0.0)

olvi31* 0.75 0.75 0.75 (1.0)

olvi32* 0.25 0.25 0.25 (0.0)

olvi33* 0.75 0.75 0.75 (1.0)

olvi34* 0.25 0.25 0.25 (0.0)

olvi35* 0.75 0.75 0.75 (1.0)

olvi36* 0.25 0.25 0.25 (0.0)

olvi37* 0.75 0.75 0.75 (1.0)

MRS18; adaptierte CIELAB-Daten

$L^*=L^*_a$ 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

%Regularität

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

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

%Umfang

$u^*_{rel} = 91$

%Regulartät

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

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

%Umfang

$u^*_{rel} = 91$

%Regulartät

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

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

%Umfang

$u^*_{rel} = 91$

%Regulartät

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

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

%Umfang

$u^*_{rel} = 91$

%Regulartät

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

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

%Umfang

$u^*_{rel} = 91$

%Regulartät

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

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

%Umfang

$u^*_{rel} = 91$

%Regulartät

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

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

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 218/360 = 0.605$

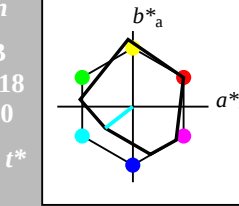
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

olvi4* 0.0 0.0 0.0 (0.0)

olvi5* 0.0 0.0 0.0 (0.0)

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)

olvi21* 0.0 0.0 0.0 (0.0)

olvi22* 0.0 0.0 0.0 (0.0)

olvi23* 0.0 0.0 0.0 (0.0)

olvi24* 0.0 0.0 0.0 (0.0)

olvi25* 0.0 0.0 0.0 (0.0)

olvi26* 0.0 0.0 0.0 (0.0)

olvi27* 0.0 0.0 0.0 (0.0)

olvi28* 0.0 0.0 0.0 (0.0)

olvi29* 0.0 0.0 0.0 (0.0)

olvi30* 0.0 0.0 0.0 (0.0)

olvi31* 0.0 0.0 0.0 (0.0)

olvi32* 0.0 0.0 0.0 (0.0)

olvi33* 0.0 0.0 0.0 (0.0)

olvi34* 0.0 0.0 0.0 (0.0)

olvi35* 0.0 0.0 0.0 (0.0)

olvi36* 0.0 0.0 0.0 (0.0)

olvi37* 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)

olvi21* 0.75 0.75 0.75 (1.0)

olvi22* 0.25 0.25 0.25 (0.0)

olvi23* 0.75 0.75 0.75 (1.0)

olvi24* 0.25 0.25 0.25 (0.0)

olvi25* 0.75 0.75 0.75 (1.0)

olvi26* 0.25 0.25 0.25 (0.0)

olvi27* 0.75 0.75 0.75 (1.0)

olvi28* 0.25 0.25 0.25 (0.0)

olvi29* 0.75 0.75 0.75 (1.0)

olvi30* 0.25 0.25 0.25 (0.0)

olvi31* 0.75 0.75 0.75 (1.0)

olvi32* 0.25 0.25 0.25 (0.0)

olvi33* 0.75 0.75 0.75 (1.0)

olvi34* 0.25 0.25 0.25 (0.0)

olvi35* 0.75 0.75 0.75 (1.0)

olvi36* 0.25 0.25 0.25 (0.0)

olvi37* 0.75 0.75 0.75 (1.0)

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)

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$

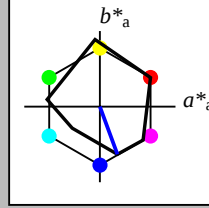
lab^*ich und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

olvi4* 0.0 0.0 0.0 (1.0)

olvi5* 0.0 0.0 0.0 (1.0)

olvi6* 0.0 0.0 0.0 (1.0)

olvi7* 0.0 0.0 0.0 (1.0)

olvi8* 0.0 0.0 0.0 (1.0)

olvi9* 0.0 0.0 0.0 (1.0)

olvi10* 0.0 0.0 0.0 (1.0)

olvi11* 0.0 0.0 0.0 (1.0)

olvi12* 0.0 0.0 0.0 (1.0)

olvi13* 0.0 0.0 0.0 (1.0)

olvi14* 0.0 0.0 0.0 (1.0)

olvi15* 0.0 0.0 0.0 (1.0)

olvi16* 0.0 0.0 0.0 (1.0)

olvi17* 0.0 0.0 0.0 (1.0)

olvi18* 0.0 0.0 0.0 (1.0)

olvi19* 0.0 0.0 0.0 (1.0)

olvi20* 0.0 0.0 0.0 (1.0)

olvi21* 0.0 0.0 0.0 (1.0)

olvi22* 0.0 0.0 0.0 (1.0)

olvi23* 0.0 0.0 0.0 (1.0)

olvi24* 0.0 0.0 0.0 (1.0)

olvi25* 0.0 0.0 0.0 (1.0)

olvi26* 0.0 0.0 0.0 (1.0)

olvi27* 0.0 0.0 0.0 (1.0)

olvi28* 0.0 0.0 0.0 (1.0)

olvi29* 0.0 0.0 0.0 (1.0)

olvi30* 0.0 0.0 0.0 (1.0)

olvi31* 0.0 0.0 0.0 (1.0)

olvi32* 0.0 0.0 0.0 (1.0)

olvi33* 0.0 0.0 0.0 (1.0)

olvi34* 0.0 0.0 0.0 (1.0)

olvi35* 0.0 0.0 0.0 (1.0)

olvi36* 0.0 0.0 0.0 (1.0)

olvi37* 0.0 0.0 0.0 (1.0)

MRS18; adaptierte CIELAB-Daten

$L^*=L^*_a$ 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

%Regularität

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

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

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

olvi4* 0.0 0.0 0.0 (1.0)

olvi5* 0.0 0.0 0.0 (1.0)

olvi6* 0.0 0.0 0.0 (1.0)

olvi7* 0.0 0.0 0.0 (1.0)

olvi8* 0.0 0.0 0.0 (1.0)

olvi9* 0.0 0.0 0.0 (1.0)

olvi10* 0.0 0.0 0.0 (1.0)

olvi11* 0.0 0.0 0.0 (1.0)

olvi12* 0.0 0.0 0.0 (1.0)

olvi13* 0.0 0.0 0.0 (1.0)

olvi14* 0.0 0.0 0.0 (1.0)

olvi15* 0.0 0.0 0.0 (1.0)

olvi16* 0.0 0.0 0.0 (1.0)

olvi17* 0.0 0.0 0.0 (1.0)

olvi18* 0.0 0.0 0.0 (1.0)

olvi19* 0.0 0.0 0.0 (1.0)

olvi20* 0.0 0.0 0.0 (1.0)

olvi21* 0.0 0.0 0.0 (1.0)

olvi22* 0.0 0.0 0.0 (1.0)

olvi23* 0.0 0.0 0.0 (1.0)

olvi24* 0.0 0.0 0.0 (1.0)

olvi25* 0.0 0.0 0.0 (1.0)

olvi26* 0.0 0.0 0.0 (1.0)

olvi27* 0.0 0.0 0.0 (1.0)

olvi28* 0.0 0.0 0.0 (1.0)

olvi29* 0.0 0.0 0.0 (1.0)

olvi30* 0.0 0.0 0.0 (1.0)

olvi31* 0.0 0.0 0.0 (1.0)

olvi32* 0.0 0.0 0.0 (1.0)

olvi33* 0.0 0.0 0.0 (1.0)

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$

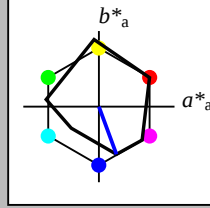
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

olvi4* 0.0 0.0 0.0 (1.0)

olvi5* 0.0 0.0 0.0 (1.0)

olvi6* 0.0 0.0 0.0 (1.0)

olvi7* 0.0 0.0 0.0 (1.0)

olvi8* 0.0 0.0 0.0 (1.0)

olvi9* 0.0 0.0 0.0 (1.0)

olvi10* 0.0 0.0 0.0 (1.0)

olvi11* 0.0 0.0 0.0 (1.0)

olvi12* 0.0 0.0 0.0 (1.0)

olvi13* 0.0 0.0 0.0 (1.0)

olvi14* 0.0 0.0 0.0 (1.0)

olvi15* 0.0 0.0 0.0 (1.0)

olvi16* 0.0 0.0 0.0 (1.0)

olvi17* 0.0 0.0 0.0 (1.0)

olvi18* 0.0 0.0 0.0 (1.0)

olvi19* 0.0 0.0 0.0 (1.0)

olvi20* 0.0 0.0 0.0 (1.0)

olvi21* 0.0 0.0 0.0 (1.0)

olvi22* 0.0 0.0 0.0 (1.0)

olvi23* 0.0 0.0 0.0 (1.0)

olvi24* 0.0 0.0 0.0 (1.0)

olvi25* 0.0 0.0 0.0 (1.0)

olvi26* 0.0 0.0 0.0 (1.0)

olvi27* 0.0 0.0 0.0 (1.0)

olvi28* 0.0 0.0 0.0 (1.0)

olvi29* 0.0 0.0 0.0 (1.0)

olvi30* 0.0 0.0 0.0 (1.0)

olvi31* 0.0 0.0 0.0 (1.0)

olvi32* 0.0 0.0 0.0 (1.0)

olvi33* 0.0 0.0 0.0 (1.0)

olvi34* 0.0 0.0 0.0 (1.0)

olvi35* 0.0 0.0 0.0 (1.0)

olvi36* 0.0 0.0 0.0 (1.0)

olvi37* 0.0 0.0 0.0 (1.0)

MRS18; adaptierte CIELAB-Daten

$L^*=L^*_a$ 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

%Regularität

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

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

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

olvi4* 0.0 0.0 0.0 (1.0)

olvi5* 0.0 0.0 0.0 (1.0)

olvi6* 0.0 0.0 0.0 (1.0)

olvi7* 0.0 0.0 0.0 (1.0)

olvi8* 0.0 0.0 0.0 (1.0)

olvi9* 0.0 0.0 0.0 (1.0)

olvi10* 0.0 0.0 0.0 (1.0)

olvi11* 0.0 0.0 0.0 (1.0)

olvi12* 0.0 0.0 0.0 (1.0)

olvi13* 0.0 0.0 0.0 (1.0)

olvi14* 0.0 0.0 0.0 (1.0)

olvi15* 0.0 0.0 0.0 (1.0)

olvi16* 0.0 0.0 0.0 (1.0)

olvi17* 0.0 0.0 0.0 (1.0)

olvi18* 0.0 0.0 0.0 (1.0)

olvi19* 0.0 0.0 0.0 (1.0)

olvi20* 0.0 0.0 0.0 (1.0)

olvi21* 0.0 0.0 0.0 (1.0)

olvi22* 0.0 0.0 0.0 (1.0)

olvi23* 0.0 0.0 0.0 (1.0)

olvi24* 0.0 0.0 0.0 (1.0)

olvi25* 0.0 0.0 0.0 (1.0)

olvi26* 0.0 0.0 0.0 (1.0)

olvi27* 0.0 0.0 0.0 (1.0)

olvi28* 0.0 0.0 0.0 (1.0)

olvi29* 0.0 0.0 0.0 (1.0)

olvi30* 0.0 0.0 0.0 (1.0)

olvi31* 0.0 0.0 0.0 (1.0)

olvi32* 0.0 0.0 0.0 (1.0)

olvi33* 0.0 0.0 0.0 (1.0)

UG540-7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (links)

5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (rechts)

BAM-Prüfvorlage UG54; Farbmetrik-Systeme MRS18 & MRS18input: $cmY0^* setcmykcolor$

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: $olvi^* setrgbcolor / w^* setgray$

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 25/360 = 0.069$

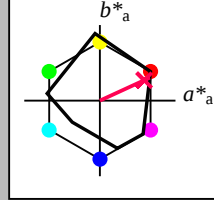
lab^*ich und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

olvi4* 1.0 1.0 1.0 (1.0)

olvi5* 1.0 1.0 1.0 (1.0)

olvi6* 1.0 1.0 1.0 (1.0)

olvi7* 1.0 1.0 1.0 (1.0)

olvi8* 1.0 1.0 1.0 (1.0)

olvi9* 1.0 1.0 1.0 (1.0)

olvi10* 1.0 1.0 1.0 (1.0)

olvi11* 1.0 1.0 1.0 (1.0)

olvi12* 1.0 1.0 1.0 (1.0)

olvi13* 1.0 1.0 1.0 (1.0)

olvi14* 1.0 1.0 1.0 (1.0)

olvi15* 1.0 1.0 1.0 (1.0)

olvi16* 1.0 1.0 1.0 (1.0)

olvi17* 1.0 1.0 1.0 (1.0)

olvi18* 1.0 1.0 1.0 (1.0)

olvi19* 1.0 1.0 1.0 (1.0)

olvi20* 1.0 1.0 1.0 (1.0)

olvi21* 1.0 1.0 1.0 (1.0)

olvi22* 1.0 1.0 1.0 (1.0)

olvi23* 1.0 1.0 1.0 (1.0)

olvi24* 1.0 1.0 1.0 (1.0)

olvi25* 1.0 1.0 1.0 (1.0)

olvi26* 1.0 1.0 1.0 (1.0)

olvi27* 1.0 1.0 1.0 (1.0)

olvi28* 1.0 1.0 1.0 (1.0)

olvi29* 1.0 1.0 1.0 (1.0)

olvi30* 1.0 1.0 1.0 (1.0)

olvi31* 1.0 1.0 1.0 (1.0)

olvi32* 1.0 1.0 1.0 (1.0)

olvi33* 1.0 1.0 1.0 (1.0)

olvi34* 1.0 1.0 1.0 (1.0)

olvi35* 1.0 1.0 1.0 (1.0)

olvi36* 1.0 1.0 1.0 (1.0)

olvi37* 1.0 1.0 1.0 (1.0)

olvi38* 1.0 1.0 1.0 (1.0)

olvi39* 1.0 1.0 1.0 (1.0)

olvi40* 1.0 1.0 1.0 (1.0)

olvi41* 1.0 1.0 1.0 (1.0)

olvi42* 1.0 1.0 1.0 (1.0)

olvi43* 1.0 1.0 1.0 (1.0)

olvi44* 1.0 1.0 1.0 (1.0)

olvi45* 1.0 1.0 1.0 (1.0)

olvi46* 1.0 1.0 1.0 (1.0)

olvi47* 1.0 1.0 1.0 (1.0)

olvi48* 1.0 1.0 1.0 (1.0)

olvi49* 1.0 1.0 1.0 (1.0)

olvi50* 1.0 1.0 1.0 (1.0)

olvi51* 1.0 1.0 1.0 (1.0)

olvi52* 1.0 1.0 1.0 (1.0)

olvi53* 1.0 1.0 1.0 (1.0)

olvi54* 1.0 1.0 1.0 (1.0)

olvi55* 1.0 1.0 1.0 (1.0)

olvi56* 1.0 1.0 1.0 (1.0)

olvi57* 1.0 1.0 1.0 (1.0)

olvi58* 1.0 1.0 1.0 (1.0)

olvi59* 1.0 1.0 1.0 (1.0)

olvi60* 1.0 1.0 1.0 (1.0)

olvi61* 1.0 1.0 1.0 (1.0)

olvi62* 1.0 1.0 1.0 (1.0)

olvi63* 1.0 1.0 1.0 (1.0)

olvi64* 1.0 1.0 1.0 (1.0)

olvi65* 1.0 1.0 1.0 (1.0)

olvi66* 1.0 1.0 1.0 (1.0)

olvi67* 1.0 1.0 1.0 (1.0)

olvi68* 1.0 1.0 1.0 (1.0)

olvi69* 1.0 1.0 1.0 (1.0)

olvi70* 1.0 1.0 1.0 (1.0)

olvi71* 1.0 1.0 1.0 (1.0)

olvi72* 1.0 1.0 1.0 (1.0)

olvi73* 1.0 1.0 1.0 (1.0)

olvi74* 1.0 1.0 1.0 (1.0)

olvi75* 1.0 1.0 1.0 (1.0)

olvi76* 1.0 1.0 1.0 (1.0)

olvi77* 1.0 1.0 1.0 (1.0)

olvi78* 1.0 1.0 1.0 (1.0)

olvi79* 1.0 1.0 1.0 (1.0)

olvi80* 1.0 1.0 1.0 (1.0)

olvi81* 1.0 1.0 1.0 (1.0)

olvi82* 1.0 1.0 1.0 (1.0)

olvi83* 1.0 1.0 1.0 (1.0)

olvi84* 1.0 1.0 1.0 (1.0)

olvi85* 1.0 1.0 1.0 (1.0)

olvi86* 1.0 1.0 1.0 (1.0)

olvi87* 1.0 1.0 1.0 (1.0)

olvi88* 1.0 1.0 1.0 (1.0)

olvi89* 1.0 1.0 1.0 (1.0)

olvi90* 1.0 1.0 1.0 (1.0)

olvi91* 1.0 1.0 1.0 (1.0)

olvi92* 1.0 1.0 1.0 (1.0)

olvi93* 1.0 1.0 1.0 (1.0)

olvi94* 1.0 1.0 1.0 (1.0)

olvi95* 1.0 1.0 1.0 (1.0)

olvi96* 1.0 1.0 1.0 (1.0)

olvi97* 1.0 1.0 1.0 (1.0)

olvi98* 1.0 1.0 1.0 (1.0)

olvi99* 1.0 1.0 1.0 (1.0)

olvi100* 1.0 1.0 1.0 (1.0)

olvi101* 1.0 1.0 1.0 (1.0)

olvi102* 1.0 1.0 1.0 (1.0)

olvi103* 1.0 1.0 1.0 (1.0)

olvi104* 1.0 1.0 1.0 (1.0)

olvi105* 1.0 1.0 1.0 (1.0)

olvi106* 1.0 1.0 1.0 (1.0)

olvi107* 1.0 1.0 1.0 (1.0)

olvi108* 1.0 1.0 1.0 (1.0)

olvi109* 1.0 1.0 1.0 (1.0)

olvi110* 1.0 1.0 1.0 (1.0)

olvi111* 1.0 1.0 1.0 (1.0)

olvi112* 1.0 1.0 1.0 (1.0)

olvi113* 1.0 1.0 1.0 (1.0)

olvi114* 1.0 1.0 1.0 (1.0)

olvi115* 1.0 1.0 1.0 (1.0)

olvi116* 1.0 1.0 1.0 (1.0)

olvi117* 1.0 1.0 1.0 (1.0)

olvi118* 1.0 1.0 1.0 (1.0)

olvi119* 1.0 1.0 1.0 (1.0)

olvi120* 1.0 1.0 1.0 (1.0)

olvi121* 1.0 1.0 1.0 (1.0)

olvi122* 1.0 1.0 1.0 (1.0)

olvi123* 1.0 1.0 1.0 (1.0)

olvi124* 1.0 1.0 1.0 (1.0)

olvi125* 1.0 1.0 1.0 (1.0)

olvi126* 1.0 1.0 1.0 (1.0)

olvi127* 1.0 1.0 1.0 (1.0)

olvi128* 1.0 1.0 1.0 (1.0)

olvi129* 1.0 1.0 1.0 (1.0)

olvi130* 1.0 1.0 1.0 (1.0)

olvi131* 1.0 1.0 1.0 (1.0)

olvi132* 1.0 1.0 1.0 (1.0)

olvi133* 1.0 1.0 1.0 (1.0)

olvi134* 1.0 1.0 1.0 (1.0)

olvi135* 1.0 1.0 1.0 (1.0)

olvi136* 1.0 1.0 1.0 (1.0)

olvi137* 1.0 1.0 1.0 (1.0)

olvi138* 1.0 1.0 1.0 (1.0)

olvi139* 1.0 1.0 1.0 (1.0)

olvi140* 1.0 1.0 1.0 (1.0)

olvi141* 1.0 1.0 1.0 (1.0)

olvi142* 1.0 1.0 1.0 (1.0)

olvi143* 1.0 1.0 1.0 (1.0)

olvi144* 1.0 1.0 1.0 (1.0)

olvi145* 1.0 1.0 1.0 (1.0)

olvi146* 1.0 1.0 1.0 (1.0)

olvi147* 1.0 1.0 1.0 (1.0)

olvi148* 1.0 1.0 1.0 (1.0)

olvi149* 1.0 1.0 1.0 (1.0)

olvi150* 1.0 1.0 1.0 (1.0)

olvi151* 1.0 1.0 1.0 (1.0)

olvi152* 1.0 1.0 1.0 (1.0)

olvi153* 1.0 1.0 1.0 (1.0)

olvi154* 1.0 1.0 1.0 (1.0)

olvi155* 1.0 1.0 1.0 (1.0)

olvi156* 1.0 1.0 1.0 (1.0)

olvi157* 1.0 1.0 1.0 (1.0)

olvi158* 1.0 1.0 1.0 (1.0)

olvi159* 1.0 1.0 1.0 (1.0)

olvi160* 1.0 1.0 1.0 (1.0)

olvi161* 1.0 1.0 1.0 (1.0)

olvi162* 1.0 1.0 1.0 (1.0)

olvi163* 1.0 1.0 1.0 (1.0)

olvi164* 1.0 1.0 1.0 (1.0)

olvi165* 1.0 1.0 1.0 (1.0)

olvi166* 1.0 1.0 1.0 (1.0)

olvi167* 1.0 1.0 1.0 (1.0)

olvi168* 1.0 1.0 1.0 (1.0)

olvi169* 1.0 1.0 1.0 (1.0)

olvi170* 1.0 1.0 1.0 (1.0)

olvi171* 1.0 1.0 1.0 (1.0)

olvi172* 1.0 1.0 1.0 (1.0)

olvi173* 1.0 1.0 1.0 (1.0)

olvi174* 1.0 1.0 1.0 (1.0)

olvi175* 1.0 1.0 1.0 (1.0)

olvi176* 1.0 1.0 1.0 (1.0)

olvi177* 1.0 1.0 1.0 (1.0)

olvi178* 1.0 1.0 1.0 (1.0)

olvi179* 1.0 1.0 1.0 (1.0)

olvi180* 1.0 1.0 1.0 (1.0)

olvi181* 1.0 1.0 1.0 (1.0)

olvi182* 1.0 1.0 1.0 (1.0)

olvi183* 1.0 1.0 1.0 (1.0)

olvi184* 1.0 1.0 1.0 (1.0)

olvi185* 1.0 1.0 1.0 (1.0)

olvi186* 1.0 1.0 1.0 (1.0)

olvi187* 1.0 1.0 1.0 (1.0)

olvi188* 1.0 1.0 1.0 (1.0)

olvi189* 1.0 1.0 1.0 (1.0)

olvi190* 1.0 1.0 1.0 (1.0)

olvi191* 1.0 1.0 1.0 (1.0)

olvi192* 1.0 1.0 1.0 (1.0)

olvi193* 1.0 1.0 1.0 (1.0)

olvi194* 1.0 1.0 1.0 (1.0)

olvi195* 1.0 1.0 1.0 (1.0)

olvi196* 1.0 1.0 1.0 (1.0)

olvi197* 1.0 1.0 1.0 (1.0)

olvi198* 1.0 1.0 1.0 (1.0)

olvi199* 1.0 1.0 1.0 (1.0)

olvi200* 1.0 1.0 1.0 (1.0)

olvi201* 1.0 1.0 1.0 (1.0)

olvi202* 1.0 1.0 1.0 (1.0)

olvi203* 1.0 1.0 1.0 (1.0)

olvi204* 1.0 1.0 1.0 (1.0)

olvi205* 1.0 1.0 1.0 (1.0)

olvi206* 1.0 1.0 1.0 (1.0)

olvi207* 1.0 1.0 1.0 (1.0)

olvi208* 1.0 1.0 1.0 (1.0)

olvi209* 1.0 1.0 1.0 (1.0)

olvi210* 1.0 1.0 1.0 (1.0)

olvi211* 1.0 1.0 1.0 (1.0)

olvi212* 1.0 1.0 1.0 (1.0)

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 92/360 = 0.255$

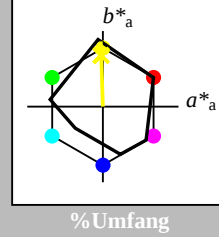
lab^*ich und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit 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*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 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

MRS18; adaptierte CIELAB-Daten

$L^*=L^*_a$ 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

%Regularität

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

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

relative Inform. Technology (IT)

olvi3* 1.0 0.988 0.75 (1.0)

cmyn3* 0.0 0.012 0.25 (0.0)

olvi4* 1.0 0.988 0.75 (1.0)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 93.72 -1.64 26.21

LAB*LAB 93.72 -0.69 21.57

LAB*LAB 93.72 -0.69 21.57

relative CIELAB lab*

lab*lab 0.978 -0.007 0.25

lab*lab 0.875 0.25 0.255

lab*lab 0.875 0.25 0.255

relative Natural Colour (NC)

lab*lab 0.978 0.0 0.25

lab*lab 0.875 0.25 0.255

lab*lab 0.875 0.25 0.255

relative CIELAB lab*

lab*lab 0.978 0.0 0.25

lab*lab 0.875 0.25 0.255

lab*lab 0.875 0.25 0.255

relative Natural Colour (NC)

lab*lab 0.978 0.0 0.25

lab*lab 0.875 0.25 0.255

lab*lab 0.875 0.25 0.255

relative CIELAB lab*

lab*lab 0.978 0.0 0.25

lab*lab 0.875 0.25 0.255

lab*lab 0.875 0.25 0.255

relative Natural Colour (NC)

relative Inform. Technology (IT)

olvi3* 1.0 0.976 0.5 (1.0)

cmyn3* 0.0 0.007 0.05 (0.0)

olvi4* 1.0 0.976 0.5 (1.0)

cmyn4* 0.0 0.007 0.05 (0.0)

standard and adapted CIELAB

LAB*LAB 92.04 -2.3 47.67

LAB*LAB 92.04 -1.39 43.14

LAB*LAB 92.04 -1.39 43.14

relative CIELAB lab*

lab*lab 0.957 -0.015 0.5

lab*lab 0.75 0.5 0.255

lab*lab 0.75 0.5 0.255

relative Natural Colour (NC)

lab*lab 0.957 0.0 0.5

lab*lab 0.75 0.5 0.255

lab*lab 0.75 0.5 0.255

relative CIELAB lab*

lab*lab 0.957 0.0 0.5

lab*lab 0.75 0.5 0.255

lab*lab 0.75 0.5 0.255

relative Natural Colour (NC)

lab*lab 0.957 0.0 0.5

lab*lab 0.75 0.5 0.255

lab*lab 0.75 0.5 0.255

relative CIELAB lab*

lab*lab 0.957 0.0 0.5

lab*lab 0.75 0.5 0.255

lab*lab 0.75 0.5 0.255

relative Natural Colour (NC)

relative Inform. Technology (IT)

olvi3* 1.0 0.963 0.25 (1.0)

cmyn3* 0.0 0.007 0.05 (0.0)

olvi4* 1.0 0.963 0.25 (1.0)

cmyn4* 0.0 0.007 0.05 (0.0)

standard and adapted CIELAB

LAB*LAB 90.36 -2.96 69.13

LAB*LAB 90.36 -2.08 64.71

LAB*LAB 90.36 -2.08 64.71

relative CIELAB lab*

lab*lab 0.932 -0.023 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative Natural Colour (NC)

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative CIELAB lab*

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative Natural Colour (NC)

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative CIELAB lab*

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative Natural Colour (NC)

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative CIELAB lab*

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative Natural Colour (NC)

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative CIELAB lab*

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative Natural Colour (NC)

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative CIELAB lab*

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative Natural Colour (NC)

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative CIELAB lab*

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative Natural Colour (NC)

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative CIELAB lab*

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative Natural Colour (NC)

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative CIELAB lab*

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative Natural Colour (NC)

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative CIELAB lab*

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative Natural Colour (NC)

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative CIELAB lab*

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative Natural Colour (NC)

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative CIELAB lab*

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative Natural Colour (NC)

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative CIELAB lab*

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative Natural Colour (NC)

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative CIELAB lab*

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.255

lab*lab 0.625 0.75 0.255

relative Natural Colour (NC)

lab*lab 0.932 0.0 0.75

lab*lab 0.625 0.75 0.

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

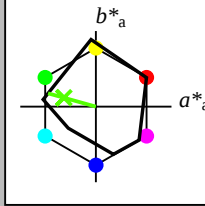
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit 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*LAB 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.776 1.0 0.75 (1.0)
cmyn3* 0.224 0.0 0.25 (0.0)
olvi4* 0.776 1.0 0.75 1.0
cmyn4* 0.224 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 85.57 -16.58 8.49
LAB*LAB 85.57 -15.79 4.4
LAB*TCBa 87.5 16.4 164.45

relative Inform. Technology (IT)
olvi3* 0.776 1.0 0.75 (1.0)
cmyn3* 0.224 0.0 0.25 (0.0)
olvi4* 0.776 1.0 0.75 1.0
cmyn4* 0.224 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 85.57 -16.58 8.49
LAB*LAB 85.57 -15.79 4.4
LAB*TCBa 87.5 16.4 164.45

relative Inform. Technology (IT)
olvi3* 0.776 1.0 0.75 (1.0)
cmyn3* 0.224 0.0 0.25 (0.0)
olvi4* 0.776 1.0 0.75 1.0
cmyn4* 0.224 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 85.57 -16.58 8.49
LAB*LAB 85.57 -15.79 4.4
LAB*TCBa 87.5 16.4 164.45

relative Inform. Technology (IT)
olvi3* 0.776 1.0 0.75 (1.0)
cmyn3* 0.224 0.0 0.25 (0.0)
olvi4* 0.776 1.0 0.75 1.0
cmyn4* 0.224 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 85.57 -16.58 8.49
LAB*LAB 85.57 -15.79 4.4
LAB*TCBa 87.5 16.4 164.45

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

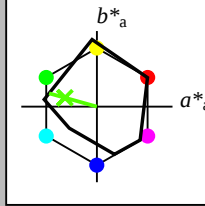
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit 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*LAB 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.776 1.0 0.75 (1.0)
cmyn3* 0.224 0.0 0.25 (0.0)
olvi4* 0.776 1.0 0.75 1.0
cmyn4* 0.224 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 85.57 -16.58 8.49
LAB*LAB 85.57 -15.79 4.4
LAB*TCBa 87.5 16.4 164.45

relative Inform. Technology (IT)
olvi3* 0.776 1.0 0.75 (1.0)
cmyn3* 0.224 0.0 0.25 (0.0)
olvi4* 0.776 1.0 0.75 1.0
cmyn4* 0.224 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 85.57 -16.58 8.49
LAB*LAB 85.57 -15.79 4.4
LAB*TCBa 87.5 16.4 164.45

relative Inform. Technology (IT)
olvi3* 0.776 1.0 0.75 (1.0)
cmyn3* 0.224 0.0 0.25 (0.0)
olvi4* 0.776 1.0 0.75 1.0
cmyn4* 0.224 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 85.57 -16.58 8.49
LAB*LAB 85.57 -15.79 4.4
LAB*TCBa 87.5 16.4 164.45

relative Inform. Technology (IT)
olvi3* 0.776 1.0 0.75 (1.0)
cmyn3* 0.224 0.0 0.25 (0.0)
olvi4* 0.776 1.0 0.75 1.0
cmyn4* 0.224 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 85.57 -16.58 8.49
LAB*LAB 85.57 -15.79 4.4
LAB*TCBa 87.5 16.4 164.45

UG540-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

BAM-Prüfvorlage UG54; Farbmetrik-Systeme MRS18 & MRS18input: $cmY0^* setcmykcolor$

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: $lab^* setrgbcolor / w^* setgray$

