

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 24/360 = 0.067$

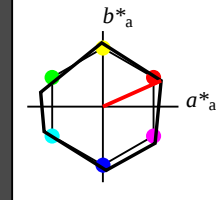
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 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*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0

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

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.75 0.75 0.75 (1.0)

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 0.04 0.0
LAB*LABb 53.21 0.04 0.0
LAB*LABc 53.21 0.04 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)

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 0.07 0.01
LAB*LABa 32.11 0.07 0.01
LAB*LABb 32.11 0.07 0.01
LAB*LABc 32.11 0.07 0.01

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)

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 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*LABb 11.01 0.07 0.01
LAB*LABc 11.01 0.07 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)

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 0.01 0.01 0.01
LAB*LABa 0.01 0.01 0.01
LAB*LABb 0.01 0.01 0.01
LAB*LABc 0.01 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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)
standard and adapted CIELAB
LAB*LAB 74.3 38.55 17.16
LAB*LABa 74.3 38.55 17.16
LAB*LABb 74.3 38.55 17.16
LAB*LABc 74.3 38.55 17.16

relative CIELAB lab*
lab*lab 0.75 0.5 0.5 (1.0)
lab*lab 0.75 0.5 0.5 (1.0)
lab*lab 0.75 0.5 0.5 (1.0)
lab*lab 0.75 0.5 0.5 (1.0)
lab*lab 0.75 0.5 0.5 (1.0)
lab*lab 0.75 0.5 0.5 (1.0)
lab*lab 0.75 0.5 0.5 (1.0)
lab*lab 0.75 0.5 0.5 (1.0)
lab*lab 0.75 0.5 0.5 (1.0)
lab*lab 0.75 0.5 0.5 (1.0)

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.25 (1.0)
cmyn3* 0.25 0.75 0.75 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 53.2 38.57 17.17
LAB*LABa 53.2 38.57 17.17
LAB*LABb 53.2 38.57 17.17
LAB*LABc 53.2 38.57 17.17

relative CIELAB lab*
lab*lab 0.5 0.25 0.25 (1.0)
lab*lab 0.5 0.25 0.25 (1.0)
lab*lab 0.5 0.25 0.25 (1.0)
lab*lab 0.5 0.25 0.25 (1.0)
lab*lab 0.5 0.25 0.25 (1.0)
lab*lab 0.5 0.25 0.25 (1.0)
lab*lab 0.5 0.25 0.25 (1.0)
lab*lab 0.5 0.25 0.25 (1.0)
lab*lab 0.5 0.25 0.25 (1.0)
lab*lab 0.5 0.25 0.25 (1.0)

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 32.1 38.52 17.16
LAB*LABa 32.1 38.52 17.16
LAB*LABb 32.1 38.52 17.16
LAB*LABc 32.1 38.52 17.16

relative CIELAB lab*
lab*lab 0.25 0.0 0.0 (1.0)
lab*lab 0.25 0.0 0.0 (1.0)
lab*lab 0.25 0.0 0.0 (1.0)
lab*lab 0.25 0.0 0.0 (1.0)
lab*lab 0.25 0.0 0.0 (1.0)
lab*lab 0.25 0.0 0.0 (1.0)
lab*lab 0.25 0.0 0.0 (1.0)
lab*lab 0.25 0.0 0.0 (1.0)
lab*lab 0.25 0.0 0.0 (1.0)
lab*lab 0.25 0.0 0.0 (1.0)

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 21.55 19.33 8.6
LAB*LABa 21.55 19.33 8.6
LAB*LABb 21.55 19.33 8.6
LAB*LABc 21.55 19.33 8.6

relative CIELAB lab*
lab*lab 0.125 0.228 0.102
lab*lab 0.125 0.228 0.102
lab*lab 0.125 0.228 0.102
lab*lab 0.125 0.228 0.102
lab*lab 0.125 0.228 0.102
lab*lab 0.125 0.228 0.102
lab*lab 0.125 0.228 0.102
lab*lab 0.125 0.228 0.102
lab*lab 0.125 0.228 0.102
lab*lab 0.125 0.228 0.102

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 38/360 = 0.105$

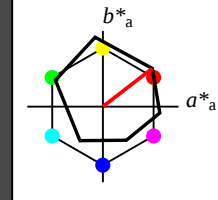
lab^*ch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 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*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.344
LAB*LABa 76.06 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.75 0.75 0.75 (1.0)

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 0.23 2.14
LAB*LABb 56.71 0.23 2.14
LAB*LABc 56.71 0.23 2.14

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)

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 32.13 0.13 0.08
LAB*LABa 32.13 0.13 0.08
LAB*LABb 32.13 0.13 0.08
LAB*LABc 32.13 0.13 0.08

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)

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 0.5 0.46
LAB*LABa 18.02 0.5 0.46
LAB*LABb 18.02 0.5 0.46
LAB*LABc 18.02 0.5 0.46

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)
lab*lab 0.0 0.0 0.0 (1.0)

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (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)
standard and adapted CIELAB
LAB*LAB 71.67 32.68 25.25
LAB*LABa 71.67 32.68 25.25
LAB*LABb 71.67 32.68 25.25
LAB*LABc 71.67 32.68 25.25

relative CIELAB lab*
lab*lab 0.693 0.396 0.306
lab*lab 0.693 0.396 0.306
lab*lab 0.693 0.396 0.306
lab*lab 0.693 0.396 0.306
lab*lab 0.693 0.396 0.306
lab*lab 0.693 0.396 0.306
lab*lab 0.693 0.396 0.306
lab*lab 0.693 0.396 0.306
lab*lab 0.693 0.396 0.306
lab*lab 0.693 0.396 0.306

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.25 (1.0)
cmyn3* 0.25 0.75 0.75 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 52.33 32.53 27.11
LAB*LABa 52.33 32.53 27.11
LAB*LABb 52.33 32.53 27.11
LAB*LABc 52.33 32.53 27.11

relative CIELAB lab*
lab*lab 0.54 0.15 0.225
lab*lab 0.54 0.15 0.225
lab*lab 0.54 0.15 0.225
lab*lab 0.54 0.15 0.225
lab*lab 0.54 0.15 0.225
lab*lab 0.54 0.15 0.225
lab*lab 0.54 0.15 0.225
lab*lab 0.54 0.15 0.225
lab*lab 0.54 0.15 0.225
lab*lab 0.54 0.15 0.225

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 32.98 32.68 25.25
LAB*LABa 32.98 32

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab \cdot h = 91/360 = 0.253$

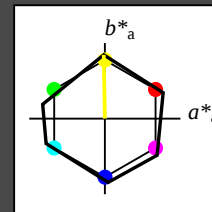
$lab \cdot tch$ und $lab \cdot nch$

D65: Buntton J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 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)
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*tch	1.0	0.0	0.0	
lab*nch	0.0	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	0.0	0.0	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	74.31	0.02	0.0	
LAB*LABa	74.31	0.02	0.0	
LAB*TCHa	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)
LAB*LAB	53.21	0.04	0.0	
LAB*LABa	53.21	0.04	0.0	
LAB*TCHa	50.00	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)
LAB*LAB	32.11	0.07	0.01	
LAB*LABa	32.11	0.07	0.01	
LAB*TCHa	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	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	11.01	0.07	0.01	
LAB*LABa	11.01	0.07	0.01	
LAB*TCHa	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	

$n^* = 1.0$

NRS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	1.0	(0.0)
LAB*LAB	74.3	-0.72	42.18	
LAB*LABa	74.3	-0.72	42.18	
LAB*TCHa	75.0	42.19	91.03	

relative CIELAB lab*

lab*lab	0.75	0.0	0.5	(1.0)
lab*tch	0.75	0.0	0.5	(1.0)
lab*nch	0.0	0.5	0.5	(0.0)

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.5	(1.0)
lab*tce	0.75	0.0	0.5	(1.0)
lab*nce	0.0	0.5	0.5	(0.0)

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.25	(1.0)
cmyn3*	0.25	0.25	0.75	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
LAB*LAB	53.2	-0.72	42.19	
LAB*LABa	53.2	-0.72	42.19	
LAB*TCHa	50.0	42.19	91.03	

relative CIELAB lab*

lab*lab	0.75	0.0	0.25	(1.0)
lab*tch	0.75	0.0	0.25	(1.0)
lab*nch	0.0	0.25	0.25	(0.0)

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.25	(1.0)
lab*tce	0.75	0.0	0.25	(1.0)
lab*nce	0.0	0.25	0.25	(0.0)

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
LAB*LAB	42.65	-1.08	63.29	
LAB*LABa	42.65	-1.08	63.29	
LAB*TCHa	37.51	63.28	91.03	

relative CIELAB lab*

lab*lab	0.5	0.0	0.0	(1.0)
lab*tch	0.5	0.0	0.0	(1.0)
lab*nch	0.0	0.0	0.0	(0.0)

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0	(1.0)
lab*tce	0.5	0.0	0.0	(1.0)
lab*nce	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
LAB*LAB	32.1	-0.69	42.2	
LAB*LABa	32.1	-0.69	42.2	
LAB*TCHa	25.01	42.19	91.03	

relative CIELAB lab*

lab*lab	0.25	0.0	0.0	(1.0)
lab*tch	0.25	0.0	0.0	(1.0)
lab*nch	0.0	0.0	0.0	(0.0)

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0	(1.0)
lab*tce	0.25	0.0	0.0	(1.0)
lab*nce	0.0	0.0	0.0	(0.0)

$n^* = 0.50$

$n^* = 0.00$

$n^* = 0.25$

Schwarzheit n^*

relative Buntheit c^*

0.25

0.50

0.75

1.00

relative Buntheit c^*

0.25

0.50

0.75

1.00

relative Buntheit c^*

0.25

0.50

0.75

1.00

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab \cdot h = 96/360 = 0.268$

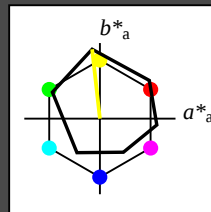
$lab \cdot tch$ und $lab \cdot nch$

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 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)
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*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)
LAB*LAB	76.06	-0.6	3.44	
LAB*LABa	76.06	-0.6	3.44	
LAB*TCHa	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	(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	
LAB*LABa	56.71	0.23	2.14	
LAB*TCHa	50.00	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)
LAB*LAB	37.51	0.23	2.14	
LAB*LABa	37.51	0.23	2.14	
LAB*TCHa	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	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	0.5	0.46	
LAB*LABa	18.02	0.5	0.46	
LAB*TCHa	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	

$n^* = 1.0$

%Regularität

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

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

relative Inform. Technology (IT)			
olvi3*	1.0	1.0	0.5 (1.0)
cmyn3*	0.0	0.0	0.5 (0.0)
olvi4*	1.0	1.0	0.5 1.0
cmyn4*	0.0	0.0	0.5 0.0
standard and adapted CIELAB			
LAB*LAB	92.88	-6.06	50.46
LAB*LABa	92.88	-5.13	45.87
LAB*TCHa	75.0	46.16	96.39

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 203/360 = 0.564$

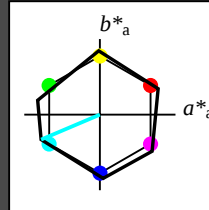
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 119$

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*TCRa	99.99	0.01	0.0	

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)	1.0	0.0	0.0	
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)
LAB*LAB	74.31	0.02	0.0	
LAB*LAB	74.31	0.02	0.0	
LAB*TCRa	75.00	0.01	0.0	

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)	0.75	0.0	0.0	
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)
LAB*LAB	53.21	0.04	0.0	
LAB*LAB	53.21	0.04	0.0	
LAB*TCRa	50.00	0.01	0.0	

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)	0.5	0.0	0.0	
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)
LAB*LAB	32.11	0.07	0.01	
LAB*LAB	32.11	0.07	0.01	
LAB*TCRa	25.00	0.01	0.0	

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)	0.25	0.0	0.0	
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	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	11.01	0.07	0.01	
LAB*LAB	11.01	0.07	0.01	
LAB*TCRa	0.01	0.01	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)	0.0	0.0	0.0	
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	1.0	0.0	0.0	

$n^* = 1.0$

relative Inform. Technology (IT)

olvi3*	0.75	1.0	1.0	(1.0)
cmyn3*	0.25	0.0	0.0	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)
LAB*LAB	84.85	-19.4	-8.23	
LAB*LAB	84.85	-19.4	-8.23	
LAB*TCRa	87.5	21.1	20.30	

relative CIELAB lab*

lab*lab	0.875	-0.229	-0.097	
lab*tch	0.875	0.25	0.564	
lab*nch	0.0	0.25	0.564	
relative Natural Colour (NC)	0.875	0.25	0.564	
lab*trj	0.875	-0.207	-0.137	
lab*tce	0.875	0.25	0.593	
lab*nce	0.0	0.25	0.593	

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)
LAB*LAB	63.75	-19.39	-8.23	
LAB*LAB	63.75	-19.39	-8.23	
LAB*TCRa	62.5	21.1	20.30	

relative CIELAB lab*

lab*lab	0.625	-0.229	-0.097	
lab*tch	0.625	0.25	0.564	
lab*nch	0.25	0.25	0.564	
relative Natural Colour (NC)	0.625	0.25	0.564	
lab*trj	0.625	-0.207	-0.137	
lab*tce	0.625	0.25	0.593	
lab*nce	0.25	0.25	0.593	

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.75	1.0	1.0	(1.0)
cmyn4*	0.25	0.0	0.0	(0.0)
LAB*LAB	42.65	-19.37	-8.22	
LAB*LAB	42.65	-19.37	-8.22	
LAB*TCRa	37.5	21.1	20.30	

relative CIELAB lab*

lab*lab	0.375	-0.229	-0.097	
lab*tch	0.375	0.25	0.564	
lab*nch	0.25	0.25	0.564	
relative Natural Colour (NC)	0.375	0.25	0.564	
lab*trj	0.375	-0.207	-0.137	
lab*tce	0.375	0.25	0.593	
lab*nce	0.25	0.25	0.593	

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	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	32.1	-38.85	-16.46	
LAB*LAB	32.1	-38.85	-16.46	
LAB*TCRa	25.01	42.21	20.30	

relative CIELAB lab*

lab*lab	0.25	-0.459	-0.194	
lab*tch	0.25	0.5	0.564	
lab*nch	0.5	0.5	0.564	
relative Natural Colour (NC)	0.25	0.5	0.564	
lab*trj	0.25	-0.416	-0.275	
lab*tce	0.25	0.5	0.593	
lab*nce	0.5	0.5	0.593	

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	21.35	-39.35	-21.71	
LAB*LAB	21.35	-39.35	-21.71	
LAB*TCRa	12.5	21.1	20.30	

$n^* = 0.50$

NRS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)
LAB*LAB	74.3	-38.82	-16.48	
LAB*LAB	74.3	-38.82	-16.48	
LAB*TCRa	75.0	42.21	20.30	

relative CIELAB lab*

lab*lab	0.75	-0.459	-0.194	
lab*tch	0.75	0.5	0.564	
lab*nch	0.0	0.5	0.564	
relative Natural Colour (NC)	0.75	0.5	0.564	
lab*trj	0.75	-0.416	-0.275	
lab*tce	0.75	0.5	0.593	
lab*nce	0.0	0.5	0.593	

relative Inform. Technology (IT)

olvi3*	0.25	1.0	1.0	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	(1.0)
cmyn4*	0.5	0.0	0.0	(0.0)
LAB*LAB	53.2	-38.81	-16.47	
LAB*LAB	53.2	-38.81	-16.47	
LAB*TCRa	50.0	44.43	20.99	

relative CIELAB lab*

lab*lab	0.5	-0.919	-0.39	
lab*tch	0.5	1.0	0.564	
lab*nch	0.0	1.0	0.564	
relative Natural Colour (NC)	0.5	1.0	0.564	
lab*trj	0.5	-0.833	-0.551	
lab*tce	0.5	1.0	0.593	
lab*nce	0.0	1.0	0.593	

relative Inform. Technology (IT)

olvi3*	0.0	0.75	0.75	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	0.0	0.75	0.75	(1.0)
cmyn4*	1.0	0.0	0.0	(0.0)
LAB*LAB	42.65	-38.82	-16.47	
LAB*LAB	42.65	-38.82	-16.47	
LAB*TCRa	37.51	63.32	20.99	

relative CIELAB lab*

lab*lab	0.375	-0.689	-0.292	
lab*tch	0.375	0.75	0.564	
lab*nch	0.75	0.75	0.564	
relative Natural Colour (NC)	0.375	0.75	0.564	
lab*trj	0.375	-0.624	-0.413	
lab*tce	0.375	0.75	0.593	
lab*nce	0.75	0.75	0.593	

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	0.0	1.0	1.0	(1.0)
cmyn4*	1.0	0.0	0.0	(0.0)
LAB*LAB	32.1	-38.85	-16.46	
LAB*LAB	32.1	-38.85	-16.46	
LAB*TCRa	25.01	42.21	20.30	

relative CIELAB lab*

lab*lab	0.25	-0.459	-0.194	
lab*tch	0.25	0.5	0.564	
lab*nch	0.5	0.5	0.564	
relative Natural Colour (NC)	0.25	0.5	0.564	
lab*trj	0.25	-0.416	-0.275	
lab*tce	0.25	0.5	0.593	
lab*nce	0.5	0.5	0.593	

$n^* = 0.25$

Schwarzheit n^*

relative Buntheit c^*

1.00

0.75

$n^* = 0.00$

0.25

$n^* = 0.25$

Schwarzheit n^*

0.00

relative Buntheit c^*

0.25

0.50

0.75

1.00

relative Buntheit c^*

$n^* = 1.0$

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 236/360 = 0.656$

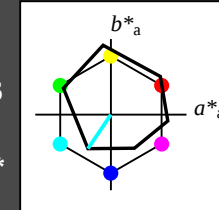
lab^*tch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%Umf

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab \cdot h = 273/360 = 0.758$

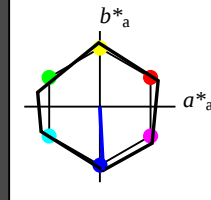
$lab \cdot tch$ und $lab \cdot nch$

D65: Buntton B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



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

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 74.31 0.02 0.0
LAB*Lab 74.31 0.02 0.0
LAB*TCla 75.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*tch 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*tce 0.75 0.75 0.75 (1.0)
lab*nce 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*TCla 50.0 0.01 0.0

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

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

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*tch 0.25 0.25 0.25 (0.0)
lab*nch 0.75 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*tce 0.25 0.25 0.25 (0.0)
lab*nce 0.75 0.75 0.75 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*Lab 11.01 0.07 0.01
LAB*TCla 0.01 0.01 0.0

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

$n^* = 1.0$

NRS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (1.0)
standard and adapted CIELAB
LAB*LAB 74.3 2.21 -42.13
LAB*Lab 74.3 2.19 -42.13
LAB*TCla 75.0 4.22 27.97

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*tch 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*tce 0.75 0.75 0.75 (1.0)
lab*nce 0.25 0.25 0.25 (0.0)

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 53.2 2.23 -42.13
LAB*Lab 53.2 2.19 -42.14
LAB*TCla 50.0 4.22 27.97

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*tch 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*tce 0.5 0.5 0.5 (0.0)
lab*nce 0.5 0.5 0.5 (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* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 32.1 2.22 -42.11
LAB*Lab 32.1 2.19 -42.13
LAB*TCla 25.0 4.22 27.97

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 11.0 2.25 -42.11
LAB*Lab 11.0 2.16 -42.03
LAB*TCla 0.0 4.22 27.97

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

$n^* = 0.50$

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)
standard and adapted CIELAB
LAB*LAB 63.75 3.31 -63.2
LAB*Lab 63.75 3.28 -63.2
LAB*TCla 62.5 6.33 27.97

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*tch 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*tce 0.5 0.5 0.5 (0.0)
lab*nce 0.5 0.5 0.5 (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* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 1.0 1.0 (1.0)
standard and adapted CIELAB
LAB*LAB 53.2 4.42 -84.26
LAB*Lab 53.2 4.37 -84.27
LAB*TCla 50.0 8.49 27.97

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 1.0 1.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*Lab 18.02 0.5 -0.46
LAB*TCla 0.0 0.01 0.0

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

$n^* = 0.25$

$n^* = 0.00$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System ORS18

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

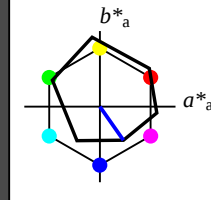
$lab \cdot tch$ und $lab \cdot nch$

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



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

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*Lab 76.06 0.0 0.0
LAB*TCla 75.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*tch 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*tce 0.75 0.75 0.75 (1.0)
lab*nce 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 0.23 2.14
LAB*TCla 50.0 0.01 0.0

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

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

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*tch 0.25 0.25 0.25 (0.0)
lab*nch 0.75 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*tce 0.25 0.25 0.25 (0.0)
lab*nce 0.75 0.75 0.75 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 1.0 1.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*Lab 18.02 0.5 -0.46
LAB*TCla 0.0 0.01 0.0

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

$n^* = 1.0$

relative Buntheit c^*

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (1.0)
standard and adapted CIELAB
LAB*LAB 76.06 15.24 -19.79
LAB*Lab 76.06 15.24 -19.79
LAB*TCla 75.0 27.11 305.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*tch 0.5 0.5 0.5 (1.0)
lab*nch 0.5 0.5 0.5 (1.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (1.0)
lab*tce 0.5 0.5 0.5 (1.0)
lab*nce 0.5 0.5 0.5 (1.0)

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 41.21 15.61 -21.1
LAB*Lab 41.21 15.55 -22.21
LAB*TCla 50.0 27.12 305.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*tch 0.25 0.25 0.25 (0.0)
lab*nch 0.75 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*tce 0.25 0.25 0.25 (0.0)
lab*nce 0.75 0.75 0.75 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 1.0 1.0 (1.0)
standard and adapted CIELAB
LAB*LAB 23.78 23.72 33.38
LAB*Lab 23.78 23.72 33.38
LAB*TCla 0.0 46.67 305.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 1.0 1.0 (1.0)
standard and adapted CIELAB
LAB*LAB 11.01 2.25 -42.11
LAB*Lab 11.01 2.16 -42.03
LAB*TCla 0.0 4.22 27.97

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

$n^* = 0.00$

relative Buntheit c^*

UG570-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.758 (links)

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

BAM-Prüfvorlage UG57; Farbmetrik-Systeme NRS11 & ORS18input: `cmv0* setcmvcolor`

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

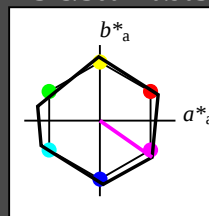
Eingabe: Farbmetrisches Reflexions-System NRS11

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

lab^*ch und lab^*nch

D65: Buntton B50R
LCH*Ma: 53 84 325
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)
LAB*LAB	95.41	0.0	-0.01	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	0.0	

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0	
lab*trc	0.0	1.0	0.0	
lab*trb	0.0	0.0	1.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	74.31	0.02	0.0	
LAB*LABa	74.31	0.02	0.0	
LAB*LABb	75.00	0.01	-	

relative CIELAB lab*

lab*lab	0.875	0.205	-0.142	
lab*ch	0.875	0.25	0.903	
lab*nch	0.0	0.25	0.903	

relative Natural Colour (NC)

lab*trj	0.875	0.198	-0.184	
lab*trc	0.875	0.25	0.967	
lab*trb	0.0	0.25	0.967	

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	53.21	0.04	0.0	
LAB*LABa	53.21	0.04	0.0	
LAB*LABb	50.00	0.01	-	

relative CIELAB lab*

lab*lab	0.625	0.164	-0.142	
lab*ch	0.625	0.25	0.903	
lab*nch	0.0	0.25	0.903	

relative Natural Colour (NC)

lab*trj	0.625	0.198	-0.184	
lab*trc	0.625	0.25	0.967	
lab*trb	0.0	0.25	0.967	

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(0.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	32.11	0.01	0.0	
LAB*LABa	32.11	0.01	0.0	
LAB*LABb	50.00	0.01	-	

relative CIELAB lab*

lab*lab	0.375	0.205	-0.142	
lab*ch	0.375	0.25	0.903	
lab*nch	0.0	0.25	0.903	

relative Natural Colour (NC)

lab*trj	0.375	0.198	-0.184	
lab*trc	0.375	0.25	0.967	
lab*trb	0.0	0.25	0.967	

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	32.11	0.01	0.0	
LAB*LABa	32.11	0.01	0.0	
LAB*LABb	50.00	0.01	-	

relative CIELAB lab*

lab*lab	0.125	0.205	-0.142	
lab*ch	0.125	0.25	0.903	
lab*nch	0.0	0.25	0.903	

relative Natural Colour (NC)

lab*trj	0.125	0.198	-0.184	
lab*trc	0.125	0.25	0.967	
lab*trb	0.0	0.25	0.967	

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	32.11	0.01	0.0	
LAB*LABa	32.11	0.01	0.0	
LAB*LABb	50.00	0.01	-	

relative CIELAB lab*

lab*lab	0.075	0.205	-0.142	
lab*ch	0.075	0.25	0.903	
lab*nch	0.0	0.25	0.903	

relative Natural Colour (NC)

lab*trj	0.075	0.198	-0.184	
lab*trc	0.075	0.25	0.967	
lab*trb	0.0	0.25	0.967	

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	32.11	0.01	0.0	
LAB*LABa	32.11	0.01	0.0	
LAB*LABb	50.00	0.01	-	

relative CIELAB lab*

lab*lab	0.025	0.205	-0.142	
lab*ch	0.025	0.25	0.903	
lab*nch	0.0	0.25	0.903	

relative Natural Colour (NC)

lab*trj	0.025	0.198	-0.184	
lab*trc	0.025	0.25	0.967	
lab*trb	0.0	0.25	0.967	

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	0.07	0.01	
LAB*LABa	11.01	0.07	0.01	
LAB*LABb	0.01	0.01	-	

relative CIELAB lab*

lab*lab	0.125	0.205	-0.142	
lab*ch	0.125	0.25	0.903	
lab*nch	0.0	0.25	0.903	

relative Natural Colour (NC)

lab*trj	0.125	0.198	-0.184	
lab*trc	0.125	0.25	0.967	
lab*trb	0.0	0.25	0.967	

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	0.07	0.01	
LAB*LABa	11.01	0.07	0.01	
LAB*LABb	0.01	0.01	-	

relative CIELAB lab*

lab*lab	0.075	0.205	-0.142	
lab*ch	0.075	0.25	0.903	
lab*nch	0.0	0.25	0.903	

relative Natural Colour (NC)

lab*trj	0.075	0.198	-0.184	
lab*trc	0.075	0.25	0.967	
lab*trb	0.0	0.25	0.967	

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	0.07	0.01	
LAB*LABa	11.01	0.07	0.01	
LAB*LABb	0.01	0.01	-	

relative CIELAB lab*

lab*lab	0.025	0.205	-0.142	
lab*ch	0.025	0.25	0.903	
lab*nch	0.0	0.25	0.903	

relative Natural Colour (NC)

lab*trj	0.025	0.198	-0.184	
lab*trc	0.025	0.25	0.967	
lab*trb	0.0	0.25	0.967	

UG570-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

BAM-Prüfvorlage UG57; Farbmetrik-Systeme NRS11 & ORS18input: $cmv0^* setcmykcolor$

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

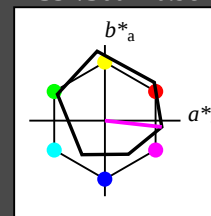
Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 354/360 = 0.982$

lab^*ch und lab^*nch

D65: Buntton M
LCH*Ma: 48 76 354
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)
LAB*LAB	95.41	-0.97	4.75	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	0.0	

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0	
lab*trc	0.0	1.0	0.0	
lab*trb	0.0	0.0	1.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
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	0.847	0.248	-0.027	
lab*ch	0.847	0.25	0.982	
lab*nch	0.0	0.25	0.982	

relative Natural Colour (NC)

lab*trj	0.847	0.227	-0.103	
lab*trc	0.847	0.25	0.932	
lab*trb	0.0	0.25	0.932	

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(0.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.71	0.23	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*LABb	50.00	0.01	-	

relative CIELAB lab*

lab*lab	0.597	0.248	-0.027	
lab*ch	0.597	0.25	0.982	
lab*nch	0.0	0.25	0.982	

relative Natural Colour (NC)

lab*trj	0.597	0.227	-0.103	
lab*trc	0.597	0.25	0.932	
lab*trb	0.0	0.25	0.932	

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	32.11	0.01	0.0	
LAB*LABa	32.11	0.01	0.0	
LAB*LABb	50.00	0.01	-	

relative CIELAB lab*

lab*lab	0.347	0.248	-0.027	
lab*ch	0.347	0.25	0.982	
lab*nch	0.0	0.25	0.982	

relative Natural Colour (NC)

lab*trj	0.347	0.227	-0.103	
lab*trc	0.347	0.25	0.932	
lab*trb	0.0	0.25	0.932	

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	32.11	0.01	0.0	
LAB*LABa	32.11	0.01	0.0	
LAB*LABb	50.00	0.01	-	

relative CIELAB lab*

lab*lab	0.197	0.248	-0.027	
lab*ch	0.197	0.25	0.982	
lab*nch	0.0	0.25	0.982	

relative Natural Colour (NC)

lab*trj	0.197	0.227	-0.103	
lab*trc	0.197	0.25	0.932	
lab*trb	0.0	0.25	0.932	

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	32.11	0.01	0.0	
LAB*LABa	32.11	0.01	0.0	
LAB*LABb	50.00	0.01	-	

relative CIELAB lab*

lab*lab	0.097	0.248	-0.027	
lab*ch	0.097	0.25	0.982	
lab*nch	0.0	0.25	0.982	

relative Natural Colour (NC)

lab*trj	0.097	0.227	-0.103	
lab*trc	0.097	0.25	0.932	
lab*trb	0.0	0.25	0.932	

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	0.07	0.01	
LAB*LABa	11.01	0.07	0.01	
LAB*LABb	0.01	0.01	-	

Eingabe: Farbmetrisches Reflexions-System NRS11

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

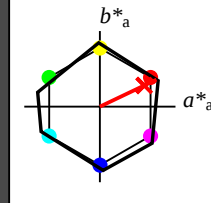
$lab \cdot tch$ und $lab \cdot nch$

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit t^*



NRS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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*TCRa	99.99	0.01	0.0	

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	
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 Natural Colour (NC)

lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	
lab*trj	1.0	0.0	0.0	
lab*tce	1.0	0.0	0.0	
lab*nce	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*TCRa	75.0	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	
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 Natural Colour (NC)

lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	0.0	
lab*nch	0.0	0.0	0.0	
lab*trj	0.75	0.0	0.0	
lab*tce	0.75	0.0	0.0	
lab*nce	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*TCRa	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	
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 Natural Colour (NC)

lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	0.0	
lab*nch	0.0	0.0	0.0	
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	0.0	
lab*nce	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	11.01	0.07	0.01	
LAB*Lab	11.01	0.07	0.01	
LAB*TCRa	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	0.0	0.0	0.0	
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	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	84.85	18.73	8.92	
LAB*Lab	84.85	18.73	8.92	
LAB*TCRa	87.5	20.73	25.49	

relative CIELAB lab*

lab*lab	0.875	0.226	0.108	
lab*tch	0.875	0.25	0.071	
lab*nch	0.0	0.25	0.071	
lab*trj	0.875	0.25	0.0	
lab*tce	0.875	0.25	0.0	
lab*nce	0.0	0.25	0.0	

relative Natural Colour (NC)

lab*lab	0.875	0.25	0.0	
lab*tch	0.875	0.25	0.0	
lab*nch	0.0	0.25	0.0	
lab*trj	0.875	0.25	0.0	
lab*tce	0.875	0.25	0.0	
lab*nce	0.0	0.25	0.0	

standard and adapted CIELAB

LAB*LAB	63.75	18.76	8.93	
LAB*Lab	63.75	18.76	8.93	
LAB*TCRa	62.5	20.74	25.49	

relative CIELAB lab*

lab*lab	0.625	0.226	0.108	
lab*tch	0.625	0.25	0.071	
lab*nch	0.0	0.25	0.071	
lab*trj	0.625	0.25	0.0	
lab*tce	0.625	0.25	0.0	
lab*nce	0.0	0.25	0.0	

relative Natural Colour (NC)

lab*lab	0.625	0.25	0.0	
lab*tch	0.625	0.25	0.0	
lab*nch	0.0	0.25	0.0	
lab*trj	0.625	0.25	0.0	
lab*tce	0.625	0.25	0.0	
lab*nce	0.0	0.25	0.0	

standard and adapted CIELAB

LAB*LAB	42.65	18.77	8.94	
LAB*Lab	42.65	18.77	8.94	
LAB*TCRa	37.5	20.74	25.49	

relative CIELAB lab*

lab*lab	0.375	0.226	0.108	
lab*tch	0.375	0.25	0.071	
lab*nch	0.0	0.25	0.071	
lab*trj	0.375	0.25	0.0	
lab*tce	0.375	0.25	0.0	
lab*nce	0.0	0.25	0.0	

relative Natural Colour (NC)

lab*lab	0.375	0.25	0.0	
lab*tch	0.375	0.25	0.0	
lab*nch	0.0	0.25	0.0	
lab*trj	0.375	0.25	0.0	
lab*tce	0.375	0.25	0.0	
lab*nce	0.0	0.25	0.0	

standard and adapted CIELAB

LAB*LAB	32.1	37.45	17.84	
LAB*Lab	32.1	37.45	17.84	
LAB*TCRa	25.01	41.48	25.48	

relative CIELAB lab*

lab*lab	0.25	0.451	0.215	
lab*tch	0.25	0.5	0.071	
lab*nch	0.0	0.5	0.071	
lab*trj	0.25	0.5	0.0	
lab*tce	0.25	0.5	0.0	
lab*nce	0.0	0.5	0.0	

relative Inform. Technology (IT)

olvi3*	1.0	0.514	0.5	(1.0)
cmyn3*	0.0	0.486	0.5	(0.0)
olvi4*	1.0	0.514	0.5	(1.0)
cmyn4*	0.0	0.486	0.5	(0.0)
LAB*LAB	74.3	37.44	17.85	
LAB*Lab	74.3	37.44	17.85	
LAB*TCRa	75.0	41.47	25.49	

relative CIELAB lab*

lab*lab	0.75	0.451	0.215	
lab*tch	0.75	0.5	0.071	
lab*nch	0.0	0.5	0.071	
lab*trj	0.75	0.5	0.0	
lab*tce	0.75	0.5	0.0	
lab*nce	0.0	0.5	0.0	

relative Natural Colour (NC)

lab*lab	0.75	0.451	0.215	
lab*tch	0.75	0.5	0.071	
lab*nch	0.0	0.5	0.071	
lab*trj	0.75	0.5	0.0	
lab*tce	0.75	0.5	0.0	
lab*nce	0.0	0.5	0.0	

standard and adapted CIELAB

LAB*LAB	53.2	37.49	17.86	
LAB*Lab	53.2	37.49	17.86	
LAB*TCRa	50.0	41.48	25.49	

relative CIELAB lab*

lab*lab	0.52	0.677	0.323	
lab*tch	0.52	0.75	0.071	
lab*nch	0.0	0.75	0.071	
lab*trj	0.52	0.75	0.0	
lab*tce	0.52	0.75	0.0	
lab*nce	0.0	0.75	0.0	

relative Natural Colour (NC)

lab*lab	0.52	0.677	0.323	
lab*tch	0.52	0.75	0.071	
lab*nch	0.0	0.75	0.071	
lab*trj	0.52	0.75	0.0	
lab*tce	0.52	0.75	0.0	
lab*nce	0.0	0.75	0.0	

standard and adapted CIELAB

LAB*LAB	42.65	36.17	26.77	
LAB*Lab	42.65	36.17	26.77	
LAB*TCRa	37.51	62.22	25.48	

relative CIELAB lab*

lab*lab	0.375	0.677	0.323	
lab*tch	0.375	0.75	0.071	
lab*nch	0.0	0.75	0.071	
lab*trj	0.375	0.75	0.0	
lab*tce	0.375	0.75	0.0	
lab*nce	0.0	0.75	0.0	

relative Natural Colour (NC)

lab*lab	0.375	0.677	0.323	
lab*tch	0.375	0.75	0.071	
lab*nch	0.0	0.75	0.071	
lab*trj	0.375	0.75	0.0	
lab*tce	0.375	0.75	0.0	
lab*nce	0.0	0.75	0.0	

standard and adapted CIELAB

LAB*LAB	32.1	37.45	17.84	
LAB*Lab	32.1	37.45	17.84	
LAB*TCRa	25.01	41.48	25.48	

relative CIELAB lab*

lab*lab	0.25	0.451	0.215	
lab*tch	0.25	0.5	0.071	
lab*nch	0.0	0.5	0.071	
lab*trj	0.25	0.5	0.0	
lab*tce	0.25	0.5	0.0	
lab*nce	0.0	0.5	0.0	

relative Inform. Technology (IT)

olvi3*	1.0	0.271	0.25	(1.0)
cmyn3*	0.0	0.729	0.25	(0.0)
olvi4*	1.0	0.271	0.25	(1.0)
cmyn4*	0.0	0.729	0.25	(0.0)
LAB*LAB	63.75	56.2	26.78	
LAB*Lab	63.75	56.2	26.78	
LAB*TCRa	62.5	62.22	25.49	

relative CIELAB lab*

lab*lab	0.625	0.75	0.071	
lab*tch	0.625	0.75	0.071	
lab*nch	0.0	0.75	0.071	
lab*trj	0.625	0.75	0.0	
lab*tce	0.625	0.75	0.0	
lab*nce	0.0	0.75	0.0	

relative Natural Colour (NC)

lab*lab	0.625	0.75	0.071	
lab*tch	0.625	0.75	0.071	
lab*nch	0.0	0.75	0.071	
lab*trj	0.625	0.75	0.0	
lab*tce	0.625	0.75	0.0	
lab*nce	0.0	0.75	0.0	

standard and adapted CIELAB

LAB*LAB	53.2	74.93	35.7	
LAB*Lab	53.2	74.93	35.7	
LAB*TCRa	50.0	82.95	25.48	

relative CIELAB lab*

lab*lab	0.5	0.903	0.43	
lab*tch	0.5	1.0	0.071	
lab*nch	0.0	1.0	0.071	
lab*trj	0.5	1.0	0.0	
lab*tce	0.5	1.0	0.0	
lab*nce	0.0	1.0	0.0	

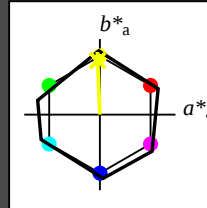
LAB*E ₃₄	42.65	58.17	26.71
LAB*TC _{HA}	37.51	62.22	25.48
relative CIELAB lab*			
lab*lab	0.375	0.677	0.323
lab*tch	0.375	0.75	0.071
lab*nch	0.25	0.75	0.071
relative Natural Colour (NC)			
lab*lrj	0.375	0.75	0.0
lab*tce	0.375	0.75	1.0
lab*nCE	0.25	0.75	b99r

Eingabe: Farbmetrisches Reflexions-System NRS11

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

D65: Buntton J
LCH*Ma: 53 83 92
rgb*Ma: 0.98 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 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
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 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 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*Lab 74.31 0.02 0.0
LAB*TCa 75.00 0.01 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 53.21 0.04 0.0
LAB*Lab 53.21 0.04 0.0
LAB*TCa 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*Lab 53.21 0.04 0.0
LAB*TCa 50.00 0.01 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 32.11 0.07 0.01
LAB*Lab 32.11 0.07 0.01
LAB*TCa 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.07 0.01
LAB*Lab 32.11 0.07 0.01
LAB*TCa 25.00 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*Lab 11.01 0.07 0.01
LAB*TCa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*Lab 11.01 0.07 0.01
LAB*TCa 0.01 0.01 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)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 0.0
LAB*TCa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 0.0
LAB*TCa 0.01 0.01 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)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 0.0
LAB*TCa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 0.0
LAB*TCa 0.01 0.01 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)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 0.0
LAB*TCa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 0.0
LAB*TCa 0.01 0.01 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)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 0.0
LAB*TCa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 0.0
LAB*TCa 0.01 0.01 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)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 0.0
LAB*TCa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*Lab 0.01 0.01 0.0
LAB*TCa 0.01 0.01 0.0

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 1.25$

$n^* = 1.50$

$n^* = 1.75$

$n^* = 2.00$

$n^* = 2.25$

$n^* = 2.50$

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$n^* = 3.25$

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$n^* = 34.50$

$n^* = 34.75$

$n^* = 35.00$

$n^* = 35.25$

$n^* = 35.50$

$n^* = 35.75$

$n^* = 36.00$

$n^* = 36.25$

$n^* = 36.50$

$n^* = 36.75$

$n^* = 37.00$

Eingabe: Farbmatisches Reflexions-System NRS11

für Buntton $h^* = lab \cdot h = 162/360 = 0.451$

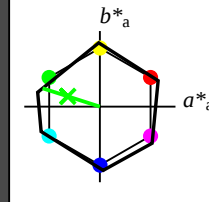
$lab \cdot tch$ und $lab \cdot nch$

D65: Buntton G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 119$

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

standard and adapted CIELAB
LAB*LAB 95.41 0.0 -0.01
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0
LAB*LABd 95.41 0.0 0.0
LAB*LABe 95.41 0.0 0.0
LAB*LABf 95.41 0.0 0.0
LAB*LABg 95.41 0.0 0.0
LAB*LABh 95.41 0.0 0.0
LAB*LABi 95.41 0.0 0.0
LAB*LABj 95.41 0.0 0.0
LAB*LABk 95.41 0.0 0.0
LAB*LABl 95.41 0.0 0.0
LAB*LABm 95.41 0.0 0.0
LAB*LABn 95.41 0.0 0.0
LAB*LABo 95.41 0.0 0.0
LAB*LABp 95.41 0.0 0.0
LAB*LABq 95.41 0.0 0.0
LAB*LABr 95.41 0.0 0.0
LAB*LABs 95.41 0.0 0.0
LAB*LABt 95.41 0.0 0.0
LAB*LABu 95.41 0.0 0.0
LAB*LABv 95.41 0.0 0.0
LAB*LABw 95.41 0.0 0.0
LAB*LABx 95.41 0.0 0.0
LAB*LABy 95.41 0.0 0.0
LAB*LABz 95.41 0.0 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 1.0 0.0 0.0
lab*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*trd 1.0 0.0 0.0
lab*tre 1.0 0.0 0.0
lab*trf 1.0 0.0 0.0
lab*trg 1.0 0.0 0.0
lab*trh 1.0 0.0 0.0
lab*tri 1.0 0.0 0.0
lab*trj 1.0 0.0 0.0
lab*trk 1.0 0.0 0.0
lab*trl 1.0 0.0 0.0
lab*trm 1.0 0.0 0.0
lab*trn 1.0 0.0 0.0
lab*tro 1.0 0.0 0.0
lab*trp 1.0 0.0 0.0
lab*trq 1.0 0.0 0.0
lab*trr 1.0 0.0 0.0
lab*trs 1.0 0.0 0.0
lab*trt 1.0 0.0 0.0
lab*tru 1.0 0.0 0.0
lab*trv 1.0 0.0 0.0
lab*trw 1.0 0.0 0.0
lab*trx 1.0 0.0 0.0
lab*try 1.0 0.0 0.0
lab*trz 1.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*LABa 74.31 0.02 0.0
LAB*LABb 74.31 0.02 0.0
LAB*LABc 74.31 0.02 0.0
LAB*LABd 74.31 0.02 0.0
LAB*LABe 74.31 0.02 0.0
LAB*LABf 74.31 0.02 0.0
LAB*LABg 74.31 0.02 0.0
LAB*LABh 74.31 0.02 0.0
LAB*LABi 74.31 0.02 0.0
LAB*LABj 74.31 0.02 0.0
LAB*LABk 74.31 0.02 0.0
LAB*LABl 74.31 0.02 0.0
LAB*LABm 74.31 0.02 0.0
LAB*LABn 74.31 0.02 0.0
LAB*LABo 74.31 0.02 0.0
LAB*LABp 74.31 0.02 0.0
LAB*LABq 74.31 0.02 0.0
LAB*LABr 74.31 0.02 0.0
LAB*LABs 74.31 0.02 0.0
LAB*LABt 74.31 0.02 0.0
LAB*LABu 74.31 0.02 0.0
LAB*LABv 74.31 0.02 0.0
LAB*LABw 74.31 0.02 0.0
LAB*LABx 74.31 0.02 0.0
LAB*LABy 74.31 0.02 0.0
LAB*LABz 74.31 0.02 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*tch 0.75 0.75 0.75 (1.0)
lab*nch 0.75 0.75 0.75 (1.0)
lab*trj 0.75 0.75 0.75 (1.0)
lab*trc 0.75 0.75 0.75 (1.0)
lab*trd 0.75 0.75 0.75 (1.0)
lab*tre 0.75 0.75 0.75 (1.0)
lab*trf 0.75 0.75 0.75 (1.0)
lab*trg 0.75 0.75 0.75 (1.0)
lab*trh 0.75 0.75 0.75 (1.0)
lab*tri 0.75 0.75 0.75 (1.0)
lab*trj 0.75 0.75 0.75 (1.0)
lab*trk 0.75 0.75 0.75 (1.0)
lab*trl 0.75 0.75 0.75 (1.0)
lab*trm 0.75 0.75 0.75 (1.0)
lab*trn 0.75 0.75 0.75 (1.0)
lab*tro 0.75 0.75 0.75 (1.0)
lab*trp 0.75 0.75 0.75 (1.0)
lab*trq 0.75 0.75 0.75 (1.0)
lab*trr 0.75 0.75 0.75 (1.0)
lab*trs 0.75 0.75 0.75 (1.0)
lab*trt 0.75 0.75 0.75 (1.0)
lab*tru 0.75 0.75 0.75 (1.0)
lab*trv 0.75 0.75 0.75 (1.0)
lab*trw 0.75 0.75 0.75 (1.0)
lab*trx 0.75 0.75 0.75 (1.0)
lab*try 0.75 0.75 0.75 (1.0)
lab*trz 0.75 0.75 0.75 (1.0)

standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.04 0.0
LAB*LABb 53.21 0.04 0.0
LAB*LABc 53.21 0.04 0.0
LAB*LABd 53.21 0.04 0.0
LAB*LABe 53.21 0.04 0.0
LAB*LABf 53.21 0.04 0.0
LAB*LABg 53.21 0.04 0.0
LAB*LABh 53.21 0.04 0.0
LAB*LABi 53.21 0.04 0.0
LAB*LABj 53.21 0.04 0.0
LAB*LABk 53.21 0.04 0.0
LAB*LABl 53.21 0.04 0.0
LAB*LABm 53.21 0.04 0.0
LAB*LABn 53.21 0.04 0.0
LAB*LABo 53.21 0.04 0.0
LAB*LABp 53.21 0.04 0.0
LAB*LABq 53.21 0.04 0.0
LAB*LABr 53.21 0.04 0.0
LAB*LABs 53.21 0.04 0.0
LAB*LABt 53.21 0.04 0.0
LAB*LABu 53.21 0.04 0.0
LAB*LABv 53.21 0.04 0.0
LAB*LABw 53.21 0.04 0.0
LAB*LABx 53.21 0.04 0.0
LAB*LABy 53.21 0.04 0.0
LAB*LABz 53.21 0.04 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*tch 0.5 0.5 0.5 (1.0)
lab*nch 0.5 0.5 0.5 (1.0)
lab*trj 0.5 0.5 0.5 (1.0)
lab*trc 0.5 0.5 0.5 (1.0)
lab*trd 0.5 0.5 0.5 (1.0)
lab*tre 0.5 0.5 0.5 (1.0)
lab*trf 0.5 0.5 0.5 (1.0)
lab*trg 0.5 0.5 0.5 (1.0)
lab*trh 0.5 0.5 0.5 (1.0)
lab*tri 0.5 0.5 0.5 (1.0)
lab*trj 0.5 0.5 0.5 (1.0)
lab*trk 0.5 0.5 0.5 (1.0)
lab*trl 0.5 0.5 0.5 (1.0)
lab*trm 0.5 0.5 0.5 (1.0)
lab*trn 0.5 0.5 0.5 (1.0)
lab*tro 0.5 0.5 0.5 (1.0)
lab*trp 0.5 0.5 0.5 (1.0)
lab*trq 0.5 0.5 0.5 (1.0)
lab*trr 0.5 0.5 0.5 (1.0)
lab*trs 0.5 0.5 0.5 (1.0)
lab*trt 0.5 0.5 0.5 (1.0)
lab*tru 0.5 0.5 0.5 (1.0)
lab*trv 0.5 0.5 0.5 (1.0)
lab*trw 0.5 0.5 0.5 (1.0)
lab*trx 0.5 0.5 0.5 (1.0)
lab*try 0.5 0.5 0.5 (1.0)
lab*trz 0.5 0.5 0.5 (1.0)

standard and adapted CIELAB
LAB*LAB 32.11 0.01 0.0
LAB*LABa 32.11 0.01 0.0
LAB*LABb 32.11 0.01 0.0
LAB*LABc 32.11 0.01 0.0
LAB*LABd 32.11 0.01 0.0
LAB*LABe 32.11 0.01 0.0
LAB*LABf 32.11 0.01 0.0
LAB*LABg 32.11 0.01 0.0
LAB*LABh 32.11 0.01 0.0
LAB*LABi 32.11 0.01 0.0
LAB*LABj 32.11 0.01 0.0
LAB*LABk 32.11 0.01 0.0
LAB*LABl 32.11 0.01 0.0
LAB*LABm 32.11 0.01 0.0
LAB*LABn 32.11 0.01 0.0
LAB*LABo 32.11 0.01 0.0
LAB*LABp 32.11 0.01 0.0
LAB*LABq 32.11 0.01 0.0
LAB*LABr 32.11 0.01 0.0
LAB*LABs 32.11 0.01 0.0
LAB*LABt 32.11 0.01 0.0
LAB*LABu 32.11 0.01 0.0
LAB*LABv 32.11 0.01 0.0
LAB*LABw 32.11 0.01 0.0
LAB*LABx 32.11 0.01 0.0
LAB*LABy 32.11 0.01 0.0
LAB*LABz 32.11 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*tch 0.25 0.25 0.25 (1.0)
lab*nch 0.25 0.25 0.25 (1.0)
lab*trj 0.25 0.25 0.25 (1.0)
lab*trc 0.25 0.25 0.25 (1.0)
lab*trd 0.25 0.25 0.25 (1.0)
lab*tre 0.25 0.25 0.25 (1.0)
lab*trf 0.25 0.25 0.25 (1.0)
lab*trg 0.25 0.25 0.25 (1.0)
lab*trh 0.25 0.25 0.25 (1.0)
lab*tri 0.25 0.25 0.25 (1.0)
lab*trj 0.25 0.25 0.25 (1.0)
lab*trk 0.25 0.25 0.25 (1.0)
lab*trl 0.25 0.25 0.25 (1.0)
lab*trm 0.25 0.25 0.25 (1.0)
lab*trn 0.25 0.25 0.25 (1.0)
lab*tro 0.25 0.25 0.25 (1.0)
lab*trp 0.25 0.25 0.25 (1.0)
lab*trq 0.25 0.25 0.25 (1.0)
lab*trr 0.25 0.25 0.25 (1.0)
lab*trs 0.25 0.25 0.25 (1.0)
lab*trt 0.25 0.25 0.25 (1.0)
lab*tru 0.25 0.25 0.25 (1.0)
lab*trv 0.25 0.25 0.25 (1.0)
lab*trw 0.25 0.25 0.25 (1.0)
lab*trx 0.25 0.25 0.25 (1.0)
lab*try 0.25 0.25 0.25 (1.0)
lab*trz 0.25 0.25 0.25 (1.0)

standard and adapted CIELAB
LAB*LAB 11.01 0.01 0.0
LAB*LABa 11.01 0.01 0.0
LAB*LABb 11.01 0.01 0.0
LAB*LABc 11.01 0.01 0.0
LAB*LABd 11.01 0.01 0.0
LAB*LABe 11.01 0.01 0.0
LAB*LABf 11.01 0.01 0.0
LAB*LABg 11.01 0.01 0.0
LAB*LABh 11.01 0.01 0.0
LAB*LABi 11.01 0.01 0.0
LAB*LABj 11.01 0.01 0.0
LAB*LABk 11.01 0.01 0.0
LAB*LABl 11.01 0.01 0.0
LAB*LABm 11.01 0.01 0.0
LAB*LABn 11.01 0.01 0.0
LAB*LABo 11.01 0.01 0.0
LAB*LABp 11.01 0.01 0.0
LAB*LABq 11.01 0.01 0.0
LAB*LABr 11.01 0.01 0.0
LAB*LABs 11.01 0.01 0.0
LAB*LABt 11.01 0.01 0.0
LAB*LABu 11.01 0.01 0.0
LAB*LABv 11.01 0.01 0.0
LAB*LABw 11.01 0.01 0.0
LAB*LABx 11.01 0.01 0.0
LAB*LABy 11.01 0.01 0.0
LAB*LABz 11.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*tch 0.0 0.0 0.0 (1.0)
lab*nch 0.0 0.0 0.0 (1.0)
lab*trj 0.0 0.0 0.0 (1.0)
lab*trc 0.0 0.0 0.0 (1.0)
lab*trd 0.0 0.0 0.0 (1.0)
lab*tre 0.0 0.0 0.0 (1.0)
lab*trf 0.0 0.0 0.0 (1.0)
lab*trg 0.0 0.0 0.0 (1.0)
lab*trh 0.0 0.0 0.0 (1.0)
lab*tri 0.0 0.0 0.0 (1.0)
lab*trj 0.0 0.0 0.0 (1.0)
lab*trk 0.0 0.0 0.0 (1.0)
lab*trl 0.0 0.0 0.0 (1.0)
lab*trm 0.0 0.0 0.0 (1.0)
lab*trn 0.0 0.0 0.0 (1.0)
lab*tro 0.0 0.0 0.0 (1.0)
lab*trp 0.0 0.0 0.0 (1.0)
lab*trq 0.0 0.0 0.0 (1.0)
lab*trr 0.0 0.0 0.0 (1.0)
lab*trs 0.0 0.0 0.0 (1.0)
lab*trt 0.0 0.0 0.0 (1.0)
lab*tru 0.0 0.0 0.0 (1.0)
lab*trv 0.0 0.0 0.0 (1.0)
lab*trw 0.0 0.0 0.0 (1.0)
lab*trx 0.0 0.0 0.0 (1.0)
lab*try 0.0 0.0 0.0 (1.0)
lab*trz 0.0 0.0 0.0 (1.0)

NRS11; adaptierte CIELAB-Daten

	L*	a*	b*	C*	h*
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.25$

$n^* = 1.50$

$n^* = 1.75$

$n^* = 2.0$

$n^* = 2.25$

$n^* = 2.5$

$n^* = 2.75$

$n^* = 3.0$

$n^* = 3.25$

$n^* = 3.5$

$n^* = 3.75$

$n^* = 4.0$

$n^* = 4.25$

$n^* = 4.5$

$n^* = 4.75$

$n^* = 5.0$

$n^* = 5.25$

$n^* = 5.5$

$n^* = 5.75$

$n^* = 6.0$

$n^* = 6.25$

$n^* = 6.5$

$n^* = 6.75$

$n^* = 7.0$

$n^* = 7.25$

$n^* = 7.5$

$n^* = 7.75$

$n^* = 8.0$

$n^* = 8.25$

$n^* = 8.5$

$n^* = 8.75$

$n^* = 9.0$

$n^* = 9.25$

$n^* = 9.5$

$n^* = 9.75$

$n^* = 10.0$

$n^* = 10.25$

$n^* = 10.5$ </
