

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 196/360 = 0.546$

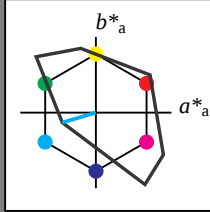
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 118$

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 0.0
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*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.00 0.01 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
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*tc 0.75 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 55.00 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
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*tc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 35.00 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
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*tc 0.25 0.0 0.0
lab*ncc 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)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 18.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 1.0$

TLS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RC _{IE}	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

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 91.27 -22.2 -6.55
LAB*LABa 91.27 -22.2 -6.55
LAB*LABb 91.27 -22.2 -6.55

relative CIELAB lab*
lab*lab 0.946 -0.478 -0.141
lab*ch 0.75 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.946 -0.44 -0.235
lab*tc 0.75 0.5 0.546
lab*ncc 0.0 0.5 0.546

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (0.75)
cmyn4* 0.5 0.0 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 71.93 -22.2 -6.55
LAB*LABa 71.93 -22.2 -6.55
LAB*LABb 71.93 -22.2 -6.55

relative CIELAB lab*
lab*lab 0.697 -0.478 -0.141
lab*ch 0.5 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.697 -0.44 -0.235
lab*tc 0.5 0.5 0.546
lab*ncc 0.0 0.5 0.546

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 52.58 -22.2 -6.55
LAB*LABa 52.58 -22.2 -6.55
LAB*LABb 52.58 -22.2 -6.55

relative CIELAB lab*
lab*lab 0.447 -0.478 -0.141
lab*ch 0.25 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.447 -0.44 -0.235
lab*tc 0.25 0.5 0.546
lab*ncc 0.0 0.5 0.546

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 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 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 18.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 0.50$

relative Inform. Technology (IT)
olvi3* 0.25 1.0 1.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 0.25 1.0 1.0 (0.5)
cmyn4* 0.75 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 89.2 -33.3 -9.83
LAB*LABa 89.2 -33.3 -9.83
LAB*LABb 89.2 -33.3 -9.83

relative CIELAB lab*
lab*lab 0.92 -0.66 -0.353
lab*ch 0.625 0.75 0.578
lab*nch 0.0 0.75 0.578
relative Natural Colour (NC)
lab*tr 0.92 -0.66 -0.353
lab*tc 0.625 0.75 0.578
lab*ncc 0.0 0.75 0.578

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 1.0 1.0 (0.5)
cmyn4* 1.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 87.13 -44.4 -13.11
LAB*LABa 87.13 -44.4 -13.11
LAB*LABb 87.13 -44.4 -13.11

relative CIELAB lab*
lab*lab 0.893 -0.958 -0.282
lab*ch 0.5 1.0 0.546
lab*nch 0.0 1.0 0.546
relative Natural Colour (NC)
lab*tr 0.893 -0.881 -0.47
lab*tc 0.5 1.0 0.546
lab*ncc 0.0 1.0 0.546

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -22.4 2.14
LAB*LABa 56.71 -22.4 2.14
LAB*LABb 56.71 -22.4 2.14

relative CIELAB lab*
lab*lab 0.631 -0.139 -0.206
lab*ch 0.5 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.631 -0.123 -0.216
lab*tc 0.5 0.5 0.546
lab*ncc 0.0 0.5 0.546

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.0
LAB*LABa 37.36 0.0 0.0
LAB*LABb 35.00 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
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*tc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

$n^* = 0.25$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0.00$

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

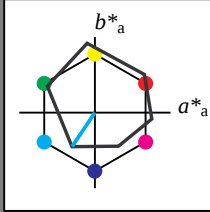
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 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 -0.98 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 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.00 0.01 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
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*tc 0.75 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -22.4 2.14
LAB*LABa 56.71 -22.4 2.14
LAB*LABb 56.71 -22.4 2.14

relative CIELAB lab*
lab*lab 0.631 -0.139 -0.206
lab*ch 0.5 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.631 -0.123 -0.216
lab*tc 0.5 0.5 0.546
lab*ncc 0.0 0.5 0.546

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.0
LAB*LABa 37.36 0.0 0.0
LAB*LABb 35.00 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
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*tc 0.25 0.0 0.0
lab*ncc 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)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 91.27 -22.2 -6.55
LAB*LABa 91.27 -22.2 -6.55
LAB*LABb 91.27 -22.2 -6.55

relative CIELAB lab*
lab*lab 0.946 -0.478 -0.141
lab*ch 0.75 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.946 -0.44 -0.235
lab*tc 0.75 0.5 0.546
lab*ncc 0.0 0.5 0.546

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (0.75)
cmyn4* 0.5 0.0 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 71.93 -22.2 -6.55
LAB*LABa 71.93 -22.2 -6.55
LAB*LABb 71.93 -22.2 -6.55

relative CIELAB lab*
lab*lab 0.697 -0.478 -0.141
lab*ch 0.5 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.697 -0.44 -0.235
lab*tc 0.5 0.5 0.546
lab*ncc 0.0 0.5 0.546

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 1.0 1.0 (0.5)
cmyn4* 1.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 89.2 -33.3 -9.83
LAB*LABa 89.2 -33.3 -9.83
LAB*LABb 89.2 -33.3 -9.83

relative CIELAB lab*
lab*lab 0.92 -0.66 -0.353
lab*ch 0.625 0.75 0.578
lab*nch 0.0 0.75 0.578
relative Natural Colour (NC)
lab*tr 0.92 -0.66 -0.353
lab*tc 0.625 0.75 0.578
lab*ncc 0.0 0.75 0.578

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -22.4 2.14
LAB*LABa 56.71 -22.4 2.14
LAB*LABb 56.71 -22.4 2.14

relative CIELAB lab*
lab*lab 0.631 -0.139 -0.206
lab*ch 0.5 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.631 -0.123 -0.216
lab*tc 0.5 0.5 0.546
lab*ncc 0.0 0.5 0.546

$n^* = 0.25$

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 (0.75)
cmyn4* 0.5 0.0 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 56.71 -22.4 2.14
LAB*LABa 56.71 -22.4 2.14
LAB*LABb 56.71 -22.4 2.14

relative CIELAB lab*
lab*lab 0.631 -0.139 -0.206
lab*ch 0.5 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.631 -0.123 -0.216
lab*tc 0.5 0.5 0.546
lab*ncc 0.0 0.5 0.546

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 1.0 1.0 (0.5)
cmyn4* 1.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 89.2 -33.3 -9.83
LAB*LABa 89.2 -33.3 -9.83
LAB*LABb 89.2 -33.3 -9.83

relative CIELAB lab*
lab*lab 0.92 -0.66 -0.353
lab*ch 0.625 0.75 0.578
lab*nch 0.0 0.75 0.578
relative Natural Colour (NC)
lab*tr 0.92 -0.66 -0.353
lab*tc 0.625 0.75 0.578
lab*ncc 0.0 0.75 0.578

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -22.4 2.14
LAB*LABa 56.71 -22.4 2.14
LAB*LABb 56.71 -22.4 2.14

relative CIELAB lab*
lab*lab 0.631 -0.139 -0.206
lab*ch 0.5 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.631 -0.123 -0.216
lab*tc 0.5 0.5 0.546
lab*ncc 0.0 0.5 0.546

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.0
LAB*LABa 37.36 0.0 0.0
LAB*LABb 35.00 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
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*tc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

$n^* = 0.00$

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 304/360 = 0.845$

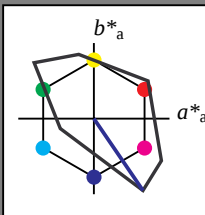
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

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*Lab 95.41 0.0 0.0
LAB*TCa 99.99 0.01

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
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 76.07 0.0 0.0
LAB*Lab 76.07 0.0 0.0
LAB*TCa 75.00 0.01

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*tc 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 (1.0)
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 56.72 0.0 0.0
LAB*Lab 56.72 0.0 0.0
LAB*TCa 50.00 0.01

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*tc 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 37.37 0.0 0.0
LAB*Lab 37.37 0.0 0.0
LAB*TCa 25.00 0.01

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*tc 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 18.03 0.0 0.0
LAB*Lab 18.03 0.0 0.0
LAB*TCa 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 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 18.03 0.0 0.0
LAB*Lab 18.03 0.0 0.0
LAB*TCa 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

TLS18; adaptierte CIELAB-Daten

	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
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	58.74	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

%Umfang
 $u^*_{rel} = 118$

%Regularität
 $g^*_{H,rel} = 22$
 $g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 65.44 32.45 -47.52
LAB*Lab 65.44 32.45 -47.52
LAB*TCa 75.0 57.55 304.33

relative CIELAB lab*
lab*lab 0.613 0.282 -0.412
lab*ch 0.75 0.5 0.845
lab*nch 0.0 0.5 0.845
relative Natural Colour (NC)
lab*tr 0.613 0.217 -0.449
lab*tc 0.75 0.5 0.822
lab*ncc 0.0 0.5 0.828

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 46.09 32.46 -47.53
LAB*Lab 46.09 32.46 -47.53
LAB*TCa 50.0 57.55 304.33

relative CIELAB lab*
lab*lab 0.363 0.282 -0.412
lab*ch 0.5 0.5 0.845
lab*nch 0.0 0.5 0.845
relative Natural Colour (NC)
lab*tr 0.363 0.218 -0.449
lab*tc 0.5 0.5 0.828
lab*ncc 0.0 0.5 0.828

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 26.75 32.45 -47.52
LAB*Lab 26.75 32.45 -47.52
LAB*TCa 25.01 57.55 304.33

relative CIELAB lab*
lab*lab 0.113 0.282 -0.412
lab*ch 0.25 0.5 0.845
lab*nch 0.0 0.5 0.845
relative Natural Colour (NC)
lab*tr 0.113 0.217 -0.449
lab*tc 0.25 0.5 0.822
lab*ncc 0.0 0.5 0.828

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*Lab 18.03 0.0 0.0
LAB*TCa 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 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* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*Lab 18.03 0.0 0.0
LAB*TCa 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

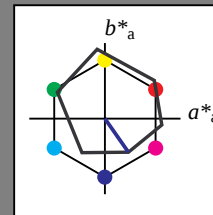
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

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*Lab 95.41 0.0 0.0
LAB*TCa 99.99 0.01

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
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*Lab 76.06 0.0 0.0
LAB*TCa 75.00 0.01

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*tc 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 (1.0)
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 0.24 2.14
LAB*Lab 56.71 0.24 2.14
LAB*TCa 50.0 115.1 304.33

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
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*tc 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 37.36 0.13 0.28
LAB*Lab 37.36 0.13 0.28
LAB*TCa 25.0 57.55 304.33

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
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*tc 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* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 0.47
LAB*Lab 18.02 0.5 0.47
LAB*TCa 0.0 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 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* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 0.47
LAB*Lab 18.02 0.5 0.47
LAB*TCa 0.0 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 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

%Umfang
 $u^*_{rel} = 93$

%Regularität
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 60.56 15.23 -19.79
LAB*Lab 60.56 15.23 -19.79
LAB*TCa 75.0 27.1 305.0

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
relative Natural Colour (NC)
lab*tr 0.55 0.225 -0.446
lab*tc 0.75 0.5 0.824
lab*ncc 0.0 0.5 0.828

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 41.22 15.56 -21.1
LAB*Lab 41.22 15.56 -21.1
LAB*TCa 50.0 27.1 305.0

relative CIELAB lab*
lab*lab 0.3 0.287 -0.409
lab*ch 0.5 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*tr 0.3 0.225 -0.446
lab*tc 0.5 0.5 0.824
lab*ncc 0.0 0.5 0.828

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 23.8 23.71 33.37
LAB*Lab 23.8 23.71 33.37
LAB*TCa 37.51 46.66 305.0

relative CIELAB lab*
lab*lab 0.0 0.573 -0.818
lab*ch 0.375 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*tr 0.0 0.449 -0.892
lab*tc 0.375 0.5 0.824
lab*ncc 0.0 0.5 0.828

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 19.94 7.77 -11.09
LAB*Lab 19.94 7.77 -11.09
LAB*TCa 12.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.0 0.287 -0.408
lab*ch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*tr 0.0 0.225 -0.446
lab*tc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.828

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 0.47
LAB*Lab 18.02 0.5 0.47
LAB*TCa 0.0 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

OG560-7, 5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (links)

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

BAM-Prüfvorlage OG56; Farbmetrik-Systeme ORS18 & ORS18input: $cmY0^* setcmykcolor$

D65: 2 Koordinatendaten von 5stufigen Farbreihen für 10 Bunttöneinput: $Startup (S) data dependend$

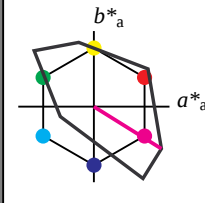
Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 328/360 = 0.911$

lab^*ch und lab^*nch

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 118$

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 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 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
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 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 76.07 0.0 0.0
LAB*LABc 76.07 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (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 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 56.72 0.0 0.0
LAB*LABc 56.72 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 37.37 0.0 0.0
LAB*LABc 37.37 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (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 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 18.03 0.0 0.0
LAB*LABc 18.03 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (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 9.01 0.0 0.0
LAB*LABa 9.01 0.0 0.0
LAB*LABb 9.01 0.0 0.0
LAB*LABc 9.01 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)
lab*lab 0.75 0.75 0.75 (1.0)
lab*lab 0.25 0.25 0.25 (0.0)

TLS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
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	58.74	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

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olv3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 77.21 44.66 -27.82
LAB*LABa 77.21 44.66 -27.82
LAB*LABb 77.21 44.66 -27.82
LAB*LABc 77.21 44.66 -27.82

relative CIELAB lab*
lab*lab 0.765 0.424 -0.263
lab*lab 0.765 0.424 -0.263
lab*lab 0.765 0.424 -0.263
lab*lab 0.765 0.424 -0.263
lab*lab 0.765 0.424 -0.263
lab*lab 0.765 0.424 -0.263
lab*lab 0.765 0.424 -0.263
lab*lab 0.765 0.424 -0.263
lab*lab 0.765 0.424 -0.263
lab*lab 0.765 0.424 -0.263

relative Inform. Technology (IT)

olv3* 0.75 0.0 0.75 (1.0)
cmyn3* 0.25 0.75 0.25 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 57.86 44.67 -27.83
LAB*LABa 57.86 44.67 -27.83
LAB*LABb 57.86 44.67 -27.83
LAB*LABc 57.86 44.67 -27.83

relative CIELAB lab*
lab*lab 0.515 0.351 -0.355
lab*lab 0.515 0.351 -0.355
lab*lab 0.515 0.351 -0.355
lab*lab 0.515 0.351 -0.355
lab*lab 0.515 0.351 -0.355
lab*lab 0.515 0.351 -0.355
lab*lab 0.515 0.351 -0.355
lab*lab 0.515 0.351 -0.355
lab*lab 0.515 0.351 -0.355
lab*lab 0.515 0.351 -0.355

relative Inform. Technology (IT)

olv3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (1.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 38.51 44.66 -27.82
LAB*LABa 38.51 44.66 -27.82
LAB*LABb 38.51 44.66 -27.82
LAB*LABc 38.51 44.66 -27.82

relative CIELAB lab*
lab*lab 0.265 0.424 -0.263
lab*lab 0.265 0.424 -0.263
lab*lab 0.265 0.424 -0.263
lab*lab 0.265 0.424 -0.263
lab*lab 0.265 0.424 -0.263
lab*lab 0.265 0.424 -0.263
lab*lab 0.265 0.424 -0.263
lab*lab 0.265 0.424 -0.263
lab*lab 0.265 0.424 -0.263
lab*lab 0.265 0.424 -0.263

relative Inform. Technology (IT)

olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 1.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 28.26 22.32 -13.9
LAB*LABa 28.26 22.32 -13.9
LAB*LABb 28.26 22.32 -13.9
LAB*LABc 28.26 22.32 -13.9

relative Inform. Technology (IT)

olv3* 1.0 0.25 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olv4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 68.11 66.99 -41.74
LAB*LABa 68.11 66.99 -41.74
LAB*LABb 68.11 66.99 -41.74
LAB*LABc 68.11 66.99 -41.74

relative CIELAB lab*
lab*lab 0.647 0.636 -0.396
lab*lab 0.647 0.636 -0.396
lab*lab 0.647 0.636 -0.396
lab*lab 0.647 0.636 -0.396
lab*lab 0.647 0.636 -0.396
lab*lab 0.647 0.636 -0.396
lab*lab 0.647 0.636 -0.396
lab*lab 0.647 0.636 -0.396
lab*lab 0.647 0.636 -0.396
lab*lab 0.647 0.636 -0.396

relative Inform. Technology (IT)

olv3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (1.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 59.01 89.31 -55.66
LAB*LABa 59.01 89.31 -55.66
LAB*LABb 59.01 89.31 -55.66
LAB*LABc 59.01 89.31 -55.66

relative CIELAB lab*
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396

relative Inform. Technology (IT)

olv3* 0.75 0.0 0.75 (1.0)
cmyn3* 0.25 0.75 0.25 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.76 66.99 -41.74
LAB*LABa 48.76 66.99 -41.74
LAB*LABb 48.76 66.99 -41.74
LAB*LABc 48.76 66.99 -41.74

relative CIELAB lab*
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396

$n^* = 0.00$

$n^* = 0.25$

Schwarzheit n^*

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

relative Buntheit c^*

$n^* = 1.0$

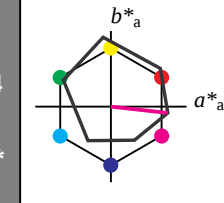
Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

lab^*ch und lab^*nch

D65: Buntton M
LCH*Ma: 48 76 354
olv*Ma: 1.0 0.0 1.0

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*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 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
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
LAB*LABc 76.06 0.0 0.0

relative CIELAB lab*
lab*lab 0.765 0.424 -0.263
lab*lab 0.765 0.424 -0.263
lab*lab 0.765 0.424 -0.263
lab*lab 0.765 0.424 -0.263
lab*lab 0.765 0.424 -0.263
lab*lab 0.765 0.424 -0.263
lab*lab 0.765 0.424 -0.263
lab*lab 0.765 0.424 -0.263
lab*lab 0.765 0.424 -0.263
lab*lab 0.765 0.424 -0.263

relative Inform. Technology (IT)

olv3* 0.75 0.0 0.75 (1.0)
cmyn3* 0.25 0.75 0.25 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 57.86 44.67 -27.83
LAB*LABa 57.86 44.67 -27.83
LAB*LABb 57.86 44.67 -27.83
LAB*LABc 57.86 44.67 -27.83

relative CIELAB lab*
lab*lab 0.515 0.351 -0.355
lab*lab 0.515 0.351 -0.355
lab*lab 0.515 0.351 -0.355
lab*lab 0.515 0.351 -0.355
lab*lab 0.515 0.351 -0.355
lab*lab 0.515 0.351 -0.355
lab*lab 0.515 0.351 -0.355
lab*lab 0.515 0.351 -0.355
lab*lab 0.515 0.351 -0.355
lab*lab 0.515 0.351 -0.355

relative Inform. Technology (IT)

olv3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (1.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 38.51 44.66 -27.82
LAB*LABa 38.51 44.66 -27.82
LAB*LABb 38.51 44.66 -27.82
LAB*LABc 38.51 44.66 -27.82

relative CIELAB lab*
lab*lab 0.265 0.424 -0.263
lab*lab 0.265 0.424 -0.263
lab*lab 0.265 0.424 -0.263
lab*lab 0.265 0.424 -0.263
lab*lab 0.265 0.424 -0.263
lab*lab 0.265 0.424 -0.263
lab*lab 0.265 0.424 -0.263
lab*lab 0.265 0.424 -0.263
lab*lab 0.265 0.424 -0.263
lab*lab 0.265 0.424 -0.263

relative Inform. Technology (IT)

olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 1.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 28.26 22.32 -13.9
LAB*LABa 28.26 22.32 -13.9
LAB*LABb 28.26 22.32 -13.9
LAB*LABc 28.26 22.32 -13.9

relative Inform. Technology (IT)

olv3* 1.0 0.25 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olv4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 68.11 66.99 -41.74
LAB*LABa 68.11 66.99 -41.74
LAB*LABb 68.11 66.99 -41.74
LAB*LABc 68.11 66.99 -41.74

relative CIELAB lab*
lab*lab 0.647 0.636 -0.396
lab*lab 0.647 0.636 -0.396
lab*lab 0.647 0.636 -0.396
lab*lab 0.647 0.636 -0.396
lab*lab 0.647 0.636 -0.396
lab*lab 0.647 0.636 -0.396
lab*lab 0.647 0.636 -0.396
lab*lab 0.647 0.636 -0.396
lab*lab 0.647 0.636 -0.396
lab*lab 0.647 0.636 -0.396

relative Inform. Technology (IT)

olv3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (1.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 59.01 89.31 -55.66
LAB*LABa 59.01 89.31 -55.66
LAB*LABb 59.01 89.31 -55.66
LAB*LABc 59.01 89.31 -55.66

relative CIELAB lab*
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396
lab*lab 0.397 0.636 -0.396

relative Inform. Technology (IT)

olv3* 0.75 0.0 0.75 (1.0)
cmyn3* 0.25 0.75 0.25 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.7

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

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

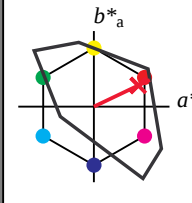
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 118$

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*Lab 95.41 0.0 0.0
LAB*TCa 99.99 0.01

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 1.0 0.0 0.0
lab*ce 1.0 0.0 0.0
lab*nce 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 76.07 0.0 0.0
LAB*Lab 76.07 0.0 0.0
LAB*TCa 75.00 0.01

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*ce 0.75 0.0 0.0
lab*nce 0.75 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 56.72 0.0 0.0
LAB*Lab 56.72 0.0 0.0
LAB*TCa 50.00 0.01

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*ce 0.5 0.0 0.0
lab*nce 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 37.37 0.0 0.0
LAB*Lab 37.37 0.0 0.0
LAB*TCa 25.00 0.01

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*ce 0.25 0.0 0.0
lab*nce 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 18.03 0.0 0.0
LAB*Lab 18.03 0.0 0.0
LAB*TCa 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1.0$

TLS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
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	58.74	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

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olv3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 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 74.51 37.03 17.64
LAB*Lab 74.51 37.03 17.64
LAB*TCa 75.00 41.02 25.48

relative CIELAB lab*
lab*lab 0.75 0.51 0.215
lab*ch 0.75 0.5 0.071
lab*nch 0.75 0.5 0.071
relative Natural Colour (NC)
lab*tr 0.75 0.5 0.0
lab*ce 0.75 0.5 0.0
lab*nce 0.75 0.5 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 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 55.17 37.04 17.65
LAB*Lab 55.17 37.04 17.65
LAB*TCa 50.00 41.03 25.48

relative CIELAB lab*
lab*lab 0.5 0.51 0.215
lab*ch 0.5 0.5 0.071
lab*nch 0.5 0.5 0.071
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.0
lab*ce 0.5 0.5 0.0
lab*nce 0.5 0.5 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 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 CIELAB
LAB*LAB 35.42 37.03 17.64
LAB*Lab 35.42 37.03 17.64
LAB*TCa 35.00 41.03 25.48

relative CIELAB lab*
lab*lab 0.5 0.0 0.0 (1.0)
lab*ch 0.5 0.0 0.0 (0.0)
lab*nch 0.5 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0 (0.0)
lab*ce 0.5 0.0 0.0 (0.0)
lab*nce 0.5 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 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 CIELAB
LAB*LAB 18.03 18.03 0.0
LAB*Lab 18.03 18.03 0.0
LAB*TCa 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0 (0.0)
lab*ce 0.0 0.0 0.0 (0.0)
lab*nce 0.0 0.0 0.0 (0.0)

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 1.0 0.25 0.25 (1.0)
cmyn3* 0.0 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 64.07 55.55 26.47
LAB*Lab 64.07 55.55 26.47
LAB*TCa 62.5 61.33 25.48

relative CIELAB lab*
lab*lab 0.5 0.25 0.25
lab*ch 0.5 0.25 0.071
lab*nch 0.5 0.25 0.071
relative Natural Colour (NC)
lab*tr 0.5 0.25 0.0
lab*ce 0.5 0.25 0.0
lab*nce 0.5 0.25 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.0 (1.0)
cmyn3* 0.25 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 CIELAB
LAB*LAB 53.62 74.06 35.3
LAB*Lab 53.62 74.06 35.3
LAB*TCa 50.00 82.04 25.48

relative CIELAB lab*
lab*lab 0.75 0.0 0.0 (1.0)
lab*ch 0.75 0.0 0.0 (0.0)
lab*nch 0.75 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0 (0.0)
lab*ce 0.75 0.0 0.0 (0.0)
lab*nce 0.75 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
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 2.14 2.14
LAB*Lab 56.71 2.14 2.14
LAB*TCa 50.00 0.01

relative CIELAB lab*
lab*lab 0.5 0.5 0.5
lab*ch 0.5 0.5 0.0
lab*nch 0.5 0.5 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.0
lab*ce 0.5 0.5 0.0
lab*nce 0.5 0.5 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 37.36 0.0 0.0
LAB*Lab 37.36 0.0 0.0
LAB*TCa 25.00 0.01

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*ce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

$n^* = 0.25$

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
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 2.14 2.14
LAB*Lab 56.71 2.14 2.14
LAB*TCa 50.00 0.01

relative CIELAB lab*
lab*lab 0.5 0.5 0.5
lab*ch 0.5 0.5 0.0
lab*nch 0.5 0.5 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.0
lab*ce 0.5 0.5 0.0
lab*nce 0.5 0.5 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 37.36 0.0 0.0
LAB*Lab 37.36 0.0 0.0
LAB*TCa 25.00 0.01

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*ce 0.25 0.0 0.0
lab*nce 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 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCa 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 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 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCa 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 0.00$

relative Buntheit c^*

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

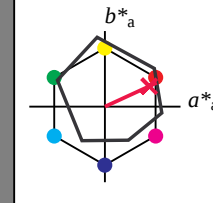
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

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*Lab 95.41 0.0 0.0
LAB*TCa 99.99 0.01

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 1.0 0.0 0.0
lab*ce 1.0 0.0 0.0
lab*nce 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*Lab 76.06 0.0 0.0
LAB*TCa 75.00 0.01

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*ce 0.75 0.0 0.0
lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
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 2.14 2.14
LAB*Lab 56.71 2.14 2.14
LAB*TCa 50.00 0.01

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*ce 0.5 0.0 0.0
lab*nce 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 37.36 0.0 0.0
LAB*Lab 37.36 0.0 0.0
LAB*TCa 25.00 0.01

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*ce 0.25 0.0 0.0
lab*nce 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 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCa 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1.0$

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*Lab 76.06 0.0 0.0
LAB*TCa 75.00 0.01

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*ce 0.75 0.0 0.0
lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
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 2.14 2.14
LAB*Lab 56.71 2.14 2.14
LAB*TCa 50.00 0.01

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*ce 0.5 0.0 0.0
lab*nce 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 37.36 0.0 0.0
LAB*Lab 37.36 0.0 0.0
LAB*TCa 25.00 0.01

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*ce 0.25 0.0 0.0
lab*nce 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 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCa 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 0.50$

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*Lab 76.06 0.0 0.0
LAB*TCa 75.00 0.01

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*ce 0.75 0.0 0.0
lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
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 2.14 2.14
LAB*Lab 56.71 2.14 2.14
LAB*TCa 50.00 0.01

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*ce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

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

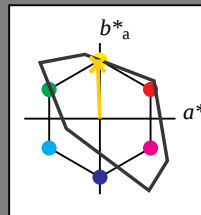
lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit t^*



TLS18; adaptierte CIELAB-Daten

	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
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	58.74	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

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
olv6*	0.0	0.0	0.0	(0.0)
olv7*	0.0	0.0	0.0	(0.0)
olv8*	0.0	0.0	0.0	(0.0)
olv9*	0.0	0.0	0.0	(0.0)
olv10*	0.0	0.0	0.0	(0.0)
olv11*	0.0	0.0	0.0	(0.0)
olv12*	0.0	0.0	0.0	(0.0)
olv13*	0.0	0.0	0.0	(0.0)
olv14*	0.0	0.0	0.0	(0.0)
olv15*	0.0	0.0	0.0	(0.0)
olv16*	0.0	0.0	0.0	(0.0)
olv17*	0.0	0.0	0.0	(0.0)
olv18*	0.0	0.0	0.0	(0.0)
olv19*	0.0	0.0	0.0	(0.0)
olv20*	0.0	0.0	0.0	(0.0)
olv21*	0.0	0.0	0.0	(0.0)
olv22*	0.0	0.0	0.0	(0.0)
olv23*	0.0	0.0	0.0	(0.0)
olv24*	0.0	0.0	0.0	(0.0)
olv25*	0.0	0.0	0.0	(0.0)
olv26*	0.0	0.0	0.0	(0.0)
olv27*	0.0	0.0	0.0	(0.0)
olv28*	0.0	0.0	0.0	(0.0)
olv29*	0.0	0.0	0.0	(0.0)
olv30*	0.0	0.0	0.0	(0.0)
olv31*	0.0	0.0	0.0	(0.0)
olv32*	0.0	0.0	0.0	(0.0)
olv33*	0.0	0.0	0.0	(0.0)
olv34*	0.0	0.0	0.0	(0.0)
olv35*	0.0	0.0	0.0	(0.0)
olv36*	0.0	0.0	0.0	(0.0)
olv37*	0.0	0.0	0.0	(0.0)
olv38*	0.0	0.0	0.0	(0.0)
olv39*	0.0	0.0	0.0	(0.0)
olv40*	0.0	0.0	0.0	(0.0)
olv41*	0.0	0.0	0.0	(0.0)
olv42*	0.0	0.0	0.0	(0.0)
olv43*	0.0	0.0	0.0	(0.0)
olv44*	0.0	0.0	0.0	(0.0)
olv45*	0.0	0.0	0.0	(0.0)
olv46*	0.0	0.0	0.0	(0.0)
olv47*	0.0	0.0	0.0	(0.0)
olv48*	0.0	0.0	0.0	(0.0)
olv49*	0.0	0.0	0.0	(0.0)
olv50*	0.0	0.0	0.0	(0.0)
olv51*	0.0	0.0	0.0	(0.0)
olv52*	0.0	0.0	0.0	(0.0)
olv53*	0.0	0.0	0.0	(0.0)
olv54*	0.0	0.0	0.0	(0.0)
olv55*	0.0	0.0	0.0	(0.0)
olv56*	0.0	0.0	0.0	(0.0)
olv57*	0.0	0.0	0.0	(0.0)
olv58*	0.0	0.0	0.0	(0.0)
olv59*	0.0	0.0	0.0	(0.0)
olv60*	0.0	0.0	0.0	(0.0)
olv61*	0.0	0.0	0.0	(0.0)
olv62*	0.0	0.0	0.0	(0.0)
olv63*	0.0	0.0	0.0	(0.0)
olv64*	0.0	0.0	0.0	(0.0)
olv65*	0.0	0.0	0.0	(0.0)
olv66*	0.0	0.0	0.0	(0.0)
olv67*	0.0	0.0	0.0	(0.0)
olv68*	0.0	0.0	0.0	(0.0)
olv69*	0.0	0.0	0.0	(0.0)
olv70*	0.0	0.0	0.0	(0.0)
olv71*	0.0	0.0	0.0	(0.0)
olv72*	0.0	0.0	0.0	(0.0)
olv73*	0.0	0.0	0.0	(0.0)
olv74*	0.0	0.0	0.0	(0.0)
olv75*	0.0	0.0	0.0	(0.0)
olv76*	0.0	0.0	0.0	(0.0)
olv77*	0.0	0.0	0.0	(0.0)
olv78*	0.0	0.0	0.0	(0.0)
olv79*	0.0	0.0	0.0	(0.0)
olv80*	0.0	0.0	0.0	(0.0)
olv81*	0.0	0.0	0.0	(0.0)
olv82*	0.0	0.0	0.0	(0.0)
olv83*	0.0	0.0	0.0	(0.0)
olv84*	0.0	0.0	0.0	(0.0)
olv85*	0.0	0.0	0.0	(0.0)
olv86*	0.0	0.0	0.0	(0.0)
olv87*	0.0	0.0	0.0	(0.0)
olv88*	0.0	0.0	0.0	(0.0)
olv89*	0.0	0.0	0.0	(0.0)
olv90*	0.0	0.0	0.0	(0.0)
olv91*	0.0	0.0	0.0	(0.0)
olv92*	0.0	0.0	0.0	(0.0)
olv93*	0.0	0.0	0.0	(0.0)
olv94*	0.0	0.0	0.0	(0.0)
olv95*	0.0	0.0	0.0	(0.0)
olv96*	0.0	0.0	0.0	(0.0)
olv97*	0.0	0.0	0.0	(0.0)
olv98*	0.0	0.0	0.0	(0.0)
olv99*	0.0	0.0	0.0	(0.0)
olv100*	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olv3*	1.0	0.954 0.75 (1.0)
olv4*	0.0	0.046 0.25 (0.0)
olv5*	0.0	0.954 0.75 (1.0)
olv6*	0.0	0.046 0.25 (0.0)
olv7*	0.0	0.954 0.75 (1.0)
olv8*	0.0	0.046 0.25 (0.0)
olv9*	0.0	0.954 0.75 (1.0)
olv10*	0.0	0.046 0.25 (0.0)
olv11*	0.0	0.954 0.75 (1.0)
olv12*	0.0	0.046 0.25 (0.0)
olv13*	0.0	0.954 0.75 (1.0)
olv14*	0.0	0.046 0.25 (0.0)
olv15*	0.0	0.954 0.75 (1.0)
olv16*	0.0	0.046 0.25 (0.0)
olv17*	0.0	0.954 0.75 (1.0)
olv18*	0.0	0.046 0.25 (0.0)
olv19*	0.0	0.954 0.75 (1.0)
olv20*	0.0	0.046 0.25 (0.0)
olv21*	0.0	0.954 0.75 (1.0)
olv22*	0.0	0.046 0.25 (0.0)
olv23*	0.0	0.954 0.75 (1.0)
olv24*	0.0	0.046 0.25 (0.0)
olv25*	0.0	0.954 0.75 (1.0)
olv26*	0.0	0.046 0.25 (0.0)
olv27*	0.0	0.954 0.75 (1.0)
olv28*	0.0	0.046 0.25 (0.0)
olv29*	0.0	0.954 0.75 (1.0)
olv30*	0.0	0.046 0.25 (0.0)
olv31*	0.0	0.954 0.75 (1.0)
olv32*	0.0	0.046 0.25 (0.0)
olv33*	0.0	0.954 0.75 (1.0)
olv34*	0.0	0.046 0.25 (0.0)
olv35*	0.0	0.954 0.75 (1.0)
olv36*	0.0	0.046 0.25 (0.0)
olv37*	0.0	0.954 0.75 (1.0)
olv38*	0.0	0.046 0.25 (0.0)
olv39*	0.0	0.954 0.75 (1.0)
olv40*	0.0	0.046 0.25 (0.0)
olv41*	0.0	0.954 0.75 (1.0)
olv42*	0.0	0.046 0.25 (0.0)
olv43*	0.0	0.954 0.75 (1.0)
olv44*	0.0	0.046 0.25 (0.0)
olv45*	0.0	0.954 0.75 (1.0)
olv46*	0.0	0.046 0.25 (0.0)
olv47*	0.0	0.954 0.75 (1.0)
olv48*	0.0	0.046 0.25 (0.0)
olv49*	0.0	0.954 0.75 (1.0)
olv50*	0.0	0.046 0.25 (0.0)
olv51*	0.0	0.954 0.75 (1.0)
olv52*	0.0	0.046 0.25 (0.0)
olv53*	0.0	0.954 0.75 (1.0)
olv54*	0.0	0.046 0.25 (0.0)
olv55*	0.0	0.954 0.75 (1.0)
olv56*	0.0	0.046 0.25 (0.0)
olv57*	0.0	0.954 0.75 (1.0)
olv58*	0.0	0.046 0.25 (0.0)
olv59*	0.0	0.954 0.75 (1.0)
olv60*	0.0	0.046 0.25 (0.0)
olv61*	0.0	0.954 0.75 (1.0)
olv62*	0.0	0.046 0.25 (0.0)
olv63*	0.0	0.954 0.75 (1.0)
olv64*	0.0	0.046 0.25 (0.0)
olv65*	0.0	0.954 0.75 (1.0)
olv66*	0.0	0.046 0.25 (0.0)
olv67*	0.0	0.954 0.75 (1.0)
olv68*	0.0	0.046 0.25 (0.0)
olv69*	0.0	0.954 0.75 (1.0)
olv70*	0.0	0.046 0.25 (0.0)
olv71*	0.0	0.954 0.75 (1.0)
olv72*	0.0	0.046 0.25 (0.0)
olv73*	0.0	0.954 0.75 (1.0)
olv74*	0.0	0.046 0.25 (0.0)
olv75*	0.0	0.954 0.75 (1.0)
olv76*	0.0	0.046 0.25 (0.0)
olv77*	0.0	0.954 0.75 (1.0)
olv78*	0.0	0.046 0.25 (0.0)
olv79*	0.0	0.954 0.75 (1.0)
olv80*	0.0	0.046 0.25 (0.0)
olv81*	0.0	0.954 0.75 (1.0)
olv82*	0.0	0.046 0.25 (0.0)
olv83*	0.0	0.954 0.75 (1.0)
olv84*	0.0	0.046 0.25 (0.0)
olv85*	0.0	0.954 0.75 (1.0)
olv86*	0.0	0.046 0.25 (0.0)
olv87*	0.0	0.954 0.75 (1.0)
olv88*	0.0	0.046 0.25 (0.0)
olv89*	0.0	0.954 0.75 (1.0)
olv90*	0.0	0.046 0.25 (0.0)
olv91*	0.0	0.954 0.75 (1.0)
olv92*	0.0	0.046 0.25 (0.0)
olv93*	0.0	0.954 0.75 (1.0)
olv94*	0.0	0.046 0.25 (0.0)
olv95*	0.0	0.954 0.75 (1.0)
olv96*	0.0	0.046 0.25 (0.0)
olv97*	0.0	0.954 0.75 (1.0)
olv98*	0.0	0.046 0.25 (0.0)
olv99*	0.0	0.954 0.75 (1.0)
olv100*	0.0	0.046 0.25 (0.0)

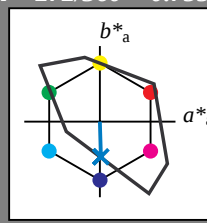
relative Inform. Technology (IT)			
olv3*	1.0	0.908	0.5 (1.0)
cmyn3*	0.0	0.092	0.5 (0.0)
olv4*	1.0	0.908	0.5 1.0
cmyn4*	0.0	0.092	0.5 0.0
standard and adapted CIELAB			
LAB*LAB	90.39	-1.58	39.25
LAB*LABa	90.39	-1.58	39.25
LAB*TCU	75.0	39.29	02.37

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

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

D65: Buntton B
LCH*Ma: 65 48 272
olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 118$

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	0.0	
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 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	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*LABb	75.00	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	75.00	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)
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*LABb	50.00	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	50.00	0.01	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	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*LABb	25.00	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0
LAB*LABa	37.37	0.0	0.0
LAB*LABb	25.00	0.01	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	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*LABb	0.01	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	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	0.0	0.0	0.0	
LAB*LABa	0.0	0.0	0.0	
LAB*LABb	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

TLS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
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	58.74	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

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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	80.44	0.71	-23.73	
LAB*LABa	80.44	0.71	-23.73	
LAB*LABb	75.00	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	80.44	0.71	-23.73
LAB*LABa	80.44	0.71	-23.73
LAB*LABb	75.00	0.01	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	61.09	0.72	-23.74	
LAB*LABa	61.09	0.72	-23.74	
LAB*LABb	50.00	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	61.09	0.72	-23.74
LAB*LABa	61.09	0.72	-23.74
LAB*LABb	50.00	0.01	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	41.74	0.72	-23.74	
LAB*LABa	41.74	0.72	-23.74	
LAB*LABb	25.01	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	41.74	0.72	-23.74
LAB*LABa	41.74	0.72	-23.74
LAB*LABb	25.01	0.01	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	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*LABb	0.01	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	0.01	0.01	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	0.0	0.0	0.0	
LAB*LABa	0.0	0.0	0.0	
LAB*LABb	0.0	0.0	0.0	

standard and adapted CIELAB

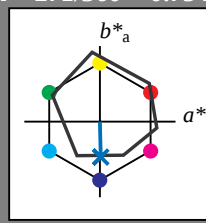
LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

D65: Buntton B
LCH*Ma: 42 45 271
olv*Ma: 0.0 0.49 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)
LAB*LAB	95.41	-0.98	4.75	
LAB*LABa	95.41	-0.98	4.75	
LAB*LABb	99.99	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	95.41	-0.98	4.75
LAB*LABa	95.41	-0.98	4.75
LAB*LABb	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)
LAB*LAB	76.06	-0.61	3.44	
LAB*LABa	76.06	-0.61	3.44	
LAB*LABb	75.00	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LABa	76.06	-0.61	3.44
LAB*LABb	75.00	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)
LAB*LAB	56.71	0.24	2.14	
LAB*LABa	56.71	0.24	2.14	
LAB*LABb	50.00	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	56.71	0.24	2.14
LAB*LABa	56.71	0.24	2.14
LAB*LABb	50.00	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	37.36	0.13	0.28	
LAB*LABa	37.36	0.13	0.28	
LAB*LABb	25.00	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	37.36	0.13	0.28
LAB*LABa	37.36	0.13	0.28
LAB*LABb	25.00	0.01	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	0.0	0.0	
LAB*LABa	18.02	0.0	0.0	
LAB*LABb	0.01	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	18.02	0.0	0.0
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.01	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	0.0	0.0	0.0	
LAB*LABa	0.0	0.0	0.0	
LAB*LABb	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

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)

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	68.6	0.07	-19.39	
LAB*LABa	68.6	0.07	-19.39	
LAB*LABb	75.00	0.01	0.0	

standard and adapted CIELAB

LAB*LAB	68.6	0.07	-19.39
LAB*LABa	68.6	0.07	-19.39
LAB*LABb	75.00	0.01	0.0