

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 94/360 = 0.261$

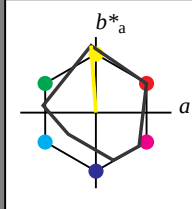
lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 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 95.41 -0.97 47.5
LAB*LAB 95.41 0.0 0.0
LAB*TCRa 99.99 0.01

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*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*nce 1.0 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*TCRa 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 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*nce 0.75 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*LAB 56.71 0.0 0.0
LAB*TCRa 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 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*nce 0.5 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 -0.38 0.83
LAB*LAB 37.36 0.0 0.0
LAB*TCRa 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 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*nce 0.25 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*LAB 18.02 0.0 0.0
LAB*TCRa 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*nce 0.0 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 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 93.05 -4.11 48.97
LAB*LAB 93.05 -3.17 44.37
LAB*TCRa 75.0 44.81 94.1

relative CIELAB lab*
lab*lab 0.969 -0.035 0.499
lab*ch 0.75 0.5 0.261
lab*nch 0.0 0.5 0.261
relative Natural Colour (NC)
lab*trj 0.969 -0.035 0.499
lab*nce 0.75 0.5 0.261

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 91.87 -5.68 71.07
LAB*LAB 91.87 -4.77 66.55
LAB*TCRa 62.5 66.73 94.1

relative CIELAB lab*
lab*lab 0.954 -0.053 0.748
lab*ch 0.625 0.75 0.261
lab*nch 0.0 0.75 0.261
relative Natural Colour (NC)
lab*trj 0.954 -0.053 0.748
lab*nce 0.625 0.75 0.261

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 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.7 -3.74 47.67
LAB*LAB 73.7 -3.17 44.38
LAB*TCRa 50.0 44.81 94.1

relative CIELAB lab*
lab*lab 0.72 -0.023 0.499
lab*ch 0.5 0.5 0.261
lab*nch 0.0 0.5 0.261
relative Natural Colour (NC)
lab*trj 0.72 -0.023 0.499
lab*nce 0.5 0.5 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.5 (1.0)
cmyn3* 0.75 0.75 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 44.35 -3.37 44.38
LAB*LAB 44.35 -3.17 44.38
LAB*TCRa 25.01 44.81 94.1

relative CIELAB lab*
lab*lab 0.47 -0.035 0.499
lab*ch 0.25 0.5 0.261
lab*nch 0.0 0.5 0.261
relative Natural Colour (NC)
lab*trj 0.47 -0.035 0.499
lab*nce 0.25 0.5 0.261

$n^* = 0.50$

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 91/360 = 0.252$

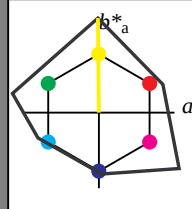
lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 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*LAB 95.41 0.0 0.0
LAB*TCRa 99.99 0.01

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*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*nce 1.0 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 0.0 0.0
LAB*TCRa 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 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*nce 0.75 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*LAB 53.21 0.0 0.0
LAB*TCRa 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 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.5 (1.0)
cmyn3* 0.75 0.75 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 32.19 -0.27 31.27
LAB*LAB 32.19 -0.31 31.26
LAB*TCRa 37.5 31.26 90.59

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*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.01
LAB*LAB 11.01 0.0 0.0
LAB*TCRa 0.0 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*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*nce 0.0 0.0 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* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 93.38 -0.63 62.5
LAB*LAB 93.38 -0.63 62.5
LAB*TCRa 75.0 62.5 90.59

relative CIELAB lab*
lab*lab 0.976 -0.004 0.5
lab*ch 0.75 0.5 0.252
lab*nch 0.0 0.5 0.252
relative Natural Colour (NC)
lab*trj 0.976 0.02 0.499
lab*nce 0.75 0.5 0.252

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 72.29 -0.6 62.52
LAB*LAB 72.29 -0.63 62.51
LAB*TCRa 50.0 62.52 90.59

relative CIELAB lab*
lab*lab 0.726 -0.004 0.5
lab*ch 0.5 0.5 0.252
lab*nch 0.0 0.5 0.252
relative Natural Colour (NC)
lab*trj 0.726 0.02 0.5
lab*nce 0.5 0.5 0.252

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 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 51.18 -0.27 31.27
LAB*LAB 51.18 -0.31 31.26
LAB*TCRa 37.5 31.26 90.59

relative CIELAB lab*
lab*lab 0.488 -0.004 0.5
lab*ch 0.375 0.5 0.252
lab*nch 0.0 0.5 0.252
relative Natural Colour (NC)
lab*trj 0.488 0.01 0.499
lab*nce 0.375 0.5 0.252

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.5 (1.0)
cmyn3* 0.75 0.75 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 31.05 -0.25 31.26
LAB*LAB 31.05 -0.31 31.24
LAB*TCRa 12.5 31.25 90.59

relative CIELAB lab*
lab*lab 0.238 -0.002 0.5
lab*ch 0.125 0.5 0.252
lab*nch 0.0 0.5 0.252
relative Natural Colour (NC)
lab*trj 0.238 0.01 0.499
lab*nce 0.125 0.5 0.252

$n^* = 0.50$

BAM-Prüfvorlage UG53; Farbmetrik-Systeme ORS18 & ORS18input: cmy0* setcmykcolor

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttoninput: Startup (S) data dependend

5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.261 (links)

5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.252 (rechts)

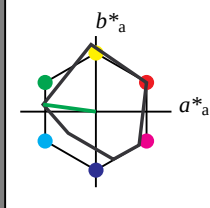
Eingabe: Farbmetrisches Reflexions-System MRS18

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)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*Lab 95.41 -0.97 4.75
LAB*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*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB
LAB*Lab 76.06 -0.6 3.44
LAB*Lab 76.06 0.0 0.0
LAB*Lab 76.06 0.0 0.0
LAB*Lab 76.06 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.75 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.75 0.75 0.75 (1.0)

standard and adapted CIELAB
LAB*Lab 56.71 -0.23 2.14
LAB*Lab 56.71 0.0 0.0
LAB*Lab 56.71 0.0 0.0
LAB*Lab 56.71 0.0 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)
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)

standard and adapted CIELAB
LAB*Lab 37.36 -0.03 0.83
LAB*Lab 37.36 0.0 0.0
LAB*Lab 37.36 0.0 0.0
LAB*Lab 37.36 0.0 0.0

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

standard and adapted CIELAB
LAB*Lab 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0

relative 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*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*Lab 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*Lab 18.02 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
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

$u^*_{rel} = 91$

%Schwarzheit n^*

$n^* = 0.00$

%relative Buntheit c^*

$c^* = 0.25$

%relative Buntheit c^*

$c^* = 0.50$

%relative Buntheit c^*

$c^* = 0.75$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.00$

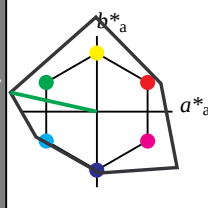
Ausgabe: Farbmetrisches Reflexions-System NCS11

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^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*Lab 95.41 -0.97 4.75
LAB*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*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB
LAB*Lab 74.31 0.02 0.0
LAB*Lab 74.31 0.0 0.0
LAB*Lab 74.31 0.0 0.0
LAB*Lab 74.31 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.75 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.75 0.75 0.75 (1.0)

standard and adapted CIELAB
LAB*Lab 74.31 0.02 0.0
LAB*Lab 74.31 0.0 0.0
LAB*Lab 74.31 0.0 0.0
LAB*Lab 74.31 0.0 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)
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)

standard and adapted CIELAB
LAB*Lab 52.21 0.04 0.0
LAB*Lab 52.21 0.0 0.0
LAB*Lab 52.21 0.0 0.0
LAB*Lab 52.21 0.0 0.0

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

standard and adapted CIELAB
LAB*Lab 32.11 0.01 0.0
LAB*Lab 32.11 0.0 0.0
LAB*Lab 32.11 0.0 0.0
LAB*Lab 32.11 0.0 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*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
LAB*Lab 11.01 0.0
LAB*Lab 11.01 0.0 0.0
LAB*Lab 11.01 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

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

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

%Umfang

$u^*_{rel} = 149$

%Schwarzheit n^*

$n^* = 0.00$

%relative Buntheit c^*

$c^* = 0.25$

%relative Buntheit c^*

$c^* = 0.50$

%relative Buntheit c^*

$c^* = 0.75$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.00$

%relative Buntheit c^*

$c^* = 1.00$

UG530-7, 5 stufige Reihen für konstanten CIELAB Buntton 172/360 = 0.479 (links)

5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (rechts)

BAM-Prüfvorlage UG53; Farbmetrik-Systeme ORS18 & ORS18input: `cmY0* setcmYcolor`

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen

Distiller Startup (S) data dependend

Eingabe: Farbmetrisches Reflexions-System MRS18

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

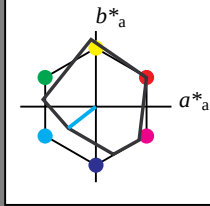
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%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)

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

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (0.0)

olvi4* 0.5 0.5 0.5 (0.0)

olvi5* 0.5 0.5 0.5 (0.0)

olvi6* 0.5 0.5 0.5 (0.0)

olvi7* 0.5 0.5 0.5 (0.0)

olvi8* 0.5 0.5 0.5 (0.0)

olvi9* 0.5 0.5 0.5 (0.0)

olvi10* 0.5 0.5 0.5 (0.0)

olvi11* 0.5 0.5 0.5 (0.0)

olvi12* 0.5 0.5 0.5 (0.0)

olvi13* 0.5 0.5 0.5 (0.0)

olvi14* 0.5 0.5 0.5 (0.0)

olvi15* 0.5 0.5 0.5 (0.0)

olvi16* 0.5 0.5 0.5 (0.0)

olvi17* 0.5 0.5 0.5 (0.0)

olvi18* 0.5 0.5 0.5 (0.0)

olvi19* 0.5 0.5 0.5 (0.0)

olvi20* 0.5 0.5 0.5 (0.0)

olvi21* 0.5 0.5 0.5 (0.0)

olvi22* 0.5 0.5 0.5 (0.0)

olvi23* 0.5 0.5 0.5 (0.0)

olvi24* 0.5 0.5 0.5 (0.0)

olvi25* 0.5 0.5 0.5 (0.0)

olvi26* 0.5 0.5 0.5 (0.0)

olvi27* 0.5 0.5 0.5 (0.0)

olvi28* 0.5 0.5 0.5 (0.0)

olvi29* 0.5 0.5 0.5 (0.0)

olvi30* 0.5 0.5 0.5 (0.0)

olvi31* 0.5 0.5 0.5 (0.0)

%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (0.0)

olvi4* 0.5 0.5 0.5 (0.0)

olvi5* 0.5 0.5 0.5 (0.0)

olvi6* 0.5 0.5 0.5 (0.0)

olvi7* 0.5 0.5 0.5 (0.0)

olvi8* 0.5 0.5 0.5 (0.0)

olvi9* 0.5 0.5 0.5 (0.0)

olvi10* 0.5 0.5 0.5 (0.0)

olvi11* 0.5 0.5 0.5 (0.0)

olvi12* 0.5 0.5 0.5 (0.0)

olvi13* 0.5 0.5 0.5 (0.0)

olvi14* 0.5 0.5 0.5 (0.0)

olvi15* 0.5 0.5 0.5 (0.0)

olvi16* 0.5 0.5 0.5 (0.0)

olvi17* 0.5 0.5 0.5 (0.0)

olvi18* 0.5 0.5 0.5 (0.0)

olvi19* 0.5 0.5 0.5 (0.0)

olvi20* 0.5 0.5 0.5 (0.0)

olvi21* 0.5 0.5 0.5 (0.0)

olvi22* 0.5 0.5 0.5 (0.0)

olvi23* 0.5 0.5 0.5 (0.0)

olvi24* 0.5 0.5 0.5 (0.0)

olvi25* 0.5 0.5 0.5 (0.0)

olvi26* 0.5 0.5 0.5 (0.0)

olvi27* 0.5 0.5 0.5 (0.0)

olvi28* 0.5 0.5 0.5 (0.0)

olvi29* 0.5 0.5 0.5 (0.0)

olvi30* 0.5 0.5 0.5 (0.0)

olvi31* 0.5 0.5 0.5 (0.0)

%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (0.0)

olvi4* 0.5 0.5 0.5 (0.0)

olvi5* 0.5 0.5 0.5 (0.0)

olvi6* 0.5 0.5 0.5 (0.0)

olvi7* 0.5 0.5 0.5 (0.0)

olvi8* 0.5 0.5 0.5 (0.0)

olvi9* 0.5 0.5 0.5 (0.0)

olvi10* 0.5 0.5 0.5 (0.0)

olvi11* 0.5 0.5 0.5 (0.0)

olvi12* 0.5 0.5 0.5 (0.0)

olvi13* 0.5 0.5 0.5 (0.0)

olvi14* 0.5 0.5 0.5 (0.0)

olvi15* 0.5 0.5 0.5 (0.0)

olvi16* 0.5 0.5 0.5 (0.0)

olvi17* 0.5 0.5 0.5 (0.0)

olvi18* 0.5 0.5 0.5 (0.0)

olvi19* 0.5 0.5 0.5 (0.0)

olvi20* 0.5 0.5 0.5 (0.0)

olvi21* 0.5 0.5 0.5 (0.0)

olvi22* 0.5 0.5 0.5 (0.0)

olvi23* 0.5 0.5 0.5 (0.0)

olvi24* 0.5 0.5 0.5 (0.0)

olvi25* 0.5 0.5 0.5 (0.0)

olvi26* 0.5 0.5 0.5 (0.0)

olvi27* 0.5 0.5 0.5 (0.0)

olvi28* 0.5 0.5 0.5 (0.0)

olvi29* 0.5 0.5 0.5 (0.0)

olvi30* 0.5 0.5 0.5 (0.0)

olvi31* 0.5 0.5 0.5 (0.0)

%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (0.0)

olvi4* 0.5 0.5 0.5 (0.0)

olvi5* 0.5 0.5 0.5 (0.0)

olvi6* 0.5 0.5 0.5 (0.0)

olvi7* 0.5 0.5 0.5 (0.0)

olvi8* 0.5 0.5 0.5 (0.0)

olvi9* 0.5 0.5 0.5 (0.0)

olvi10* 0.5 0.5 0.5 (0.0)

olvi11* 0.5 0.5 0.5 (0.0)

olvi12* 0.5 0.5 0.5 (0.0)

olvi13* 0.5 0.5 0.5 (0.0)

olvi14* 0.5 0.5 0.5 (0.0)

olvi15* 0.5 0.5 0.5 (0.0)

olvi16* 0.5 0.5 0.5 (0.0)

olvi17* 0.5 0.5 0.5 (0.0)

olvi18* 0.5 0.5 0.5 (0.0)

olvi19* 0.5 0.5 0.5 (0.0)

olvi20* 0.5 0.5 0.5 (0.0)

olvi21* 0.5 0.5 0.5 (0.0)

olvi22* 0.5 0.5 0.5 (0.0)

olvi23* 0.5 0.5 0.5 (0.0)

olvi24* 0.5 0.5 0.5 (0.0)

olvi25* 0.5 0.5 0.5 (0.0)

olvi26* 0.5 0.5 0.5 (0.0)

olvi27* 0.5 0.5 0.5 (0.0)

olvi28* 0.5 0.5 0.5 (0.0)

olvi29* 0.5 0.5 0.5 (0.0)

olvi30* 0.5 0.5 0.5 (0.0)

olvi31* 0.5 0.5 0.5 (0.0)

%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (0.0)

olvi4* 0.5 0.5 0.5 (0.0)

olvi5* 0.5 0.5 0.5 (0.0)

olvi6* 0.5 0.5 0.5 (0.0)

olvi7* 0.5 0.5 0.5 (0.0)

olvi8* 0.5 0.5 0.5 (0.0)

olvi9* 0.5 0.5 0.5 (0.0)

olvi10* 0.5 0.5 0.5 (0.0)

olvi11* 0.5 0.5 0.5 (0.0)

olvi12* 0.5 0.5 0.5 (0.0)

olvi13* 0.5 0.5 0.5 (0.0)

olvi14* 0.5 0.5 0.5 (0.0)

olvi15* 0.5 0.5 0.5 (0.0)

olvi16* 0.5 0.5 0.5 (0.0)

olvi17* 0.5 0.5 0.5 (0.0)

olvi18* 0.5 0.5 0.5 (0.0)

olvi19* 0.5 0.5 0.5 (0.0)

olvi20* 0.5 0.5 0.5 (0.0)

olvi21* 0.5 0.5 0.5 (0.0)

olvi22* 0.5 0.5 0.5 (0.0)

olvi23* 0.5 0.5 0.5 (0.0)

olvi24* 0.5 0.5 0.5 (0.0)

olvi25* 0.5 0.5 0.5 (0.0)

olvi26* 0.5 0.5 0.5 (0.0)

olvi27* 0.5 0.5 0.5 (0.0)

olvi28* 0.5 0.5 0.5 (0.0)

olvi29* 0.5 0.5 0.5 (0.0)

olvi30* 0.5 0.5 0.5 (0.0)

olvi31* 0.5 0.5 0.5 (0.0)

%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (0.0)

olvi4* 0.5 0.5 0.5 (0.0)

olvi5* 0.5 0.5 0.5 (0.0)

Eingabe: Farbmetrisches Reflexions-System MRS18

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

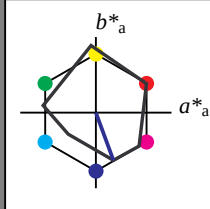
lab^*ch und lab^*nch

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)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 80.72 5.1 -11.98
LAB*LABa 66.03 11.29 -31.51
LAB*LABb 80.72 5.1 -11.98
LAB*LABc 80.72 5.1 -11.98

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 66.03 11.29 -31.51
LAB*LABa 66.03 11.29 -31.51
LAB*LABb 66.03 11.29 -31.51
LAB*LABc 66.03 11.29 -31.51

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 0.25 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 51.34 17.39 -47.28
LAB*LABa 51.34 17.39 -47.28
LAB*LABb 51.34 17.39 -47.28
LAB*LABc 51.34 17.39 -47.28

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.65 23.19 -63.05
LAB*LABa 36.65 23.19 -63.05
LAB*LABb 36.65 23.19 -63.05
LAB*LABc 36.65 23.19 -63.05

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.01 0.0 0.0
LAB*LABa 18.01 0.0 0.0
LAB*LABb 18.01 0.0 0.0
LAB*LABc 18.01 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 9.51 0.0 -0.01
LAB*LABa 9.51 0.0 -0.01
LAB*LABb 9.51 0.0 -0.01
LAB*LABc 9.51 0.0 -0.01

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

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

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

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

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

Ausgabe: Farbmetrisches Reflexions-System NCS11

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

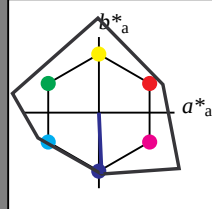
lab^*ch und lab^*nch

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)
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 -0.01
LAB*LABb 95.41 0.0 -0.01
LAB*LABc 95.41 0.0 -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* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 80.72 5.1 -11.98
LAB*LABa 66.03 11.29 -31.51
LAB*LABb 80.72 5.1 -11.98
LAB*LABc 80.72 5.1 -11.98

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 66.03 11.29 -31.51
LAB*LABa 66.03 11.29 -31.51
LAB*LABb 66.03 11.29 -31.51
LAB*LABc 66.03 11.29 -31.51

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 0.25 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 51.34 17.39 -47.28
LAB*LABa 51.34 17.39 -47.28
LAB*LABb 51.34 17.39 -47.28
LAB*LABc 51.34 17.39 -47.28

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.65 23.19 -63.05
LAB*LABa 36.65 23.19 -63.05
LAB*LABb 36.65 23.19 -63.05
LAB*LABc 36.65 23.19 -63.05

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.01 0.0 0.0
LAB*LABa 18.01 0.0 0.0
LAB*LABb 18.01 0.0 0.0
LAB*LABc 18.01 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 9.51 0.0 -0.01
LAB*LABa 9.51 0.0 -0.01
LAB*LABb 9.51 0.0 -0.01
LAB*LABc 9.51 0.0 -0.01

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

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

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

UG530-7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (links)

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (rechts)

BAM-Prüfvorlage UG53; Farbmetrik-Systeme ORS18 & ORS18input: `cmY0* setcmykcolor`

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: Startup (S) data dependend

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 322/360 = 0.895$

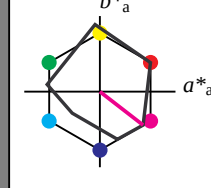
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
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*TCa 99.99 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 76.06 -0.6 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.885 0.198 -0.152
lab*tch 0.875 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.885 0.162 -0.189
lab*tce 0.875 0.25 0.862
lab*nce 0.0 0.25 0.844

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 56.71 -0.23 2.14
LAB*Lab 56.71 0.0 0.0
LAB*TCa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.25 0.5 (1.0)
lab*tch 0.625 0.25 0.895
lab*nch 0.25 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.555 0.162 -0.189
lab*tce 0.625 0.25 0.862
lab*nce 0.25 0.25 0.844

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 0.0 0.0
LAB*TCa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*tch 0.5 0.5 0.5 (0.0)
lab*nch 0.0 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.0
lab*tce 0.5 0.5 0.0
lab*nce 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 37.26 -0.3 0.83
LAB*Lab 37.26 0.0 0.0
LAB*TCa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.305 0.198 -0.152
lab*tch 0.375 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.305 0.162 -0.189
lab*tce 0.375 0.25 0.862
lab*nce 0.5 0.25 0.844

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 37.26 -0.3 0.83
LAB*Lab 37.26 0.0 0.0
LAB*TCa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.305 0.198 -0.152
lab*tch 0.375 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.305 0.162 -0.189
lab*tce 0.375 0.25 0.862
lab*nce 0.5 0.25 0.844

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 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.055 0.198 -0.152
lab*tch 0.125 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.055 0.162 -0.189
lab*tce 0.125 0.25 0.862
lab*nce 0.75 0.25 0.844

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 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.055 0.198 -0.152
lab*tch 0.125 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.055 0.162 -0.189
lab*tce 0.125 0.25 0.862
lab*nce 0.75 0.25 0.844

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 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.055 0.198 -0.152
lab*tch 0.125 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.055 0.162 -0.189
lab*tce 0.125 0.25 0.862
lab*nce 0.75 0.25 0.844

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 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.055 0.198 -0.152
lab*tch 0.125 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.055 0.162 -0.189
lab*tce 0.125 0.25 0.862
lab*nce 0.75 0.25 0.844

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 0.5 1.0 (1.0)	cmyn3* 0.0 0.5 0.0 (0.0)	olvi4* 1.0 0.5 1.0 (1.0)	cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB	LAB*LAB 80.29 13.6 -7.31	LAB*Lab 80.29 14.29 -11.05	LAB*TCa 87.5 18.07 322.25	
relative CIELAB lab*	lab*lab 0.609 0.395 -0.305	lab*tch 0.75 0.5 0.895	lab*nch 0.0 0.5 0.895	
relative Natural Colour (NC)	lab*trj 0.609 0.324 -0.38	lab*tce 0.75 0.5 0.862	lab*nce 0.0 0.5 0.844	

relative Inform. Technology (IT)	olvi3* 0.75 0.25 0.75 (1.0)	cmyn3* 0.25 0.75 0.25 (0.0)	olvi4* 1.0 0.5 1.0 (1.0)	cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB	LAB*LAB 65.17 28.58 -19.4	LAB*Lab 65.17 28.58 -22.12	LAB*TCa 75.0 36.15 322.25	
relative CIELAB lab*	lab*lab 0.609 0.395 -0.305	lab*tch 0.75 0.5 0.895	lab*nch 0.0 0.5 0.895	
relative Natural Colour (NC)	lab*trj 0.609 0.324 -0.38	lab*tce 0.75 0.5 0.862	lab*nce 0.0 0.5 0.844	

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 50.06 42.76 -31.48	LAB*Lab 50.06 42.76 -33.19	LAB*TCa 62.5 54.22 322.25	
relative CIELAB lab*	lab*lab 0.414 0.593 -0.458	lab*tch 0.625 0.75 0.895	lab*nch 0.0 0.75 0.895	
relative Natural Colour (NC)	lab*trj 0.414 0.486 -0.57	lab*tce 0.625 0.75 0.862	lab*nce 0.0 0.75 0.844	

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 30.72 43.13 -32.79	LAB*Lab 30.72 43.13 -33.19	LAB*TCa 37.51 54.22 322.25	
relative CIELAB lab*	lab*lab 0.164 0.593 -0.458	lab*tch 0.375 0.75 0.895	lab*nch 0.0 0.75 0.895	
relative Natural Colour (NC)	lab*trj 0.164 0.486 -0.57	lab*tce 0.375 0.75 0.862	lab*nce 0.0 0.75 0.844	

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 26.48 28.52 -22.01	LAB*Lab 26.48 28.52 -22.12	LAB*TCa 25.01 36.15 322.25	
relative CIELAB lab*	lab*lab 0.109 0.395 -0.305	lab*tch 0.25 0.5 0.895	lab*nch 0.0 0.5 0.895	
relative Natural Colour (NC)	lab*trj 0.109 0.324 -0.38	lab*tce 0.25 0.5 0.862	lab*nce 0.0 0.5 0.844	

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*TCa 0.01 0.01 -	
relative CIELAB lab*	lab*lab 0.055 0.198 -0.152	lab*tch 0.125 0.25 0.895	lab*nch 0.0 0.25 0.895	
relative Natural Colour (NC)	lab*trj 0.055 0.162 -0.189	lab*tce 0.125 0.25 0.862	lab*nce 0.75 0.25 0.844	

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*TCa 0.01 0.01 -	
relative CIELAB lab*	lab*lab 0.055 0.198 -0.152	lab*tch 0.125 0.25 0.895	lab*nch 0.0 0.25 0.895	
relative Natural Colour (NC)	lab*trj 0.055 0.162 -0.189	lab*tce 0.125 0.25 0.862	lab*nce 0.75 0.25 0.844	

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*TCa 0.01 0.01 -	
relative CIELAB lab*	lab*lab 0.055 0.198 -0.152	lab*tch 0.125 0.25 0.895	lab*nch 0.0 0.25 0.895	
relative Natural Colour (NC)	lab*trj 0.055 0.162 -0.189	lab*tce 0.125 0.25 0.862	lab*nce 0.75 0.25 0.844	

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*TCa 0.01 0.01 -	
relative CIELAB lab*	lab*lab 0.055 0.198 -0.152	lab*tch 0.125 0.25 0.895	lab*nch 0.0 0.25 0.895	
relative Natural Colour (NC)	lab*trj 0.055 0.162 -0.189	lab*tce 0.125 0.25 0.862	lab*nce 0.75 0.25 0.844	

Ausgabe: Farbmetrisches Reflexions-System NCS11

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

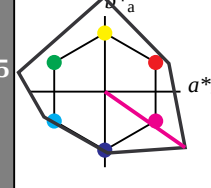
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 149$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
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*TCa 99.99 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 76.06 -0.6 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.885 0.198 -0.152
lab*tch 0.875 0.25 0.903
lab*nch 0.0 0.25 0.903
relative Natural Colour (NC)
lab*trj 0.885 0.168 -0.184
lab*tce 0.875 0.25 0.867
lab*nce 0.0 0.25 0.846

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 0.0 0.0
LAB*TCa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*tch 0.5 0.5 0.5 (0.0)
lab*nch 0.0 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.0
lab*tce 0.5 0.5 0.0
lab*nce 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 37.26 -0.3 0.83
LAB*Lab 37.26 0.0 0.0
LAB*TCa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.305 0.198 -0.152
lab*tch 0.375 0.25 0.903
lab*nch 0.0 0.25 0.903
relative Natural Colour (NC)
lab*trj 0.305 0.168 -0.184
lab*tce 0.375 0.25 0.867
lab*nce 0.5 0.25 0.846

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 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.055 0.198 -0.152
lab*tch 0.125 0.25 0.903
lab*nch 0.0 0.25 0.903
relative Natural Colour (NC)
lab*trj 0.055 0.168 -0.184
lab*tce 0.125 0.25 0.867
lab*nce 0.75 0.25 0.846

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 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.055 0.198 -0.152
lab*tch 0.125 0.25 0.903
lab*nch 0.0 0.25 0.903
relative Natural Colour (NC)
lab*trj 0.055 0.168 -0.184
lab*tce 0.125 0.25 0.867
lab*nce 0.75 0.25 0.846

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 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.055 0.198 -0.152
lab*tch 0.125 0.25 0.903
lab*nch 0.0 0.25 0.903
relative Natural Colour (NC)
lab*trj 0.055 0.168 -0.184
lab*tce 0.125 0.25 0.867
lab*nce 0.75 0.25 0.846

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

Eingabe: Farbmetrisches Reflexions-System MRS18

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

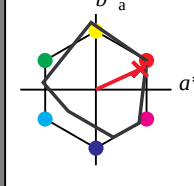
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

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*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 0.0 0.0
LAB*LAB 76.06 0.0 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*ce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LAB 56.71 0.0 0.0
LAB*LAB 56.71 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 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*ce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (0.25)
cmyn4* 0.0 0.0 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 37.36 -0.38 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 37.36 0.0 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*ce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 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*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 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 0.548 (1.0)
cmyn3* 0.0 0.5 0.548 (0.0)
olvi4* 1.0 0.5 0.548 (1.0)
cmyn4* 0.0 0.5 0.548 (0.0)
standard and adapted CIELAB
LAB*LAB 83.6 15.74 11.55
LAB*LAB 83.6 16.5 7.59
LAB*LAB 83.6 16.5 7.59

relative CIELAB lab*
lab*lab 0.847 0.25 0.104
lab*ch 0.875 0.25 0.069
lab*nch 0.0 0.25 0.069
relative Natural Colour (NC)
lab*tr 0.847 0.25 0.0
lab*ce 0.875 0.25 0.0
lab*nce 0.0 0.25 0.069

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.528 (1.0)
cmyn3* 0.25 0.5 0.528 (0.0)
olvi4* 1.0 0.75 0.774 (0.5)
cmyn4* 0.0 0.25 0.226 (0.5)
standard and adapted CIELAB
LAB*LAB 64.26 16.12 10.25
LAB*LAB 64.26 16.5 7.59
LAB*LAB 64.26 16.5 7.59

relative CIELAB lab*
lab*lab 0.598 0.25 0.104
lab*ch 0.625 0.25 0.069
lab*nch 0.0 0.25 0.069
relative Natural Colour (NC)
lab*tr 0.598 0.25 0.0
lab*ce 0.625 0.25 0.0
lab*nce 0.0 0.25 0.069

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.454 (0.0)
cmyn3* 0.5 0.25 0.454 (0.0)
olvi4* 1.0 0.5 0.548 (0.5)
cmyn4* 0.0 0.5 0.548 (0.5)
standard and adapted CIELAB
LAB*LAB 44.31 16.49 8.94
LAB*LAB 44.31 16.5 7.59
LAB*LAB 44.31 16.5 7.59

relative CIELAB lab*
lab*lab 0.348 0.25 0.104
lab*ch 0.375 0.25 0.069
lab*nch 0.0 0.25 0.069
relative Natural Colour (NC)
lab*tr 0.348 0.25 0.0
lab*ce 0.375 0.25 0.0
lab*nce 0.0 0.25 0.069

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.976 (0.0)
olvi4* 1.0 0.75 0.774 (0.25)
cmyn4* 0.0 0.25 0.226 (0.25)
standard and adapted CIELAB
LAB*LAB 25.36 16.86 7.64
LAB*LAB 25.36 16.5 7.59
LAB*LAB 25.36 16.5 7.59

relative CIELAB lab*
lab*lab 0.098 0.227 0.104
lab*ch 0.125 0.25 0.069
lab*nch 0.0 0.25 0.069
relative Natural Colour (NC)
lab*tr 0.098 0.227 0.0
lab*ce 0.125 0.25 0.0
lab*nce 0.0 0.25 0.069

$n^* = 0.50$

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.323 (1.0)
cmyn3* 0.0 0.25 0.323 (0.0)
olvi4* 1.0 0.5 0.548 (0.5)
cmyn4* 0.0 0.5 0.548 (0.5)
standard and adapted CIELAB
LAB*LAB 60.0 49.2 25.13
LAB*LAB 60.0 49.5 22.77
LAB*LAB 60.0 49.5 22.77

relative CIELAB lab*
lab*lab 0.542 0.681 0.313
lab*ch 0.625 0.75 0.069
lab*nch 0.0 0.75 0.069
relative Natural Colour (NC)
lab*tr 0.542 0.75 0.0
lab*ce 0.625 0.75 0.0
lab*nce 0.0 0.75 0.069

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 1.0 0.25 0.323 (0.5)
cmyn4* 0.0 0.25 0.323 (0.5)
standard and adapted CIELAB
LAB*LAB 40.66 49.57 23.94
LAB*LAB 40.66 49.5 22.77
LAB*LAB 40.66 49.5 22.77

relative CIELAB lab*
lab*lab 0.293 0.681 0.313
lab*ch 0.375 0.75 0.069
lab*nch 0.0 0.75 0.069
relative Natural Colour (NC)
lab*tr 0.293 0.75 0.0
lab*ce 0.375 0.75 0.0
lab*nce 0.0 0.75 0.069

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LAB 11.01 0.0 0.0
LAB*LAB 11.01 0.0 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*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 0.25$

$n^* = 0.00$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System NCS11

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

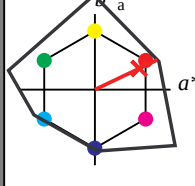
lab^*ch und lab^*nch

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*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*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 0.0 0.0
LAB*LAB 74.31 0.0 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*ce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LAB 53.21 0.0 0.0
LAB*LAB 53.21 0.0 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*ce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (0.25)
cmyn4* 0.0 0.0 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 37.36 -0.38 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 37.36 0.0 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*ce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LAB 11.01 0.0 0.0
LAB*LAB 11.01 0.0 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*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 1.0 0.0 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* 1.0 0.512 0.5 (1.0)
cmyn3* 0.0 0.488 0.5 (0.0)
olvi4* 1.0 0.512 0.5 (1.0)
cmyn4* 0.0 0.488 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 71.81 41.31 19.68
LAB*LAB 71.81 41.28 19.68
LAB*LAB 71.81 41.28 19.68

relative CIELAB lab*
lab*lab 0.72 0.451 0.215
lab*ch 0.75 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*tr 0.72 0.5 0.0
lab*ce 0.75 0.5 0.0
lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.262 0.22 (1.0)
cmyn3* 0.25 0.738 0.75 (0.0)
olvi4* 1.0 0.512 0.5 (0.5)
cmyn4* 0.0 0.488 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 50.71 41.33 19.68
LAB*LAB 50.71 41.29 19.68
LAB*LAB 50.71 41.29 19.68

relative CIELAB lab*
lab*lab 0.451 0.215
lab*ch 0.5 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*tr 0.451 0.5 0.0
lab*ce 0.5 0.5 0.0
lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.1012 0.1 (1.0)
cmyn3* 0.5 0.744 0.75 (0.0)
olvi4* 1.0 0.512 0.5 (0.5)
cmyn4* 0.0 0.488 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 41.4 20.9 9.86
LAB*LAB 41.4 20.64 9.84
LAB*LAB 41.4 20.64 9.84

relative CIELAB lab*
lab*lab 0.375 0.226 0.108
lab*ch 0.375 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*tr 0.375 0.25 0.0
lab*ce 0.375 0.25 0.0
lab*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.006 0.0 (1.0)
cmyn3* 0.75 0.994 1.0 (0.0)
olvi4* 1.0 0.512 0.5 (0.25)
cmyn4* 0.0 0.488 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 20.3 20.64 9.83
LAB*LAB 20.3 20.64 9.83
LAB*LAB 20.3 20.64 9.83

relative CIELAB lab*
lab*lab 0.11 0.226 0.107
lab*ch 0.125 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*tr 0.11 0.226 0.0
lab*ce 0.125 0.25 0.0
lab*nce 0.0 0.25 0.071

$n^* = 0.50$

relative Inform. Technology (IT)
olvi3* 0.75 0.018 0.0 (1.0)
cmyn3* 0.25 0.982 1.0 (0.0)
olvi4* 1.0 0.268 0.25 (0.5)
cmyn4* 0.0 0.732 0.75 (0.5)
standard and adapted CIELAB
LAB*LAB 60.01 61.96 29.53
LAB*LAB 60.01 61.92 29.52
LAB*LAB 60.01 61.92 29.52

relative CIELAB lab*
lab*lab 0.581 0.75 0.001
lab*ch 0.625 0.75 0.071
lab*nch 0.0 0.75 0.071
relative Natural Colour (NC)
lab*tr 0.581 0.75 0.0
lab*ce 0.625 0.75 0.0
lab*nce 0.0 0.75 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.018 0.0 (1.0)
cmyn3* 0.5 0.982 1.0 (0.0)
olvi4* 1.0 0.268 0.25 (0.5)
cmyn4* 0.0 0.732 0.75 (0.5)
standard and adapted CIELAB
LAB*LAB 48.21 82.61 39.36
LAB*LAB 48.21 82.57 39.35
LAB*LAB 48.21 82.57 39.35

relative CIELAB lab*
lab*lab 0.441 0.903 0.43
lab*ch 0.5 1.0 0.071
lab*nch 0.0 1.0 0.071
relative Natural Colour (NC)
lab*tr 0.441 1.0 0.0
lab*ce 0.5 1.0 0.0
lab*nce 0.0 1.0 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.018 0.0 (1.0)
cmyn3* 0.75 0.982 1.0 (0.0)
olvi4* 1.0 0.268 0.25 (0.5)
cmyn4* 0.0 0.732 0.75 (0.5)
standard and adapted CIELAB
LAB*LAB 25.36 16.86 7.64
LAB*LAB 25.36 16.5 7.59
LAB*LAB 25.36 16.5 7.59

relative CIELAB lab*
lab*lab 0.331 0.75 0.0
lab*ch 0.375 0.75 0.071
lab*nch 0.0 0.75 0.071
relative Natural Colour (NC)
lab*tr 0.331 0.75 0.0
lab*ce 0.375 0.75 0.0
lab*nce 0.0 0.75 0.071

relative Inform. Technology (IT)
olvi3* 0.0 0.018 0.0 (1.0)
cmyn3* 1.0 0.982 1.0 (0.0)
olvi4* 1.0 0.268 0.25 (0.5)
cmyn4* 0.0 0.732 0.75 (0.5)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LAB 11.01 0.0 0.0
LAB*LAB 11.01 0.0 0.0

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

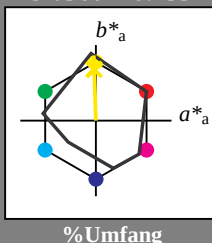
Eingabe: Farbmetrisches Reflexions-System MRS18

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

lab^*ch 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)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 0.0 0.0
LAB*LAB 99.99 0.01 -

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)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LAB 76.06 0.0 0.0
LAB*LAB 75.00 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 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 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LAB 56.71 0.0 0.0
LAB*LAB 50.00 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 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)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 25.00 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 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* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 25.00 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 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* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 25.00 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 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* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 25.00 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 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* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 25.00 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 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* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 25.00 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 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* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 25.00 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 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

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 0.988 0.75 (1.0)
olvi4* 0.0 0.012 0.25 (0.0)
olvi5* 1.0 0.988 0.75 (1.0)
olvi6* 0.0 0.012 0.25 (0.0)
olvi7* 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 97.5 21.58 91.86

relative CIELAB lab*
lab*lab 0.957 -0.015 0.5
lab*ch 0.75 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.957 0.0 0.25
lab*trc 0.75 0.25 0.25
lab*ncc 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.75 0.726 0.25 (1.0)
olvi4* 0.0 0.037 0.75 (0.0)
olvi5* 1.0 0.976 0.5 (1.0)
olvi6* 0.0 0.037 0.75 (0.0)
olvi7* 0.0 0.037 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 92.04 -2.3 47.67
LAB*LAB 92.04 -1.29 43.14
LAB*LAB 75.0 43.16 91.85

relative CIELAB lab*
lab*lab 0.957 -0.015 0.5
lab*ch 0.75 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.957 0.0 0.25
lab*trc 0.75 0.25 0.25
lab*ncc 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
olvi5* 1.0 0.963 0.25 (1.0)
olvi6* 0.0 0.037 0.75 (0.0)
olvi7* 0.0 0.037 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 90.36 -2.96 69.13
LAB*LAB 90.36 -2.08 64.71
LAB*LAB 62.5 64.74 91.85

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*ch 0.5 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.25
lab*trc 0.5 0.25 0.25
lab*ncc 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 0.963 0.25 (1.0)
olvi6* 0.0 0.037 0.75 (0.0)
olvi7* 0.0 0.037 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*LAB 50.0 86.32 91.85

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 0.963 0.25 (1.0)
olvi6* 0.0 0.037 0.75 (0.0)
olvi7* 0.0 0.037 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 71.02 -2.59 67.82
LAB*LAB 71.02 -2.07 64.7
LAB*LAB 37.51 64.74 91.84

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 0.963 0.25 (1.0)
olvi6* 0.0 0.037 0.75 (0.0)
olvi7* 0.0 0.037 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 53.35 -1.5 45.05
LAB*LAB 53.35 -1.38 43.13
LAB*LAB 25.01 43.16 91.84

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 0.963 0.25 (1.0)
olvi6* 0.0 0.037 0.75 (0.0)
olvi7* 0.0 0.037 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 33.58 -0.52 22.29
LAB*LAB 33.58 -0.68 21.56
LAB*LAB 12.5 21.57 91.84

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 0.963 0.25 (1.0)
olvi6* 0.0 0.037 0.75 (0.0)
olvi7* 0.0 0.037 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*LAB 18.02 0.0 0.46
LAB*LAB 0.01 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 0.963 0.25 (1.0)
olvi6* 0.0 0.037 0.75 (0.0)
olvi7* 0.0 0.037 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.01
LAB*LAB 11.01 0.0 0.01
LAB*LAB 0.0 0.01 -

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

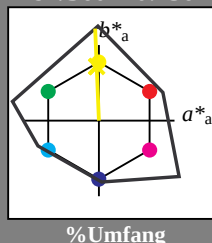
Ausgabe: Farbmetrisches Reflexions-System NCS11

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^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 -0.01
LAB*LAB 95.41 0.0 0.0
LAB*LAB 99.99 0.01 -

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)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*LAB 74.31 0.0 0.0
LAB*LAB 75.00 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 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 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
olvi5* 1.0 0.963 0.25 (1.0)
olvi6* 0.0 0.037 0.75 (0.0)
olvi7* 0.0 0.037 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 90.36 -2.96 69.13
LAB*LAB 90.36 -2.08 64.71
LAB*LAB 62.5 64.74 91.85

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*ch 0.5 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.25
lab*trc 0.5 0.25 0.25
lab*ncc 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 0.963 0.25 (1.0)
olvi6* 0.0 0.037 0.75 (0.0)
olvi7* 0.0 0.037 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*LAB 50.0 86.32 91.85

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 0.963 0.25 (1.0)
olvi6* 0.0 0.037 0.75 (0.0)
olvi7* 0.0 0.037 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 71.02 -2.59 67.82
LAB*LAB 71.02 -2.07 64.7
LAB*LAB 37.51 64.74 91.84

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 0.963 0.25 (1.0)
olvi6* 0.0 0.037 0.75 (0.0)
olvi7* 0.0 0.037 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 53.35 -1.5 45.05
LAB*LAB 53.35 -1.38 43.13
LAB*LAB 25.01 43.16 91.84

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 0.963 0.25 (1.0)
olvi6* 0.0 0.037 0.75 (0.0)
olvi7* 0.0 0.037 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 33.58 -0.52 22.29
LAB*LAB 33.58 -0.68 21.56
LAB*LAB 12.5 21.57 91.84

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
ol

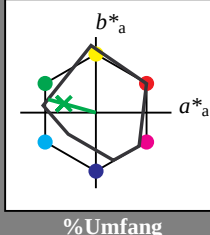
Eingabe: Farbmetrisches Reflexions-System MRS18

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)
LAB*LAB 95.41 -0.97 4.75
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 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
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 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 -0.6 3.44
LAB*LAB 76.06 0.0 0.0
LAB*LAB 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*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 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)
LAB*LAB 56.71 -0.23 2.14
LAB*LAB 56.71 0.0 0.0
LAB*LAB 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*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 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)
LAB*LAB 37.36 -0.38 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 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*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 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)
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 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*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 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)
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 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*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 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)
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 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*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 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)
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 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*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 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)
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 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*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 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
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* 0.32 0.32 0.32 (1.0)
cmyn3* 0.68 0.68 0.68 (0.0)
olvi4* 0.55 1.0 0.5 (1.0)
cmyn4* 0.45 0.0 0.5 (0.0)
LAB*LAB 75.74 -32.2 12.22
LAB*LAB 75.74 -31.6 8.79
LAB*LAB 75.0 32.81 164.46

relative CIELAB lab*
lab*lab 0.32 0.0 0.0
lab*ch 0.32 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.32 0.0 0.0
lab*ch 0.32 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.30 0.30 0.30 (1.0)
cmyn3* 0.70 0.70 0.70 (0.0)
olvi4* 0.70 1.0 0.70 (1.0)
cmyn4* 0.30 0.0 0.70 (0.0)
LAB*LAB 66.22 -16.22 7.19
LAB*LAB 66.22 -15.8 4.4
LAB*LAB 62.5 16.41 164.46

relative CIELAB lab*
lab*lab 0.30 0.0 0.0
lab*ch 0.30 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.30 0.0 0.0
lab*ch 0.30 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.27 0.27 0.27 (1.0)
cmyn3* 0.73 0.73 0.73 (0.0)
olvi4* 0.73 1.0 0.73 (1.0)
cmyn4* 0.27 0.0 0.73 (0.0)
LAB*LAB 56.39 -31.84 10.92
LAB*LAB 56.39 -31.61 8.79
LAB*LAB 50.0 32.81 164.46

relative CIELAB lab*
lab*lab 0.27 0.0 0.0
lab*ch 0.27 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.27 0.0 0.0
lab*ch 0.27 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.24 0.24 0.24 (1.0)
cmyn3* 0.76 0.76 0.76 (0.0)
olvi4* 0.76 1.0 0.76 (1.0)
cmyn4* 0.24 0.0 0.76 (0.0)
LAB*LAB 46.87 -15.85 5.88
LAB*LAB 46.87 -15.4 4.4
LAB*LAB 37.5 16.41 164.46

relative CIELAB lab*
lab*lab 0.24 0.0 0.0
lab*ch 0.24 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.24 0.0 0.0
lab*ch 0.24 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.21 0.21 0.21 (1.0)
cmyn3* 0.79 0.79 0.79 (0.0)
olvi4* 0.79 1.0 0.79 (1.0)
cmyn4* 0.21 0.0 0.79 (0.0)
LAB*LAB 27.04 -31.47 9.6
LAB*LAB 27.04 -31.18 7.5
LAB*LAB 25.01 32.81 164.46

relative CIELAB lab*
lab*lab 0.21 0.0 0.0
lab*ch 0.21 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.21 0.0 0.0
lab*ch 0.21 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.19 0.19 0.19 (1.0)
cmyn3* 0.81 0.81 0.81 (0.0)
olvi4* 0.81 1.0 0.81 (1.0)
cmyn4* 0.19 0.0 0.81 (0.0)
LAB*LAB 18.02 -0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.19 0.0 0.0
lab*ch 0.19 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.19 0.0 0.0
lab*ch 0.19 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.17 0.17 0.17 (1.0)
cmyn3* 0.83 0.83 0.83 (0.0)
olvi4* 0.83 1.0 0.83 (1.0)
cmyn4* 0.17 0.0 0.83 (0.0)
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.17 0.0 0.0
lab*ch 0.17 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.17 0.0 0.0
lab*ch 0.17 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.15 0.15 0.15 (1.0)
cmyn3* 0.85 0.85 0.85 (0.0)
olvi4* 0.85 1.0 0.85 (1.0)
cmyn4* 0.15 0.0 0.85 (0.0)
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.15 0.0 0.0
lab*ch 0.15 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.15 0.0 0.0
lab*ch 0.15 0.0 0.0
lab*nch 0.0 0.0 0.0

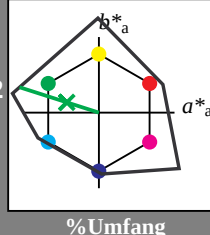
Ausgabe: Farbmetrisches Reflexions-System NCS11

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^*



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 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
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 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 0.0 0.0
LAB*LAB 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*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 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)
LAB*LAB 56.07 -63.21 17.58
LAB*LAB 56.07 -63.21 17.58
LAB*LAB 50.0 65.62 164.46

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*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 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)
LAB*LAB 37.36 -0.38 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 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*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 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)
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 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*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 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)
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 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*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 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)
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 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*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 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)
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 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*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 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)
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 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*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 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* 0.54 0.54 0.54 (1.0)
cmyn3* 0.46 0.46 0.46 (0.0)
olvi4* 0.54 1.0 0.54 (1.0)
cmyn4* 0.46 0.0 0.46 (0.0)
LAB*LAB 80.4 -52.43 16.79
LAB*LAB 80.4 -52.43 16.79
LAB*LAB 75.0 55.08 162.25

relative CIELAB lab*
lab*lab 0.54 0.0 0.0
lab*ch 0.54 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.54 0.0 0.0
lab*ch 0.54 0.0 0.0
lab*nch 0.0 0.0 0.0

