

Seitenzahl 2

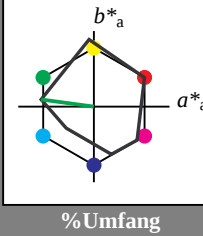
Eingabe: Farbmetrisches Reflexions-System MRS18

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

lab^*ch und lab^*nch

D65: Buntton G
LCH*Ma: 52 70 172
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*Lab 95.41 0.0 0.0
LAB*TCa 99.99 0.01 0.0

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

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

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (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*TCa 50.0 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
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 (0.75)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*Lab 37.36 0.0 0.0
LAB*TCa 25.0 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.46 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 0.01 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.46 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 0.01 0.01 0.0

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

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 1.0 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.75 -35.42 8.02
LAB*Lab 73.75 -34.85 4.72
LAB*TCa 75.0 35.18 172.29

relative CIELAB lab*
lab*lab 0.72 -0.494 0.067
lab*ch 0.75 0.5 0.479
lab*nch 0.0 0.5 0.479
relative Natural Colour (NC)
lab*trj 0.72 -0.496 -0.056
lab*trc 0.75 0.5 0.518
lab*ncc 0.0 0.5 80.76

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 (0.75)
cmyn4* 0.5 0.5 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 65.23 -17.83 5.08
LAB*Lab 65.23 -17.42 2.36
LAB*TCa 62.5 17.59 172.29

relative CIELAB lab*
lab*lab 0.61 -0.247 -0.028
lab*ch 0.625 0.25 0.518
lab*nch 0.25 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.61 -0.247 -0.028
lab*trc 0.625 0.25 0.518
lab*ncc 0.25 0.25 80.76

relative Inform. Technology (IT)
olvi3* 0.1 0.5 0.5 (0.0)
cmyn3* 0.75 0.5 0.75 (0.0)
olvi4* 0.75 1.0 0.75 (0.5)
cmyn4* 0.25 0.0 0.25 (0.5)
standard and adapted CIELAB
LAB*LAB 45.88 -17.46 3.78
LAB*Lab 45.88 -17.42 3.36
LAB*TCa 37.5 17.59 172.29

relative CIELAB lab*
lab*lab 0.36 -0.247 -0.028
lab*ch 0.375 0.25 0.479
lab*nch 0.25 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.36 -0.247 -0.028
lab*trc 0.375 0.25 0.479
lab*ncc 0.25 0.25 80.76

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (0.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olvi4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 35.06 -34.85 4.72
LAB*Lab 35.06 -34.85 4.72
LAB*TCa 25.01 35.18 172.29

relative CIELAB lab*
lab*lab 0.22 -0.494 0.067
lab*ch 0.25 0.5 0.479
lab*nch 0.0 0.5 0.479
relative Natural Colour (NC)
lab*trj 0.22 -0.496 -0.056
lab*trc 0.25 0.5 0.518
lab*ncc 0.0 0.5 80.76

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.46 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 0.01 0.01 0.0

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

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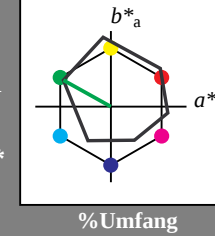
Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 151/360 = 0.419$

lab^*ch und lab^*nch

D65: Buntton L
LCH*Ma: 51 72 151
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*Lab 95.41 0.0 0.0
LAB*TCa 99.99 0.01 0.0

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

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

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (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*TCa 50.0 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
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 (0.75)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*Lab 37.36 0.0 0.0
LAB*TCa 25.0 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.46 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 0.01 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.46 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 0.01 0.01 0.0

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

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$n^* = 1.0$

$n^* = 1.0$

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CLMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.75 -35.42 8.02
LAB*Lab 73.75 -34.85 4.72
LAB*TCa 75.0 35.18 172.29

relative CIELAB lab*
lab*lab 0.72 -0.494 0.067
lab*ch 0.75 0.5 0.479
lab*nch 0.0 0.5 0.479
relative Natural Colour (NC)
lab*trj 0.72 -0.496 -0.056
lab*trc 0.75 0.5 0.518
lab*ncc 0.0 0.5 80.76

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 (0.75)
cmyn4* 0.5 0.5 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 65.23 -17.83 5.08
LAB*Lab 65.23 -17.42 2.36
LAB*TCa 62.5 17.59 172.29

relative CIELAB lab*
lab*

Seitenzählung 4

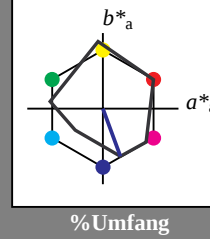
Eingabe: Farbmetrisches Reflexions-System MRS18

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

lab^*ich und lab^*nch

D65: Buntton B
LCH*Ma: 37 67 290
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



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 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ich 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*icc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LAB 76.06 0.0 0.0
LAB*LAB 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ich 0.75 0.75 0.75 (1.0)
lab*nch 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*icc 0.75 0.75 0.75 (1.0)
lab*ncc 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)
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 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*ich 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (0.0)
lab*icc 0.5 0.5 0.5 (0.0)
lab*ncc 0.5 0.5 0.5 (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 42.02 5.8 -14.6
LAB*LAB 42.02 5.8 -14.6
LAB*LAB 37.5 16.8 290.19

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ich 0.25 0.25 0.25 (0.0)
lab*nch 0.75 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*icc 0.25 0.25 0.25 (0.0)
lab*ncc 0.75 0.75 0.75 (1.0)

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 37.5 16.8 290.19
LAB*LAB 37.5 16.8 290.19
LAB*LAB 25.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ich 0.75 0.75 0.75 (1.0)
lab*nch 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*icc 0.75 0.75 0.75 (1.0)
lab*ncc 0.25 0.25 0.25 (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 27.34 11.92 31.51
LAB*LAB 27.34 11.92 31.51
LAB*LAB 25.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ich 0.25 0.25 0.25 (0.0)
lab*nch 0.75 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*icc 0.25 0.25 0.25 (0.0)
lab*ncc 0.75 0.75 0.75 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.46
LAB*LAB 18.02 18.02 0.46
LAB*LAB 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ich 0.0 0.0 0.0 (0.0)
lab*nch 1.0 1.0 1.0 (1.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*icc 0.0 0.0 0.0 (0.0)
lab*ncc 1.0 1.0 1.0 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.46
LAB*LAB 18.02 18.02 0.46
LAB*LAB 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ich 0.0 0.0 0.0 (0.0)
lab*nch 1.0 1.0 1.0 (1.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*icc 0.0 0.0 0.0 (0.0)
lab*ncc 1.0 1.0 1.0 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.46
LAB*LAB 18.02 18.02 0.46
LAB*LAB 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ich 0.0 0.0 0.0 (0.0)
lab*nch 1.0 1.0 1.0 (1.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*icc 0.0 0.0 0.0 (0.0)
lab*ncc 1.0 1.0 1.0 (1.0)

UG550-7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (links)

BAM-Prüfvorlage UG55; Farbmetrik-Systeme MRS18 & ORS18input: cmy0* setcmykcolor

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

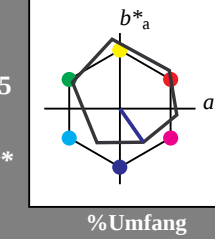
Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

lab^*tch und lab^*nch

D65: Buntton V
LCH*Ma: 26 54 305
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 0.0 0.0
LAB*LAB 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ich 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*icc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LAB 76.06 0.0 0.0
LAB*LAB 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ich 0.75 0.75 0.75 (1.0)
lab*nch 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*icc 0.75 0.75 0.75 (1.0)
lab*ncc 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)
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 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*ich 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (0.0)
lab*icc 0.5 0.5 0.5 (0.0)
lab*ncc 0.5 0.5 0.5 (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 42.02 5.8 -14.6
LAB*LAB 42.02 5.8 -14.6
LAB*LAB 37.5 16.8 290.19

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ich 0.25 0.25 0.25 (0.0)
lab*nch 0.75 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*icc 0.25 0.25 0.25 (0.0)
lab*ncc 0.75 0.75 0.75 (1.0)

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 37.5 16.8 290.19
LAB*LAB 37.5 16.8 290.19
LAB*LAB 25.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ich 0.75 0.75 0.75 (1.0)
lab*nch 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*icc 0.75 0.75 0.75 (1.0)
lab*ncc 0.25 0.25 0.25 (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 27.34 11.92 31.51
LAB*LAB 27.34 11.92 31.51
LAB*LAB 25.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ich 0.25 0.25 0.25 (0.0)
lab*nch 0.75 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*icc 0.25 0.25 0.25 (0.0)
lab*ncc 0.75 0.75 0.75 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.46
LAB*LAB 18.02 18.02 0.46
LAB*LAB 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ich 0.0 0.0 0.0 (0.0)
lab*nch 1.0 1.0 1.0 (1.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*icc 0.0 0.0 0.0 (0.0)
lab*ncc 1.0 1.0 1.0 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.46
LAB*LAB 18.02 18.02 0.46
LAB*LAB 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ich 0.0 0.0 0.0 (0.0)
lab*nch 1.0 1.0 1.0 (1.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*icc 0.0 0.0 0.0 (0.0)
lab*ncc 1.0 1.0 1.0 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.46
LAB*LAB 18.02 18.02 0.46
LAB*LAB 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ich 0.0 0.0 0.0 (0.0)
lab*nch 1.0 1.0 1.0 (1.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*icc 0.0 0.0 0.0 (0.0)
lab*ncc 1.0 1.0 1.0 (1.0)

5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

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

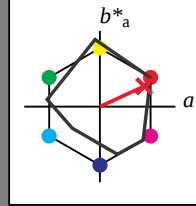
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit t^*



%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*TCh 99.99 0.01 0.0

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 0.0
relative Natural Colour (NC)
lab*ch 1.0 0.0 0.0
lab*ce 1.0 0.0 0.0
lab*nce 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*TCh 75.00 0.01 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*ch 0.75 0.75 0.75 (1.0)
lab*ce 0.75 0.75 0.75 (1.0)
lab*nce 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*TCh 50.00 0.01 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*ch 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)

standard and adapted CIELAB
LAB*LAB 37.36 -0.13 0.83
LAB*Lab 37.36 0.0 0.0
LAB*TCh 25.00 0.01 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*ch 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)

standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCh 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*ch 0.0 0.0 0.0 (0.0)
lab*ce 0.0 0.0 0.0 (0.0)
lab*nce 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*TCh 0.01 0.01 0.0

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

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

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

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.548 (1.0)
cmyn3* 0.0 0.5 0.548 (1.0)
olvi4* 1.0 0.5 0.548 (1.0)
cmyn4* 0.0 0.5 0.548 (1.0)
LAB*LAB 71.8 32.47 18.34
LAB*Lab 71.8 33.0 15.17
LAB*TCh 75.0 36.32 24.7

relative CIELAB lab*
lab*lab 0.695 0.548 0.209
lab*ch 0.75 0.5 0.069
lab*nch 0.0 0.5 0.069
relative Natural Colour (NC)
lab*ch 0.695 0.5 0.0
lab*ce 0.75 0.5 0.0
lab*nce 0.0 0.5 0.069

standard and adapted CIELAB
LAB*LAB 60.0 49.2 25.13
LAB*Lab 60.0 49.5 22.76
LAB*TCh 62.5 54.49 24.7

relative CIELAB lab*
lab*lab 0.548 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*ch 0.548 0.75 0.0
lab*ce 0.625 0.75 0.0
lab*nce 0.0 0.75 0.069

standard and adapted CIELAB
LAB*LAB 48.21 65.92 31.93
LAB*Lab 48.21 66.0 30.36
LAB*TCh 50.0 72.65 24.7

relative CIELAB lab*
lab*lab 0.39 0.908 0.418
lab*ch 0.5 0.0 0.069
lab*nch 0.0 0.0 0.069
relative Natural Colour (NC)
lab*ch 0.39 0.9 0.0
lab*ce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.069

standard and adapted CIELAB
LAB*LAB 37.51 54.49 24.7
LAB*Lab 37.51 54.49 24.7
LAB*TCh 37.51 54.49 24.7

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*ch 0.293 0.75 0.0
lab*ce 0.375 0.75 0.0
lab*nce 0.0 0.75 0.069

standard and adapted CIELAB
LAB*LAB 33.11 32.21 15.74
LAB*Lab 33.11 33.0 15.18
LAB*TCh 25.01 36.33 24.7

relative CIELAB lab*
lab*lab 0.195 0.454 0.209
lab*ch 0.25 0.5 0.069
lab*nch 0.0 0.5 0.069
relative Natural Colour (NC)
lab*ch 0.195 0.5 0.0
lab*ce 0.25 0.5 0.0
lab*nce 0.0 0.5 0.069

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

Ausgabe: Farbmetrisches Reflexions-System ORS18

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

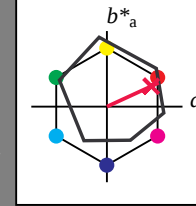
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

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 0.0

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 0.0
relative Natural Colour (NC)
lab*ch 1.0 0.0 0.0
lab*ce 1.0 0.0 0.0
lab*nce 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*TCh 75.00 0.01 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*ch 0.75 0.75 0.75 (1.0)
lab*ce 0.75 0.75 0.75 (1.0)
lab*nce 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*TCh 50.00 0.01 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*ch 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)

standard and adapted CIELAB
LAB*LAB 37.36 -0.13 0.83
LAB*Lab 37.36 0.0 0.0
LAB*TCh 25.00 0.01 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*ch 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)

standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCh 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*ch 0.0 0.0 0.0 (0.0)
lab*ce 0.0 0.0 0.0 (0.0)
lab*nce 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*TCh 0.01 0.01 0.0

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

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CLMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.548 (1.0)
cmyn3* 0.0 0.5 0.548 (1.0)
olvi4* 1.0 0.5 0.548 (1.0)
cmyn4* 0.0 0.5 0.548 (1.0)
LAB*LAB 71.8 32.47 18.34
LAB*Lab 71.8 33.0 15.17
LAB*TCh 75.0 36.32 24.7

relative CIELAB lab*
lab*lab 0.695 0.548 0.209
lab*ch 0.75 0.5 0.069
lab*nch 0.0 0.5 0.069
relative Natural Colour (NC)
lab*ch 0.695 0.5 0.0
lab*ce 0.75 0.5 0.0
lab*nce 0.0 0.5 0.069

standard and adapted CIELAB
LAB*LAB 60.0 49.2 25.13
LAB*Lab 60.0 49.5 22.76
LAB*TCh 62.5 54.49 24.7

relative CIELAB lab*
lab*lab 0.548 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*ch 0.548 0.75 0.0
lab*ce 0.625 0.75 0.0
lab*nce 0.0 0.75 0.069

standard and adapted CIELAB
LAB*LAB 48.21 65.92 31.93
LAB*Lab 48.21 66.0 30.36
LAB*TCh 50.0 72.65 24.7

relative CIELAB lab*
lab*lab 0.39 0.908 0.418
lab*ch 0.5 0.0 0.069
lab*nch 0.0 0.0 0.069
relative Natural Colour (NC)
lab*ch 0.39 0.9 0.0
lab*ce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.069

standard and adapted CIELAB
LAB*LAB 37.51 54.49 24.7
LAB*Lab 37.51 54.49 24.7
LAB*TCh 37.51 54.49 24.7

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*ch 0.293 0.75 0.0
lab*ce 0.375 0.75 0.0
lab*nce 0.0 0.75 0.069

standard and adapted CIELAB
LAB*LAB 33.11 32.21 15.74
LAB*Lab 33.11 33.0 15.18
LAB*TCh 25.01 36.33 24.7

relative CIELAB lab*
lab*lab 0.195 0.454 0.209
lab*ch 0.25 0.5 0.069
lab*nch 0.0 0.5 0.069
relative Natural Colour (NC)
lab*ch 0.195 0.5 0.0
lab*ce 0.25 0.5 0.0
lab*nce 0.0 0.5 0.069

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.548 (1.0)
cmyn3* 0.0 0.5 0.548 (1.0)
olvi4* 1.0 0.5 0.548 (1.0)
cmyn4* 0.0 0.5 0.548 (1.0)
LAB*LAB 71.8 32.47 18.34
LAB*Lab 71.8 33.0 15.17
LAB*TCh 75.0 36.32 24.7

relative CIELAB lab*
lab*lab 0.695 0.548 0.209
lab*ch 0.75 0.5 0.069
lab*nch 0.0 0.5 0.069
relative Natural Colour (NC)
lab*ch 0.695 0.5 0.0
lab*ce 0.75 0.5 0.0
lab*nce 0.0 0.5 0.069

standard and adapted CIELAB
LAB*LAB 60.0 49.2 25.13
LAB*Lab 60.0 49.5 22.76
LAB*TCh 62.5 54.49 24.7

relative CIELAB lab*
lab*lab 0.548 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*ch 0.548 0.75 0.0
lab*ce 0.625 0.75 0.0
lab*nce 0.0 0.75 0.069

standard and adapted CIELAB
LAB*LAB 48.21 65.92 31.93
LAB*Lab 48.21 66.0 30.36
LAB*TCh 50.0 72.65 24.7

relative CIELAB lab*
lab*lab 0.39 0.908 0.418
lab*ch 0.5 0.0 0.069
lab*nch 0.0 0.0 0.069
relative Natural Colour (NC)
lab*ch 0.39 0.9 0.0
lab*ce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.069

standard and adapted CIELAB
LAB*LAB 37.51 54.49 24.7
LAB*Lab 37.51 54.49 24.7
LAB*TCh 37.51 54.49 24.7

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*ch 0.293 0.75 0.0
lab*ce 0.375 0.75 0.0
lab*nce 0.0 0.75 0.069

standard and adapted CIELAB
LAB*LAB 33.11 32.21 15.74
LAB*Lab 33.11 33.0 15.18
LAB*TCh 25.01 36.33 24.7

relative CIELAB lab*
lab*lab 0.195 0.454 0.209
lab*ch 0.25 0.5 0.069
lab*nch 0.0 0.5 0.069
relative Natural Colour (NC)
lab*ch 0.195 0.5 0.0
lab*ce 0.25 0.5 0.0
lab*nce 0.0 0.5 0.069

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

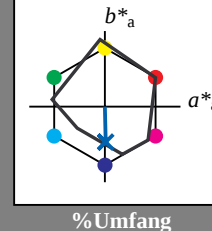
Eingabe: Farbmetrisches Reflexions-System MRS18

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^*



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	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)
olvi6*	1.0	1.0	1.0	(1.0)
olvi6*	0.0	0.0	0.0	(0.0)
olvi7*	1.0	1.0	1.0	(1.0)
olvi7*	0.0	0.0	0.0	(0.0)
olvi8*	1.0	1.0	1.0	(1.0)
olvi8*	0.0	0.0	0.0	(0.0)
olvi9*	1.0	1.0	1.0	(1.0)
olvi9*	0.0	0.0	0.0	(0.0)
olvi10*	1.0	1.0	1.0	(1.0)
olvi10*	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.75	0.842	1.0	(1.0)
olvi3*	0.25	0.158	0.0	(0.0)
olvi4*	0.75	0.842	1.0	(1.0)
olvi4*	0.25	0.158	0.0	(0.0)
olvi5*	0.75	0.842	1.0	(1.0)
olvi5*	0.25	0.158	0.0	(0.0)
olvi6*	0.75	0.842	1.0	(1.0)
olvi6*	0.25	0.158	0.0	(0.0)
olvi7*	0.75	0.842	1.0	(1.0)
olvi7*	0.25	0.158	0.0	(0.0)
olvi8*	0.75	0.842	1.0	(1.0)
olvi8*	0.25	0.158	0.0	(0.0)
olvi9*	0.75	0.842	1.0	(1.0)
olvi9*	0.25	0.158	0.0	(0.0)
olvi10*	0.75	0.842	1.0	(1.0)
olvi10*	0.25	0.158	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.5	0.592	0.75	(0.75)
olvi3*	0.25	0.408	0.25	(0.25)
olvi4*	0.5	0.592	0.75	(0.75)
olvi4*	0.25	0.408	0.25	(0.25)
olvi5*	0.5	0.592	0.75	(0.75)
olvi5*	0.25	0.408	0.25	(0.25)
olvi6*	0.5	0.592	0.75	(0.75)
olvi6*	0.25	0.408	0.25	(0.25)
olvi7*	0.5	0.592	0.75	(0.75)
olvi7*	0.25	0.408	0.25	(0.25)
olvi8*	0.5	0.592	0.75	(0.75)
olvi8*	0.25	0.408	0.25	(0.25)
olvi9*	0.5	0.592	0.75	(0.75)
olvi9*	0.25	0.408	0.25	(0.25)
olvi10*	0.5	0.592	0.75	(0.75)
olvi10*	0.25	0.408	0.25	(0.25)

relative Inform. Technology (IT)

olvi3*	0.25	0.434	0.75	(0.75)
olvi3*	0.75	0.566	0.25	(0.25)
olvi4*	0.25	0.434	0.75	(0.75)
olvi4*	0.75	0.566	0.25	(0.25)
olvi5*	0.25	0.434	0.75	(0.75)
olvi5*	0.75	0.566	0.25	(0.25)
olvi6*	0.25	0.434	0.75	(0.75)
olvi6*	0.75	0.566	0.25	(0.25)
olvi7*	0.25	0.434	0.75	(0.75)
olvi7*	0.75	0.566	0.25	(0.25)
olvi8*	0.25	0.434	0.75	(0.75)
olvi8*	0.75	0.566	0.25	(0.25)
olvi9*	0.25	0.434	0.75	(0.75)
olvi9*	0.75	0.566	0.25	(0.25)
olvi10*	0.25	0.434	0.75	(0.75)
olvi10*	0.75	0.566	0.25	(0.25)

relative Inform. Technology (IT)

olvi3*	0.0	0.278	0.75	(1.0)
olvi3*	0.75	0.722	0.0	(0.0)
olvi4*	0.0	0.278	0.75	(1.0)
olvi4*	0.75	0.722	0.0	(0.0)
olvi5*	0.0	0.278	0.75	(1.0)
olvi5*	0.75	0.722	0.0	(0.0)
olvi6*	0.0	0.278	0.75	(1.0)
olvi6*	0.75	0.722	0.0	(0.0)
olvi7*	0.0	0.278	0.75	(1.0)
olvi7*	0.75	0.722	0.0	(0.0)
olvi8*	0.0	0.278	0.75	(1.0)
olvi8*	0.75	0.722	0.0	(0.0)
olvi9*	0.0	0.278	0.75	(1.0)
olvi9*	0.75	0.722	0.0	(0.0)
olvi10*	0.0	0.278	0.75	(1.0)
olvi10*	0.75	0.722	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.0	0.278	0.75	(1.0)
olvi3*	0.75	0.722	0.0	(0.0)
olvi4*	0.0	0.278	0.75	(1.0)
olvi4*	0.75	0.722	0.0	(0.0)
olvi5*	0.0	0.278	0.75	(1.0)
olvi5*	0.75	0.722	0.0	(0.0)
olvi6*	0.0	0.278	0.75	(1.0)
olvi6*	0.75	0.722	0.0	(0.0)
olvi7*	0.0	0.278	0.75	(1.0)
olvi7*	0.75	0.722	0.0	(0.0)
olvi8*	0.0	0.278	0.75	(1.0)
olvi8*	0.75	0.722	0.0	(0.0)
olvi9*	0.0	0.278	0.75	(1.0)
olvi9*	0.75	0.722	0.0	(0.0)
olvi10*	0.0	0.278	0.75	(1.0)
olvi10*	0.75	0.722	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.0	0.278	0.75	(1.0)
olvi3*	0.75	0.722	0.0	(0.0)
olvi4*	0.0	0.278	0.75	(1.0)
olvi4*	0.75	0.722	0.0	(0.0)
olvi5*	0.0	0.278	0.75	(1.0)
olvi5*	0.75	0.722	0.0	(0.0)
olvi6*	0.0	0.278	0.75	(1.0)
olvi6*	0.75	0.722	0.0	(0.0)
olvi7*	0.0	0.278	0.75	(1.0)
olvi7*	0.75	0.722	0.0	(0.0)
olvi8*	0.0	0.278	0.75	(1.0)
olvi8*	0.75	0.722	0.0	(0.0)
olvi9*	0.0	0.278	0.75	(1.0)
olvi9*	0.75	0.722	0.0	(0.0)
olvi10*	0.0	0.278	0.75	(1.0)
olvi10*	0.75	0.722	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.0	0.278	0.75	(1.0)
olvi3*	0.75	0.722	0.0	(0.0)
olvi4*	0.0	0.278	0.75	(1.0)
olvi4*	0.75	0.722	0.0	(0.0)
olvi5*	0.0	0.278	0.75	(1.0)
olvi5*	0.75	0.722	0.0	(0.0)
olvi6*	0.0	0.278	0.75	(1.0)
olvi6*	0.75	0.722	0.0	(0.0)
olvi7*	0.0	0.278	0.75	(1.0)
olvi7*	0.75	0.722	0.0	(0.0)
olvi8*	0.0	0.278	0.75	(1.0)
olvi8*	0.75	0.722	0.0	(0.0)
olvi9*	0.0	0.278	0.75	(1.0)
olvi9*	0.75	0.722	0.0	(0.0)
olvi10*	0.0	0.278	0.75	(1.0)
olvi10*	0.75	0.722	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.0	0.278	0.75	(1.0)
olvi3*	0.75	0.722	0.0	(0.0)
olvi4*	0.0	0.278	0.75	(1.0)
olvi4*	0.75	0.722	0.0	(0.0)
olvi5*	0.0	0.278	0.75	(1.0)
olvi5*	0.75	0.722	0.0	(0.0)
olvi6*	0.0	0.278	0.75	(1.0)
olvi6*	0.75	0.722	0.0	(0.0)
olvi7*	0.0	0.278	0.75	(1.0)
olvi7*	0.75	0.722	0.0	(0.0)
olvi8*	0.0	0.278	0.75	(1.0)
olvi8*	0.75	0.722	0.0	(0.0)
olvi9*	0.0	0.278	0.75	(1.0)
olvi9*	0.75	0.722	0.0	(0.0)
olvi10*	0.0	0.278	0.75	(1.0)
olvi10*	0.75	0.722	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.0	0.278	0.75	(1.0)
olvi3*	0.75	0.722	0.0	(0.0)
olvi4*	0.0	0.278	0.75	(1.0)
olvi4*	0.75	0.722	0.0	(0.0)
olvi5*	0.0	0.278	0.75	(1.0)
olvi5*	0.75	0.722	0.0	(0.0)
olvi6*	0.0	0.278	0.75	(1.0)
olvi6*	0.75	0.722	0.0	(0.0)
olvi7*	0.0	0.278	0.75	(1.0)
olvi7*	0.75	0.722	0.0	(0.0)
olvi8*	0.0	0.278	0.75	(1.0)
olvi8*	0.75	0.722	0.0	(0.0)
olvi9*	0.0	0.278	0.75	(1.0)
olvi9*	0.75	0.722	0.0	(0.0)
olvi10*	0.0	0.278	0.75	(1.0)
olvi10*	0.75	0.722	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.25	0.434	0.75	(0.75)
olvi3*	0.75	0.566	0.25	(0.25)
olvi4*	0.25	0.434	0.75	(0.75)
olvi4*	0.75	0.566	0.25	(0.25)
olvi5*	0.25	0.434	0.75	(0.75)
olvi5*	0.75	0.566	0.25	(0.25)
olvi6*	0.25	0.434	0.75	(0.75)
olvi6*	0.75	0.566	0.25	(0.25)
olvi7*	0.25	0.434	0.75	(0.75)
olvi7*	0.75	0.566	0.25	(0.25)
olvi8*	0.25	0.434	0.75	(0.75)
olvi8*	0.75	0.566	0.25	(0.25)
olvi9*	0.25	0.434	0.75	(0.75)
olvi9*	0.75	0.566	0.25	(0.25)
olvi10*	0.25	0.434	0.75	(0.75)
olvi10*	0.75	0.566	0.25	(0.25)

relative Inform. Technology (IT)

olvi3*	0.0	0.278	0.75	(1.0)
olvi3*	0.75	0.722	0.0	(0.0)
olvi4*	0.0	0.278	0.75	(1.0)
olvi4*	0.75	0.722	0.0	(0.0)
olvi5*	0.0	0.278	0.75	(1.0)
olvi5*	0.75	0.722	0.0	(0.0)
olvi6*	0.0	0.278	0.75	(1.0)
olvi6*	0.75	0.722	0.0	(0.0)
olvi7*	0.0	0.278	0.75	(1.0)
olvi7*	0.75	0.722	0.0	(0.0)
olvi8*	0.0	0.278	0.75	(1.0)
olvi8*	0.75	0.722	0.0	(0.0)
olvi9*	0.0	0.278	0.75	(1.0)
olvi9*	0.75	0.722	0.0	(0.0)
olvi10*	0.0	0.278	0.75	(1.0)
olvi10*	0.75	0.722	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.0	0.278	0.75	(1.0)
olvi3*	0.75	0.722	0.0	(0.0)
olvi4*	0.0	0.278	0.75	(1.0)
olvi4*	0.75	0.722	0.0	(0.0)
olvi5*	0.0	0.278	0.75	(1.0)
olvi5*	0.75	0.722	0.0	(0.0)
olvi6*	0.0	0.278	0.75	(1.0)
olvi6*	0.75	0.722	0.0	(0.0)
olvi7*	0.0	0.278	0.75	(1.0)
olvi7*	0.75	0.722	0.0	(0.0)
olvi8*	0.0	0.278	0.75	(1.0)
olvi8*	0.75	0.722	0.0	(0.0)
olvi9*	0.0	0.278	0.75	(1.0)
olvi9*	0.75	0.722	0.0	(0.0)
olvi10*	0.0	0.278	0.75	(1.0)
olvi10*	0.75	0.722	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.0	0.278	0.75	(1.0)
olvi3*	0.75	0.722	0.0	(0.0)
olvi4*	0.0	0.278	0.75	(1.0)
olvi4*	0.75	0.722	0.0	(0.0)
olvi5*	0.0	0.278	0.75	(1.0)
olvi5*	0.75	0.722	0.0	(0.0)
olvi6*	0.0	0.278	0.75	(1.0)
olvi6*	0.75	0.722	0.0	(0.0