

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 24/360 = 0.066$

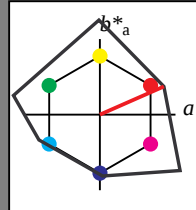
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	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

%Regularität

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

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

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*TC_{Ma} 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*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.75 0.75 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 83.34 21.17 9.31
LAB*LABa 83.34 21.15 9.31
LAB*TC_{Ma} 97.5 23.11 23.75

relative CIELAB lab*
lab*lab 0.857 0.229 0.101
lab*ch 0.875 0.25 0.066
lab*nch 0.0 0.25 0.066
relative Natural Colour (NC)
lab*tr 0.857 0.25 -0.005
lab*tc 0.875 0.25 0.996
lab*ncc 0.0 0.25 0.996

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 0.02 0.0
LAB*TC_{Ma} 75.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.25 0.0
lab*ch 0.75 0.25 0.0
lab*nch 0.0 0.25 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.25 0.0
lab*tc 0.75 0.25 0.0
lab*ncc 0.0 0.25 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 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 62.24 21.2 9.32
LAB*LABa 62.24 21.16 9.31
LAB*TC_{Ma} 62.5 23.12 23.75

relative CIELAB lab*
lab*lab 0.607 0.229 0.101
lab*ch 0.625 0.25 0.066
lab*nch 0.0 0.25 0.066
relative Natural Colour (NC)
lab*tr 0.607 0.25 -0.005
lab*tc 0.625 0.25 0.996
lab*ncc 0.0 0.25 0.996

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 0.04 0.0
LAB*TC_{Ma} 50.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.25 0.0
lab*ch 0.5 0.25 0.0
lab*nch 0.0 0.25 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.25 0.0
lab*tc 0.5 0.25 0.0
lab*ncc 0.0 0.25 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.25 (1.0)
cmyn3* 0.25 0.75 0.75 (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 50.17 42.37 18.64
LAB*LABa 50.17 42.32 18.63
LAB*TC_{Ma} 50.0 46.24 23.75

relative CIELAB lab*
lab*lab 0.371 0.686 0.302
lab*ch 0.625 0.75 0.066
lab*nch 0.0 0.75 0.066
relative Natural Colour (NC)
lab*tr 0.371 0.75 -0.017
lab*tc 0.625 0.75 0.996
lab*ncc 0.0 0.75 0.996

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 41.14 21.21 9.33
LAB*LABa 41.14 21.16 9.31
LAB*TC_{Ma} 37.5 23.12 23.75

relative CIELAB lab*
lab*lab 0.371 0.686 0.302
lab*ch 0.375 0.75 0.066
lab*nch 0.0 0.75 0.066
relative Natural Colour (NC)
lab*tr 0.371 0.75 -0.017
lab*tc 0.375 0.75 0.996
lab*ncc 0.0 0.75 0.996

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.11 63.53 27.95
LAB*LABa 30.11 63.48 27.93
LAB*TC_{Ma} 37.51 69.35 23.75

relative CIELAB lab*
lab*lab 0.321 0.686 0.302
lab*ch 0.375 0.75 0.066
lab*nch 0.0 0.75 0.066
relative Natural Colour (NC)
lab*tr 0.321 0.75 -0.017
lab*tc 0.375 0.75 0.996
lab*ncc 0.0 0.75 0.996

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 29.07 42.36 18.64
LAB*LABa 29.07 42.32 18.63
LAB*TC_{Ma} 25.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.321 0.686 0.302
lab*ch 0.375 0.75 0.066
lab*nch 0.0 0.75 0.066
relative Natural Colour (NC)
lab*tr 0.321 0.75 -0.017
lab*tc 0.375 0.75 0.996
lab*ncc 0.0 0.75 0.996

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 20.04 21.22 9.33
LAB*LABa 20.04 21.15 9.31
LAB*TC_{Ma} 12.5 23.11 23.75

relative CIELAB lab*
lab*lab 0.107 0.229 0.101
lab*ch 0.125 0.25 0.066
lab*nch 0.0 0.25 0.066
relative Natural Colour (NC)
lab*tr 0.107 0.25 -0.005
lab*tc 0.125 0.25 0.996
lab*ncc 0.0 0.25 0.996

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 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 20.04 21.22 9.33
LAB*LABa 20.04 21.15 9.31
LAB*TC_{Ma} 12.5 23.11 23.75

relative CIELAB lab*
lab*lab 0.107 0.229 0.101
lab*ch 0.125 0.25 0.066
lab*nch 0.0 0.25 0.066
relative Natural Colour (NC)
lab*tr 0.107 0.25 -0.005
lab*tc 0.125 0.25 0.996
lab*ncc 0.0 0.25 0.996

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 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 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 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 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 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 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 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 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 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 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 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 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 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 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 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 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 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 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 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

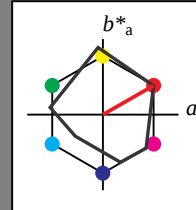
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



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* 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*TC_{Ma} 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*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.75 0.75 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 83.34 21.17 9.31
LAB*LABa 83.34 21.15 9.31
LAB*TC_{Ma} 97.5 23.11 23.75

relative CIELAB lab*
lab*lab 0.852 0.217 0.124
lab*ch 0.875 0.25 0.083
lab*nch 0.0 0.25 0.083
relative Natural Colour (NC)
lab*tr 0.852 0.248 0.03
lab*tc 0.875 0.25 0.919
lab*ncc 0.0 0.25 0.919

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 -0.344
LAB*LABa 76.06 0.0 0.0
LAB*TC_{Ma} 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*tr 0.75 0.0 0.0
lab*tc 0.75 0.0 0.0
lab*ncc 0.0 0.

A 3D coordinate system is shown with three axes originating from a point labeled 'O'. The axes are labeled 'O', 'L', and 'V'. The 'O' axis is horizontal and points to the right. The 'L' axis is vertical and points upwards. The 'V' axis is diagonal and points towards the upper right. The axes are represented by lines with arrows at their ends.

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 167/360 = 0.465$

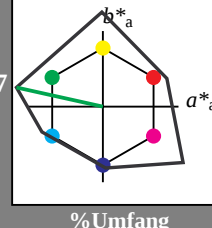
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 149$

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*TCh 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*tr 1.0 0.0 0.0
lab*ce 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*Lab 74.31 0.02 0.0
LAB*TCh 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.904 -0.243 0.054
lab*ch 0.875 0.25 0.465
lab*nch 0.0 0.25 0.465
relative Natural Colour (NC)
lab*tr 0.904 -0.243 -0.018
lab*ce 0.875 0.25 0.512
lab*nCe 0.0 0.25 0.512

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*Lab 53.21 0.04 0.0
LAB*TCh 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.654 -0.243 0.054
lab*ch 0.625 0.25 0.465
lab*nch 0.0 0.25 0.465
relative Natural Colour (NC)
lab*tr 0.654 -0.243 -0.018
lab*ce 0.625 0.25 0.512
lab*nCe 0.0 0.25 0.512

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 0.07 0.01
LAB*Lab 32.11 0.07 0.01
LAB*TCh 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.404 -0.243 0.054
lab*ch 0.375 0.25 0.465
lab*nch 0.0 0.25 0.465
relative Natural Colour (NC)
lab*tr 0.404 -0.243 -0.018
lab*ce 0.375 0.25 0.512
lab*nCe 0.0 0.25 0.512

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 0.00 0.0
LAB*Lab 11.01 0.00 0.0
LAB*TCh 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.154 -0.243 0.054
lab*ch 0.125 0.25 0.465
lab*nch 0.0 0.25 0.465
relative Natural Colour (NC)
lab*tr 0.154 -0.243 -0.018
lab*ce 0.125 0.25 0.512
lab*nCe 0.0 0.25 0.512

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.00 0.0
LAB*Lab 0.01 0.00 0.0
LAB*TCh 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.0154 -0.243 0.054
lab*ch 0.0125 0.25 0.465
lab*nch 0.0 0.25 0.465
relative Natural Colour (NC)
lab*tr 0.0154 -0.243 -0.018
lab*ce 0.0125 0.25 0.512
lab*nCe 0.0 0.25 0.512

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 0.00 0.00 0.0
LAB*Lab 0.00 0.00 0.0
LAB*TCh 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.00154 -0.243 0.054
lab*ch 0.00125 0.25 0.465
lab*nch 0.0 0.25 0.465
relative Natural Colour (NC)
lab*tr 0.00154 -0.243 -0.018
lab*ce 0.00125 0.25 0.512
lab*nCe 0.0 0.25 0.512

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 0.00 0.00 0.0
LAB*Lab 0.00 0.00 0.0
LAB*TCh 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.000154 -0.243 0.054
lab*ch 0.000125 0.25 0.465
lab*nch 0.0 0.25 0.465
relative Natural Colour (NC)
lab*tr 0.000154 -0.243 -0.018
lab*ce 0.000125 0.25 0.512
lab*nCe 0.0 0.25 0.512

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 0.00 0.00 0.0
LAB*Lab 0.00 0.00 0.0
LAB*TCh 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.0000154 -0.243 0.054
lab*ch 0.0000125 0.25 0.465
lab*nch 0.0 0.25 0.465
relative Natural Colour (NC)
lab*tr 0.0000154 -0.243 -0.018
lab*ce 0.0000125 0.25 0.512
lab*nCe 0.0 0.25 0.512

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 0.00 0.00 0.0
LAB*Lab 0.00 0.00 0.0
LAB*TCh 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.00000154 -0.243 0.054
lab*ch 0.00000125 0.25 0.465
lab*nch 0.0 0.25 0.465
relative Natural Colour (NC)
lab*tr 0.00000154 -0.243 -0.018
lab*ce 0.00000125 0.25 0.512
lab*nCe 0.0 0.25 0.512

UG580-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (links)

BAM-Prüfvorlage UG58; Farbmetrik-Systeme NCS11a & MRS18put: cmy0* setcmykcolor

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: no change compared to input

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

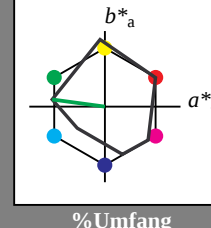
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 91$

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 0.0 -0.97 4.75
LAB*Lab 95.41 0.0 0.0
LAB*TCh 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*tr 1.0 0.0 0.0
lab*ce 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*Lab 76.06 -0.6 0.0
LAB*TCh 75.00 0.01 0.0

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*tr 0.86 -0.247 -0.028
lab*ce 0.875 0.25 0.518
lab*nCe 0.0 0.25 0.518

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*Lab 56.71 -0.23 0.0
LAB*TCh 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.61 -0.247 0.034
lab*ch 0.625 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*tr 0.61 -0.247 -0.028
lab*ce 0.625 0.25 0.518
lab*nCe 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 32.11 0.07 0.01
LAB*Lab 32.11 0.07 0.01
LAB*TCh 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.404 -0.247 0.034
lab*ch 0.375 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*tr 0.404 -0.247 -0.028
lab*ce 0.375 0.25 0.518
lab*nCe 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 11.01 0.00 0.0
LAB*Lab 11.01 0.00 0.0
LAB*TCh 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0154 -0.247 0.034
lab*ch 0.0125 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*tr 0.0154 -0.247 -0.028
lab*ce 0.0125 0.25 0.518
lab*nCe 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 0.01 0.00 0.0
LAB*Lab 0.01 0.00 0.0
LAB*TCh 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.00154 -0.247 0.034
lab*ch 0.00125 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*tr 0.00154 -0.247 -0.028
lab*ce 0.00125 0.25 0.518
lab*nCe 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 0.00 0.00 0.0
LAB*Lab 0.00 0.00 0.0
LAB*TCh 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.000154 -0.247 0.034
lab*ch 0.000125 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*tr 0.000154 -0.247 -0.028
lab*ce 0.000125 0.25 0.518
lab*nCe 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 0.00 0.00 0.0
LAB*Lab 0.00 0.00 0.0
LAB*TCh 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.0000154 -0.247 0.034
lab*ch 0.0000125 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*tr 0.0000154 -0.247 -0.028
lab*ce 0.0000125 0.25 0.518
lab*nCe 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 0.00 0.00 0.0
LAB*Lab 0.00 0.00 0.0
LAB*TCh 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.00000154 -0.247 0.034
lab*ch 0.00000125 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*tr 0.00000154 -0.247 -0.028
lab*ce 0.00000125 0.25 0.518
lab*nCe 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 0.00 0.00 0.0
LAB*Lab 0.00 0.00 0.0
LAB*TCh 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.000000154 -0.247 0.034
lab*ch 0.000000125 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*tr 0.000000154 -0.247 -0.028
lab*ce 0.000000125 0.25 0.518
lab*nCe 0.0 0.25 0.518

5 stufige Reihen für konstanten CIELAB Buntton 172/360 = 0.479 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 203/360 = 0.563$

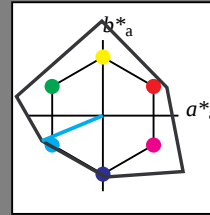
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 149$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 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*LAB 95.41 0.0 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 1.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.02 0.0

relative CIELAB lab*
lab*lab 0.893 -0.23 -0.095
lab*lab 0.893 0.25 0.563
lab*lab 0.893 0.25 0.563
lab*lab 0.893 0.25 0.563
relative Natural Colour (NC)
lab*lab 0.893 -0.23 -0.095
lab*lab 0.893 0.25 0.563
lab*lab 0.893 0.25 0.563
lab*lab 0.893 0.25 0.563

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
olvi3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LAB 53.21 0.04 0.0
LAB*LAB 53.21 0.04 0.0
LAB*LAB 53.21 0.04 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (0.0)
lab*lab 0.5 0.5 0.5 (0.0)
lab*lab 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (0.0)
lab*lab 0.5 0.5 0.5 (0.0)
lab*lab 0.5 0.5 0.5 (0.0)

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.08 0.01
LAB*LAB 32.11 0.08 0.01
LAB*LAB 32.11 0.08 0.01
LAB*LAB 32.11 0.08 0.01

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.25 0.25 0.25 (0.0)

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.08 0.01
LAB*LAB 32.11 0.08 0.01
LAB*LAB 32.11 0.08 0.01
LAB*LAB 32.11 0.08 0.01

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.25 0.25 0.25 (0.0)

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
olvi3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 77.43 -40.26 -16.71
LAB*LAB 77.43 -40.26 -16.71
LAB*LAB 77.43 -40.26 -16.71
LAB*LAB 77.43 -40.26 -16.71

relative CIELAB lab*
lab*lab 0.787 -0.461 -0.191
lab*lab 0.787 0.5 0.563
lab*lab 0.787 0.5 0.563
lab*lab 0.787 0.5 0.563
relative Natural Colour (NC)
lab*lab 0.787 -0.461 -0.191
lab*lab 0.787 0.5 0.563
lab*lab 0.787 0.5 0.563
lab*lab 0.787 0.5 0.563

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.33 -40.26 -16.71
LAB*LAB 56.33 -40.26 -16.71
LAB*LAB 56.33 -40.26 -16.71
LAB*LAB 56.33 -40.26 -16.71

relative CIELAB lab*
lab*lab 0.537 -0.418 -0.272
lab*lab 0.537 0.5 0.563
lab*lab 0.537 0.5 0.563
lab*lab 0.537 0.5 0.563
relative Natural Colour (NC)
lab*lab 0.537 -0.418 -0.272
lab*lab 0.537 0.5 0.563
lab*lab 0.537 0.5 0.563
lab*lab 0.537 0.5 0.563

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.51 65.45 20.54
LAB*LAB 37.51 65.45 20.54
LAB*LAB 37.51 65.45 20.54
LAB*LAB 37.51 65.45 20.54

relative CIELAB lab*
lab*lab 0.431 -0.692 -0.286
lab*lab 0.431 0.5 0.563
lab*lab 0.431 0.5 0.563
lab*lab 0.431 0.5 0.563
relative Natural Colour (NC)
lab*lab 0.431 -0.692 -0.286
lab*lab 0.431 0.5 0.563
lab*lab 0.431 0.5 0.563
lab*lab 0.431 0.5 0.563

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.23 -40.26 -16.71
LAB*LAB 35.23 -40.26 -16.71
LAB*LAB 35.23 -40.26 -16.71
LAB*LAB 35.23 -40.26 -16.71

relative CIELAB lab*
lab*lab 0.287 -0.461 -0.191
lab*lab 0.287 0.5 0.563
lab*lab 0.287 0.5 0.563
lab*lab 0.287 0.5 0.563
relative Natural Colour (NC)
lab*lab 0.287 -0.461 -0.191
lab*lab 0.287 0.5 0.563
lab*lab 0.287 0.5 0.563
lab*lab 0.287 0.5 0.563

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.11 -20.13 -8.35
LAB*LAB 23.11 -20.13 -8.35
LAB*LAB 23.11 -20.13 -8.35
LAB*LAB 23.11 -20.13 -8.35

relative CIELAB lab*
lab*lab 0.144 -0.23 -0.095
lab*lab 0.144 0.5 0.563
lab*lab 0.144 0.5 0.563
lab*lab 0.144 0.5 0.563
relative Natural Colour (NC)
lab*lab 0.144 -0.23 -0.095
lab*lab 0.144 0.5 0.563
lab*lab 0.144 0.5 0.563
lab*lab 0.144 0.5 0.563

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)
lab*lab 0.0 0.0 0.0 (0.0)

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

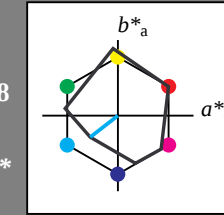
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 -0.97 4.75

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 1.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

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

relative CIELAB lab*
lab*lab 0.837 -0.196 -0.153
lab*lab 0.837 0.25 0.605
lab*lab 0.837 0.25 0.605
lab*lab 0.837 0.25 0.605
relative Natural Colour (NC)
lab*lab 0.837 -0.196 -0.153
lab*lab 0.837 0.25 0.605
lab*lab 0.837 0.25 0.605
lab*lab 0.837 0.25 0.605

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

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 273/360 = 0.757$

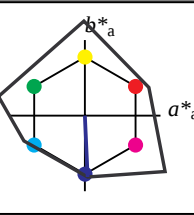
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 149$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)
LAB*LAB	95.41	0.0	-0.01	
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	99.99	0.01	0.0	

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	
lab*ch	0.0	1.0	0.0	
lab*nch	0.0	0.0	1.0	
relative Natural Colour (NC)	1.0	0.0	0.0	
lab*tr	0.0	0.0	0.0	
lab*tr	0.0	0.0	0.0	
lab*tr	0.0	0.0	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)
LAB*LAB	74.31	0.02	0.0	
LAB*LAB	74.31	0.02	0.0	
LAB*LAB	74.31	0.02	0.0	

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*ch	0.25	0.25	0.25	(0.0)
lab*nch	0.25	0.25	0.25	(0.0)
relative Natural Colour (NC)	0.75	0.75	0.75	(1.0)
lab*tr	0.25	0.25	0.25	(0.0)
lab*tr	0.25	0.25	0.25	(0.0)
lab*tr	0.25	0.25	0.25	(0.0)

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(0.0)
olvi3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)
LAB*LAB	53.21	0.04	0.0	
LAB*LAB	53.21	0.04	0.0	
LAB*LAB	53.21	0.04	0.0	

relative CIELAB lab*

lab*lab	0.5	0.5	0.5	(0.0)
lab*ch	0.5	0.5	0.5	(0.0)
lab*nch	0.5	0.5	0.5	(0.0)
relative Natural Colour (NC)	0.5	0.5	0.5	(0.0)
lab*tr	0.5	0.5	0.5	(0.0)
lab*tr	0.5	0.5	0.5	(0.0)
lab*tr	0.5	0.5	0.5	(0.0)

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
olvi3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)
LAB*LAB	32.11	0.01	0.0	
LAB*LAB	32.11	0.01	0.0	
LAB*LAB	32.11	0.01	0.0	

relative CIELAB lab*

lab*lab	0.25	0.25	0.25	(1.0)
lab*ch	0.75	0.75	0.75	(0.0)
lab*nch	0.75	0.75	0.75	(0.0)
relative Natural Colour (NC)	0.25	0.25	0.25	(1.0)
lab*tr	0.75	0.75	0.75	(0.0)
lab*tr	0.75	0.75	0.75	(0.0)
lab*tr	0.75	0.75	0.75	(0.0)

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
olvi3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)
LAB*LAB	11.01	0.07	0.01	
LAB*LAB	11.01	0.07	0.01	
LAB*LAB	11.01	0.07	0.01	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	1.0	1.0	1.0	(0.0)
lab*nch	1.0	1.0	1.0	(0.0)
relative Natural Colour (NC)	0.0	0.0	0.0	(1.0)
lab*tr	1.0	1.0	1.0	(0.0)
lab*tr	1.0	1.0	1.0	(0.0)
lab*tr	1.0	1.0	1.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
olvi3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)
LAB*LAB	0.01	0.01	0.01	
LAB*LAB	0.01	0.01	0.01	
LAB*LAB	0.01	0.01	0.01	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	1.0	1.0	1.0	(0.0)
lab*nch	1.0	1.0	1.0	(0.0)
relative Natural Colour (NC)	0.0	0.0	0.0	(1.0)
lab*tr	1.0	1.0	1.0	(0.0)
lab*tr	1.0	1.0	1.0	(0.0)
lab*tr	1.0	1.0	1.0	(0.0)

NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	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

%Regularität

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

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

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)
LAB*LAB	72.21	1.85	-40.58	
LAB*LAB	72.21	1.85	-40.58	
LAB*LAB	72.21	1.85	-40.58	

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*ch	0.25	0.25	0.25	(0.0)
lab*nch	0.25	0.25	0.25	(0.0)
relative Natural Colour (NC)	0.75	0.75	0.75	(1.0)
lab*tr	0.25	0.25	0.25	(0.0)
lab*tr	0.25	0.25	0.25	(0.0)
lab*tr	0.25	0.25	0.25	(0.0)

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
olvi3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)
LAB*LAB	60.61	2.77	-60.88	
LAB*LAB	60.61	2.77	-60.88	
LAB*LAB	60.61	2.77	-60.88	

relative CIELAB lab*

lab*lab	0.25	0.25	0.25	(1.0)
lab*ch	0.75	0.75	0.75	(0.0)
lab*nch	0.75	0.75	0.75	(0.0)
relative Natural Colour (NC)	0.25	0.25	0.25	(1.0)
lab*tr	0.75	0.75	0.75	(0.0)
lab*tr	0.75	0.75	0.75	(0.0)
lab*tr	0.75	0.75	0.75	(0.0)

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
olvi3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)
LAB*LAB	30.01	1.82	-40.58	
LAB*LAB	30.01	1.82	-40.58	
LAB*LAB	30.01	1.82	-40.58	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	1.0	1.0	1.0	(0.0)
lab*nch	1.0	1.0	1.0	(0.0)
relative Natural Colour (NC)	0.0	0.0	0.0	(1.0)
lab*tr	1.0	1.0	1.0	(0.0)
lab*tr	1.0	1.0	1.0	(0.0)
lab*tr	1.0	1.0	1.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
olvi3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)
LAB*LAB	11.01	0.07	0.01	
LAB*LAB	11.01	0.07	0.01	
LAB*LAB	11.01	0.07	0.01	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	1.0	1.0	1.0	(0.0)
lab*nch	1.0	1.0	1.0	(0.0)
relative Natural Colour (NC)	0.0	0.0	0.0	(1.0)
lab*tr	1.0	1.0	1.0	(0.0)
lab*tr	1.0	1.0	1.0	(0.0)
lab*tr	1.0	1.0	1.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
olvi3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)
LAB*LAB	0.01	0.01	0.01	
LAB*LAB	0.01	0.01	0.01	
LAB*LAB	0.01	0.01	0.01	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	1.0	1.0	1.0	(0.0)
lab*nch	1.0	1.0	1.0	(0.0)
relative Natural Colour (NC)	0.0	0.0	0.0	(1.0)
lab*tr	1.0	1.0	1.0	(0.0)
lab*tr	1.0	1.0	1.0	(0.0)
lab*tr	1.0	1.0	1.0	(0.0)

1.00

0.75

$n^* = 0.00$

0.25

$n^* = 0.25$

Schwarzheit n^*

$n^* = 0.50$

0.75

1.00

relative Buntheit c^*

$n^* = 1.0$

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

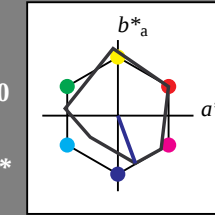
lab^*ch und lab^*nch

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*	1.0	1.0	1.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)
LAB*LAB	95.41	-0.97	4.75	
LAB*LAB	95.41	-0.97	4.75	
LAB*LAB	99.99	0.01	0.0	

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	
lab*ch	0.0	1.0	0.0	
lab*nch	0.0	0.0	1.0	
relative Natural Colour (NC)	1.0	0.0	0.0	
lab*tr	0.0	0.0	0.0	
lab*tr	0.0	0.0	0.0	
lab*tr	0.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyrn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.75
cmyrn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.06	-0.6	3.44	
LAB*LAB ₀	76.06	0.0	0.0	

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

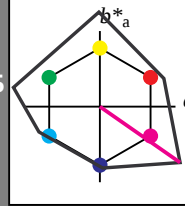
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 149$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	95.41	0.0	-0.01	
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	99.99	0.01	0.0	

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	
lab*ch	0.0	1.0	0.0	
lab*nch	0.0	0.0	1.0	
relative Natural Colour (NC)	1.0	0.0	0.0	
lab*tr	0.0	0.0	0.0	
lab*ce	0.0	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)
LAB*LAB	74.31	0.02	0.0	
LAB*LAB	74.31	0.02	0.0	
LAB*LAB	74.31	0.02	0.0	

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*ch	0.25	0.25	0.25	(0.0)
lab*nch	0.0	0.0	0.0	(0.0)
relative Natural Colour (NC)	0.75	0.75	0.75	(1.0)
lab*tr	0.25	0.25	0.25	(0.0)
lab*ce	0.25	0.25	0.25	(0.0)
lab*nce	0.25	0.25	0.25	(0.0)

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(0.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	53.21	0.04	0.0	
LAB*LAB	53.21	0.04	0.0	
LAB*LAB	53.21	0.04	0.0	

relative CIELAB lab*

lab*lab	0.5	0.5	0.5	(0.0)
lab*ch	0.5	0.5	0.5	(0.0)
lab*nch	0.0	0.0	0.0	(0.0)
relative Natural Colour (NC)	0.5	0.5	0.5	(0.0)
lab*tr	0.5	0.5	0.5	(0.0)
lab*ce	0.5	0.5	0.5	(0.0)
lab*nce	0.5	0.5	0.5	(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)
LAB*LAB	32.11	0.07	0.01	
LAB*LAB	32.11	0.07	0.01	
LAB*LAB	32.11	0.07	0.01	

relative CIELAB lab*

lab*lab	0.25	0.25	0.25	(1.0)
lab*ch	0.75	0.75	0.75	(0.0)
lab*nch	0.0	0.0	0.0	(0.0)
relative Natural Colour (NC)	0.25	0.25	0.25	(1.0)
lab*tr	0.75	0.75	0.75	(0.0)
lab*ce	0.75	0.75	0.75	(0.0)
lab*nce	0.75	0.75	0.75	(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)
LAB*LAB	19.26	0.18	0.05	
LAB*LAB	19.26	0.18	0.05	
LAB*LAB	19.26	0.18	0.05	

relative CIELAB lab*

lab*lab	0.25	0.25	0.25	(1.0)
lab*ch	0.75	0.75	0.75	(0.0)
lab*nch	0.0	0.0	0.0	(0.0)
relative Natural Colour (NC)	0.25	0.25	0.25	(1.0)
lab*tr	0.75	0.75	0.75	(0.0)
lab*ce	0.75	0.75	0.75	(0.0)
lab*nce	0.75	0.75	0.75	(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)
LAB*LAB	11.01	0.07	0.01	
LAB*LAB	11.01	0.07	0.01	
LAB*LAB	11.01	0.07	0.01	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	1.0	1.0	1.0	(0.0)
lab*nch	0.0	0.0	0.0	(0.0)
relative Natural Colour (NC)	0.0	0.0	0.0	(1.0)
lab*tr	1.0	1.0	1.0	(0.0)
lab*ce	1.0	1.0	1.0	(0.0)
lab*nce	1.0	1.0	1.0	(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)
LAB*LAB	0.01	0.01	0.01	
LAB*LAB	0.01	0.01	0.01	
LAB*LAB	0.01	0.01	0.01	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	1.0	1.0	1.0	(0.0)
lab*nch	0.0	0.0	0.0	(0.0)
relative Natural Colour (NC)	0.0	0.0	0.0	(1.0)
lab*tr	1.0	1.0	1.0	(0.0)
lab*ce	1.0	1.0	1.0	(0.0)
lab*nce	1.0	1.0	1.0	(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)
LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	1.0	1.0	1.0	(0.0)
lab*nch	0.0	0.0	0.0	(0.0)
relative Natural Colour (NC)	0.0	0.0	0.0	(1.0)
lab*tr	1.0	1.0	1.0	(0.0)
lab*ce	1.0	1.0	1.0	(0.0)
lab*nce	1.0	1.0	1.0	(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)
LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	1.0	1.0	1.0	(0.0)
lab*nch	0.0	0.0	0.0	(0.0)
relative Natural Colour (NC)	0.0	0.0	0.0	(1.0)
lab*tr	1.0	1.0	1.0	(0.0)
lab*ce	1.0	1.0	1.0	(0.0)
lab*nce	1.0	1.0	1.0	(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)
LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	1.0	1.0	1.0	(0.0)
lab*nch	0.0	0.0	0.0	(0.0)
relative Natural Colour (NC)	0.0	0.0	0.0	(1.0)
lab*tr	1.0	1.0	1.0	(0.0)
lab*ce	1.0	1.0	1.0	(0.0)
lab*nce	1.0	1.0	1.0	(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)
LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	1.0	1.0	1.0	(0.0)
lab*nch	0.0	0.0	0.0	(0.0)
relative Natural Colour (NC)	0.0	0.0	0.0	(1.0)
lab*tr	1.0	1.0	1.0	(0.0)
lab*ce	1.0	1.0	1.0	(0.0)
lab*nce	1.0	1.0	1.0	(0.0)

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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

%Regularität

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

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

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)
LAB*LAB	69.73	53.06	-36.95	
LAB*LAB	69.73	53.06	-36.95	
LAB*LAB	69.73	53.06	-36.95	

relative CIELAB lab*

lab*lab	0.696	0.41	-0.285	
lab*ch	0.75	0.5	0.903	
lab*nch	0.0	0.5	0.903	
relative Natural Colour (NC)	0.696	0.41	-0.285	
lab*tr	0.75	0.5	0.903	
lab*ce	0.75	0.5	0.903	
lab*nce	0.75	0.5	0.903	

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	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
LAB*LAB	48.63	53.09	-36.95	
LAB*LAB	48.63	53.09	-36.95	
LAB*LAB	48.63	53.09	-36.95	

relative CIELAB lab*

lab*lab	0.486	0.41	-0.285	
lab*ch	0.75	0.5	0.903	
lab*nch	0.0	0.5	0.903	
relative Natural Colour (NC)	0.486	0.41	-0.285	
lab*tr	0.75	0.5	0.903	
lab*ce	0.75	0.5	0.903	
lab*nce	0.75	0.5	0.903	

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	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
LAB*LAB	35.8	79.61	-55.42	
LAB*LAB	35.8	79.61	-55.42	
LAB*LAB	35.8	79.61	-55.42	

relative CIELAB lab*

lab*lab	0.544	0.615	-0.428	
lab*ch	0.625	0.75	0.903	
lab*nch	0.0	0.75	0.903	
relative Natural Colour (NC)	0.544	0.615	-0.428	
lab*tr	0.625	0.75	0.903	
lab*ce	0.625	0.75	0.903	
lab*nce	0.625	0.75	0.903	

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	0.5	1.0	(1.0)
cmyn4*	0.0	0.5	0.0	(0.0)
LAB*LAB	19.26	53.09	-36.95	
LAB*LAB	19.26	53.09	-36.95	
LAB*LAB	19.26	53.09	-36.95	

relative CIELAB lab*

lab*lab	0.348	0.615	-0.428	
lab*ch	0.375	0.75	0.903	
lab*nch	0.0	0.75	0.903	
relative Natural Colour (NC)	0.348	0.615	-0.428	
lab*tr	0.375	0.75	0.903	
lab*ce	0.375	0.75	0.903	
lab*nce	0.375	0.75	0.903	

Technology (IT)			
0.0	0.5	(1.0)	
1.0	0.5	(0.0)	
0.5	1.0	0.5	
0.5	0.0	0.5	
Adapted CIELAB			
53	53.1	-36.9	
53	53.03	-36.9	

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 25/360 = 0.071$

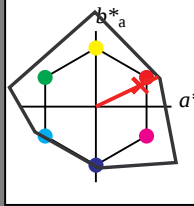
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 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 0.0 -0.01
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

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*TCHa 99.99 0.01 -

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*TCHa 75.0 0.01 -

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*TCHa 75.0 0.01 -

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*TCHa 50.0 0.01 -

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*TCHa 50.0 0.01 -

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 0.08 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TCHa 25.0 0.01 -

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 0.08 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TCHa 25.0 0.01 -

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 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 0.01 0.01 -

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 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 0.01 0.01 -

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 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 0.01 0.01 -

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 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 0.01 0.01 -

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 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 0.01 0.01 -

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 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 0.01 0.01 -

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 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 0.01 0.01 -

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 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 0.01 0.01 -

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 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 0.01 0.01 -

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 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 0.01 0.01 -

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 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 0.01 0.01 -

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 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 0.01 0.01 -

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 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 0.01 0.01 -

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 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 0.01 0.01 -

NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	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

%Regularität

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

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

$u^*_{rel} = 149$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.25$

$n^* = 1.50$

$n^* = 1.75$

$n^* = 2.0$

$n^* = 2.25$

$n^* = 2.50$

$n^* = 2.75$

$n^* = 3.0$

$n^* = 3.25$

$n^* = 3.50$

$n^* = 3.75$

$n^* = 4.0$

$n^* = 4.25$

$n^* = 4.50$

$n^* = 4.75$

$n^* = 5.0$

$n^* = 5.25$

$n^* = 5.50$

$n^* = 5.75$

$n^* = 6.0$

$n^* = 6.25$

$n^* = 6.50$

$n^* = 6.75$

$n^* = 7.0$

$n^* = 7.25$

$n^* = 7.50$

$n^* = 7.75$

$n^* = 8.0$

$n^* = 8.25$

$n^* = 8.50$

$n^* = 8.75$

$n^* = 9.0$

$n^* = 9.25$

$n^* = 9.50$

$n^* = 9.75$

$n^* = 10.0$

$n^* = 10.25$

$n^* = 10.50$

$n^* = 10.75$

$n^* = 11.0$

$n^* = 11.25$

$n^* = 11.50$

$n^* = 11.75$

$n^* = 12.0$

$n^* = 12.25$

$n^* = 12.50$

$n^* = 12.75$

$n^* = 13.0$

$n^* = 13.25$

$n^* = 13.50$

$n^* = 13.75$

$n^* = 14.0$

$n^* = 14.25$

$n^* = 14.50$

$n^* = 14.75$

$n^* = 15.0$

$n^* = 15.25$

$n^* = 15.50$

$n^* = 15.75$

$n^* = 16.0$

$n^* = 16.25$

$n^* = 16.50$

$n^* = 16.75$

$n^* = 17.0$

$n^* = 17.25$

$n^* = 17.50$

$n^* = 17.75$

$n^* = 18.0$

$n^* = 18.25$

$n^* = 18.50$

$n^* = 18.75$

$n^* = 19.0$

$n^* = 19.25$

$n^* = 19.50$

$n^* = 19.75$

$n^* = 20.0$

$n^* = 20.25$

$n^* = 20.50$

$n^* = 20.75$

$n^* = 21.0$

$n^* = 21.25$

$n^* = 21.50$

$n^* = 21.75$

$n^* = 22.0$

$n^* = 22.25$

$n^* = 22.50$

$n^* = 22.75$

$n^* = 23.0$

$n^* = 23.25$

$n^* = 23.50$

$n^* = 23.75$

$n^* = 24.0$

$n^* = 24.25$

$n^* = 24.50$

$n^* = 24.75$

$n^* = 25.0$

$n^* = 25.25$

$n^* = 25.50$

$n^* = 25.75$

$n^* = 26.0$

$n^* = 26.25$

$n^* = 26.50$

$n^* = 26.75$

$n^* = 27.0$

$n^* = 27.25$

$n^* = 27.50$

$n^* = 27.75$

$n^* = 28.0$

$n^* = 28.25$

$n^* = 28.50$

$n^* = 28.75$

$n^* = 29.0$

$n^* = 29.25$

$n^* = 29.50$

$n^* = 29.75$

$n^* = 30.0$

$n^* = 30.25$

$n^* = 30.50$

$n^* = 30.75$

$n^* = 31.0$

$n^* = 31.25$

$n^* = 31.50$

$n^* = 31.75$

$n^* = 32.0$

$n^* = 32.25$

$n^* = 32.50$

$n^* = 32.75$

$n^* = 33.0$

$n^* = 33.25$

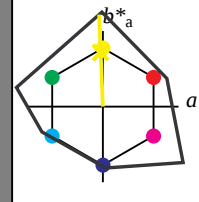
Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 92/360 = 0.256$

lab^*ch und lab^*nch

D65: Buntton J
LCH*Ma: 90 122 92
rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 149$

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*Lab 95.41 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.992 1.0 0.75 (1.0)
cmyn3* 0.008 0.0 0.25 (0.0)
olvi4* 0.992 1.0 0.75 (1.0)
cmyn4* 0.008 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*Lab 94.16 -1.21 30.44
LAB*Lab 94.16 -1.22 30.46
LAB*Lab 94.16 -1.22 30.46

relative Inform. Technology (IT)
olvi3* 0.985 1.0 0.25 (1.0)
cmyn3* 0.015 0.0 0.75 (0.0)
olvi4* 0.985 1.0 0.25 (1.0)
cmyn4* 0.015 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*Lab 92.92 -2.46 60.89
LAB*Lab 92.92 -2.46 60.89
LAB*Lab 92.92 -2.46 60.89

relative Inform. Technology (IT)
olvi3* 0.984 1.0 0.5 (1.0)
cmyn3* 0.016 0.0 0.5 (0.0)
olvi4* 0.984 1.0 0.5 (1.0)
cmyn4* 0.016 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*Lab 92.52 -2.44 60.89
LAB*Lab 92.52 -2.44 60.89
LAB*Lab 92.52 -2.44 60.89

relative Inform. Technology (IT)
olvi3* 0.976 1.0 0.25 (1.0)
cmyn3* 0.024 0.0 0.75 (0.0)
olvi4* 0.976 1.0 0.25 (1.0)
cmyn4* 0.024 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34

relative Inform. Technology (IT)
olvi3* 0.976 1.0 0.5 (1.0)
cmyn3* 0.024 0.0 0.5 (0.0)
olvi4* 0.976 1.0 0.5 (1.0)
cmyn4* 0.024 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34

relative Inform. Technology (IT)
olvi3* 0.976 1.0 0.25 (1.0)
cmyn3* 0.024 0.0 0.75 (0.0)
olvi4* 0.976 1.0 0.25 (1.0)
cmyn4* 0.024 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34

relative Inform. Technology (IT)
olvi3* 0.976 1.0 0.5 (1.0)
cmyn3* 0.024 0.0 0.5 (0.0)
olvi4* 0.976 1.0 0.5 (1.0)
cmyn4* 0.024 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34

relative Inform. Technology (IT)
olvi3* 0.976 1.0 0.25 (1.0)
cmyn3* 0.024 0.0 0.75 (0.0)
olvi4* 0.976 1.0 0.25 (1.0)
cmyn4* 0.024 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34

relative Inform. Technology (IT)
olvi3* 0.976 1.0 0.5 (1.0)
cmyn3* 0.024 0.0 0.5 (0.0)
olvi4* 0.976 1.0 0.5 (1.0)
cmyn4* 0.024 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34

NCS11; adaptierte CIELAB-Daten	L*	a*	b*	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

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 0.976 1.0 0.25 (1.0)
cmyn3* 0.024 0.0 0.75 (0.0)
olvi4* 0.976 1.0 0.25 (1.0)
cmyn4* 0.024 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34

relative Inform. Technology (IT)
olvi3* 0.976 1.0 0.5 (1.0)
cmyn3* 0.024 0.0 0.5 (0.0)
olvi4* 0.976 1.0 0.5 (1.0)
cmyn4* 0.024 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34

relative Inform. Technology (IT)
olvi3* 0.976 1.0 0.25 (1.0)
cmyn3* 0.024 0.0 0.75 (0.0)
olvi4* 0.976 1.0 0.25 (1.0)
cmyn4* 0.024 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34

relative Inform. Technology (IT)
olvi3* 0.976 1.0 0.5 (1.0)
cmyn3* 0.024 0.0 0.5 (0.0)
olvi4* 0.976 1.0 0.5 (1.0)
cmyn4* 0.024 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34

relative Inform. Technology (IT)
olvi3* 0.976 1.0 0.25 (1.0)
cmyn3* 0.024 0.0 0.75 (0.0)
olvi4* 0.976 1.0 0.25 (1.0)
cmyn4* 0.024 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34

relative Inform. Technology (IT)
olvi3* 0.976 1.0 0.5 (1.0)
cmyn3* 0.024 0.0 0.5 (0.0)
olvi4* 0.976 1.0 0.5 (1.0)
cmyn4* 0.024 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34

relative Inform. Technology (IT)
olvi3* 0.976 1.0 0.25 (1.0)
cmyn3* 0.024 0.0 0.75 (0.0)
olvi4* 0.976 1.0 0.25 (1.0)
cmyn4* 0.024 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34
LAB*Lab 91.68 -3.68 91.34

UG580-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (rechts)

BAM-Prüfvorlage UG58; Farbmetrik-Systeme NCS11a & MRS18bput: $cmv0^* setcmykcolor$

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: no change compared to input

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 162/360 = 0.451$

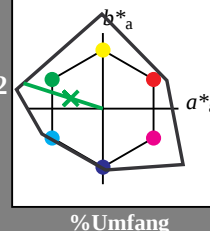
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 149$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 -0.01
LAB*LABa 95.41 0.0 0.0
LAB*LABb 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*tr 1.0 0.0 0.0
lab*tc 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 74.31 0.02 0.0
LAB*LABa 74.31 0.02 0.0
LAB*LABb 75.00 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*tr 0.75 0.0 0.0
lab*tc 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 (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 53.21 0.04 0.0
LAB*LABa 53.21 0.04 0.0
LAB*LABb 50.00 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*tr 0.5 0.0 0.0
lab*tc 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 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.07 0.01
LAB*LABa 32.11 0.07 0.01
LAB*LABb 25.00 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*tr 0.25 0.0 0.0
lab*tc 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 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*LABb 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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 0.01 0.01 0.0
LAB*LABa 0.01 0.01 0.0
LAB*LABb 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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 0.01 0.01 0.0
LAB*LABa 0.01 0.01 0.0
LAB*LABb 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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 0.01 0.01 0.0
LAB*LABa 0.01 0.01 0.0
LAB*LABb 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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 0.01 0.01 0.0
LAB*LABa 0.01 0.01 0.0
LAB*LABb 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

UG580-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

BAM-Prüfvorlage UG58; Farbmetrik-Systeme NCS11a & MRS18bput: $cmo^* set cmyk color$

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: no change compared to input

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

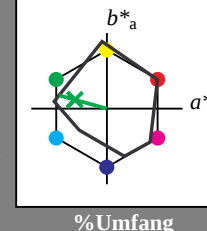
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 91$

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 99.99 0.01 0.0
LAB*LABa 99.99 0.01 0.0
LAB*LABb 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*tr 1.0 0.0 0.0
lab*tc 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 -0.6 3.44
LAB*LABb 75.00 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*tr 0.75 0.0 0.0
lab*tc 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 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.23 2.14
LAB*LABa 56.71 0.23 2.14
LAB*LABb 50.00 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*tr 0.5 0.0 0.0
lab*tc 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 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.0
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.00 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*tr 0.25 0.0 0.0
lab*tc 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 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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 0.01 0.01 0.0
LAB*LABa 0.01 0.01 0.0
LAB*LABb 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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 0.01 0.01 0.0
LAB*LABa 0.01 0.01 0.0
LAB*LABb 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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 0.01 0.01 0.0
LAB*LABa 0.01 0.01 0.0
LAB*LABb 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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 0.01 0.01 0.0
LAB*LABa 0.01 0.01 0.0
LAB*LABb 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

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

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

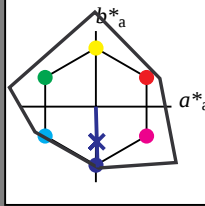
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 149$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 95.41 0.0 -0.01
LAB*Lab 95.41 0.0 0.0
LAB*TCh 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 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*ntrc 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)
LAB*LAB 74.31 0.02 0.0
LAB*Lab 74.31 0.02 0.0
LAB*TCh 75.0 0.01 -

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 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*trc 0.75 0.0 0.0
lab*ntrc 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 53.21 0.04 0.0
LAB*Lab 53.21 0.04 0.0
LAB*TCh 50.0 0.01 -

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 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*trc 0.5 0.0 0.0
lab*ntrc 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 32.11 0.07 0.01
LAB*Lab 32.11 0.07 0.01
LAB*TCh 25.0 0.01 -

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 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*ntrc 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)
LAB*LAB 11.01 0.07 0.01
LAB*Lab 11.01 0.07 0.01
LAB*TCh 0.01 0.01 -

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*ntrc 1.0 0.0 -

$n^* = 1.0$

NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	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

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 0.5 0.508 1.0 (1.0)
cmyn3* 0.5 0.492 0.0 (0.0)
olvi4* 0.5 0.508 1.0 (1.0)
cmyn4* 0.5 0.492 0.0 (0.0)
LAB*LAB 72.29 1.17 -40.21
LAB*Lab 72.29 1.17 -40.21
LAB*TCh 75.0 40.24 271.66

relative CIELAB lab*
lab*lab 0.726 0.014 -0.499
lab*ch 0.75 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.726 0.0 -0.499
lab*trc 0.75 0.5 0.755
lab*ntrc 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.25 0.258 0.75 (1.0)
cmyn3* 0.75 0.742 0.25 (0.0)
olvi4* 0.5 0.508 1.0 (1.0)
cmyn4* 0.5 0.492 0.0 (0.0)
LAB*LAB 51.19 1.17 -40.21
LAB*Lab 51.19 1.17 -40.21
LAB*TCh 50.0 40.24 271.66

relative CIELAB lab*
lab*lab 0.476 0.015 -0.499
lab*ch 0.5 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.476 0.0 -0.499
lab*trc 0.5 0.5 0.755
lab*ntrc 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.018 0.75 (1.0)
cmyn3* 1.0 0.988 0.25 (0.0)
olvi4* 0.25 0.262 1.0 (1.0)
cmyn4* 0.75 0.738 0.0 (0.0)
LAB*LAB 30.69 1.24 -60.33
LAB*Lab 30.69 1.24 -60.33
LAB*TCh 37.51 60.36 271.67

relative CIELAB lab*
lab*lab 0.339 0.022 -0.749
lab*ch 0.375 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*trj 0.339 0.0 -0.749
lab*trc 0.375 0.75 0.755
lab*ntrc 0.0 0.75 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.092 0.5 (0.0)
cmyn3* 0.5 0.368 1.0 (0.5)
olvi4* 0.5 0.508 1.0 (1.0)
cmyn4* 0.5 0.492 0.0 (0.0)
LAB*LAB 30.09 1.18 -40.21
LAB*Lab 30.09 1.18 -40.21
LAB*TCh 25.01 40.24 271.67

relative CIELAB lab*
lab*lab 0.226 0.015 -0.499
lab*ch 0.25 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.226 0.0 -0.499
lab*trc 0.25 0.5 0.755
lab*ntrc 0.0 0.5 0.755

$n^* = 0.50$

relative Inform. Technology (IT)
olvi3* 0.25 0.262 1.0 (1.0)
cmyn3* 0.75 0.738 0.0 (0.0)
olvi4* 0.25 0.262 1.0 (1.0)
cmyn4* 0.75 0.738 0.0 (0.0)
LAB*LAB 60.73 1.79 -60.32
LAB*Lab 60.73 1.79 -60.32
LAB*TCh 62.5 60.36 271.66

relative CIELAB lab*
lab*lab 0.589 0.022 -0.749
lab*ch 0.625 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*trj 0.589 0.0 -0.749
lab*trc 0.625 0.75 0.755
lab*ntrc 0.0 0.75 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.018 0.75 (1.0)
cmyn3* 1.0 0.988 0.25 (0.0)
olvi4* 0.25 0.262 1.0 (1.0)
cmyn4* 0.75 0.738 0.0 (0.0)
LAB*LAB 30.69 1.24 -60.33
LAB*Lab 30.69 1.24 -60.33
LAB*TCh 37.51 60.36 271.67

relative CIELAB lab*
lab*lab 0.339 0.022 -0.749
lab*ch 0.375 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*trj 0.339 0.0 -0.749
lab*trc 0.375 0.75 0.755
lab*ntrc 0.0 0.75 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.018 0.75 (1.0)
cmyn3* 1.0 0.988 0.25 (0.0)
olvi4* 0.25 0.262 1.0 (1.0)
cmyn4* 0.75 0.738 0.0 (0.0)
LAB*LAB 30.69 1.24 -60.33
LAB*Lab 30.69 1.24 -60.33
LAB*TCh 37.51 60.36 271.67

relative CIELAB lab*
lab*lab 0.339 0.022 -0.749
lab*ch 0.375 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*trj 0.339 0.0 -0.749
lab*trc 0.375 0.75 0.755
lab*ntrc 0.0 0.75 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.018 0.75 (1.0)
cmyn3* 1.0 0.988 0.25 (0.0)
olvi4* 0.25 0.262 1.0 (1.0)
cmyn4* 0.75 0.738 0.0 (0.0)
LAB*LAB 30.69 1.24 -60.33
LAB*Lab 30.69 1.24 -60.33
LAB*TCh 37.51 60.36 271.67

$n^* = 0.00$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

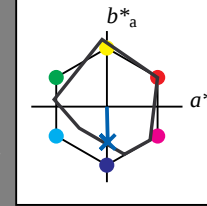
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 91$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 95.41 -0.97 4.75
LAB*Lab 95.41 0.0 0.0
LAB*TCh 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 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*ntrc 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)
LAB*LAB 76.06 -0.344
LAB*Lab 76.06 0.0 0.0
LAB*TCh 75.0 0.01 -

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 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*trc 0.75 0.0 0.0
lab*ntrc 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 56.71 0.23 2.14
LAB*Lab 56.71 0.23 2.14
LAB*TCh 50.0 0.01 -

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 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*trc 0.5 0.0 0.0
lab*ntrc 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 37.36 0.13 0.83
LAB*Lab 37.36 0.13 0.83
LAB*TCh 25.0 0.01 -

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 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*ntrc 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)
LAB*LAB 18.02 0.5 0.46
LAB*Lab 18.02 0.5 0.46
LAB*TCh 0.01 0.01 -

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*ntrc 1.0 0.0 -

$n^* = 1.0$

relative Buntheit c^*

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* 0.5 0.592 0.75 (1.0)
cmyn3* 0.5 0.408 0.25 (0.0)
olvi4* 0.75 0.842 1.0 (1.0)
cmyn4* 0.25 0.158 0.0 (0.0)
LAB*LAB 67.57 0.17 -22.28
LAB*Lab 67.57 0.17 -22.28
LAB*TCh 75.0 25.18 271.4

relative CIELAB lab*
lab*lab 0.64 0.012 -0.499
lab*ch 0.75 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*trj 0.64 0.0 -0.499
lab*trc 0.75 0.5 0.754
lab*ntrc 0.0 0.5 0.754

relative Inform. Technology (IT)
olvi3* 0.25 0.296 0.75 (1.0)
cmyn3* 0.75 0.704 0.25 (0.0)
olvi4* 0.5 0.592 1.0 (1.0)
cmyn4* 0.5 0.408 0.0 (0.0)
LAB*LAB 48.22 0.54 -23.59
LAB*Lab 48.22 0.54 -23.59
LAB*TCh 50.0 25.18 271.4

relative CIELAB lab*
lab*lab 0.46 0.018 -0.749
lab*ch 0.625 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*trj 0.46 0.0 -0.749
lab*trc 0.625 0.75 0.754
lab*ntrc 0.0 0.75 0.754

relative Inform. Technology (IT)
olvi3* 0.0 0.018 0.75 (1.0)
cmyn3* 1.0 0.988 0.25 (0.0)
olvi4* 0.25 0.262 1.0 (1.0)
cmyn4* 0.75 0.738 0.0 (0.0)
LAB*LAB 37.36 0.13 0.83
LAB*Lab 37.36 0.13 0.83
LAB*TCh 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.339 0.022 -0.749
lab*ch 0.375 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*trj 0.339 0.0 -0.749
lab*trc 0.375 0.75 0.755
lab*ntrc 0.0 0.75 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.092 0.5 (0.0)
cmyn3* 1.0 0.908 0.75 (0.0)
olvi4* 0.5 0.592 1.0 (1.0)
cmyn4* 0.5 0.408 0.0 (0.0)
LAB*LAB 28.87 0.26 -25.16
LAB*Lab 28.87 0.26 -25.16
LAB*TCh 25.01 25.18 271.41

relative CIELAB lab*
lab*lab 0.211 0.018 -0.749
lab*ch 0.375 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*trj 0.211 0.0 -0.749
lab*trc 0.375 0.75 0.754
lab*ntrc 0.0 0.75 0.754

$n^* = 0.50$

relative Inform. Technology (IT)
olvi3* 0.25 0.262 1.0 (1.0)
cmyn3* 0.75 0.738 0.0 (0.0)
olvi4* 0.25 0.262 1.0 (1.0)
cmyn4* 0.75 0.738 0.0 (0.0)
LAB*LAB 60.73 1.79 -60.32
LAB*Lab 60.73 1.79 -60.32
LAB*TCh 62.5 60.36 271.66

relative CIELAB lab*
lab*lab 0.589 0.022 -0.749
lab*ch 0.625 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*trj 0.589 0.0 -0.749
lab*trc 0.625 0.75 0.755
lab*ntrc 0.0 0.75 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.018 0.75 (1.0)
cmyn3* 1.0 0.988 0.25 (0.0)
olvi4* 0.25 0.262 1.0 (1.0)
cmyn4* 0.75 0.738 0.0 (0.0)
LAB*LAB 30.69 1.24 -60.33
LAB*Lab 30.69 1.24 -60.33
LAB*TCh 37.51 60.36 271.67

relative CIELAB lab*
lab*lab 0.339 0.022 -0.749
lab*ch 0.375 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*trj 0.339 0.0 -0.749
lab*trc 0.375 0.75 0.755
lab*ntrc 0.0 0.75 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.018 0.75 (1.0)
cmyn3* 1.0 0.988 0.25 (0.0)
olvi4* 0.25 0.262 1.0 (1.0)
cmyn4* 0.75 0.738 0.0 (0.0)
LAB*LAB 30.69 1.24 -60.33
LAB*Lab 30.69 1.24 -60.33
LAB*TCh 37.51 60.36 271.67