

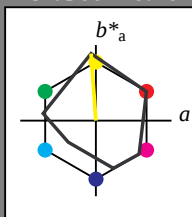
Eingabe: Farbmetrisches Reflexions-System MRS18

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*TCa 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*tc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

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

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 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*tc 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*TCa 50.0 0.01 -

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*trj 0.5 0.5 0.5 (0.0)
lab*tc 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 (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 -0.37 0.83
LAB*Lab 37.36 0.0 0.0
LAB*TCa 25.0 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.37 0.83
LAB*Lab 37.36 0.0 0.0
LAB*TCa 25.0 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.37 0.83
LAB*Lab 37.36 0.0 0.0
LAB*TCa 25.0 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.37 0.83
LAB*Lab 37.36 0.0 0.0
LAB*TCa 25.0 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.37 0.83
LAB*Lab 37.36 0.0 0.0
LAB*TCa 25.0 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.37 0.83
LAB*Lab 37.36 0.0 0.0
LAB*TCa 25.0 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.37 0.83
LAB*Lab 37.36 0.0 0.0
LAB*TCa 25.0 0.01 -

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

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

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$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

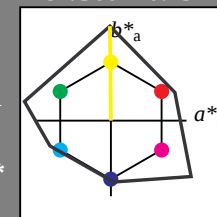
Ausgabe: Farbmetrisches Reflexions-System NCS11

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*TCa 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*tc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*Lab 74.31 0.02 0.0
LAB*TCa 75.0 0.01 -

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 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*tc 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 53.21 0.04 0.0
LAB*Lab 53.21 0.04 0.0
LAB*TCa 50.0 0.01 -

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*trj 0.5 0.5 0.5 (0.0)
lab*tc 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 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.19 -0.27 0.1
LAB*Lab 32.19 -0.27 0.1
LAB*TCa 25.0 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.19 -0.27 0.1
LAB*Lab 32.19 -0.27 0.1
LAB*TCa 25.0 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.19 -0.27 0.1
LAB*Lab 32.19 -0.27 0.1
LAB*TCa 25.0 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.19 -0.27 0.1
LAB*Lab 32.19 -0.27 0.1
LAB*TCa 25.0 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.19 -0.27 0.1
LAB*Lab 32.19 -0.27 0.1
LAB*TCa 25.0 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.19 -0.27 0.1
LAB*Lab 32.19 -0.27 0.1
LAB*TCa 25.0 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.19 -0.27 0.1
LAB*Lab 32.19 -0.27 0.1
LAB*TCa 25.0 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.19 -0.27 0.1
LAB*Lab 32.19 -0.27 0.1
LAB*TCa 25.0 0.01 -

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

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	h^*_{ab}
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	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
R _{CIE}	39.92	58.69	27.98	65.01	25
J _{CIE}	81.26	-2.9	71.56	71.62	92
G _{CIE}	52.23	-42.45	13.59	44.59	162
B _{CIE}	30.57	1.35	-46.48	46.51	272

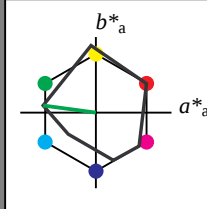
Eingabe: Farbmetrisches Reflexions-System MRS18

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 -

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 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 -
lab*trc 1.0 0.0 -
lab*ncc 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 75.00 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 -
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 -

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 50.00 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 -
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 -

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

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*TCa 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 -
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 -

$n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 84.58 -18.19 6.39
LAB*Lab 84.58 -17.42 2.36
LAB*TCa 87.5 17.59 172.29

relative CIELAB lab*
lab*lab 0.86 -0.247 0.034
lab*ch 0.875 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.86 -0.247 -0.028
lab*trc 0.875 0.25 0.518
lab*ncc 0.0 0.25 0.679

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 0.75 1.0 0.75 (0.75)
cmyn4* 0.5 0.0 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 0.679

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 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 2.36
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 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.36 -0.247 -0.028
lab*trc 0.375 0.25 0.518
lab*ncc 0.0 0.25 0.679

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.0 (1.0)
cmyn3* 1.0 0.75 1.0 (0.0)
olvi4* 0.75 1.0 0.75 (0.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 26.54 -27.08 2.47
LAB*Lab 26.54 -17.42 2.36
LAB*TCa 12.5 17.59 172.29

relative CIELAB lab*
lab*lab 0.11 -0.247 0.034
lab*ch 0.125 0.25 0.479
lab*nch 0.0 0.25 0.479
relative Natural Colour (NC)
lab*trj 0.11 -0.247 -0.028
lab*trc 0.125 0.25 0.518
lab*ncc 0.0 0.25 0.679

$n^* = 0.50$

$n^* = 0.25$

$n^* = 0.00$

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 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 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 0.679

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 0.0 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 54.41 -35.05 6.71
LAB*Lab 54.41 -34.86 4.72
LAB*TCa 50.0 35.18 172.29

relative CIELAB lab*
lab*lab 0.47 -0.494 0.067
lab*ch 0.5 0.5 0.479
lab*nch 0.0 0.5 0.479
relative Natural Colour (NC)
lab*trj 0.47 -0.496 -0.056
lab*trc 0.5 0.5 0.518
lab*ncc 0.0 0.5 0.679

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 (0.75)
cmyn4* 0.5 0.0 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 43.59 -32.68 7.08
LAB*Lab 43.59 -32.28 7.08
LAB*TCa 37.5 17.59 172.29

relative CIELAB lab*
lab*lab 0.33 -0.742 0.101
lab*ch 0.375 0.75 0.479
lab*nch 0.0 0.75 0.479
relative Natural Colour (NC)
lab*trj 0.33 -0.744 -0.085
lab*trc 0.375 0.75 0.518
lab*ncc 0.0 0.75 0.679

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.00$

$n^* = 0.00$

$n^* = 0.00$

$n^* = 0.00$

$n^* = 0.00$

%Regularität

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

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

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

relative CIELAB lab*
lab*lab 0.58 -0.742 0.101
lab*ch 0.625 0.75 0.479
lab*nch 0.0 0.75 0.479
relative Natural Colour (NC)
lab*trj 0.58 -0.744 -0.085
lab*trc 0.625 0.75 0.518
lab*ncc 0.0 0.75 0.679

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olvi4* 0.0 1.0 0.0 (1.0)
cmyn4* 1.0 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.11 -69.86 11.28
LAB*Lab 52.11 -69.71 9.44
LAB*TCa 50.0 70.36 172.29

relative CIELAB lab*
lab*lab 0.441 -0.99 0.134
lab*ch 0.5 1.0 0.479
lab*nch 0.0 1.0 0.479
relative Natural Colour (NC)
lab*trj 0.441 -0.992 -0.114
lab*trc 0.5 1.0 0.518
lab*ncc 0.0 1.0 0.679

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

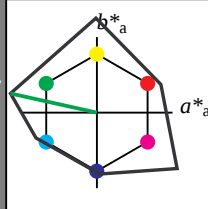
Ausgabe: Farbmetrisches Reflexions-System NCS11

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)
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*TCa 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 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 -
lab*trc 1.0 0.0 -
lab*ncc 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*TCa 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.904 -0.248 -0.018
lab*ch 0.875 0.25 0.512
lab*nch 0.0 0.25 0.512
relative Natural Colour (NC)
lab*trj 0.904 -0.248 -0.018
lab*trc 0.875 0.25 0.512
lab*ncc 0.0 0.25 0.646

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 0.75 1.0 0.75 (0.75)
cmyn4* 0.5 0.0 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 66.22 -28.53 6.34
LAB*Lab 66.22 -28.56 6.34
LAB*TCa 62.5 29.27 167.5

relative CIELAB lab*
lab*lab 0.654 -0.243 0.054
lab*ch 0.625 0.25 0.465
lab*nch 0.25 0.25 0.465
relative Natural Colour (NC)
lab*trj 0.654 -0.248 -0.018
lab*trc 0.625 0.25 0.512
lab*ncc 0.25 0.25 0.646

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 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 45.12 -28.51 6.35
LAB*Lab 45.12 -28.56 6.34
LAB*TCa 37.5 29.27 167.5

relative CIELAB lab*
lab*lab 0.404 -0.243 0.054
lab*ch 0.375 0.25 0.465
lab*nch 0.0 0.25 0.465
relative Natural Colour (NC)
lab*trj 0.404 -0.248 -0.018
lab*trc 0.375 0.25 0.512
lab*ncc 0.0 0.25 0.646

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

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 87.32 -28.53 6.33
LAB*Lab 87.32 -28.55 6.33
LAB*TCa 87.5 29.25 167.5

relative CIELAB lab*
lab*lab 0.904 -0.248 -0.018
lab*ch 0.875 0.25 0.512
lab*nch 0.0 0.25 0.512
relative Natural Colour (NC)
lab*trj 0.904 -0.248 -0.018
lab*trc 0.875 0.25 0.512
lab*ncc 0.0 0.25 0.646

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 0.75 1.0 0.75 (0.75)
cmyn4* 0.5 0.0 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 66.22 -28.53 6.34
LAB*Lab 66.22 -28.56 6.34
LAB*TCa 62.5 29.27 167.5

relative CIELAB lab*
lab*lab 0.654 -0.243 0.054
lab*ch 0.625 0.25 0.465
lab*nch 0.25 0.25 0.465
relative Natural Colour (NC)
lab*trj 0.654 -0.248 -0.018
lab*trc 0.625 0.25 0.512
lab*ncc 0.25 0.25 0.646

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 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 45.12 -28.51 6.35
LAB*Lab 45.12 -28.56 6.34
LAB*TCa 37.5 29.27 167.5

relative CIELAB lab*
lab*lab 0.404 -0.243 0.054
lab*ch 0.375 0.25 0.465
lab*nch 0.0 0.25 0.465
relative Natural Colour (NC)
lab*trj 0.404 -0.248 -0.018
lab*trc 0.375 0.25 0.512
lab*ncc 0.0 0.25 0.646

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

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 87.32 -28.53 6.33
LAB*Lab 87.32 -28.55 6.33
LAB*TCa 87.5 29.25 167.5

relative CIELAB lab*
lab*lab 0.904 -0.248 -0.018
lab*ch 0.875 0.25 0.512

Eingabe: Farbmetrisches Reflexions-System MRS18

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

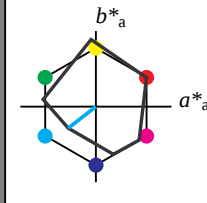
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



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

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0

Ausgabe: Farbmetrisches Reflexions-System NCS11

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

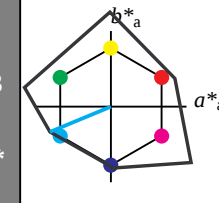
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



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

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0

UG530-7, 5 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (links)

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (rechts)

BAM-Prüfvorlage UG53; Farbmetrik-Systeme ORS18 & ORS18input: `cmv0* setcmvcolor`

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen
Output: `cmv0* setcmvcolor`

Eingabe: Farbmetrisches Reflexions-System MRS18

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

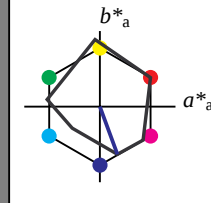
lab^*ch und lab^*nch

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)
LAB*LAB 95.41 -0.97 47.5
LAB*Lab 95.41 0.0 0.0
LAB*TCh 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 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*trc 1.0 0.0 0.0
lab*ncc 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 75.0 0.01 -

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*trj 0.81 0.086 -0.234
lab*trc 0.875 0.25 0.806
lab*ncc 0.0 0.25 0.806

standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCh 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.5 0.0 (0.0)
lab*ch 0.75 0.5 0.0 (0.0)
lab*nch 0.0 0.5 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.75 0.5 0.0 (0.0)
lab*trc 0.75 0.5 0.0 (0.0)
lab*ncc 0.0 0.5 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*Lab 56.71 0.0 0.0
LAB*TCh 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.5 0.0 (0.0)
lab*ch 0.5 0.5 0.0 (0.0)
lab*nch 0.0 0.5 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.0 (0.0)
lab*trc 0.5 0.5 0.0 (0.0)
lab*ncc 0.0 0.5 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*TCh 50.0 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 37.36 -0.38 0.63
LAB*Lab 37.36 0.0 0.0
LAB*TCh 25.0 0.01 -

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

standard and adapted CIELAB
LAB*LAB 37.36 -0.38 0.63
LAB*Lab 37.36 0.0 0.0
LAB*TCh 25.0 0.01 -

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

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)
LAB*LAB 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCh 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.125 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*trj 0.125 0.25 0.806
lab*trc 0.125 0.25 0.806
lab*ncc 0.0 0.25 0.806

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 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.125 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*trj 0.125 0.25 0.806
lab*trc 0.125 0.25 0.806
lab*ncc 0.0 0.25 0.806

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)
LAB*LAB 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCh 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.125 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*trj 0.125 0.25 0.806
lab*trc 0.125 0.25 0.806
lab*ncc 0.0 0.25 0.806

MRS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (0.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 0.5 0.5 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 66.03 11.29 -28.74
LAB*Lab 66.03 11.29 -28.74
LAB*TCh 75.0 33.59 290.19

relative CIELAB lab*
lab*lab 0.62 0.173 -0.468
lab*ch 0.75 0.5 0.0 (0.0)
lab*nch 0.0 0.5 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.62 0.173 -0.468
lab*trc 0.75 0.5 0.0 (0.0)
lab*ncc 0.0 0.5 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 66.03 11.29 -28.74
LAB*Lab 66.03 11.29 -28.74
LAB*TCh 75.0 33.59 290.19

relative CIELAB lab*
lab*lab 0.431 0.193 -0.724
lab*ch 0.625 0.75 0.91
lab*nch 0.0 0.75 0.91
relative Natural Colour (NC)
lab*trj 0.431 0.193 -0.724
lab*trc 0.625 0.75 0.91
lab*ncc 0.0 0.75 0.91

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 31.36 -0.38 0.63
LAB*Lab 31.36 -0.38 0.63
LAB*TCh 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.181 0.259 -0.703
lab*ch 0.375 0.75 0.806
lab*nch 0.0 0.75 0.806
relative Natural Colour (NC)
lab*trj 0.181 0.259 -0.703
lab*trc 0.375 0.75 0.806
lab*ncc 0.0 0.75 0.806

standard and adapted CIELAB
LAB*LAB 31.36 -0.38 0.63
LAB*Lab 31.36 -0.38 0.63
LAB*TCh 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.181 0.259 -0.703
lab*ch 0.375 0.75 0.806
lab*nch 0.0 0.75 0.806
relative Natural Colour (NC)
lab*trj 0.181 0.259 -0.703
lab*trc 0.375 0.75 0.806
lab*ncc 0.0 0.75 0.806

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 11.01 0.0 0.0
LAB*Lab 11.01 0.0 0.0
LAB*TCh 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.125 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*trj 0.125 0.25 0.806
lab*trc 0.125 0.25 0.806
lab*ncc 0.0 0.25 0.806

Ausgabe: Farbmetrisches Reflexions-System NCS11

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

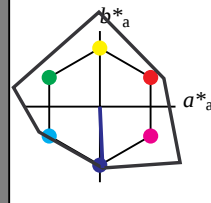
lab^*ch und lab^*nch

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)
LAB*LAB 95.41 0.0 -0.01
LAB*Lab 95.41 0.0 0.0
LAB*TCh 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 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*trc 1.0 0.0 0.0
lab*ncc 0.0 0.0 -

standard and adapted CIELAB
LAB*LAB 95.41 0.0 -0.01
LAB*Lab 95.41 0.0 0.0
LAB*TCh 99.99 0.01 -

relative CIELAB lab*
lab*lab 0.863 0.011 -0.249
lab*ch 0.875 0.25 0.757
lab*nch 0.0 0.25 0.757
relative Natural Colour (NC)
lab*trj 0.863 0.011 -0.249
lab*trc 0.875 0.25 0.757
lab*ncc 0.0 0.25 0.757

standard and adapted CIELAB
LAB*LAB 95.41 0.0 -0.01
LAB*Lab 95.41 0.0 0.0
LAB*TCh 99.99 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (0.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 74.31 0.02 0.0
LAB*Lab 74.31 0.02 0.0
LAB*TCh 75.0 0.01 -

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

standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*Lab 74.31 0.02 0.0
LAB*TCh 75.0 0.01 -

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 53.24 0.04 0.0
LAB*Lab 53.24 0.04 0.0
LAB*TCh 50.0 0.01 -

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

standard and adapted CIELAB
LAB*LAB 53.24 0.04 0.0
LAB*Lab 53.24 0.04 0.0
LAB*TCh 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.25 0.0 (0.0)
lab*ch 0.25 0.25 0.0 (0.0)
lab*nch 0.0 0.25 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.0 (0.0)
lab*trc 0.25 0.25 0.0 (0.0)
lab*ncc 0.0 0.25 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
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (0.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 0.5 0.5 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 63.81 0.93 -20.28
LAB*Lab 63.81 0.93 -20.28
LAB*TCh 87.5 20.31 272.57

relative CIELAB lab*
lab*lab 0.863 0.011 -0.249
lab*ch 0.875 0.25 0.757
lab*nch 0.0 0.25 0.757
relative Natural Colour (NC)
lab*trj 0.863 0.011 -0.249
lab*trc 0.875 0.25 0.757
lab*ncc 0.0 0.25 0.757

standard and adapted CIELAB
LAB*LAB 63.81 0.93 -20.28
LAB*Lab 63.81 0.93 -20.28
LAB*TCh 87.5 20.31 272.57

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 51.11 1.87 -40.58
LAB*Lab 51.11 1.87 -40.58
LAB*TCh 50.0 0.04 272.57

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

standard and adapted CIELAB
LAB*LAB 51.11 1.87 -40.58
LAB*Lab 51.11 1.87 -40.58
LAB*TCh 50.0 0.04 272.57

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 30.51 0.05 0.0
LAB*Lab 30.51 0.05 0.0
LAB*TCh 37.5 0.01 272.57

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.125 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*trj 0.125 0.25 0.806
lab*trc 0.125 0.25 0.806
lab*ncc 0.0 0.25 0.806

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
cmyn4* 0.75 0.75 0.75 (1.0)
LAB*LAB 60.61 2.77 -60.88
LAB*Lab 60.61 2.77 -60.88
LAB*TCh 62.5 60.95 272.57

relative CIELAB lab*
lab*lab 0.588 0.034 -0.748
lab*ch 0.625 0.75 0.757
lab*nch 0.0 0.75 0.757
relative Natural Colour (NC)
lab

Eingabe: Farbmetrisches Reflexions-System MRS18

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

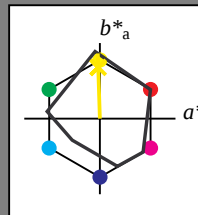
lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit t^*



MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

relative Inform. Technology (IT)	
olvi3*	1.0 1.0 1.0 (1.0)
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 47.5
LAB*LAB	95.41 0.0 0.0
LAB*LAB	95.41 0.0 0.0
relative CIELAB lab*	
lab*lab	1.0 0.0 0.0
lab*lab	1.0 0.0 0.0
lab*lab	1.0 0.0 0.0
relative Natural Colour (NC)	
lab*lab	1.0 0.0 0.0
lab*lab	1.0 0.0 0.0
lab*lab	1.0 0.0 0.0

relative 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	93.72 -0.69 21.57
relative CIELAB lab*	
lab*lab	0.978 -0.007 0.25
lab*lab	0.875 0.25 0.255
lab*lab	0.0 0.25 0.255
relative Natural Colour (NC)	
lab*lab	0.978 0.0 0.25
lab*lab	0.875 0.25 0.255
lab*lab	0.0 0.25 0.255

relative Inform. Technology (IT)	
olvi3*	1.0 0.976 0.5 (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 -1.39 43.14
LAB*LAB	92.04 -1.39 43.14
relative CIELAB lab*	
lab*lab	0.957 -0.015 0.5
lab*lab	0.75 0.5 0.255
lab*lab	0.0 0.5 0.255
relative Natural Colour (NC)	
lab*lab	0.957 0.0 0.5
lab*lab	0.75 0.5 0.255
lab*lab	0.0 0.5 0.255

relative Inform. Technology (IT)	
olvi3*	1.0 0.963 0.25 (1.0)
olvi4*	0.0 0.037 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	90.36 -2.96 69.13
LAB*LAB	90.36 -2.08 64.71
LAB*LAB	90.36 -2.08 64.71
relative CIELAB lab*	
lab*lab	0.932 -0.023 0.75
lab*lab	0.625 0.75 0.255
lab*lab	0.0 0.75 0.255
relative Natural Colour (NC)	
lab*lab	0.932 0.0 0.75
lab*lab	0.625 0.75 0.255
lab*lab	0.0 0.75 0.255

relative Inform. Technology (IT)	
olvi3*	1.0 0.951 0.0 (1.0)
olvi4*	0.0 0.049 1.0 (0.0)
olvi5*	1.0 0.951 0.0 (1.0)
olvi6*	0.0 0.049 1.0 (0.0)
olvi7*	0.0 0.049 1.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	88.68 -3.62 90.58
LAB*LAB	88.68 -2.71 86.27
LAB*LAB	88.68 -2.71 86.27
relative CIELAB lab*	
lab*lab	0.913 -0.031 0.999
lab*lab	0.5 0.0 1.0
lab*lab	0.0 1.0 0.0
relative Natural Colour (NC)	
lab*lab	0.913 0.0 1.0
lab*lab	0.5 0.0 1.0
lab*lab	0.0 1.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.5 0.5 0.5 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
olvi5*	0.5 0.5 0.5 (0.0)
olvi6*	0.0 0.0 0.0 (0.0)
olvi7*	0.5 0.5 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	53.21 0.4 0.0
LAB*LAB	53.21 0.4 0.0
LAB*LAB	53.21 0.4 0.0
relative CIELAB lab*	
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.25 0.25 0.25 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
olvi5*	0.25 0.25 0.25 (0.0)
olvi6*	0.0 0.0 0.0 (0.0)
olvi7*	0.25 0.25 0.25 (0.0)
standard and adapted CIELAB	
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	0.25 0.0 0.0
lab*lab	0.25 0.0 0.0
lab*lab	0.25 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.25 0.0 0.0
lab*lab	0.25 0.0 0.0
lab*lab	0.25 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.125 0.125 0.125 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
olvi5*	0.125 0.125 0.125 (0.0)
olvi6*	0.0 0.0 0.0 (0.0)
olvi7*	0.125 0.125 0.125 (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*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.0625 0.0625 0.0625 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
olvi5*	0.0625 0.0625 0.0625 (0.0)
olvi6*	0.0 0.0 0.0 (0.0)
olvi7*	0.0625 0.0625 0.0625 (0.0)
standard and adapted CIELAB	
LAB*LAB	2.76 0.0 0.0
LAB*LAB	2.76 0.0 0.0
LAB*LAB	2.76 0.0 0.0
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.03125 0.03125 0.03125 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
olvi5*	0.03125 0.03125 0.03125 (0.0)
olvi6*	0.0 0.0 0.0 (0.0)
olvi7*	0.03125 0.03125 0.03125 (0.0)
standard and adapted CIELAB	
LAB*LAB	0.69 0.0 0.0
LAB*LAB	0.69 0.0 0.0
LAB*LAB	0.69 0.0 0.0
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.015625 0.015625 0.015625 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
olvi5*	0.015625 0.015625 0.015625 (0.0)
olvi6*	0.0 0.0 0.0 (0.0)
olvi7*	0.015625 0.015625 0.015625 (0.0)
standard and adapted CIELAB	
LAB*LAB	0.17 0.0 0.0
LAB*LAB	0.17 0.0 0.0
LAB*LAB	0.17 0.0 0.0
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.75 0.75 0.75 (1.0)
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*	0.25 0.25 0.25 (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*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

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*	0.25 0.25 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	74.38 -1.26 24.91
LAB*LAB	74.38 -0.68 21.57
LAB*LAB	74.38 -0.68 21.57
relative CIELAB lab*	
lab*lab	0.728 0.0 0.25
lab*lab	0.625 0.25 0.255
lab*lab	0.0 0.25 0.255
relative Natural Colour (NC)	
lab*lab	0.728 0.0 0.25
lab*lab	0.625 0.25 0.255
lab*lab	0.0 0.25 0.255

relative Inform. Technology (IT)	
olvi3*	0.75 0.728 0.25 (1.0)
olvi4*	0.25 0.25 0.25 (0.0)
olvi5*	1.0 0.728 0.25 (1.0)
olvi6*	0.0 0.25 0.25 (0.0)
olvi7*	0.25 0.25 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	72.7 -1.92 46.37
LAB*LAB	72.7 -1.38 43.14
LAB*LAB	72.7 -1.38 43.14
relative CIELAB lab*	
lab*lab	0.707 0.0 0.5
lab*lab	0.625 0.5 0.255
lab*lab	0.0 0.5 0.255
relative Natural Colour (NC)	
lab*lab	0.707 0.0 0.5
lab*lab	0.625 0.5 0.255
lab*lab	0.0 0.5 0.255

relative Inform. Technology (IT)	
olvi3*	0.75 0.713 0.0 (1.0)
olvi4*	0.25 0.274 0.75 (0.0)
olvi5*	1.0 0.713 0.0 (1.0)
olvi6*	0.0 0.274 0.75 (0.0)
olvi7*	0.25 0.274 0.75 (0.0)
standard and adapted CIELAB	
LAB*LAB	71.02 -2.07 64.7
LAB*LAB	71.02 -1.64 62.21
LAB*LAB	71.02 -1.64 62.21
relative CIELAB lab*	
lab*lab	0.685 -0.023 0.75
lab*lab	0.375 0.75 0.255
lab*lab	0.0 0.75 0.255
relative Natural Colour (NC)	
lab*lab	0.685 0.0 0.75
lab*lab	0.375 0.75 0.255
lab*lab	0.0 0.75 0.255

relative Inform. Technology (IT)	
olvi3*	0.5 0.5 0.5 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
olvi5*	0.5 0.5 0.5 (0.0)
olvi6*	0.0 0.0 0.0 (0.0)
olvi7*	0.5 0.5 0.5 (0.0)
standard and adapted CIELAB	
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	0.25 0.0 0.0
lab*lab	0.25 0.0 0.0
lab*lab	0.25 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.25 0.0 0.0
lab*lab	0.25 0.0 0.0
lab*lab	0.25 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.25 0.25 0.25 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
olvi5*	0.25 0.25 0.25 (0.0)
olvi6*	0.0 0.0 0.0 (0.0)
olvi7*	0.25 0.25 0.25 (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*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.125 0.125 0.125 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
olvi5*	0.125 0.125 0.125 (0.0)
olvi6*	0.0 0.0 0.0 (0.0)
olvi7*	0.125 0.125 0.125 (0.0)
standard and adapted CIELAB	
LAB*LAB	2.76 0.0 0.0
LAB*LAB	2.76 0.0 0.0
LAB*LAB	2.76 0.0 0.0
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.0625 0.0625 0.0625 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
olvi5*	0.0625 0.0625 0.0625 (0.0)
olvi6*	0.0 0.0 0.0 (0.0)
olvi7*	0.0625 0.0625 0.0625 (0.0)
standard and adapted CIELAB	
LAB*LAB	0.69 0.0 0.0
LAB*LAB	0.69 0.0 0.0
LAB*LAB	0.69 0.0 0.0
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.03125 0.03125 0.03125 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
olvi5*	0.03125 0.03125 0.03125 (0.0)
olvi6*	0.0 0.0 0.0 (0.0)
olvi7*	0.03125 0.03125 0.03125 (0.0)
standard and adapted CIELAB	
LAB*LAB	0.17 0.0

Eingabe: Farbmetrisches Reflexions-System MRS18

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

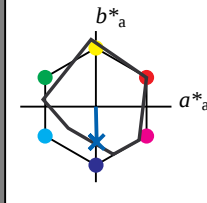
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

Dreiecks-Helligkeit t^*



%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 47.5
LAB*Lab 95.41 0.0 0.0
LAB*TCh 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lr 1.0 0.0 0.0
lab*lc 1.0 0.0 0.0
lab*ncc 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 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lr 0.75 0.0 0.0
lab*lc 0.75 0.0 0.0
lab*ncc 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*TCh 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 -
relative Natural Colour (NC)
lab*lr 0.5 0.0 0.0
lab*lc 0.5 0.0 0.0
lab*ncc 0.0 0.0 -

standard and adapted CIELAB
LAB*LAB 37.36 -0.03 0.63
LAB*Lab 37.36 0.0 0.0
LAB*TCh 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 -
relative Natural Colour (NC)
lab*lr 0.25 0.0 0.0
lab*lc 0.25 0.0 0.0
lab*ncc 0.0 0.0 -

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lr 0.0 0.0 0.0
lab*lc 0.0 0.0 0.0
lab*ncc 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* 0.5 0.526 0.75 (1.0)
cmyn3* 0.5 0.496 0.25 (0.0)
olvi4* 0.5 0.526 0.75 (1.0)
cmyn4* 0.5 0.496 0.25 (0.0)
LAB*LAB 67.57 0.17 -22.28
LAB*Lab 67.57 0.17 -22.28
LAB*TCh 75.00 25.18 27.14

relative CIELAB lab*
lab*lab 0.64 0.012 -0.499
lab*ch 0.75 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*lr 0.64 0.0 -0.499
lab*lc 0.75 0.5 0.754
lab*ncc 0.0 0.5 0.754

standard and adapted CIELAB
LAB*LAB 48.22 0.54 -23.59
LAB*Lab 48.22 0.54 -23.59
LAB*TCh 50.00 25.18 27.14

relative CIELAB lab*
lab*lab 0.46 0.018 -0.749
lab*ch 0.625 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*lr 0.46 0.0 -0.749
lab*lc 0.625 0.75 0.754
lab*ncc 0.0 0.75 0.754

standard and adapted CIELAB
LAB*LAB 34.3 1.1 -37.12
LAB*Lab 34.3 1.1 -37.12
LAB*TCh 37.51 37.77 27.14

relative CIELAB lab*
lab*lab 0.211 0.018 -0.749
lab*ch 0.375 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*lr 0.211 0.0 -0.749
lab*lc 0.375 0.75 0.754
lab*ncc 0.0 0.75 0.754

standard and adapted CIELAB
LAB*LAB 28.87 0.62 -25.16
LAB*Lab 28.87 0.62 -25.16
LAB*TCh 25.01 25.18 27.14

relative CIELAB lab*
lab*lab 0.14 0.012 -0.499
lab*ch 0.25 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*lr 0.14 0.0 -0.499
lab*lc 0.25 0.5 0.754
lab*ncc 0.0 0.5 0.754

$n^* = 0.50$

relative Inform. Technology (IT)
olvi3* 0.25 0.256 0.75 (1.0)
cmyn3* 0.25 0.246 0.25 (0.0)
olvi4* 0.25 0.256 0.75 (1.0)
cmyn4* 0.25 0.246 0.25 (0.0)
LAB*LAB 43.12 0.17 -12.28
LAB*Lab 43.12 0.17 -12.28
LAB*TCh 50.00 25.18 27.14

relative CIELAB lab*
lab*lab 0.316 0.012 -0.499
lab*ch 0.5 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*lr 0.316 0.0 -0.499
lab*lc 0.5 0.5 0.754
lab*ncc 0.0 0.5 0.754

standard and adapted CIELAB
LAB*LAB 39.73 1.32 -49.33
LAB*Lab 39.73 1.32 -49.33
LAB*TCh 50.00 25.18 27.14

relative CIELAB lab*
lab*lab 0.281 0.012 -0.499
lab*ch 0.5 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*lr 0.281 0.0 -0.499
lab*lc 0.5 0.5 0.754
lab*ncc 0.0 0.5 0.754

standard and adapted CIELAB
LAB*LAB 32.11 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lr 0.25 0.0 0.0
lab*lc 0.25 0.0 0.0
lab*ncc 0.0 0.0 -

standard and adapted CIELAB
LAB*LAB 11.01 0.0 -

$n^* = 0.00$

relative Inform. Technology (IT)
olvi3* 0.0 0.367 1.0 (1.0)
cmyn3* 1.0 0.633 0.0 (0.0)
olvi4* 0.0 0.367 1.0 (1.0)
cmyn4* 0.0 0.633 0.0 (0.0)
LAB*LAB 53.21 0.04 -

relative CIELAB lab*
lab*lab 0.5 0.5 0.0
lab*ch 0.5 0.5 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lr 0.5 0.5 0.0
lab*lc 0.5 0.5 0.0
lab*ncc 0.0 0.0 -

standard and adapted CIELAB
LAB*LAB 53.21 0.04 -

relative CIELAB lab*
lab*lab 0.5 0.5 0.0
lab*ch 0.5 0.5 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lr 0.5 0.5 0.0
lab*lc 0.5 0.5 0.0
lab*ncc 0.0 0.0 -

standard and adapted CIELAB
LAB*LAB 32.11 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lr 0.25 0.0 0.0
lab*lc 0.25 0.0 0.0
lab*ncc 0.0 0.0 -

standard and adapted CIELAB
LAB*LAB 11.01 0.0 -

$n^* = 0.00$

Ausgabe: Farbmetrisches Reflexions-System NCS11

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

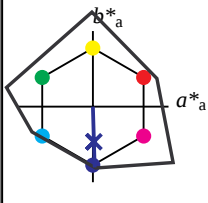
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit t^*



%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*TCh 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 -
relative Natural Colour (NC)
lab*lr 1.0 0.0 0.0
lab*lc 1.0 0.0 0.0
lab*ncc 0.0 0.0 -

standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*Lab 74.31 0.02 0.0
LAB*TCh 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.5 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lr 0.5 0.0 0.0
lab*lc 0.75 0.0 0.0
lab*ncc 0.0 0.0 -

standard and adapted CIELAB
LAB*LAB 53.21 0.04 -

relative CIELAB lab*
lab*lab 0.5 0.5 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lr 0.5 0.0 0.0
lab*lc 0.75 0.0 0.0
lab*ncc 0.0 0.0 -

standard and adapted CIELAB
LAB*LAB 32.11 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.5 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lr 0.5 0.0 0.0
lab*lc 0.75 0.0 0.0
lab*ncc 0.0 0.0 -

standard and adapted CIELAB
LAB*LAB 11.01 0.0 -

relative CIELAB lab*
lab*lab 0.5 0.5 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lr 0.5 0.0 0.0
lab*lc 0.75 0.0 0.0
lab*ncc 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* 0.5 0.508 1.0 (1.0)
cmyn3* 0.5 0.492 0.0 (0.0)
olvi4* 0.5 0.508 1.0 (1.0)
cmyn4* 0.5 0.492 0.0 (0.0)
LAB*LAB 72.29 1.2 -40.21
LAB*Lab 72.29 1.2 -40.21
LAB*TCh 75.00 40.24 27.66

relative CIELAB lab*
lab*lab 0.726 0.014 -0.499
lab*ch 0.75 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*lr 0.726 0.0 -0.499
lab*lc 0.75 0.5 0.755
lab*ncc 0.0 0.5 0.755

standard and adapted CIELAB
LAB*LAB 60.73 1.79 -60.32
LAB*Lab 60.73 1.79 -60.32
LAB*TCh 62.5 60.36 27.66

relative CIELAB lab*
lab*lab 0.589 0.022 -0.749
lab*ch 0.625 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*lr 0.589 0.0 -0.749
lab*lc 0.625 0.75 0.755
lab*ncc 0.0 0.75 0.755

standard and adapted CIELAB
LAB*LAB 51.19 1.21 -40.21
LAB*Lab 51.19 1.21 -40.21
LAB*TCh 50.00 40.25 27.66

relative CIELAB lab*
lab*lab 0.476 0.015 -0.499
lab*ch 0.5 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*lr 0.476 0.0 -0.499
lab*lc 0.5 0.5 0.755
lab*ncc 0.0 0.5 0.755

standard and adapted CIELAB
LAB*LAB 30.09 1.18 -40.21
LAB*Lab 30.09 1.18 -40.21
LAB*TCh 25.01 40.24 27.66

relative CIELAB lab*
lab*lab 0.226 0.015 -0.499
lab*ch 0.25 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*lr 0.226 0.0 -0.499
lab*lc 0.25 0.5 0.755
lab*ncc 0.0 0.5 0.755

$n^* = 0.50$

relative Inform. Technology (IT)
olvi3* 0.25 0.258 0.75 (1.0)
cmyn3* 0.25 0.248 0.25 (0.0)
olvi4* 0.25 0.258 0.75 (1.0)
cmyn4* 0.25 0.248 0.25 (0.0)
LAB*LAB 43.12 0.17 -12.28
LAB*Lab 43.12 0.17 -12.28
LAB*TCh 50.00 25.18 27.14

relative CIELAB lab*
lab*lab 0.316 0.012 -0.499
lab*ch 0.5 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*lr 0.316 0.0 -0.499
lab*lc 0.5 0.5 0.754
lab*ncc 0.0 0.5 0.754

standard and adapted CIELAB
LAB*LAB 39.73 1.32 -49.33
LAB*Lab 39.73 1.32 -49.33
LAB*TCh 50.00 25.18 27.14

relative CIELAB lab*
lab*lab 0.281 0.012 -0.499
lab*ch 0.5 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*lr 0.281 0.0 -0.499
lab*lc 0.5 0.5 0.754
lab*ncc 0.0 0.5 0.754

standard and adapted CIELAB
LAB*LAB 32.11 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lr 0.25 0.0 0.0
lab*lc 0.25 0.0 0.0
lab*ncc 0.0 0.0 -

standard and adapted CIELAB
LAB*LAB 11.01 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 -
relative Natural Colour (NC)
lab*lr 0.25 0.0 0.0
lab*lc 0.25 0.0 0.0
lab*ncc 0.0 0.0 -

$n^* = 0.00$

relative Inform. Technology (IT)
olvi3* 0.0 0.016 1.0 (1.0)
cmyn3* 1.0 0.984 0.0 (0.0)
olvi4* 0.0 0.016 1.0 (1.0)
cmyn4* 1.0 0.984 0.0 (0.0)
LAB*LAB 49.18 2.39 -80.42
LAB*Lab 49.18 2.39 -80.42
LAB*TCh 50.00 80.48 27.67

relative CIELAB lab*
lab*lab 0.452 0.029 -0.998
lab*ch 0.5 1.0 0.755
lab*nch 0.0 1.0 0.755
relative Natural Colour (NC)
lab*lr 0.452 0.0 -0.998
lab*lc 0.5 1.0 0.755
lab*ncc 0.0 1.0 0.755

standard and adapted CIELAB
LAB*LAB 49.18 2.39 -80.42
LAB*Lab 49.18 2.39 -80.42
LAB*TCh 50.00 80.48 27.67

relative CIELAB lab*
lab*lab 0.339 0.022 -0.749
lab*ch 0.375 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*lr 0.339 0.0 -0.749
lab*lc 0.375 0.75 0.755
lab*ncc 0.0 0.75 0.755

standard and adapted CIELAB
LAB*LAB 25.01 40.24 27.66

relative CIELAB lab*
lab*lab 0.226 0.015 -0.499
lab*ch 0.25 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*lr 0.226 0.0 -0.499
lab*lc 0.25 0.5 0.755
lab*ncc 0.0 0.5 0.755

standard and adapted CIELAB
LAB*LAB 11.01 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 -
relative Natural Colour (NC)
lab*lr 0.25 0.0 0.0
lab*lc 0.25 0.0 0.0
lab*ncc 0.0 0.0 -

$n^* = 0.00$