

BAM-Registrierung: 20060101-TG51/10L/L51G02NP.PS/PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen
/TG51/ Form: 3/10, Seite: 1/1, Seite: 3 Seitenanzahl: 3

Seitenzahl 4

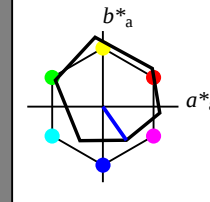
Eingabe: Farbmetrisches Reflexions-System ORS18

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

lab^*ch und lab^*nch

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

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

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

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*nc 0.0 0.0 0.0

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

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*tr 0.75 0.0 0.0
lab*tc 0.75 0.0 0.0
lab*nc 0.0 0.0 0.0

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

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*tr 0.5 0.0 0.0
lab*tc 0.5 0.0 0.0
lab*nc 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 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 37.36 -0.63 0.83
LAB*LABa 37.36 0.0 0.0
LAB*LABb 37.36 0.0 0.0
LAB*LABc 37.36 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*tr 0.25 0.0 0.0
lab*tc 0.25 0.0 0.0
lab*nc 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 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 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 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 0.0 0.0 0.0

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
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

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

$g^*_{C,rel} = 15.55$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 77.98 7.13 -7.51
LAB*LABa 77.98 7.77 -11.09
LAB*LABb 77.98 7.13 -7.51
LAB*LABc 77.98 7.13 -7.51

relative CIELAB lab*
lab*lab 0.75 0.143 -0.204
lab*ch 0.875 0.25 0.847
lab*nch 0.0 0.25 0.847
lab*tr 0.775 0.112 -0.222
lab*tc 0.875 0.25 0.824
lab*nc 0.0 0.25 0.824

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 0.75 0.75 (0.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 60.56 15.24 -19.79
LAB*LABa 60.56 15.24 -19.79
LAB*LABb 60.56 15.24 -19.79
LAB*LABc 60.56 15.24 -19.79

relative CIELAB lab*
lab*lab 0.55 0.287 -0.408
lab*ch 0.75 0.5 0.847
lab*nch 0.0 0.5 0.847
lab*tr 0.55 0.225 -0.446
lab*tc 0.75 0.5 0.824
lab*nc 0.0 0.5 0.824

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
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*LABa 41.21 15.61 -21.1
LAB*LABb 41.21 15.61 -21.1
LAB*LABc 41.21 15.61 -21.1

relative CIELAB lab*
lab*lab 0.3 0.225 -0.446
lab*ch 0.3 0.225 -0.446
lab*nch 0.0 0.225 -0.446
lab*tr 0.3 0.225 -0.446
lab*tc 0.3 0.225 -0.446
lab*nc 0.0 0.225 -0.446

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 21.87 15.96 -22.2
LAB*LABa 21.87 15.96 -22.2
LAB*LABb 21.87 15.96 -22.2
LAB*LABc 21.87 15.96 -22.2

relative CIELAB lab*
lab*lab 0.025 0.287 -0.408
lab*ch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
lab*tr 0.025 0.225 -0.446
lab*tc 0.25 0.5 0.824
lab*nc 0.0 0.5 0.824

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 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* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 43.14 23.35 -33.08
LAB*LABa 43.14 23.35 -33.08
LAB*LABb 43.14 23.35 -33.08
LAB*LABc 43.14 23.35 -33.08

relative CIELAB lab*
lab*lab 0.32 0.43 -0.613
lab*ch 0.625 0.75 0.847
lab*nch 0.0 0.75 0.847
lab*tr 0.325 0.337 -0.669
lab*tc 0.625 0.75 0.824
lab*nc 0.0 0.75 0.824

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.72 31.46 -44.36
LAB*LABa 25.72 31.46 -44.36
LAB*LABb 25.72 31.46 -44.36
LAB*LABc 25.72 31.46 -44.36

relative CIELAB lab*
lab*lab 0.1 0.573 -0.818
lab*ch 0.5 1.0 0.847
lab*nch 0.0 1.0 0.847
lab*tr 0.1 0.449 -0.892
lab*tc 0.5 1.0 0.824
lab*nc 0.0 1.0 0.824

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.0 54.23 305.0
LAB*LABa 50.0 54.23 305.0
LAB*LABb 50.0 54.23 305.0
LAB*LABc 50.0 54.23 305.0

relative CIELAB lab*
lab*lab 0.075 0.43 -0.613
lab*ch 0.375 0.75 0.847
lab*nch 0.0 0.75 0.847
lab*tr 0.075 0.337 -0.669
lab*tc 0.375 0.75 0.824
lab*nc 0.0 0.75 0.824

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 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* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 0.0 0.0 0.0

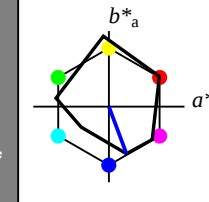
Ausgabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 290/360 = 0.807$

lab^*ch und lab^*nch

D65: Buntton B
LCH*Ma: 37 66 290
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 92$

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 0.01 0.0
LAB*LABa 95.41 0.01 0.0
LAB*LABb 95.41 0.01 0.0
LAB*LABc 95.41 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
lab*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*nc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.03 0.0
LAB*LABa 76.06 0.03 0.0
LAB*LABb 76.06 0.03 0.0
LAB*LABc 76.06 0.03 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*tr 0.75 0.0 0.0
lab*tc 0.75 0.0 0.0
lab*nc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 56.71 0.01 0.0
LAB*LABa 56.71 0.01 0.0
LAB*LABb 56.71 0.01 0.0
LAB*LABc 56.71 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*tr 0.5 0.0 0.0
lab*tc 0.5 0.0 0.0
lab*nc 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 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 37.36 0.01 0.0
LAB*LABa 37.36 0.01 0.0
LAB*LABb 37.36 0.01 0.0
LAB*LABc 37.36 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*tr 0.25 0.0 0.0
lab*tc 0.25 0.0 0.0
lab*nc 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 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 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 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 0.0 0.0 0.0

MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.03 11.67 -31.12
LAB*LABa 66.03 11.67 -31.12
LAB*LABb 66.03 11.67 -31.12
LAB*LABc 66.03 11.67 -31.12

relative CIELAB lab*
lab*lab 0.62 0.175 -0.467
lab*ch 0.75 0.5 0.807
lab*nch 0.0 0.5 0.807
lab*tr 0.62 0.128 -0.482
lab*tc 0.75 0.5 0.791
lab*nc 0.0 0.5 0.791

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 0.75 0.75 (0.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 46.68 11.69 -31.11
LAB*LABa 46.68 11.69 -31.11
LAB*LABb 46.68 11.69 -31.11
LAB*LABc 46.68 11.69 -31.11

relative CIELAB lab*
lab*lab 0.5 0.175 -0.467
lab*ch 0.5 0.5 0.807
lab*nch 0.0 0.5 0.807
lab*tr 0.5 0.128 -0.482
lab*tc 0.5 0.5 0.791
lab*nc 0.0 0.5 0.791

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 27.34 17.44 -46.7
LAB*LABa 27.34 17.44 -46.7
LAB*LABb 27.

5 (rechts)

Seitenzahl 7

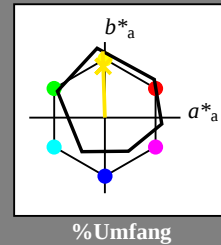
Eingabe: Farbmetrisches Reflexions-System ORS18

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

lab^*ch und lab^*nch

D65: Buntton J
LCH*Ma: 86 88 92
rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
QMa	49.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.99	-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	1.0
olvi4*	0.0	0.0
olvi5*	0.0	0.0
olvi6*	0.0	0.0
olvi7*	0.0	0.0
olvi8*	0.0	0.0
olvi9*	0.0	0.0
olvi10*	0.0	0.0
olvi11*	0.0	0.0
olvi12*	0.0	0.0
olvi13*	0.0	0.0
olvi14*	0.0	0.0
olvi15*	0.0	0.0
olvi16*	0.0	0.0
olvi17*	0.0	0.0
olvi18*	0.0	0.0
olvi19*	0.0	0.0
olvi20*	0.0	0.0
olvi21*	0.0	0.0
olvi22*	0.0	0.0
olvi23*	0.0	0.0
olvi24*	0.0	0.0
olvi25*	0.0	0.0
olvi26*	0.0	0.0
olvi27*	0.0	0.0
olvi28*	0.0	0.0
olvi29*	0.0	0.0
olvi30*	0.0	0.0
olvi31*	0.0	0.0
olvi32*	0.0	0.0
olvi33*	0.0	0.0
olvi34*	0.0	0.0
olvi35*	0.0	0.0
olvi36*	0.0	0.0
olvi37*	0.0	0.0
olvi38*	0.0	0.0
olvi39*	0.0	0.0
olvi40*	0.0	0.0
olvi41*	0.0	0.0
olvi42*	0.0	0.0
olvi43*	0.0	0.0
olvi44*	0.0	0.0
olvi45*	0.0	0.0
olvi46*	0.0	0.0
olvi47*	0.0	0.0
olvi48*	0.0	0.0
olvi49*	0.0	0.0
olvi50*	0.0	0.0
olvi51*	0.0	0.0
olvi52*	0.0	0.0
olvi53*	0.0	0.0
olvi54*	0.0	0.0
olvi55*	0.0	0.0
olvi56*	0.0	0.0
olvi57*	0.0	0.0
olvi58*	0.0	0.0
olvi59*	0.0	0.0
olvi60*	0.0	0.0
olvi61*	0.0	0.0
olvi62*	0.0	0.0
olvi63*	0.0	0.0
olvi64*	0.0	0.0
olvi65*	0.0	0.0
olvi66*	0.0	0.0
olvi67*	0.0	0.0
olvi68*	0.0	0.0
olvi69*	0.0	0.0
olvi70*	0.0	0.0
olvi71*	0.0	0.0
olvi72*	0.0	0.0
olvi73*	0.0	0.0
olvi74*	0.0	0.0
olvi75*	0.0	0.0
olvi76*	0.0	0.0
olvi77*	0.0	0.0
olvi78*	0.0	0.0
olvi79*	0.0	0.0
olvi80*	0.0	0.0
olvi81*	0.0	0.0
olvi82*	0.0	0.0
olvi83*	0.0	0.0
olvi84*	0.0	0.0
olvi85*	0.0	0.0
olvi86*	0.0	0.0
olvi87*	0.0	0.0
olvi88*	0.0	0.0
olvi89*	0.0	0.0
olvi90*	0.0	0.0
olvi91*	0.0	0.0
olvi92*	0.0	0.0
olvi93*	0.0	0.0
olvi94*	0.0	0.0
olvi95*	0.0	0.0
olvi96*	0.0	0.0
olvi97*	0.0	0.0
olvi98*	0.0	0.0
olvi99*	0.0	0.0
olvi100*	0.0	0.0

relative Inform. Technology (IT)		
olvi3*	1.0	0.975 0.75 (1.0)
olvi4*	0.0	0.025 0.25 (0.0)
olvi5*	1.0	0.975 0.75 (1.0)
olvi6*	0.0	0.025 0.25 (0.0)
olvi7*	1.0	0.975 0.75 (1.0)
olvi8*	0.0	0.025 0.25 (0.0)
olvi9*	1.0	0.975 0.75 (1.0)
olvi10*	0.0	0.025 0.25 (0.0)
olvi11*	1.0	0.975 0.75 (1.0)
olvi12*	0.0	0.025 0.25 (0.0)
olvi13*	1.0	0.975 0.75 (1.0)
olvi14*	0.0	0.025 0.25 (0.0)
olvi15*	1.0	0.975 0.75 (1.0)
olvi16*	0.0	0.025 0.25 (0.0)
olvi17*	1.0	0.975 0.75 (1.0)
olvi18*	0.0	0.025 0.25 (0.0)
olvi19*	1.0	0.975 0.75 (1.0)
olvi20*	0.0	0.025 0.25 (0.0)
olvi21*	1.0	0.975 0.75 (1.0)
olvi22*	0.0	0.025 0.25 (0.0)
olvi23*	1.0	0.975 0.75 (1.0)
olvi24*	0.0	0.025 0.25 (0.0)
olvi25*	1.0	0.975 0.75 (1.0)
olvi26*	0.0	0.025 0.25 (0.0)
olvi27*	1.0	0.975 0.75 (1.0)
olvi28*	0.0	0.025 0.25 (0.0)
olvi29*	1.0	0.975 0.75 (1.0)
olvi30*	0.0	0.025 0.25 (0.0)
olvi31*	1.0	0.975 0.75 (1.0)
olvi32*	0.0	0.025 0.25 (0.0)
olvi33*	1.0	0.975 0.75 (1.0)
olvi34*	0.0	0.025 0.25 (0.0)
olvi35*	1.0	0.975 0.75 (1.0)
olvi36*	0.0	0.025 0.25 (0.0)
olvi37*	1.0	0.975 0.75 (1.0)
olvi38*	0.0	0.025 0.25 (0.0)
olvi39*	1.0	0.975 0.75 (1.0)
olvi40*	0.0	0.025 0.25 (0.0)
olvi41*	1.0	0.975 0.75 (1.0)
olvi42*	0.0	0.025 0.25 (0.0)
olvi43*	1.0	0.975 0.75 (1.0)
olvi44*	0.0	0.025 0.25 (0.0)
olvi45*	1.0	0.975 0.75 (1.0)
olvi46*	0.0	0.025 0.25 (0.0)
olvi47*	1.0	0.975 0.75 (1.0)
olvi48*	0.0	0.025 0.25 (0.0)
olvi49*	1.0	0.975 0.75 (1.0)
olvi50*	0.0	0.025 0.25 (0.0)
olvi51*	1.0	0.975 0.75 (1.0)
olvi52*	0.0	0.025 0.25 (0.0)
olvi53*	1.0	0.975 0.75 (1.0)
olvi54*	0.0	0.025 0.25 (0.0)
olvi55*	1.0	0.975 0.75 (1.0)
olvi56*	0.0	0.025 0.25 (0.0)
olvi57*	1.0	0.975 0.75 (1.0)
olvi58*	0.0	0.025 0.25 (0.0)
olvi59*	1.0	0.975 0.75 (1.0)
olvi60*	0.0	0.025 0.25 (0.0)
olvi61*	1.0	0.975 0.75 (1.0)
olvi62*	0.0	0.025 0.25 (0.0)
olvi63*	1.0	0.975 0.75 (1.0)
olvi64*	0.0	0.025 0.25 (0.0)
olvi65*	1.0	0.975 0.75 (1.0)
olvi66*	0.0	0.025 0.25 (0.0)
olvi67*	1.0	0.975 0.75 (1.0)
olvi68*	0.0	0.025 0.25 (0.0)
olvi69*	1.0	0.975 0.75 (1.0)
olvi70*	0.0	0.025 0.25 (0.0)
olvi71*	1.0	0.975 0.75 (1.0)
olvi72*	0.0	0.025 0.25 (0.0)
olvi73*	1.0	0.975 0.75 (1.0)
olvi74*	0.0	0.025 0.25 (0.0)
olvi75*	1.0	0.975 0.75 (1.0)
olvi76*	0.0	0.025 0.25 (0.0)
olvi77*	1.0	0.975 0.75 (1.0)
olvi78*	0.0	0.025 0.25 (0.0)
olvi79*	1.0	0.975 0.75 (1.0)
olvi80*	0.0	0.025 0.25 (0.0)
olvi81*	1.0	0.975 0.75 (1.0)
olvi82*	0.0	0.025 0.25 (0.0)
olvi83*	1.0	0.975 0.75 (1.0)
olvi84*	0.0	0.025 0.25 (0.0)
olvi85*	1.0	0.975 0.75 (1.0)
olvi86*	0.0	0.025 0.25 (0.0)
olvi87*	1.0	0.975 0.75 (1.0)
olvi88*	0.0	0.025 0.25 (0.0)
olvi89*	1.0	0.975 0.75 (1.0)
olvi90*	0.0	0.025 0.25 (0.0)
olvi91*	1.0	0.975 0.75 (1.0)
olvi92*	0.0	0.025 0.25 (0.0)
olvi93*	1.0	0.975 0.75 (1.0)
olvi94*	0.0	0.025 0.25 (0.0)
olvi95*	1.0	0.975 0.75 (1.0)
olvi96*	0.0	0.025 0.25 (0.0)
olvi97*	1.0	0.975 0.75 (1.0)
olvi98*	0.0	0.025 0.25 (0.0)
olvi99*	1.0	0.975 0.75 (1.0)
olvi100*	0.0	0.025 0.25 (0.0)

relative Inform. Technology (IT)			
olvi3*	1.0	0.951	0.5 (1.0)
cmyn3*	0.0	0.049	0.5 (0.0)
olvi4*	1.0	0.951	0.5 1.0
cmyn4*	0.0	0.049	0.5 0.0
standard and adapted CIELAB			
LAB*LAB	90.8	-2.3	48.29
LAB*LAB _a	90.8	-1.41	43.85
LAB*TC _H a	75.0	43.87	91.85

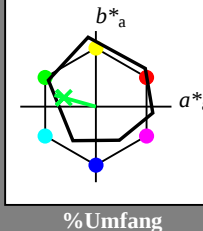
Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

lab^*ch und lab^*nch

D65: Buntton G
LCH*Ma: 53 57 164
rgb*Ma: 0.0 1.0 0.25

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

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.812 (1.0)
cmyn3* 0.25 0.0 0.188 (0.0)
olvi4* 0.75 1.0 0.812 (1.0)
cmyn4* 0.25 0.0 0.188 (0.0)
standard and adapted CIELAB
LAB*LAB 84.75 -14.46 7.85
LAB*LABa 84.75 -13.69 3.81
LAB*LABb 84.75 -14.46 7.85

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.623 (1.0)
cmyn3* 0.5 0.0 0.377 (0.0)
olvi4* 0.5 1.0 0.623 (1.0)
cmyn4* 0.5 0.0 0.377 (0.0)
standard and adapted CIELAB
LAB*LAB 74.1 -27.96 10.94
LAB*LABa 74.1 -27.96 10.94
LAB*LABb 74.1 -27.96 10.94

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.435 (1.0)
cmyn3* 0.25 0.0 0.565 (0.0)
olvi4* 0.25 1.0 0.435 (1.0)
cmyn4* 0.25 0.0 0.565 (0.0)
standard and adapted CIELAB
LAB*LAB 63.45 -41.46 14.03
LAB*LABa 63.45 -41.46 14.03
LAB*LABb 63.45 -41.46 14.03

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.248 (1.0)
cmyn3* 0.0 0.0 0.752 (0.0)
olvi4* 0.0 1.0 0.248 (1.0)
cmyn4* 0.0 0.0 0.752 (0.0)
standard and adapted CIELAB
LAB*LAB 52.8 -54.79 15.24
LAB*LABa 52.8 -54.79 15.24
LAB*LABb 52.8 -54.79 15.24

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.0 56.88 16.45
LAB*LABa 50.0 56.88 16.45
LAB*LABb 50.0 56.88 16.45

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.0 56.88 16.45
LAB*LABa 50.0 56.88 16.45
LAB*LABb 50.0 56.88 16.45

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.0 56.88 16.45
LAB*LABa 50.0 56.88 16.45
LAB*LABb 50.0 56.88 16.45

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.0 56.88 16.45
LAB*LABa 50.0 56.88 16.45
LAB*LABb 50.0 56.88 16.45

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.0 56.88 16.45
LAB*LABa 50.0 56.88 16.45
LAB*LABb 50.0 56.88 16.45

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
QMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.59	-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

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

relative Buntheit c^*

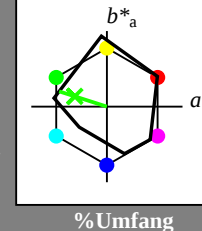
Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

lab^*ch und lab^*nch

D65: Buntton G
LCH*Ma: 56 66 162
rgb*Ma: 0.11 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 0.01 0.0
LAB*LABa 95.41 0.01 0.0
LAB*LABb 95.41 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 85.63 -15.74 5.05
LAB*LABa 85.63 -15.74 5.05
LAB*LABb 85.63 -15.74 5.05

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 75.86 -31.51 10.11
LAB*LABa 75.86 -31.51 10.11
LAB*LABb 75.86 -31.51 10.11

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.25 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.28 -47.28 15.15
LAB*LABa 66.28 -47.28 15.15
LAB*LABb 66.28 -47.28 15.15

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.0 (1.0)
cmyn3* 0.0 0.0 1.0 (0.0)
olvi4* 0.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.31 -63.05 20.19
LAB*LABa 56.31 -63.05 20.19
LAB*LABb 56.31 -63.05 20.19

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.0 66.26 16.27
LAB*LABa 50.0 66.26 16.27
LAB*LABb 50.0 66.26 16.27

MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

relative Buntheit c^*

TG510-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

BAM-Prüfvorlage TG51; Farbmetrik-Systeme ORS18 & MRS18a

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen

input: olv* setrgbcolor
output: no change compared to input

