

lab*tch und lab*nch

Dreiecks-Helligkeit t^*

OG550-7, 5 stufige

lab*tch und lab*nch

Dreiecks-Helligkeit t^*

<i>iab*iab</i>	0.0	0.0	0.0
<i>iab*ich</i>	0.0	0.0	–
<i>iab*nch</i>	1.0	0.0	–
relative Natural Colour (NC)			
<i>iab*lrj</i>	0.0	0.0	0.0
<i>iab*tce</i>	0.0	0.0	–
<i>iab*nCE</i>	1.0	0.0	–

$p^* \equiv 1.0$

<i>lab*lab</i>	0.097	0.248	-0.027
<i>lab*tch</i>	0.125	0.25	0.982
<i>lab*nc</i>	0.75	0.25	0.982
relative Natural Colour (NC)			
<i>lab*lrj</i>	0.097	0.227	-0.103
<i>lab*tce</i>	0.125	0.25	0.932
<i>lab*ncE</i>	0.75	0.25	b72r

/OG55/ Form: 6/10, Serie: 1/1, Seite: 6 Seitenzahl: 6

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

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

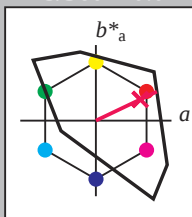
lab^*ich und lab^*nch

D65: Buntton R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 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 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 1.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

TLS00; adaptierte CIELAB-Daten

	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularität

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olv3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 73.67 40.3 19.2
LAB*LABa 73.67 40.3 19.2
LAB*LABb 75.0 44.64 25.47

relative CIELAB lab*
lab*lab 0.772 0.451 0.215
lab*ich 0.772 0.451 0.215
lab*nch 0.772 0.451 0.215
relative Natural Colour (NC)
lab*lab 0.772 0.451 0.215
lab*ich 0.772 0.451 0.215
lab*nch 0.772 0.451 0.215

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 62.81 60.46 28.81
LAB*LABa 62.81 60.46 28.81
LAB*LABb 62.5 66.97 25.48

relative CIELAB lab*
lab*lab 0.625 0.75 0.1
lab*ich 0.625 0.75 0.1
lab*nch 0.625 0.75 0.1
relative Natural Colour (NC)
lab*lab 0.625 0.75 0.1
lab*ich 0.625 0.75 0.1
lab*nch 0.625 0.75 0.1

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 51.94 80.61 38.42
LAB*LABa 51.94 80.61 38.42
LAB*LABb 50.0 89.29 25.48

relative CIELAB lab*
lab*lab 0.544 0.903 0.43
lab*ich 0.544 0.903 0.43
lab*nch 0.544 0.903 0.43
relative Natural Colour (NC)
lab*lab 0.544 0.903 0.43
lab*ich 0.544 0.903 0.43
lab*nch 0.544 0.903 0.43

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 38.97 60.46 28.82
LAB*LABa 38.97 60.46 28.82
LAB*LABb 37.51 66.98 25.49

relative CIELAB lab*
lab*lab 0.408 0.677 0.323
lab*ich 0.408 0.677 0.323
lab*nch 0.408 0.677 0.323
relative Natural Colour (NC)
lab*lab 0.408 0.677 0.323
lab*ich 0.408 0.677 0.323
lab*nch 0.408 0.677 0.323

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 25.98 40.3 19.21
LAB*LABa 25.98 40.3 19.21
LAB*LABb 25.01 44.65 25.49

relative CIELAB lab*
lab*lab 0.272 0.451 0.215
lab*ich 0.272 0.451 0.215
lab*nch 0.272 0.451 0.215
relative Natural Colour (NC)
lab*lab 0.272 0.451 0.215
lab*ich 0.272 0.451 0.215
lab*nch 0.272 0.451 0.215

relative Inform. Technology (IT)
olv3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 62.81 60.46 28.81
LAB*LABa 62.81 60.46 28.81
LAB*LABb 62.5 66.97 25.48

relative CIELAB lab*
lab*lab 0.625 0.75 0.1
lab*ich 0.625 0.75 0.1
lab*nch 0.625 0.75 0.1
relative Natural Colour (NC)
lab*lab 0.625 0.75 0.1
lab*ich 0.625 0.75 0.1
lab*nch 0.625 0.75 0.1

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 51.94 80.61 38.42
LAB*LABa 51.94 80.61 38.42
LAB*LABb 50.0 89.29 25.48

relative CIELAB lab*
lab*lab 0.544 0.903 0.43
lab*ich 0.544 0.903 0.43
lab*nch 0.544 0.903 0.43
relative Natural Colour (NC)
lab*lab 0.544 0.903 0.43
lab*ich 0.544 0.903 0.43
lab*nch 0.544 0.903 0.43

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 38.97 60.46 28.82
LAB*LABa 38.97 60.46 28.82
LAB*LABb 37.51 66.98 25.49

relative CIELAB lab*
lab*lab 0.408 0.677 0.323
lab*ich 0.408 0.677 0.323
lab*nch 0.408 0.677 0.323
relative Natural Colour (NC)
lab*lab 0.408 0.677 0.323
lab*ich 0.408 0.677 0.323
lab*nch 0.408 0.677 0.323

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 25.98 40.3 19.21
LAB*LABa 25.98 40.3 19.21
LAB*LABb 25.01 44.65 25.49

relative CIELAB lab*
lab*lab 0.272 0.451 0.215
lab*ich 0.272 0.451 0.215
lab*nch 0.272 0.451 0.215
relative Natural Colour (NC)
lab*lab 0.272 0.451 0.215
lab*ich 0.272 0.451 0.215
lab*nch 0.272 0.451 0.215

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 38.97 60.46 28.82
LAB*LABa 38.97 60.46 28.82
LAB*LABb 37.51 66.98 25.49

relative CIELAB lab*
lab*lab 0.408 0.677 0.323
lab*ich 0.408 0.677 0.323
lab*nch 0.408 0.677 0.323
relative Natural Colour (NC)
lab*lab 0.408 0.677 0.323
lab*ich 0.408 0.677 0.323
lab*nch 0.408 0.677 0.323

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

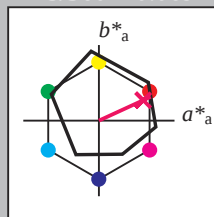
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 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 -0.98 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 1.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 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 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 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 0.24 2.14
LAB*LABa 56.71 0.24 2.14
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ich 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.5 0.0 0.0
lab*ich 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

ORS18; adaptierte CIELAB-Daten

	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularität

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

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

relative Inform. Technology (IT)
olv3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.7 34.28 15.76
LAB*LABa 71.7 34.28 15.76
LAB*LABb 75.0 37.73 24.7

relative CIELAB lab*
lab*lab 0.694 0.454 0.209
lab*ich 0.694 0.454 0.209
lab*nch 0.694 0.454 0.209
relative Natural Colour (NC)
lab*lab 0.694 0.454 0.209
lab*ich 0.694 0.454 0.209
lab*nch 0.694 0

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

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

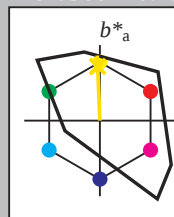
lab^*ich und lab^*nch

D65: Buntton J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	0.0	

standard and adapted CIELAB

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

relative CIELAB lab*

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

relative Natural Colour (NC)

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

standard and adapted CIELAB

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

relative CIELAB lab*

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

relative Natural Colour (NC)

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

standard and adapted CIELAB

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

relative CIELAB lab*

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

relative Natural Colour (NC)

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

standard and adapted CIELAB

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

relative CIELAB lab*

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

relative Natural Colour (NC)

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

standard and adapted CIELAB

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

relative CIELAB lab*

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

relative Natural Colour (NC)

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

TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularität

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olv3*	1.0	0.912 0.5 (1.0)
cmyn3*	0.0	0.088 0.5 (0.0)
olv4*	1.0	0.912 0.5 (1.0)
cmyn4*	0.0	0.088 0.5 (0.0)
LAB*LAB	90.31	-1.74 43.06
LAB*LABa	90.31	-1.74 43.06
LAB*LABb	90.31	-1.74 43.06

standard and adapted CIELAB

LAB*LAB	90.31	-1.74 43.06
LAB*LABa	90.31	-1.74 43.06
LAB*LABb	90.31	-1.74 43.06

relative CIELAB lab*

lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499

relative Natural Colour (NC)

lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499

standard and adapted CIELAB

LAB*LAB	90.31	-1.74 43.06
LAB*LABa	90.31	-1.74 43.06
LAB*LABb	90.31	-1.74 43.06

relative CIELAB lab*

lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499

relative Natural Colour (NC)

lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499

standard and adapted CIELAB

LAB*LAB	90.31	-1.74 43.06
LAB*LABa	90.31	-1.74 43.06
LAB*LABb	90.31	-1.74 43.06

relative CIELAB lab*

lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499

relative Natural Colour (NC)

lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499

standard and adapted CIELAB

LAB*LAB	90.31	-1.74 43.06
LAB*LABa	90.31	-1.74 43.06
LAB*LABb	90.31	-1.74 43.06

relative CIELAB lab*

lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499

relative Natural Colour (NC)

lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499
lab*lab	0.947 -0.019 0.499

standard and adapted CIELAB

LAB*LAB	90.31	-1.74 43.06
LAB*LABa	90.31	-1.74 43.06
LAB*LABb	90.31	-1.74 43.06

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

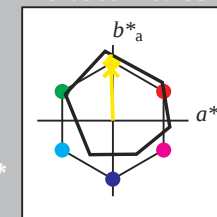
lab^*ich und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olv4*	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	-0.98	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	-
lab*nch	0.0	0.0	-
relative Natural Colour (NC)			
lab*lrj	1.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	0.0	0.0	-

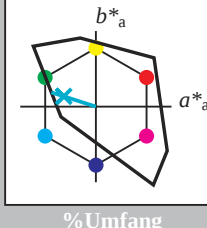
Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

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

lab^*ich und lab^*nch

D65: Buntton G
LCH*Ma: 86 62 162
olv*Ma: 0.0 1.0 0.65

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 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 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ich 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*icc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.00 0.01

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ich 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*icc 0.75 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.00 0.01

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ich 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*icc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.00 0.01

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ich 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*icc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ich 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*icc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ich 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*icc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularität

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.826 (1.0)
cmyn3* 0.5 0.0 0.174 (0.0)
olv4* 0.5 1.0 0.826 (1.0)
cmyn4* 0.5 0.0 0.174 (0.0)
standard and adapted CIELAB
LAB*LAB 90.57 -29.42 9.43
LAB*LABa 90.57 -29.42 9.43
LAB*LABb 90.57 -29.42 9.43

relative CIELAB lab*
lab*lab 0.949 -0.475 0.153
lab*ich 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.949 -0.499 0.0
lab*icc 0.75 0.5 0.3
lab*ncc 0.0 0.5 0.3

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.576 (1.0)
cmyn3* 0.75 0.25 0.424 (0.0)
olv4* 0.5 1.0 0.826 (0.5)
cmyn4* 0.5 0.0 0.174 (0.25)
standard and adapted CIELAB
LAB*LAB 66.73 -29.42 9.44
LAB*LABa 66.73 -29.42 9.44
LAB*LABb 66.73 -29.42 9.44

relative CIELAB lab*
lab*lab 0.699 -0.475 0.153
lab*ich 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.699 -0.499 0.0
lab*icc 0.5 0.5 0.3
lab*ncc 0.0 0.5 0.3

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.338 (1.0)
cmyn3* 1.0 0.5 0.662 (0.0)
olv4* 0.5 1.0 0.826 (0.5)
cmyn4* 0.5 0.0 0.174 (0.25)
standard and adapted CIELAB
LAB*LAB 42.88 -29.42 9.44
LAB*LABa 42.88 -29.42 9.44
LAB*LABb 42.88 -29.42 9.44

relative CIELAB lab*
lab*lab 0.449 -0.475 0.153
lab*ich 0.25 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.449 -0.499 0.0
lab*icc 0.25 0.5 0.3
lab*ncc 0.0 0.5 0.3

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.163 (1.0)
cmyn3* 1.0 0.75 0.837 (0.0)
olv4* 0.5 1.0 0.826 (0.5)
cmyn4* 0.5 0.0 0.174 (0.25)
standard and adapted CIELAB
LAB*LAB 21.45 -14.7 4.72
LAB*LABa 21.45 -14.7 4.72
LAB*LABb 21.45 -14.7 4.72

relative CIELAB lab*
lab*lab 0.225 -0.237 0.076
lab*ich 0.125 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.225 -0.249 0.0
lab*icc 0.125 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ich 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*icc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

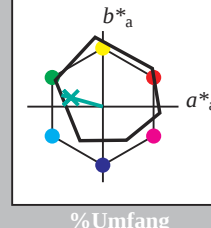
Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

lab^*ich und lab^*nch

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

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 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 -0.98 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ich 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*icc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 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 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 76.06 0.0 0.0

relative CIELAB lab*
lab*lab 0.862 -0.24 0.067
lab*ich 0.875 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.862 -0.249 0.0
lab*icc 0.875 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 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 -2.24 2.14
LAB*LABa 56.71 -2.24 2.14
LAB*LABb 56.71 -2.24 2.14

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ich 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*icc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 -0.13 0.08
LAB*LABa 23.87 0.0 0.0
LAB*LABb 23.87 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ich 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*icc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ich 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*icc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ich 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*icc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularität

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

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

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.812 (1.0)
cmyn3* 0.5 0.0 0.188 (0.0)
olv4* 0.5 1.0 0.812 (1.0)
cmyn4* 0.5 0.0 0.188 (0.0)
standard and adapted CIELAB
LAB*LAB 84.75 -14.48 7.85
LAB*LABa 84.75 -13.69 3.81
LAB*LABb 84.75 -14.25 16.46

relative CIELAB lab*
lab*lab 0.862 -0.24 0.067
lab*ich 0.875 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.862 -0.249 0.0
lab*icc 0.875 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.576 (1.0)
cmyn3* 0.75 0.25 0.424 (0.0)
olv4* 0.5 1.0 0.812 (0.5)
cmyn4* 0.5 0.0 0.188 (0.25)
standard and adapted CIELAB
LAB*LAB 65.41 -14.11 6.35
LAB*LABa 65.41 -13.7 3.81
LAB*LABb 65.41 -14.25 16.46

relative CIELAB lab*
lab*lab 0.812 -0.24 0.067
lab*ich 0.825 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.812 -0.249 0.0
lab*icc 0.825 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.312 (1.0)
cmyn3* 0.75 0.25 0.627 (0.0)
olv4* 0.5 1.0 0.812 (0.5)
cmyn4* 0.5 0.0 0.188 (0.25)
standard and adapted CIELAB
LAB*LAB 54.76 -27.61 9.64
LAB*LABa 54.76 -27.41 7.63
LAB*LABb 54.76 -28.45 16.46

relative CIELAB lab*
lab*lab 0.612 -0.24 0.067
lab*ich 0.625 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.612 -0.249 0.0
lab*icc 0.625 0.25 0.3
lab*ncc 0.0 0.25 0.3

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.688 (0.0)
cmyn3* 0.75 0.5 0.688 (0.0)
olv4* 0.5 1.0 0.812 (0.5)
cmyn4* 0.5 0.0 0.188 (0.25)
standard and adapted CIELAB
LAB*LAB 46.06 -13.74 5.24
LAB*LABa 46.06 -13.7 3.81
LAB*LABb 46.06 -14.25 16.46

relative CIELAB lab*
lab*lab 0.4606 -13.74 5.24
lab*ich 0.475 -0.499 0.0
lab*nch 0.0 0.475 0.499
relative Natural Colour (NC)
lab*trj 0.4606 -13.74 5.24
lab*icc 0.475 -0.499 0.0
lab*ncc 0.0 0.475 0.499

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.113 (1.0)
cmyn3* 1.0 0.5 0.877 (0.0)
olv4* 0.5 1.0 0.812 (0.5)
cmyn4* 0.5 0.0 0.188 (0.25)
standard and adapted CIELAB
LAB*LAB 35.41 -13.36 3.94
LAB*LABa 35.41 -13.7 3.82
LAB*LABb 35.41 -14.25 16.46

relative CIELAB lab*
lab*lab 0.3541 -13.36 3.94
lab*ich 0.337 -0.749 0.0
lab*nch 0.0 0.337 0.749
relative Natural Colour (NC)
lab*trj 0.3541 -13.36 3.94
lab*icc 0.337 -0.749 0.0
lab*ncc 0.0 0.337 0.749

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.812 (1.0)
cmyn3* 0.75 0.0 0.435 (0.0)
olv4* 0.25 1.0 0.435 (0.0)
cmyn4* 0.75 0.0 0.565 (0.0)
standard and adapted CIELAB
LAB*LAB 63.45 -41.48 14.04
LAB*LABa 63.45 -41.11 11.44
LAB*LABb 63.45 -42.68 16.46

relative CIELAB lab*
lab*lab 0.587 -0.721 0.201
lab*ich 0.625 0.75 0.457
lab*nch 0.0 0.75 0.457
relative Natural Colour (NC)
lab*trj 0.587 -0.749 0.0
lab*icc 0.625 0.75 0.3
lab*ncc 0.0 0.75 0.3

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.812 (1.0)
cmyn3* 0.75 0.0 0.435 (0.0)
olv4* 0.25 1.0 0.435 (0.0)
cmyn4* 0.75 0.0 0.565 (0.0)
standard and adapted CIELAB
LAB*LAB 52.8 -54.98 17.14
LAB*LABa 52.8 -54.81 15.26
LAB*LABb 52.8 -56.91 16.46

relative CIELAB lab*
lab*lab 0.45 -0.999 0.0
lab*ich 0.45 0.0 0.457
lab*nch 0.0 0.45 0.457
relative Natural Colour (NC)
lab*trj 0.45 -0.999 0.0
lab*icc 0.45 0.0 0.457
lab*ncc 0.0 0.45 0.457

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.812 (1.0)
cmyn3* 1.0 0.25 0.812 (0.0)
olv4* 0.25 1.0 0.812 (0.5)
cmyn4* 1.0 0.25 0.812 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 -0.13 0.08
LAB*LABa 23.87 0.0 0.0
LAB*LABb 23.87 0.0 0.0

relative CIELAB lab*
lab*lab 0.2387 -0.13 0.08
lab*ich 0.2387 0.0 0.0
lab*nch 0.0 0.2387 0.0
relative Natural Colour (NC)
lab*trj 0.2387 -0.13 0.08
lab*icc 0.2387 0.0 0.0
lab*ncc 0.0 0.2387 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted

lab*tch und lab*nch

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

Dreiecks-Helligkeit t^*



TLS00; adaptierte CIELAB-Daten					
	L^*_{a}	a^*_{a}	b^*_{a}	$C^*_{\text{ab,a}}$	h^*_{ab}
Q_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	-20.69	90.75	93.08	103
L_{Ma}	83.63	-82.75	79.9	115.04	136
C_{Ma}	86.88	-46.16	-13.55	48.12	196
V_{Ma}	30.39	76.06	-103.59	128.52	306
M_{Ma}	57.3	94.35	-58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	-2.88	71.56	71.62	92
G_{CIE}	52.23	-42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.46	46.49	272

relative Inform. Technology (IT)				
<i>olvi3*</i>	1.0	1.0	1.0	(1.0)
<i>cmyn3*</i>	0.0	0.0	0.0	(0.0)
<i>olvi4*</i>	1.0	1.0	1.0	1.0
<i>cmyn4*</i>	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LAB _a	95.41	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.903	1.0	(1.0)
cmyn3*	0.25	0.097	0.0	(0.0)
olvi4*	0.75	0.903	1.0	1.0
cmyn4*	0.25	0.097	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	87.77	0.36	-12.14	
LAB*LABa	87.77	0.36	-12.14	

relative Inform. Technology (IT)				
<i>olvi3*</i>	0.5	0.805	1.0	(1.0)
<i>cmyn3*</i>	0.5	0.195	0.0	(0.0)
<i>olvi4*</i>	0.5	0.805	1.0	1.0
<i>cmyn4*</i>	0.5	0.195	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	80.13	0.73		-24.31
LAB*LAB _a	80.13	0.73		-24.31

relative Inform. Technology (IT)			
olvi3*	0.25	0.708	1.0 (1.0)
cmyn3*	0.75	0.292	0.0 (0.0)
olvi4*	0.25	0.708	1.0
cmyn4*	0.75	0.292	0.0
standard and adapted CIELAB			
LAB*LAB	72.49	1.1	-36.47
LAB*LABa	72.49	1.1	-36.47

relative Inform. Technology (IT)				
olvi3*	0.0	0.61	1.0	(1.0)
cmyn3*	1.0	0.39	0.0	(0.0)
olvi4*	0.0	0.61	1.0	1.0
cmyn4*	1.0	0.39	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	64.86	1.47	-48.64	
LAB*LAB	64.86	1.47	-48.64	

AB* <i>TCh</i> a	50.0	0.01	–
relative CIELAB <i>lab</i> *			
<i>ab</i> * <i>lab</i>	0.5	0.0	0.0
<i>ab</i> * <i>tch</i>	0.5	0.0	–
<i>ab</i> * <i>nch</i>	0.5	0.0	–
relative Natural Colour (NC)			
<i>ab</i> * <i>lrj</i>	0.5	0.0	0.0
<i>ab</i> * <i>tce</i>	0.5	0.0	–
<i>ab</i> * <i>nce</i>	0.5	0.0	–

AB* <i>TCHa</i>	37.5	11.18	271.41
Relative CIELAB <i>lab*</i>			
<i>b*lab</i>	0.327	0.006	-0.249
<i>b*tch</i>	0.375	0.25	0.754
<i>b*nch</i>	0.5	0.25	0.754
Relative Natural Colour (NC)			
<i>b*lrj</i>	0.327	0.0	-0.249
<i>b*tce</i>	0.375	0.25	0.75
<i>b*nce</i>	0.5	0.25	b00r

<i>B*TCHa</i>	25.01	22.36	271.42
Native CIE Lab lab*			
<i>a*lab</i>	0.154	0.012	-0.499
<i>b*tch</i>	0.25	0.5	0.754
<i>b*ncH</i>	0.5	0.5	0.754
Native Natural Colour (NC)			
<i>a*lrj</i>	0.154	0.0	-0.499
<i>b*tce</i>	0.25	0.5	0.75
<i>b*nce</i>	0.5	0.5	b00r

1,00

Buntheit C^*

lung 10

relative Inform. Technology (IT)				
<i>olvi3*</i>	0.5	0.5	0.5	(1.0)
<i>cmyn3*</i>	0.5	0.5	0.5	(0.0)
<i>olvi4*</i>	1.0	1.0	1.0	0.5
<i>cmyn4*</i>	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LAB _a	47.72	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.403	0.5	(1.0)
cmyn3*	0.75	0.597	0.5	(0.0)
olvi4*	0.75	0.903	1.0	0.5
cmyn4*	0.25	0.097	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	40.07	0.37		-12.15
LAB*LAB _a	40.07	0.37		-12.15

relative Inform. Technology (IT)			
olvi3*	0.0	0.305	0.5 (1.0)
cmyn3*	1.0	0.695	0.5 (0.0)
olvi4*	0.5	0.805	1.0 0.5
cmyn4*	0.5	0.195	0.0 0.5
standard and adapted CIELAB			
LAB*LAB	32.44	0.74	-24.32
LAB*LAB ₂	32.44	0.74	-24.32

$n^* = 0,25$

0,00

<i>AB*EAB</i>	10.02	0.0	0.0
<i>AB*TCa</i>	0.01	0.01	–
<i>relative CIELAB lab*</i>			
<i>ab*lab</i>	0.0	0.0	0.0
<i>ab*tch</i>	0.0	0.0	–
<i>ab*ncb</i>	1.0	0.0	–
<i>relative Natural Colour (NC)</i>			
<i>ab*lrj</i>	0.0	0.0	0.0
<i>ab*tce</i>	0.0	0.0	–
<i>ab*nce</i>	1.0	0.0	–

für konstanten CIELA
 out: $cmv0^*$ set

000n* setcmyko

color 

11

BAM-Prüfvorlage OG55; Farbmeter

BAM-Prüfvorlage OG55; Farbmatrik-Systeme TLS00 & ORS18 input: *cmy0** *setcmykcolor*

D65: 2 Koordinatendaten von 5stufigen Farbreihen für 10 Bunttöne
 Output: *cmY0* / 000n* setcmykcolor*

S00 & ORS18 input: *cmv0* setcmykcolor*

```
0 & ORS18 input: cmy0* setcmykcolor
```

```
for 10 Bunttöne: output: cmy0* / 000n* setcmykcolor
```