

für 10 Bunttöne: `oly* settrabcolor / w* setaray`

für 10 Bunttöne: `oly* setrgbcolor / v`

Eingabe: Farbmetrisches Reflexions-System MRS18

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

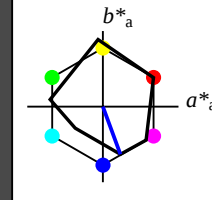
lab^*ch und lab^*nch

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

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

relative CIELAB lab*
lab*lab 0.81 0.086 -0.234
lab*ch 0.875 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.81 0.086 -0.234
lab*tc 0.875 0.25 0.806
lab*nc 0.0 0.25 0.806

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

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.0 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (1.0)
lab*tc 0.5 0.5 0.5 (0.0)
lab*nc 0.0 0.5 0.5 (0.0)

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.68 11.59 -31.52
LAB*LABa 46.68 11.59 -31.52
LAB*LABb 46.68 11.59 -31.52
LAB*LABc 46.68 11.59 -31.52

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 11.92 -31.35
LAB*LABa 37.36 0.0 0.0
LAB*LABb 37.36 0.0 0.0
LAB*LABc 37.36 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.375 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0 (1.0)
lab*tc 0.375 0.25 0.806
lab*nc 0.0 0.25 0.806

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 27.34 11.92 -31.35
LAB*LABa 27.34 0.0 0.0
LAB*LABb 27.34 0.0 0.0
LAB*LABc 27.34 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*ch 0.375 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.25 0.25 0.25 (1.0)
lab*tc 0.375 0.25 0.806
lab*nc 0.0 0.25 0.806

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 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.125 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0 (1.0)
lab*tc 0.125 0.25 0.806
lab*nc 0.0 0.25 0.806

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 9.01 0.0 0.0
LAB*LABa 9.01 0.0 0.0
LAB*LABb 9.01 0.0 0.0
LAB*LABc 9.01 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.06 0.086 -0.234
lab*ch 0.125 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0 (1.0)
lab*tc 0.06 0.086 -0.234
lab*nc 0.0 0.25 0.806

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
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*tr 0.0 0.0 0.0 (1.0)
lab*tc 0.0 0.0 0.0 (0.0)
lab*nc 0.0 0.0 0.0 (0.0)

$n^* = 1.0$

$n^* = 1.0$

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
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.03 11.59 -31.51
LAB*LABa 66.03 11.59 -31.51
LAB*LABb 66.03 11.59 -31.51
LAB*LABc 66.03 11.59 -31.51

relative CIELAB lab*
lab*lab 0.62 0.173 -0.468
lab*ch 0.75 0.5 0.806
lab*nch 0.0 0.5 0.806
relative Natural Colour (NC)
lab*tr 0.62 0.173 -0.468
lab*tc 0.75 0.5 0.806
lab*nc 0.0 0.5 0.806

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 46.68 11.59 -31.52
LAB*LABa 46.68 11.59 -31.52
LAB*LABb 46.68 11.59 -31.52
LAB*LABc 46.68 11.59 -31.52

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 11.92 -31.35
LAB*LABa 37.36 0.0 0.0
LAB*LABb 37.36 0.0 0.0
LAB*LABc 37.36 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.375 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0 (1.0)
lab*tc 0.375 0.25 0.806
lab*nc 0.0 0.25 0.806

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 27.34 11.92 -31.35
LAB*LABa 27.34 0.0 0.0
LAB*LABb 27.34 0.0 0.0
LAB*LABc 27.34 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*ch 0.375 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.25 0.25 0.25 (1.0)
lab*tc 0.375 0.25 0.806
lab*nc 0.0 0.25 0.806

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 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.125 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0 (1.0)
lab*tc 0.125 0.25 0.806
lab*nc 0.0 0.25 0.806

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 9.01 0.0 0.0
LAB*LABa 9.01 0.0 0.0
LAB*LABb 9.01 0.0 0.0
LAB*LABc 9.01 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.06 0.086 -0.234
lab*ch 0.125 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0 (1.0)
lab*tc 0.06 0.086 -0.234
lab*nc 0.0 0.25 0.806

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
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*tr 0.0 0.0 0.0 (1.0)
lab*tc 0.0 0.0 0.0 (0.0)
lab*nc 0.0 0.0 0.0 (0.0)

$n^* = 0.50$

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$n^* = 0.50$

$n^* = 0.50$

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$n^* = 0.50$

$n^* = 0.50$

$n^* = 0.50$

$n^* = 0.50$

$n^* = 0.50$

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

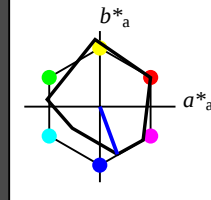
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 91$

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

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

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

relative CIELAB lab*
lab*lab 0.81 0.086 -0.234
lab*ch 0.875 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.81 0.086 -0.234
lab*tc 0.875 0.25 0.806
lab*nc 0.0 0.25 0.806

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

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.0 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (1.0)
lab*tc 0.5 0.5 0.5 (0.0)
lab*nc 0.0 0.5 0.5 (0.0)

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.68 11.59 -31.52
LAB*LABa 46.68 11.59 -31.52
LAB*LABb 46.68 11.59 -31.52
LAB*LABc 46.68 11.59 -31.52

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 11.92 -31.35
LAB*LABa 37.36 0.0 0.0
LAB*LABb 37.36 0.0 0.0
LAB*LABc 37.36 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.375 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0 (1.0)
lab*tc 0.375 0.25 0.806
lab*nc 0.0 0.25 0.806

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 27.34 11.92 -31.35
LAB*LABa 27.34 0.0 0.0
LAB*LABb 27.34 0.0 0.0
LAB*LABc 27.34 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*ch 0.375 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.25 0.25 0.25 (1.0)
lab*tc 0.375 0.25 0.806
lab*nc 0.0 0.25 0.806

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 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.125 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0 (1.0)
lab*tc 0.125 0.25 0.806
lab*nc 0.0 0.25 0.806

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1

Eingabe: Farbmetrisches Reflexions-System MRS18

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

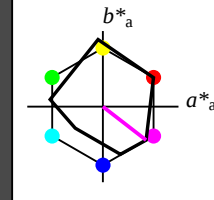
lab^*ch und lab^*nch

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*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	95.41	-0.97	4.75	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	0.0	

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	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)
LAB*LAB	76.06	-0.6	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	75.00	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	76.06	-0.6	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	75.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	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	56.71	-0.23	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*LABb	55.00	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*LABb	55.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	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	37.36	-0.13	0.63	
LAB*LABa	37.36	0.0	0.0	
LAB*LABb	35.00	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	37.36	-0.13	0.63	
LAB*LABa	37.36	0.0	0.0	
LAB*LABb	35.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	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	25.00	0.0	0.0	
LAB*LABa	25.00	0.0	0.0	
LAB*LABb	25.00	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	25.00	0.0	0.0	
LAB*LABa	25.00	0.0	0.0	
LAB*LABb	25.00	0.0	0.0	

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

$n^* = 1.0$

UG5407- 5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (links)

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

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

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

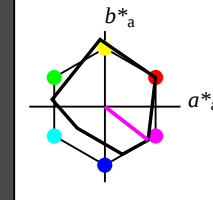
lab^*ch und lab^*nch

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*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	95.41	-0.97	4.75	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	0.0	

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	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)
LAB*LAB	76.06	-0.6	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	75.00	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	76.06	-0.6	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	75.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	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	56.71	-0.23	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*LABb	55.00	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*LABb	55.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	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	37.36	-0.13	0.63	
LAB*LABa	37.36	0.0	0.0	
LAB*LABb	35.00	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	37.36	-0.13	0.63	
LAB*LABa	37.36	0.0	0.0	
LAB*LABb	35.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	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	25.00	0.0	0.0	
LAB*LABa	25.00	0.0	0.0	
LAB*LABb	25.00	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	25.00	0.0	0.0	
LAB*LABa	25.00	0.0	0.0	
LAB*LABb	25.00	0.0	0.0	

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

$n^* = 1.0$

5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (rechts)

für 10 Bunttöne: $o/v^* \text{ setrabcolor} / w^* \text{ setarav}$

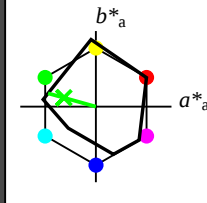
Eingabe: Farbmetrisches Reflexions-System MRS18

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^*



%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*LAB	95.41	0.0	0.0
LAB*TCiHa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tcH	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*trc	1.0	0.0	-
lab*trn	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.776	1.0	0.75	(1.0)
cmyn3*	0.224	0.0	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.224	0.0	0.25	0.0

standard and adapted CIELAB

LAB*LAB	85.57	-16.58	8.49
LAB*LAB	85.57	-15.79	4.4
LAB*TCuA	87.5	16.4	164.45

relative CIELAB lab*

lab*lab	0.873	-0.24	0.067
lab*ch	0.875	0.25	0.457
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lrj	0.873	-0.249	0.0
lab*tcie	0.875	0.25	0.5
lab*nCe	0.0	0.25	0.993

relative Inform. Technology (IT)

olvi3*	0.551	1.0	0.5	(1.0)
cmyn3*	0.449	0.0	0.5	(0.0)
olvi4*	0.551	1.0	0.5	(1.0)
cmyn4*	0.449	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	75.74	-32.2	12.22
LAB*LAB	75.74	-32.2	8.79
LAB*TC _{hA}	75.0	32.81	164.46

relative CIELAB lab*

lab*lab	0.746	-0.481	0.134
lab*tc _h	0.75	0.5	0.457
lab*nch	0.0	0.5	0.457

relative Natural Colour (NC)

lab*tr	0.746	-0.499	0.0
lab*tc _e	0.75	0.5	0.99
lab*nc _E	0.0	0.5	0.99

relative Inform. Technology (IT)

olvi3*	0.25	0.25	(1.0)
cmyn3*	0.373	1.0	0.75 (0.0)
olvi4*	0.373	1.0	0.25 (1.0)
cmyn4*	0.627	0.75	0.75 (0.0)

standard and adapted CIELAB

LAB*LAB	65.9	-47.82	15.96
LAB*LABa	65.9	-47.41	13.19
LAB*TCHa	62.5	49.22	164.46

relative CIELAB lab*

lab*lab	0.619	-0.721	0.201
lab*ch	0.625	0.75	0.457
lab*nch	0.0	0.75	0.457

relative Natural Colour (NC)

lab*tr	0.619	-0.749	0.0
lab*tr	0.625	0.75	0.0
lab*nCE	0.0	0.75	0.993

relative Inform. Technology (IT)

olvi3*	0.103	1.0	0.0	(1.0)
cmyn3*	0.897	0.0	1.0	(0.0)
olvi4*	0.103	1.0	1.0	(1.0)
cmyn4*	0.897	0.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.07	-63.44	19.68
LAB*LAB	56.07	-63.21	17.58
LAB*LAB	50.87	-65.62	164.46

relative CIELAB lab*

lab*lab	0.492	-0.962	0.268
lab*ch	0.5	1.0	0.457
lab*nch	0.0	1.0	0.457

relative Natural Colour (NC)

lab*tr	0.492	-0.999	0.0
lab*tr	0.5	1.0	0.5
lab*tr	0.5	1.0	0.5

LAB*LAB	58.71	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	0.5	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*trCE	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	0.13	0.83
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LAB*LAB	46.87	-15.58	4.4
LAB*Ch	37.5	16.41	164.46
LAB*TC	37.5	16.41	164.46
relative CIELAB lab*			
lab*lab	0.375	-0.24	0.067
lab*ch	0.375	0.25	0.457
lab*nch	0.5	0.25	0.457
relative Natural Colour (NC)			
lab*lrj	0.373	-0.249	0.0
lab*cie	0.375	0.25	0.5
lab*ncE	0.5	0.25	0.998
relative Inform. Technology (IT)			
olvi3*	0.026	0.25	0.0 (1.0)
cmyn3*	0.974	0.75	1.0 (0.0)
olvi4*	0.776	1.0	0.75 (0.25)
cmyn4*	0.224	0.0	0.25 (0.75)
standard and adapted CIELAB			
LAB*LAB	27.52	-15.48	4.75

LAB*LABa	37.04	-31.6	8.78
LAB*TCb	25.01	32.81	164.47
relative CIELAB lab*			
lab*lab	0.246	-0.481	0.134
lab*ch	0.25	0.5	0.457
lab*nch	0.5	0.5	0.457
relative Natural Colour (NC)			
lab*lrj	0.246	-0.499	0.0
lab*ce	0.25	0.5	0.5
lab*nCe	0.5	0.5	g00b

$n^* = 0,50$

relative Inform. Technology (IT)

olvi3*	0.0078125	0.0078125	0.0078125	(1.0)
cmyn3*	0.0078125	0.0078125	0.0078125	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	12.5	0.0	0.0	
LAB*LAB	12.5	0.0	0.0	
LAB*LAB	12.5	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	12.5	0.0	0.0
LAB*LAB	12.5	0.0	0.0
LAB*LAB	12.5	0.0	0.0

relative CIELAB lab*

lab*lab	0.0078125	0.0	0.0
lab*ch	0.0078125	0.0	0.0
lab*nch	0.0	0.0	0.0
lab*tr	0.0078125	0.0	0.0
lab*tr	0.0078125	0.0	0.0
lab*tr	0.0078125	0.0	0.0

relative Natural Colour (NC)

lab*tr	0.0078125	0.0	0.0
lab*tr	0.0078125	0.0	0.0
lab*tr	0.0078125	0.0	0.0

relative Buntheit c^*

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.0	0.46	
LAB*LAB	18.02	0.0	0.0	
LAB*TCCha	0.01	0.01	0.01	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.0	0.0	0.0	
lab*tr	0.0	0.0	-	
lab*nCe	1.0	0.0	-	

relative CIE*LAB* lab*

lab*lab	0.123	-0.24	0.067
lab*ch	0.125	0.25	0.457
lab*nch	0.75	0.25	0.457

relative Natural Colour (NC)

lab*trj	0.123	-0.249	0.0
lab*tce	0.125	0.25	0.5
lab*nCE	0.75	0.25	g00h

0,25

$n^* = 0,50$



0,50

relative

0,75

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttöne
 Output: `o/v* setrgbcolor / w* setgray`