

Eingabe: Farbmetrisches Reflexions-System MRS18

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

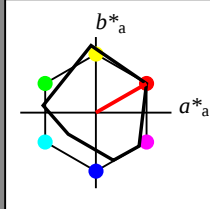
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%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	9.31
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	-0.97	47.5	9.31
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LAB	95.41	0.0	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*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*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	83.96	15.97	13.58	18.63
LAB*LAB	83.96	16.73	9.59	18.63
LAB*LAB	83.96	16.73	9.59	18.63

standard and adapted CIELAB

LAB*LAB	83.96	15.97	13.58	18.63
LAB*LAB	83.96	16.73	9.59	18.63
LAB*LAB	83.96	16.73	9.59	18.63

relative CIELAB lab*

lab*lab	0.852	0.217	0.124	0.249
lab*ch	0.875	0.25	0.083	0.249
lab*nch	0.0	0.25	0.083	0.249

relative Natural Colour (NC)

lab*trj	0.852	0.248	0.03	0.249
lab*trc	0.875	0.25	0.019	0.249
lab*ncc	0.0	0.25	0.071	0.249

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
LAB*LAB	72.52	32.93	22.4	28.78
LAB*LAB	72.52	33.47	19.18	28.78
LAB*LAB	72.52	33.47	19.18	28.78

standard and adapted CIELAB

LAB*LAB	72.52	32.93	22.4	28.78
LAB*LAB	72.52	33.47	19.18	28.78
LAB*LAB	72.52	33.47	19.18	28.78

relative CIELAB lab*

lab*lab	0.704	0.434	0.249	0.249
lab*ch	0.75	0.5	0.083	0.249
lab*nch	0.0	0.5	0.083	0.249

relative Natural Colour (NC)

lab*trj	0.704	0.496	0.06	0.249
lab*trc	0.75	0.5	0.019	0.249
lab*ncc	0.0	0.5	0.071	0.249

relative Inform. Technology (IT)

olvi3*	1.0	0.25	0.25	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	61.07	49.89	31.22	36.36
LAB*LAB	61.07	50.21	28.78	36.36
LAB*LAB	61.07	50.21	28.78	36.36

standard and adapted CIELAB

LAB*LAB	61.07	49.89	31.22	36.36
LAB*LAB	61.07	50.21	28.78	36.36
LAB*LAB	61.07	50.21	28.78	36.36

relative CIELAB lab*

lab*lab	0.559	0.651	0.373	0.249
lab*ch	0.625	0.75	0.083	0.249
lab*nch	0.0	0.75	0.083	0.249

relative Natural Colour (NC)

lab*trj	0.559	0.745	0.09	0.249
lab*trc	0.625	0.75	0.019	0.249
lab*ncc	0.0	0.75	0.071	0.249

relative Inform. Technology (IT)

olvi3*	1.0	0.0	0.0	(1.0)
cmyn3*	0.0	1.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	1.0	0.0	(0.0)
LAB*LAB	49.63	66.96	38.37	77.18
LAB*LAB	49.63	66.96	38.37	77.18
LAB*LAB	49.63	66.96	38.37	77.18

standard and adapted CIELAB

LAB*LAB	49.63	66.96	38.37	77.18
LAB*LAB	49.63	66.96	38.37	77.18
LAB*LAB	49.63	66.96	38.37	77.18

relative CIELAB lab*

lab*lab	0.409	0.993	0.119	0.249
lab*ch	0.409	0.993	0.119	0.249
lab*nch	0.0	1.0	0.071	0.249

relative Natural Colour (NC)

lab*trj	0.409	0.993	0.119	0.249
lab*trc	0.409	0.993	0.119	0.249
lab*ncc	0.0	1.0	0.071	0.249

relative Inform. Technology (IT)

olvi3*	1.0	0.0	0.0	(1.0)
cmyn3*	0.0	1.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	1.0	0.0	(0.0)
LAB*LAB	49.63	66.96	38.37	77.18
LAB*LAB	49.63	66.96	38.37	77.18
LAB*LAB	49.63	66.96	38.37	77.18

standard and adapted CIELAB

LAB*LAB	49.63	66.96	38.37	77.18
LAB*LAB	49.63	66.96	38.37	77.18
LAB*LAB	49.63	66.96	38.37	77.18

relative CIELAB lab*

lab*lab	0.306	0.651	0.373	0.249
lab*ch	0.375	0.75	0.083	0.249
lab*nch	0.0	0.75	0.083	0.249

relative Natural Colour (NC)

lab*trj	0.306	0.745	0.09	0.249
lab*trc	0.375	0.75	0.019	0.249
lab*ncc	0.0	0.75	0.071	0.249

relative Inform. Technology (IT)

olvi3*	1.0	0.0	0.0	(1.0)
cmyn3*	0.0	1.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	1.0	0.0	(0.0)
LAB*LAB	49.63	66.96	38.37	77.18
LAB*LAB	49.63	66.96	38.37	77.18
LAB*LAB	49.63	66.96	38.37	77.18

standard and adapted CIELAB

LAB*LAB	49.63	66.96	38.37	77.18
LAB*LAB	49.63	66.96	38.37	77.18
LAB*LAB	49.63	66.96	38.37	77.18

relative CIELAB lab*

lab*lab	0.25	0.0	0.0	0.0
lab*ch	0.25	0.0	0.0	0.0
lab*nch	0.0	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0	0.0
lab*trc	0.25	0.0	0.0	0.0
lab*ncc	0.0	1.0	0.0	0.0

$n^* = 1.0$

relative Inform. Technology (IT)

olvi3*	1.0	0.25	0.25	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.25	0.25	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	56.71	-0.23	21.4	18.63
LAB*LAB	56.71	0.0	0.0	18.63
LAB*LAB	56.71	0.0	0.0	18.63

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	21.4	18.63
LAB*LAB	56.71	0.0	0.0	18.63
LAB*LAB	56.71	0.0	0.0	18.63

relative CIELAB lab*

lab*lab	0.5	0.0	0.0	0.0
lab*ch	0.5	0.0	0.0	0.0
lab*nch	0.0	0.5	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0	0.0
lab*trc	0.5	0.0	0.0	0.0
lab*ncc	0.0	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
LAB*LAB	45.26	16.72	10.97	18.63
LAB*LAB	45.26	16.72	10.97	18.63
LAB*LAB	45.26	16.72	10.97	18.63

standard and adapted CIELAB

LAB*LAB	45.26	16.72	10.97	18.63
LAB*LAB	45.26	16.72	10.97	18.63
LAB*LAB	45.26	16.72	10.97	18.63

relative CIELAB lab*

lab*lab	0.332	0.217	0.124	0.249
lab*ch	0.375	0.25	0.083	0.249
lab*nch	0.0	0.25	0.083	0.249

relative Natural Colour (NC)

lab*trj	0.332	0.248	0.03	0.249
lab*trc	0.375	0.25	0.019	0.249
lab*ncc	0.0	0.25	0.071	0.249

relative Inform. Technology (IT)

olvi3*	1.0	0.0	0.0	(1.0)
cmyn3*	0.0	1.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	1.0	0.0	(0.0)
LAB*LAB	33.62	33.67	19.79	18.63
LAB*LAB	33.62	33.67	19.79	18.63
LAB*LAB	33.62	33.67	19.79	18.63

standard and adapted CIELAB

LAB*LAB	33.62	33.67	19.79	18.63
LAB*LAB	33.62	33.67	19.79	18.63
LAB*LAB	33.62	33.67	19.79	18.63

relative CIELAB lab*

lab*lab	0.204	0.434	0.249	0.249
lab*ch	0.25	0.5	0.083	0.249
lab*nch	0.0	0.5	0.083	0.249

relative Natural Colour (NC)

lab*trj	0.204	0.496	0.06	0.249
lab*trc	0.25	0.5	0.019	0.249
lab*ncc	0.0	0.5	0.071	0.249

$n^* = 0.50$

relative Inform. Technology (IT)

olvi3*	1.0	0.0	0.0	(1.0)
cmyn3*	0.0	1.0	0.0	(0.0)
olvi4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	1.0	0.0	(0.0)
LAB*LAB	33.62	33.67	19.79	18.63
LAB*LAB	33.62	33.67	19.79	18.63
LAB*LAB	33.62	33.67	19.79	18.63

standard and adapted CIELAB

LAB*LAB	33.62	33.67	19.79	18.63
LAB*LAB	33.62	33.67	19.79	18.63
LAB*LAB	33.62	33.67	19.79	18.63

relative CIELAB lab*

lab*lab	0.204	0.434	0.249	0.249
lab*ch	0.25	0.5	0.083	0.249
lab*nch	0.0	0.5	0.083	0.249

relative Natural Colour (NC)

lab*trj	0.204	0.496	0.06	0.249
lab*trc	0.25	0.5	0.019	0.249
lab*ncc	0.0	0.5	0.071	0.249

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.00$

UG530-7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (rechts)

BAM-Prüfvorlage UG53; Farbmetrik-Systeme MRS18 & NCS11input: $cmy0^* setcmykcolor$

D65: 2 Koordinaten-Daten von 25stufigen Farbreihen für 10 Bunttonen: $u^* setrgbcolor / w^* setgray$

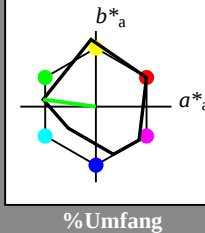
Eingabe: Farbmetrisches Reflexions-System MRS18

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*LABa 95.41 0.0 0.0
LAB*TCHa 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 -

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*TCHa 75.0 0.01 -

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

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*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*trc 0.5 0.0 0.0
lab*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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.46
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 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 -

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 0.46
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 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 -

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

%Umfang

$u^*_{rel} = 91$

%Regularität

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

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

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*LABa 84.58 -17.42 2.36
LAB*TCHa 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 0.676

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 65.23 -17.83 5.08
LAB*LABa 65.23 -17.42 2.36
LAB*TCHa 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 0.0 0.25 0.518
relative Natural Colour (NC)
lab*trj 0.61 -0.247 -0.028
lab*trc 0.625 0.25 0.518
lab*ncc 0.0 0.25 0.676

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 45.88 -17.46 3.78
LAB*LABa 45.88 -17.42 2.36
LAB*TCHa 37.5 17.59 172.29

relative CIELAB lab*
lab*lab 0.36 -0.247 -0.028
lab*ch 0.375 0.25 0.518
lab*nch 0.0 0.25 0.518
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 0.676

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.5 0.0 (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 35.06 -34.67 5.41
LAB*LABa 35.06 -34.85 4.72
LAB*TCHa 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 -0.494 -0.056
lab*trc 0.25 0.5 0.518
lab*ncc 0.0 0.5 0.676

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 0.46
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 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 -

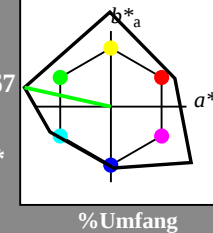
Ausgabe: Farbmetrisches Reflexions-System NCS11

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*LABa 95.41 0.0 0.0
LAB*TCHa 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 -

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

relative 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 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 -
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 -

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 -
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 -

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

%Umfang

$u^*_{rel} = 149$

%Regularität

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

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

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*LABa 87.32 -28.55 6.33
LAB*TCHa 87.5 29.25 167.5

relative CIELAB lab*
lab*lab 0.904 -0.248 -0.018
lab*ch 0.908 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 0.908 0.25 0.512
lab*ncc 0.0 0.25 0.646

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 66.22 -28.53 6.34
LAB*LABa 66.22 -28.56 6.34
LAB*TCHa 62.5 29.27 167.5

relative CIELAB lab*
lab*lab 0.654 -0.243 0.054
lab*ch 0.658 0.25 0.465
lab*nch 0.0 0.25 0.465
relative Natural Colour (NC)
lab*trj 0.654 -0.248 -0.018
lab*trc 0.658 0.25 0.512
lab*ncc 0.0 0.25 0.646

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

relative CIELAB lab*
lab*lab 0.404 -0.243 0.054
lab*ch 0.408 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 0.408 0.25 0.512
lab*ncc 0.0 0.25 0.646

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.5 0.0 (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 37.04 -57.12 12.67
LAB*LABa 37.04 -57.12 12.67
LAB*TCHa 25.01 58.52 167.5

relative CIELAB lab*
lab*lab 0.309 -0.487 0.108
lab*ch 0.312 0.5 0.465
lab*nch 0.0 0.5 0.465
relative Natural Colour (NC)
lab*trj 0.309 -0.492 -0.037
lab*trc 0.312 0.5 0.512
lab*ncc 0.0 0.5 0.646

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 37.04 -57.12 12.67
LAB*LABa 37.04 -57.12 12.67
LAB*TCHa 25.01 58.52 167.5

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 -

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

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

BAM-Prüfvorlage UG53; Farbmetrik-Systeme MRS18 & NCS11input: `cmv0* setcmvcolor`

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttoninput: `olvi3* setrgbcolor / w* setgray`

1,00

Category	Item	Value
Category 1	Item 1	Value 1
Category 1	Item 2	Value 2
Category 1	Item 3	Value 3
Category 1	Item 4	Value 4
Category 1	Item 5	Value 5
Category 1	Item 6	Value 6
Category 1	Item 7	Value 7
Category 1	Item 8	Value 8
Category 1	Item 9	Value 9
Category 1	Item 10	Value 10
Category 1	Item 11	Value 11
Category 1	Item 12	Value 12
Category 1	Item 13	Value 13
Category 1	Item 14	Value 14
Category 1	Item 15	Value 15
Category 1	Item 16	Value 16
Category 1	Item 17	Value 17
Category 1	Item 18	Value 18
Category 1	Item 19	Value 19
Category 1	Item 20	Value 20
Category 1	Item 21	Value 21
Category 1	Item 22	Value 22
Category 1	Item 23	Value 23
Category 1	Item 24	Value 24
Category 1	Item 25	Value 25
Category 1	Item 26	Value 26
Category 1	Item 27	Value 27
Category 1	Item 28	Value 28
Category 1	Item 29	Value 29
Category 1	Item 30	Value 30
Category 1	Item 31	Value 31
Category 1	Item 32	Value 32
Category 1	Item 33	Value 33
Category 1	Item 34	Value 34
Category 1	Item 35	Value 35
Category 1	Item 36	Value 36
Category 1	Item 37	Value 37
Category 1	Item 38	Value 38
Category 1	Item 39	Value 39
Category 1	Item 40	Value 40
Category 1	Item 41	Value 41
Category 1	Item 42	Value 42
Category 1	Item 43	Value 43
Category 1	Item 44	Value 44
Category 1	Item 45	Value 45
Category 1	Item 46	Value 46
Category 1	Item 47	Value 47
Category 1	Item 48	Value 48
Category 1	Item 49	Value 49
Category 1	Item 50	Value 50
Category 1	Item 51	Value 51
Category 1	Item 52	Value 52
Category 1	Item 53	Value 53
Category 1	Item 54	Value 54
Category 1	Item 55	Value 55
Category 1	Item 56	Value 56
Category 1	Item 57	Value 57
Category 1	Item 58	Value 58
Category 1	Item 59	Value 59
Category 1	Item 60	Value 60
Category 1	Item 61	Value 61
Category 1	Item 62	Value 62
Category 1	Item 63	Value 63
Category 1	Item 64	Value 64
Category 1	Item 65	Value 65
Category 1	Item 66	Value 66
Category 1	Item 67	Value 67
Category 1	Item 68	Value 68
Category 1	Item 69	Value 69
Category 1	Item 70	Value 70
Category 1	Item 71	Value 71
Category 1	Item 72	Value 72
Category 1	Item 73	Value 73
Category 1	Item 74	Value 74
Category 1	Item 75	Value 75
Category 1	Item 76	Value 76
Category 1	Item 77	Value 77
Category 1	Item 78	Value 78
Category 1	Item 79	Value 79
Category 1	Item 80	Value 80
Category 1	Item 81	Value 81
Category 1	Item 82	Value 82
Category 1	Item 83	Value 83
Category 1	Item 84	Value 84
Category 1	Item 85	Value 85
Category 1	Item 86	Value 86
Category 1	Item 87	Value 87
Category 1	Item 88	Value 88
Category 1	Item 89	Value 89
Category 1	Item 90	Value 90
Category 1	Item 91	Value 91
Category 1	Item 92	Value 92
Category 1	Item 93	Value 93
Category 1	Item 94	Value 94
Category 1	Item 95	Value 95
Category 1	Item 96	Value 96
Category 1	Item 97	Value 97
Category 1	Item 98	Value 98
Category 1	Item 99	Value 99
Category 1	Item 100	Value 100

Eingabe: Farbmetrisches Reflexions-System MRS18

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

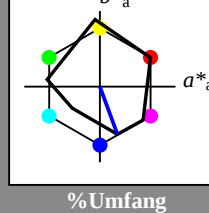
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 91$

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

Ausgabe: Farbmetrisches Reflexions-System NCS11

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

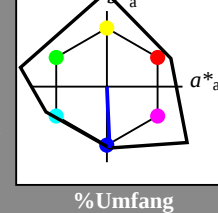
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 149$

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

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

BAM-Prüfvorlage UG53; Farbmetrik-Systeme MRS18 & NCS11input: $cmY0^* setcmykcolor$

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

Eingabe: Farbmetrisches Reflexions-System MRS18

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

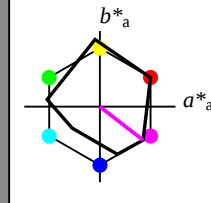
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



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 7.5
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

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

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

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 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*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (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 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 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*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.26 0.13 0.63
LAB*LABa 37.26 0.0 0.0
LAB*LABb 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 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*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 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*tce 1.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 1.0 0.75 1.0 (1.0)
cmyn3* 0.0 0.75 0.0 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.29 13.6 -7.31
LAB*LABa 80.29 14.29 -11.05
LAB*LABb 87.5 18.07 322.25

relative CIELAB lab*
lab*lab 0.895 0.198 -0.152
lab*tch 0.875 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.895 0.162 -0.189
lab*tce 0.875 0.25 0.867
lab*nce 0.0 0.25 0.844

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.75 1.0 (0.0)
cmyn4* 0.0 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 60.94 13.97 -8.62
LAB*LABa 60.94 14.29 -11.06
LAB*LABb 62.5 18.08 322.25

relative CIELAB lab*
lab*lab 0.555 0.198 -0.152
lab*tch 0.625 0.25 0.895
lab*nch 0.25 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.555 0.162 -0.189
lab*tce 0.625 0.25 0.862
lab*nce 0.25 0.25 0.844

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 0.75 1.0 (0.0)
cmyn4* 0.0 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 41.25 14.34 -9.93
LAB*LABa 41.25 14.29 -11.06
LAB*LABb 37.5 18.08 322.25

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

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olvi4* 1.0 0.75 1.0 (0.0)
cmyn4* 0.0 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 26.48 28.52 -22.01
LAB*LABa 26.48 28.52 -22.01
LAB*LABb 25.01 36.15 322.25

relative CIELAB lab*
lab*lab 0.109 0.395 -0.305
lab*tch 0.25 0.5 0.895
lab*nch 0.25 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.109 0.324 -0.38
lab*tce 0.25 0.5 0.862
lab*nce 0.25 0.5 0.844

relative Inform. Technology (IT)
olvi3* 0.055 0.198 -0.152
lab*tch 0.125 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.055 0.162 -0.189
lab*tce 0.125 0.25 0.862
lab*nce 0.0 0.25 0.844

$n^* = 0.50$

MRS18; adaptierte CIELAB-Daten

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

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 65.17 28.58 -22.12
LAB*LABa 65.17 28.58 -22.12
LAB*LABb 75.0 36.15 322.25

relative CIELAB lab*
lab*lab 0.609 0.395 -0.305
lab*tch 0.75 0.5 0.895
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.609 0.324 -0.38
lab*tce 0.75 0.5 0.862
lab*nce 0.0 0.5 0.844

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.75 (1.0)
cmyn3* 0.25 0.75 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (0.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 45.83 28.56 -20.71
LAB*LABa 45.83 28.56 -20.71
LAB*LABb 50.0 36.15 322.25

relative CIELAB lab*
lab*lab 0.359 0.395 -0.305
lab*tch 0.5 0.5 0.895
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.359 0.324 -0.38
lab*tce 0.5 0.5 0.862
lab*nce 0.0 0.5 0.844

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (0.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.72 43.13 -33.79
LAB*LABa 30.72 43.13 -33.79
LAB*LABb 37.51 54.22 322.25

relative CIELAB lab*
lab*lab 0.164 0.593 -0.458
lab*tch 0.375 0.75 0.895
lab*nch 0.25 0.75 0.895
relative Natural Colour (NC)
lab*trj 0.164 0.486 -0.57
lab*tce 0.375 0.75 0.862
lab*nce 0.25 0.75 0.844

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.25 (0.0)
olvi4* 1.0 0.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 16.06 28.52 -22.01
LAB*LABa 16.06 28.52 -22.01
LAB*LABb 25.01 36.15 322.25

relative CIELAB lab*
lab*lab 0.109 0.395 -0.305
lab*tch 0.25 0.0 0.895
lab*nch 0.25 0.0 0.895
relative Natural Colour (NC)
lab*trj 0.109 0.324 -0.38
lab*tce 0.25 0.0 0.862
lab*nce 0.25 0.0 0.844

$n^* = 0.25$

relative Inform. Technology (IT)
olvi3* 1.0 0.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.06 42.76 -31.49
LAB*LABa 50.06 42.76 -31.49
LAB*LABb 62.5 54.22 322.25

relative CIELAB lab*
lab*lab 0.414 0.593 -0.458
lab*tch 0.625 0.75 0.895
lab*nch 0.0 0.75 0.895
relative Natural Colour (NC)
lab*trj 0.414 0.486 -0.57
lab*tce 0.625 0.75 0.862
lab*nce 0.0 0.75 0.844

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 1.0 0.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 34.95 57.34 -43.57
LAB*LABa 34.95 57.34 -43.57
LAB*LABb 50.0 72.29 322.25

relative CIELAB lab*
lab*lab 0.219 0.791 -0.611
lab*tch 0.5 0.0 0.895
lab*nch 0.0 0.0 0.895
relative Natural Colour (NC)
lab*trj 0.219 0.648 -0.76
lab*tce 0.5 0.0 0.862
lab*nce 0.0 0.0 0.844

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 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 40.36 26.58 -18.46
LAB*LABa 40.36 26.58 -18.46
LAB*LABb 37.5 32.12 325.12

relative CIELAB lab*
lab*lab 0.348 0.205 -0.142
lab*tch 0.375 0.25 0.903
lab*nch 0.25 0.25 0.903
relative Natural Colour (NC)
lab*trj 0.348 0.168 -0.184
lab*tce 0.375 0.25 0.867
lab*nce 0.25 0.25 0.844

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 27.53 33.03 -36.95
LAB*LABa 27.53 33.03 -36.95
LAB*LABb 25.01 64.65 325.12

$n^* = 0.00$

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 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 48.63 53.09 -36.95
LAB*LABa 48.63 53.09 -36.95
LAB*LABb 50.0 64.65 325.12

relative CIELAB lab*
lab*lab 0.544 0.615 -0.428
lab*tch 0.625 0.75 0.903
lab*nch 0.25 0.75 0.903
relative Natural Colour (NC)
lab*trj 0.544 0.504 -0.554
lab*tce 0.625 0.75 0.867
lab*nce 0.25 0.75 0.844

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (0.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 44.06 106.12 -73.91
LAB*LABa 44.06 106.12 -73.91
LAB*LABb 50.0 129.29 325.12

relative CIELAB lab*
lab*lab 0.392 0.82 -0.571
lab*tch 0.5 0.0 0.903
lab*nch 0.0 0.0 0.903
relative Natural Colour (NC)
lab*trj 0.392 0.673 -0.739
lab*tce 0.5 0.0 0.867
lab*nce 0.0 0.0 0.844

$n^* = 0.00$

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

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

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

relative CIELAB lab*
lab*lab 0.895 0.198 -0.152
lab*tch 0.875 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.895 0.162 -0.189
lab*tce 0.875 0.25 0.867
lab*nce 0.0 0.25 0.844

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 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.04 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 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*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*LABb 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 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*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 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*tce 1.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

Ausgabe: Farbmetrisches Reflexions-System NCS11

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

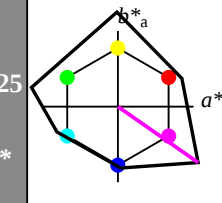
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



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

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

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

relative CIELAB lab*
lab*lab 0.895 0.198 -0.152
lab*tch 0.875 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.895 0.162 -0.189
lab*tce 0.875 0.25 0.867
lab*nce 0.0 0.25 0.844

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 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.04 0.0
LAB*LABb 50.0 0.01 -

</

Eingabe: Farbmetrisches Reflexions-System MRS18

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

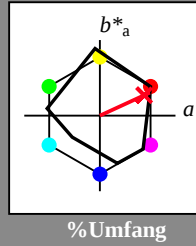
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	0.0	0.0	0.0	(0.0)
olvi6*	0.0	0.0	0.0	(0.0)
olvi7*	0.0	0.0	0.0	(0.0)
olvi8*	0.0	0.0	0.0	(0.0)
olvi9*	0.0	0.0	0.0	(0.0)
olvi10*	0.0	0.0	0.0	(0.0)
olvi11*	0.0	0.0	0.0	(0.0)
olvi12*	0.0	0.0	0.0	(0.0)
olvi13*	0.0	0.0	0.0	(0.0)
olvi14*	0.0	0.0	0.0	(0.0)
olvi15*	0.0	0.0	0.0	(0.0)
olvi16*	0.0	0.0	0.0	(0.0)
olvi17*	0.0	0.0	0.0	(0.0)
olvi18*	0.0	0.0	0.0	(0.0)
olvi19*	0.0	0.0	0.0	(0.0)
olvi20*	0.0	0.0	0.0	(0.0)
olvi21*	0.0	0.0	0.0	(0.0)
olvi22*	0.0	0.0	0.0	(0.0)
olvi23*	0.0	0.0	0.0	(0.0)
olvi24*	0.0	0.0	0.0	(0.0)
olvi25*	0.0	0.0	0.0	(0.0)
olvi26*	0.0	0.0	0.0	(0.0)
olvi27*	0.0	0.0	0.0	(0.0)
olvi28*	0.0	0.0	0.0	(0.0)
olvi29*	0.0	0.0	0.0	(0.0)
olvi30*	0.0	0.0	0.0	(0.0)
olvi31*	0.0	0.0	0.0	(0.0)
olvi32*	0.0	0.0	0.0	(0.0)
olvi33*	0.0	0.0	0.0	(0.0)
olvi34*	0.0	0.0	0.0	(0.0)
olvi35*	0.0	0.0	0.0	(0.0)
olvi36*	0.0	0.0	0.0	(0.0)
olvi37*	0.0	0.0	0.0	(0.0)
olvi38*	0.0	0.0	0.0	(0.0)
olvi39*	0.0	0.0	0.0	(0.0)
olvi40*	0.0	0.0	0.0	(0.0)
olvi41*	0.0	0.0	0.0	(0.0)
olvi42*	0.0	0.0	0.0	(0.0)
olvi43*	0.0	0.0	0.0	(0.0)
olvi44*	0.0	0.0	0.0	(0.0)
olvi45*	0.0	0.0	0.0	(0.0)
olvi46*	0.0	0.0	0.0	(0.0)
olvi47*	0.0	0.0	0.0	(0.0)
olvi48*	0.0	0.0	0.0	(0.0)
olvi49*	0.0	0.0	0.0	(0.0)
olvi50*	0.0	0.0	0.0	(0.0)
olvi51*	0.0	0.0	0.0	(0.0)
olvi52*	0.0	0.0	0.0	(0.0)
olvi53*	0.0	0.0	0.0	(0.0)
olvi54*	0.0	0.0	0.0	(0.0)
olvi55*	0.0	0.0	0.0	(0.0)
olvi56*	0.0	0.0	0.0	(0.0)
olvi57*	0.0	0.0	0.0	(0.0)
olvi58*	0.0	0.0	0.0	(0.0)
olvi59*	0.0	0.0	0.0	(0.0)
olvi60*	0.0	0.0	0.0	(0.0)
olvi61*	0.0	0.0	0.0	(0.0)
olvi62*	0.0	0.0	0.0	(0.0)
olvi63*	0.0	0.0	0.0	(0.0)
olvi64*	0.0	0.0	0.0	(0.0)
olvi65*	0.0	0.0	0.0	(0.0)
olvi66*	0.0	0.0	0.0	(0.0)
olvi67*	0.0	0.0	0.0	(0.0)
olvi68*	0.0	0.0	0.0	(0.0)
olvi69*	0.0	0.0	0.0	(0.0)
olvi70*	0.0	0.0	0.0	(0.0)
olvi71*	0.0	0.0	0.0	(0.0)
olvi72*	0.0	0.0	0.0	(0.0)
olvi73*	0.0	0.0	0.0	(0.0)
olvi74*	0.0	0.0	0.0	(0.0)
olvi75*	0.0	0.0	0.0	(0.0)
olvi76*	0.0	0.0	0.0	(0.0)
olvi77*	0.0	0.0	0.0	(0.0)
olvi78*	0.0	0.0	0.0	(0.0)
olvi79*	0.0	0.0	0.0	(0.0)
olvi80*	0.0	0.0	0.0	(0.0)
olvi81*	0.0	0.0	0.0	(0.0)
olvi82*	0.0	0.0	0.0	(0.0)
olvi83*	0.0	0.0	0.0	(0.0)
olvi84*	0.0	0.0	0.0	(0.0)
olvi85*	0.0	0.0	0.0	(0.0)
olvi86*	0.0	0.0	0.0	(0.0)
olvi87*	0.0	0.0	0.0	(0.0)
olvi88*	0.0	0.0	0.0	(0.0)
olvi89*	0.0	0.0	0.0	(0.0)
olvi90*	0.0	0.0	0.0	(0.0)
olvi91*	0.0	0.0	0.0	(0.0)
olvi92*	0.0	0.0	0.0	(0.0)
olvi93*	0.0	0.0	0.0	(0.0)
olvi94*	0.0	0.0	0.0	(0.0)
olvi95*	0.0	0.0	0.0	(0.0)
olvi96*	0.0	0.0	0.0	(0.0)
olvi97*	0.0	0.0	0.0	(0.0)
olvi98*	0.0	0.0	0.0	(0.0)
olvi99*	0.0	0.0	0.0	(0.0)
olvi100*	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.75	(1.0)
olvi4*	0.0	0.25	0.25	(0.0)
olvi5*	0.0	0.75	0.75	(0.0)
olvi6*	0.0	0.25	0.25	(0.0)
olvi7*	0.0	0.75	0.75	(0.0)
olvi8*	0.0	0.25	0.25	(0.0)
olvi9*	0.0	0.75	0.75	(0.0)
olvi10*	0.0	0.25	0.25	(0.0)
olvi11*	0.0	0.75	0.75	(0.0)
olvi12*	0.0	0.25	0.25	(0.0)
olvi13*	0.0	0.75	0.75	(0.0)
olvi14*	0.0	0.25	0.25	(0.0)
olvi15*	0.0	0.75	0.75	(0.0)
olvi16*	0.0	0.25	0.25	(0.0)
olvi17*	0.0	0.75	0.75	(0.0)
olvi18*	0.0	0.25	0.25	(0.0)
olvi19*	0.0	0.75	0.75	(0.0)
olvi20*	0.0	0.25	0.25	(0.0)
olvi21*	0.0	0.75	0.75	(0.0)
olvi22*	0.0	0.25	0.25	(0.0)
olvi23*	0.0	0.75	0.75	(0.0)
olvi24*	0.0	0.25	0.25	(0.0)
olvi25*	0.0	0.75	0.75	(0.0)
olvi26*	0.0	0.25	0.25	(0.0)
olvi27*	0.0	0.75	0.75	(0.0)
olvi28*	0.0	0.25	0.25	(0.0)
olvi29*	0.0	0.75	0.75	(0.0)
olvi30*	0.0	0.25	0.25	(0.0)
olvi31*	0.0	0.75	0.75	(0.0)
olvi32*	0.0	0.25	0.25	(0.0)
olvi33*	0.0	0.75	0.75	(0.0)
olvi34*	0.0	0.25	0.25	(0.0)
olvi35*	0.0	0.75	0.75	(0.0)
olvi36*	0.0	0.25	0.25	(0.0)
olvi37*	0.0	0.75	0.75	(0.0)
olvi38*	0.0	0.25	0.25	(0.0)
olvi39*	0.0	0.75	0.75	(0.0)
olvi40*	0.0	0.25	0.25	(0.0)
olvi41*	0.0	0.75	0.75	(0.0)
olvi42*	0.0	0.25	0.25	(0.0)
olvi43*	0.0	0.75	0.75	(0.0)
olvi44*	0.0	0.25	0.25	(0.0)
olvi45*	0.0	0.75	0.75	(0.0)
olvi46*	0.0	0.25	0.25	(0.0)
olvi47*	0.0	0.75	0.75	(0.0)
olvi48*	0.0	0.25	0.25	(0.0)
olvi49*	0.0	0.75	0.75	(0.0)
olvi50*	0.0	0.25	0.25	(0.0)
olvi51*	0.0	0.75	0.75	(0.0)
olvi52*	0.0	0.25	0.25	(0.0)
olvi53*	0.0	0.75	0.75	(0.0)
olvi54*	0.0	0.25	0.25	(0.0)
olvi55*	0.0	0.75	0.75	(0.0)
olvi56*	0.0	0.25	0.25	(0.0)
olvi57*	0.0	0.75	0.75	(0.0)
olvi58*	0.0	0.25	0.25	(0.0)
olvi59*	0.0	0.75	0.75	(0.0)
olvi60*	0.0	0.25	0.25	(0.0)
olvi61*	0.0	0.75	0.75	(0.0)
olvi62*	0.0	0.25	0.25	(0.0)
olvi63*	0.0	0.75	0.75	(0.0)
olvi64*	0.0	0.25	0.25	(0.0)
olvi65*	0.0	0.75	0.75	(0.0)
olvi66*	0.0	0.25	0.25	(0.0)
olvi67*	0.0	0.75	0.75	(0.0)
olvi68*	0.0	0.25	0.25	(0.0)
olvi69*	0.0	0.75	0.75	(0.0)
olvi70*	0.0	0.25	0.25	(0.0)
olvi71*	0.0	0.75	0.75	(0.0)
olvi72*	0.0	0.25	0.25	(0.0)
olvi73*	0.0	0.75	0.75	(0.0)
olvi74*	0.0	0.25	0.25	(0.0)
olvi75*	0.0	0.75	0.75	(0.0)
olvi76*	0.0	0.25	0.25	(0.0)
olvi77*	0.0	0.75	0.75	(0.0)
olvi78*	0.0	0.25	0.25	(0.0)
olvi79*	0.0	0.75	0.75	(0.0)
olvi80*	0.0	0.25	0.25	(0.0)
olvi81*	0.0	0.75	0.75	(0.0)
olvi82*	0.0	0.25	0.25	(0.0)
olvi83*	0.0	0.75	0.75	(0.0)
olvi84*	0.0	0.25	0.25	(0.0)
olvi85*	0.0	0.75	0.75	(0.0)
olvi86*	0.0	0.25	0.25	(0.0)
olvi87*	0.0	0.75	0.75	(0.0)
olvi88*	0.0	0.25	0.25	(0.0)
olvi89*	0.0	0.75	0.75	(0.0)
olvi90*	0.0	0.25	0.25	(0.0)
olvi91*	0.0	0.75	0.75	(0.0)
olvi92*	0.0	0.25	0.25	(0.0)
olvi93*	0.0	0.75	0.75	(0.0)
olvi94*	0.0	0.25	0.25	(0.0)
olvi95*	0.0	0.75	0.75	(0.0)
olvi96*	0.0	0.25	0.25	(0.0)
olvi97*	0.0	0.75	0.75	(0.0)
olvi98*	0.0	0.25	0.25	(0.0)
olvi99*	0.0	0.75	0.75	(0.0)
olvi100*	0.0	0.25	0.25	(0.0)

relative CIELAB lab*			
lab*lab	0.847	0.227	0.104
lab* <i>t</i> ch	0.875	0.25	0.069
lab* <i>n</i> ch	0.0	0.25	0.069
relative Natural Colour (NC)			
lab* <i>l</i> rj	0.847	0.25	0.0
lab* <i>t</i> ce	0.875	0.25	1.0
lab* <i>n</i> ce	0.0	0.25	b99r

Eingabe: Farbmetrisches Reflexions-System MRS18

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

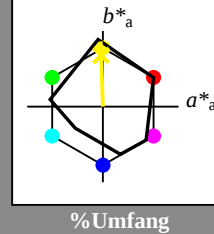
lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 47.5
LAB*LAB 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 1.0 0.988 0.75 (1.0)
cmyn3* 0.0 0.012 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 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*TCRa 97.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 1.0 0.978 0.75 (1.0)
cmyn3* 0.0 0.022 0.25 (0.0)
olvi4* 1.0 0.978 0.75 (1.0)
cmyn4* 0.0 0.022 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 92.04 -2.3 47.67
LAB*LAB 92.04 -1.39 43.14
LAB*TCRa 97.5 43.16 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.963 0.75 (1.0)
cmyn3* 0.0 0.037 0.25 (0.0)
olvi4* 1.0 0.963 0.75 (1.0)
cmyn4* 0.0 0.037 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 90.36 -2.96 69.13
LAB*LAB 90.36 -2.08 64.71
LAB*TCRa 97.5 64.74 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.951 0.0 (1.0)
cmyn3* 0.0 0.049 1.0 (0.0)
olvi4* 1.0 0.951 0.0 (1.0)
cmyn4* 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*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

MRS18; adaptierte CIELAB-Daten

$L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$

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

%Regularität

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

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

%Umfang

$u^*_{rel} = 91$

%Umfang

$u^*_{rel} = 149$

%Umfang

$u^*_{rel} = 149$

%Umfang

$u^*_{rel} = 149$

%Umfang

$u^*_{rel} = 149$

%Umfang

$u^*_{rel} = 149$

%Umfang

$u^*_{rel} = 149$

%Umfang

$u^*_{rel} = 149$

%Umfang

$u^*_{rel} = 149$

%Umfang

$u^*_{rel} = 149$

%Umfang

$u^*_{rel} = 149$

%Umfang

$u^*_{rel} = 149$

%Umfang

$u^*_{rel} = 149$

%Umfang

$u^*_{rel} = 149$

%Umfang

$u^*_{rel} = 149$

Ausgabe: Farbmetrisches Reflexions-System NCS11

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

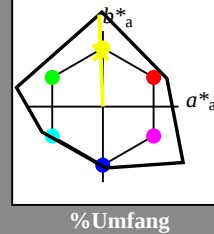
lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 47.5
LAB*LAB 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 1.0 0.988 0.75 (1.0)
cmyn3* 0.0 0.012 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 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*TCRa 97.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 1.0 0.978 0.75 (1.0)
cmyn3* 0.0 0.022 0.25 (0.0)
olvi4* 1.0 0.978 0.75 (1.0)
cmyn4* 0.0 0.022 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 92.04 -2.3 47.67
LAB*LAB 92.04 -1.39 43.14
LAB*TCRa 97.5 43.16 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.963 0.75 (1.0)
cmyn3* 0.0 0.037 0.25 (0.0)
olvi4* 1.0 0.963 0.75 (1.0)
cmyn4* 0.0 0.037 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 90.36 -2.96 69.13
LAB*LAB 90.36 -2.08 64.71
LAB*TCRa 97.5 64.74 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.951 0.0 (1.0)
cmyn3* 0.0 0.049 1.0 (0.0)
olvi4* 1.0 0.951 0.0 (1.0)
cmyn4* 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*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 88.68 -3.62 90.58
LAB*LAB 88.68 -2.71 86.27
LAB*TCRa 50.0 86.32 91.85

UG53-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

BAM-Prüfvorlage UG53; Farbmetrik-Systeme MRS18 & NCS11input: `cmv0* setcmvcolor`

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttoninput: `olv* setrgbcolor / w* setgray`

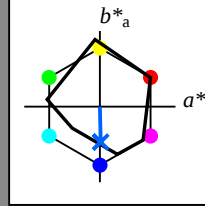
Eingabe: Farbmetrisches Reflexions-System MRS18

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^*



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	0.0
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LAB	99.99	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	0.0
lab*ch	0.0	1.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	0.0
lab*trc	1.0	0.0	0.0	0.0
lab*ncc	0.0	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	0.0
LAB*LAB	76.06	0.0	0.0	0.0
LAB*LAB	75.00	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	0.0
lab*ch	0.0	0.75	0.0	0.0
lab*nch	0.0	0.0	0.75	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0	0.0
lab*trc	0.0	0.75	0.0	0.0
lab*ncc	0.0	0.0	0.75	0.0

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)
LAB*LAB	56.71	-0.23	2.14	0.0
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LAB	50.00	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0	0.0
lab*ch	0.0	0.5	0.0	0.0
lab*nch	0.0	0.0	0.5	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0	0.0
lab*trc	0.0	0.5	0.0	0.0
lab*ncc	0.0	0.0	0.5	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	37.36	-0.36	0.63	0.0
LAB*LAB	37.36	0.0	0.0	0.0
LAB*LAB	25.00	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0	0.0
lab*ch	0.0	0.25	0.0	0.0
lab*nch	0.0	0.0	0.25	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0	0.0
lab*trc	0.0	0.25	0.0	0.0
lab*ncc	0.0	0.0	0.25	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	-0.01	0.46	0.0
LAB*LAB	18.02	0.0	0.0	0.0
LAB*LAB	0.01	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	0.0
lab*ch	0.0	1.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	0.0
lab*trc	0.0	1.0	0.0	0.0
lab*ncc	0.0	0.0	1.0	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	0.5	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)
LAB*LAB	67.57	0.17	-22.28	0.0
LAB*LAB	67.57	0.01	-25.16	0.0
LAB*LAB	75.00	25.18	27.14	0.0

relative CIELAB lab*

lab*lab	0.64	0.012	-0.499	0.0
lab*ch	0.75	0.5	0.754	0.0
lab*nch	0.0	0.5	0.754	0.0

relative Natural Colour (NC)

lab*trj	0.64	0.0	-0.499	0.0
lab*trc	0.75	0.5	0.754	0.0
lab*ncc	0.0	0.5	0.754	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.434	0.75	(1.0)
cmyn3*	0.75	0.566	0.25	(0.0)
olvi4*	0.5	0.684	1.0	(1.0)
cmyn4*	0.5	0.316	0.0	(0.0)
LAB*LAB	48.22	0.54	-23.59	0.0
LAB*LAB	48.22	0.62	-25.17	0.0
LAB*LAB	50.00	25.18	27.14	0.0

relative CIELAB lab*

lab*lab	0.46	0.018	-0.749	0.0
lab*ch	0.625	0.75	0.754	0.0
lab*nch	0.0	0.75	0.754	0.0

relative Natural Colour (NC)

lab*trj	0.46	0.0	-0.749	0.0
lab*trc	0.625	0.75	0.754	0.0
lab*ncc	0.0	0.75	0.754	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.184	0.5	(1.0)
cmyn3*	1.0	0.816	0.5	(0.0)
olvi4*	0.5	0.684	1.0	(1.0)
cmyn4*	0.5	0.316	0.0	(0.0)
LAB*LAB	28.87	0.62	-25.16	0.0
LAB*LAB	28.87	0.92	-27.14	0.0
LAB*LAB	25.01	25.18	27.14	0.0

relative CIELAB lab*

lab*lab	0.14	0.012	-0.499	0.0
lab*ch	0.25	0.5	0.754	0.0
lab*nch	0.0	0.5	0.754	0.0

relative Natural Colour (NC)

lab*trj	0.14	0.0	-0.499	0.0
lab*trc	0.25	0.5	0.754	0.0
lab*ncc	0.0	0.5	0.754	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.998	0.75	(0.0)
olvi4*	0.5	0.842	1.0	(1.0)
cmyn4*	0.25	0.158	0.0	(0.0)
LAB*LAB	23.44	0.71	-12.67	0.0
LAB*LAB	23.44	0.31	-12.58	0.0
LAB*LAB	12.59	27.14	27.14	0.0

relative CIELAB lab*

lab*lab	0.07	0.006	-0.249	0.0
lab*ch	0.125	0.25	0.754	0.0
lab*nch	0.0	0.25	0.754	0.0

relative Natural Colour (NC)

lab*trj	0.07	0.0	-0.249	0.0
lab*trc	0.125	0.25	0.754	0.0
lab*ncc	0.0	0.25	0.754	0.0

$n^* = 0.50$

relative Inform. Technology (IT)

olvi3*	0.25	0.526	1.0	(1.0)
cmyn3*	0.75	0.474	0.0	(0.0)
olvi4*	0.25	0.526	1.0	(1.0)
cmyn4*	0.75	0.474	0.0	(0.0)
LAB*LAB	53.65	0.74	-35.81	0.0
LAB*LAB	53.65	0.92	-37.75	0.0
LAB*LAB	62.5	37.77	27.14	0.0

relative CIELAB lab*

lab*lab	0.46	0.018	-0.749	0.0
lab*ch	0.625	0.75	0.754	0.0
lab*nch	0.0	0.75	0.754	0.0

relative Natural Colour (NC)

lab*trj	0.46	0.0	-0.749	0.0
lab*trc	0.625	0.75	0.754	0.0
lab*ncc	0.0	0.75	0.754	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.278	0.75	(1.0)
cmyn3*	1.0	0.633	0.0	(0.0)
olvi4*	0.0	0.367	1.0	(1.0)
cmyn4*	0.0	0.367	1.0	(1.0)
LAB*LAB	39.73	1.32	-49.33	0.0
LAB*LAB	39.73	1.23	-50.34	0.0
LAB*LAB	50.00	50.36	27.14	0.0

relative CIELAB lab*

lab*lab	0.281	0.025	-0.998	0.0
lab*ch	0.5	0.0	0.754	0.0
lab*nch	0.0	0.0	0.754	0.0

relative Natural Colour (NC)

lab*trj	0.281	0.0	-0.999	0.0
lab*trc	0.5	0.0	0.754	0.0
lab*ncc	0.0	0.0	0.754	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	34.3	1.1	-37.12	0.0
LAB*LAB	34.3	0.93	-37.73	0.0
LAB*LAB	37.51	37.77	27.14	0.0

relative CIELAB lab*

lab*lab	0.211	0.018	-0.749	0.0
lab*ch	0.375	0.75	0.754	0.0
lab*nch	0.0	0.75	0.754	0.0

relative Natural Colour (NC)

lab*trj	0.211	0.0	-0.749	0.0
lab*trc	0.375	0.75	0.754	0.0
lab*ncc	0.0	0.75	0.754	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.184	0.5	(1.0)
cmyn3*	1.0	0.816	0.5	(0.0)
olvi4*	0.5	0.684	1.0	(1.0)
cmyn4*	0.5	0.316	0.0	(0.0)
LAB*LAB	28.87	0.62	-25.16	0.0
LAB*LAB	28.87	0.92	-27.14	0.0
LAB*LAB	25.01	25.18	27.14	0.0

relative CIELAB lab*

lab*lab	0.14	0.012	-0.499	0.0
lab*ch	0.25	0.5	0.754	0.0
lab*nch	0.0	0.5	0.754	0.0

relative Natural Colour (NC)

lab*trj	0.14	0.0	-0.499	0.0
lab*trc	0.25	0.5	0.754	0.0
lab*ncc	0.0	0.5	0.754	0.0

$n^* = 0.25$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	11.01	0.0	0.0	0.0
LAB*LAB	11.01	0.0	0.0	0.0
LAB*LAB	0.01	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	0.0
lab*ch	0.0	1.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	0.0
lab*trc	0.0	1.0	0.0	0.0
lab*ncc	0.0	0.0	1.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	11.01	0.0	0.0	0.0
LAB*LAB	11.01	0.0	0.0	0.0
LAB*LAB	0.01	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	0.0
lab*ch	0.0	1.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	0.0
lab*trc	0.0	1.0	0.0	0.0
lab*ncc	0.0	0.0	1.0	0.0

$n^* = 0.00$

0,75

relative Inform. Tech				
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				
LAB*LAB	74.31	0.0	0.0	0.0
LAB*LAB	74.31	0.0	0.0	0.0
LAB*TeHa	75.0	0.0	0.0	0.0
relative CIE LAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*ch	0.75	0.75	0.75	0.0
lab*nch	0.25	0.0	0.0	0.0
relative Natural Color				
lab*lrj	0.75	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0
lab*nCe	0.25	0.0	0.0	0.0