

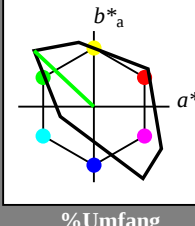
Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 137/360 = 0.38$

lab^*ch und lab^*nch

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 118$

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 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*trc 1.0 0.0 0.0
lab*ncc 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*trc 0.75 0.0 0.0
lab*ncc 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 50.01 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*trc 0.5 0.0 0.0
lab*ncc 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 25.00 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*trc 0.25 0.0 0.0
lab*ncc 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)

olv3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olv4* 0.75 0.5 0.5 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 92.55 -19.73 18.48
LAB*LABa 92.55 -19.73 18.48
LAB*LABb 87.5 27.04 136.89

relative CIELAB lab*

lab*lab 0.963 -0.181 0.171
lab*ch 0.875 0.25 0.38
lab*nch 0.0 0.25 0.38

relative Natural Colour (NC)

lab*tr 0.963 -0.21 0.135
lab*trc 0.875 0.25 0.409
lab*ncc 0.0 0.25 0.38

standard and adapted CIELAB

LAB*LAB 73.21 -19.74 18.49
LAB*LABa 73.21 -19.74 18.49
LAB*LABb 62.5 27.05 136.89

relative CIELAB lab*

lab*lab 0.713 -0.182 0.171
lab*ch 0.625 0.25 0.38
lab*nch 0.0 0.25 0.38

relative Natural Colour (NC)

lab*tr 0.713 -0.21 0.135
lab*trc 0.625 0.25 0.409
lab*ncc 0.0 0.25 0.38

standard and adapted CIELAB

LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.01 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*trc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.37 0.0 0.0

%Regularität

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

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

relative Inform. Technology (IT)

olv3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olv4* 0.75 0.5 0.5 (1.0)
cmyn4* 0.25 0.0 0.0 (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 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*trc 0.75 0.0 0.0
lab*ncc 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 50.01 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*trc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.13 0.83
LAB*LABb 25.00 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*trc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 18.02 0.0 0.0

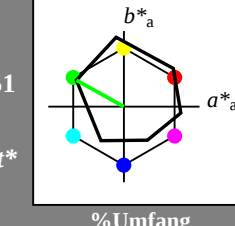
Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 151/360 = 0.419$

lab^*ch und lab^*nch

D65: Buntton L
LCH*Ma: 51 72 151
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 93$

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 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*trc 1.0 0.0 0.0
lab*ncc 0.0 0.0 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 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*trc 0.75 0.0 0.0
lab*ncc 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 50.01 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*trc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.13 0.83
LAB*LABb 25.00 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

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 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (1.0)

standard and adapted CIELAB

LAB*LAB 73.15 -31.4 17.48
LAB*LABa 73.15 -31.4 17.48
LAB*LABb 75.0 35.95 150.91

relative CIELAB lab*

lab*lab 0.712 -0.436 0.243
lab*ch 0.75 0.0 0.5 (1.0)
lab*nch 0.0 0.5 0.419

relative Natural Colour (NC)

lab*tr 0.712 -0.478 0.144
lab*trc 0.75 0.0 0.453
lab*ncc 0.0 0.5 0.419

standard and adapted CIELAB

LAB*LAB 53.81 -31.6 19.43
LAB*LABa 53.81 -31.6 19.43
LAB*LABb 50.0 35.95 150.91

relative CIELAB lab*

lab*lab 0.569 -0.654 0.365
lab*ch 0.75 0.0 0.5 (1.0)
lab*nch 0.0 0.5 0.419

relative Natural Colour (NC)

lab*tr 0.569 -0.717 0.217
lab*trc 0.625 0.25 0.453
lab*ncc 0.0 0.5 0.419

standard and adapted CIELAB

LAB*LAB 34.46 -47.11 26.21
LAB*LABa 34.46 -47.11 26.21
LAB*LABb 37.51 53.92 150.91

relative CIELAB lab*

lab*lab 0.319 -0.654 0.365
lab*ch 0.375 0.25 0.419
lab*nch 0.0 0.5 0.419

relative Natural Colour (NC)

lab*tr 0.319 -0.717 0.217
lab*trc 0.375 0.25 0.453
lab*ncc 0.0 0.5 0.419

standard and adapted CIELAB

LAB*LAB 18.02 0.0 0.0

NG560-7, 5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

BAM-Prüfvorlage NG56; Farbmetrik-Systeme ORS18 & ORS18input: olv* setrgbcolor

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: Startup (S) data dependend

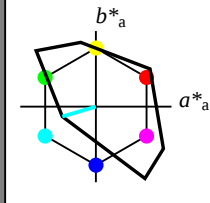
Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

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

lab^*tch 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)
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 0.0

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

relative Inform. Technology (IT)
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 75.00 0.01 0.0

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

relative Inform. Technology (IT)
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*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*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
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 35.00 0.01 0.0

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

relative Inform. Technology (IT)
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*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*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 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
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* 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 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*tch 0.75 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*trj 0.946 -0.44 -0.235
lab*tce 0.75 0.5 0.546
lab*nce 0.0 0.5 0.546

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olv4* 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 -0.44 -0.235
lab*tch 0.5 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*trj 0.697 -0.44 -0.235
lab*tce 0.5 0.5 0.546
lab*nce 0.0 0.5 0.546

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olv4* 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*tch 0.25 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*trj 0.447 -0.44 -0.235
lab*tce 0.25 0.5 0.546
lab*nce 0.0 0.5 0.546

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olv4* 0.25 1.0 1.0 (0.25)
cmyn4* 0.25 0.0 0.0 (0.75)
standard and adapted CIELAB
LAB*LAB 32.58 -22.2 -6.55
LAB*LABa 32.58 -22.2 -6.55
LAB*LABb 32.58 -22.2 -6.55

relative CIELAB lab*
lab*lab 0.189 -0.478 -0.141
lab*tch 0.125 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*trj 0.189 -0.44 -0.235
lab*tce 0.125 0.5 0.546
lab*nce 0.0 0.5 0.546

$n^* = 0.25$

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 0.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 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*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Buntheit c^*

$n^* = 0.00$

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (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*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

$n^* = 1.0$

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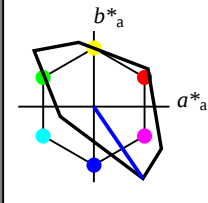
Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

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

lab^*ich 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* 0.0 0.0 0.0 (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 0.0

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*icr 1.0 0.0 0.0
lab*ice 1.0 0.0 0.0
lab*nice 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 75.00 0.01 0.0

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*icr 0.75 0.0 0.0
lab*ice 0.75 0.0 0.0
lab*nice 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*LABa 56.72 0.0 0.0
LAB*LABb 50.00 0.01 0.0

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*icr 0.5 0.0 0.0
lab*ice 0.5 0.0 0.0
lab*nice 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*LABa 37.37 0.0 0.0
LAB*LABb 25.00 0.01 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*icr 0.25 0.0 0.0
lab*ice 0.25 0.0 0.0
lab*nice 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (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 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 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*icr 0.0 0.0 0.0
lab*ice 0.0 0.0 0.0
lab*nice 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 80.42 16.22 -23.75
LAB*LABa 80.42 16.22 -23.75
LAB*LABb 87.5 28.77 304.33

relative CIELAB lab*
lab*lab 0.86 0.141 -0.205
lab*ich 0.875 0.25 0.845
lab*nch 0.0 0.25 0.845
relative Natural Colour (NC)
lab*icr 0.86 0.141 -0.224
lab*ice 0.875 0.25 0.824
lab*nice 0.0 0.25 0.824

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 61.08 16.23 -23.76
LAB*LABa 61.08 16.23 -23.76
LAB*LABb 62.5 28.78 304.33

relative CIELAB lab*
lab*lab 0.56 0.141 -0.205
lab*ich 0.625 0.25 0.845
lab*nch 0.0 0.25 0.845
relative Natural Colour (NC)
lab*icr 0.56 0.141 -0.224
lab*ice 0.625 0.25 0.824
lab*nice 0.0 0.25 0.824

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 41.73 16.23 -23.76
LAB*LABa 41.73 16.23 -23.76
LAB*LABb 43.75 28.78 304.33

relative CIELAB lab*
lab*lab 0.36 0.141 -0.205
lab*ich 0.375 0.25 0.845
lab*nch 0.0 0.25 0.845
relative Natural Colour (NC)
lab*icr 0.36 0.141 -0.224
lab*ice 0.375 0.25 0.824
lab*nice 0.0 0.25 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (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 26.75 32.45 -47.52
LAB*LABa 26.75 32.45 -47.52
LAB*LABb 25.01 57.55 304.33

relative CIELAB lab*
lab*lab 0.113 0.282 -0.412
lab*ich 0.25 0.5 0.845
lab*nch 0.0 0.5 0.845
relative Natural Colour (NC)
lab*icr 0.113 0.282 -0.449
lab*ice 0.25 0.5 0.824
lab*nice 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (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 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 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*icr 0.0 0.0 0.0
lab*ice 0.0 0.0 0.0
lab*nice 0.0 0.0 0.0

$n^* = 0.50$

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* 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 63.44 32.45 -47.52
LAB*LABa 63.44 32.45 -47.52
LAB*LABb 65.0 30.0 304.33

relative CIELAB lab*
lab*lab 0.613 0.282 -0.412
lab*ich 0.75 0.5 0.845
lab*nch 0.0 0.5 0.845
relative Natural Colour (NC)
lab*icr 0.613 0.282 -0.449
lab*ice 0.75 0.5 0.824
lab*nice 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (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 50.45 48.68 -71.28
LAB*LABa 50.45 48.68 -71.28
LAB*LABb 50.0 30.0 304.33

relative CIELAB lab*
lab*lab 0.419 0.423 -0.618
lab*ich 0.625 0.75 0.845
lab*nch 0.0 0.75 0.845
relative Natural Colour (NC)
lab*icr 0.419 0.423 -0.674
lab*ice 0.625 0.75 0.824
lab*nice 0.0 0.75 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (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 35.47 64.91 -95.04
LAB*LABa 35.47 64.91 -95.04
LAB*LABb 35.0 115.1 304.33

relative CIELAB lab*
lab*lab 0.228 0.564 -0.825
lab*ich 0.5 1.0 0.845
lab*nch 0.0 1.0 0.845
relative Natural Colour (NC)
lab*icr 0.228 0.564 -0.899
lab*ice 0.5 1.0 0.824
lab*nice 0.0 1.0 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (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 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 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*icr 0.0 0.0 0.0
lab*ice 0.0 0.0 0.0
lab*nice 0.0 0.0 0.0

$n^* = 0.00$

$n^* = 0.00$

$n^* = 0.25$

Schwarzheit n^*

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

relative Buntheit c^*

$n^* = 1.0$

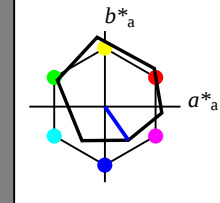
Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

lab^*ich 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*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*ich 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*icr 1.0 0.0 0.0
lab*ice 1.0 0.0 0.0
lab*nice 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 0.0

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*icr 0.75 0.0 0.0
lab*ice 0.75 0.0 0.0
lab*nice 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*LABa 56.71 0.24 2.14
LAB*LABb 50.0 0.01 0.0

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*icr 0.5 0.0 0.0
lab*ice 0.5 0.0 0.0
lab*nice 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*LABa 37.36 0.13 0.28
LAB*LABb 25.0 0.01 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*icr 0.25 0.0 0.0
lab*ice 0.25 0.0 0.0
lab*nice 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 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*icr 0.0 0.0 0.0
lab*ice 0.0 0.0 0.0
lab*nice 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 77.99 7.12 -7.51
LAB*LABa 77.99 7.12 -7.51
LAB*LABb 87.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.775 0.143 -0.204
lab*ich 0.875 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*icr 0.775 0.143 -0.222
lab*ice 0.875 0.25 0.824
lab*nice 0.0 0.25 0.824

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 58.64 7.49 -8.82
LAB*LABa 58.64 7.49 -8.82
LAB*LABb 62.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.525 0.143 -0.204
lab*ich 0.625 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*icr 0.525 0.143 -0.222
lab*ice 0.625 0.25 0.824
lab*nice 0.0 0.25 0.824

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 39.29 7.87 -10.13
LAB*LABa 39.29 7.87 -10.13
LAB*LABb 37.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.25 0.143 -0.204
lab*ich 0.375 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*icr 0.25 0.143 -0.222
lab*ice 0.375 0.25 0.824
lab*nice 0.0 0.25 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (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 19.94 7.23 -11.43
LAB*LABa 19.94 7.23 -11.43
LAB*LABb 12.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.025 0.143 -0.204
lab*ich 0.125 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*icr 0.025 0.143 -0.222
lab*ice 0.125 0.25 0.824
lab*nice 0.0 0.25 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 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*icr 0.0 0.0 0.0
lab*ice 0.0 0.0 0.0
lab*nice 0.0 0.0 0.0

$n^* = 1.0$

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 0.5 0.5 (1.0)
cmyn3*

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

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

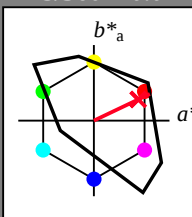
lab^*ch und lab^*nch

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)
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	0.75	0.785	(1.0)
olv4*	0.0	0.25	0.215	(0.0)
olv5*	0.0	0.75	0.785	(1.0)
olv6*	0.0	0.25	0.215	(0.0)
olv7*	0.0	0.75	0.785	(1.0)
olv8*	0.0	0.25	0.215	(0.0)
olv9*	0.0	0.75	0.785	(1.0)
olv10*	0.0	0.25	0.215	(0.0)
olv11*	0.0	0.75	0.785	(1.0)
olv12*	0.0	0.25	0.215	(0.0)
olv13*	0.0	0.75	0.785	(1.0)
olv14*	0.0	0.25	0.215	(0.0)
olv15*	0.0	0.75	0.785	(1.0)
olv16*	0.0	0.25	0.215	(0.0)
olv17*	0.0	0.75	0.785	(1.0)
olv18*	0.0	0.25	0.215	(0.0)
olv19*	0.0	0.75	0.785	(1.0)
olv20*	0.0	0.25	0.215	(0.0)
olv21*	0.0	0.75	0.785	(1.0)
olv22*	0.0	0.25	0.215	(0.0)
olv23*	0.0	0.75	0.785	(1.0)
olv24*	0.0	0.25	0.215	(0.0)
olv25*	0.0	0.75	0.785	(1.0)
olv26*	0.0	0.25	0.215	(0.0)
olv27*	0.0	0.75	0.785	(1.0)
olv28*	0.0	0.25	0.215	(0.0)
olv29*	0.0	0.75	0.785	(1.0)
olv30*	0.0	0.25	0.215	(0.0)
olv31*	0.0	0.75	0.785	(1.0)
olv32*	0.0	0.25	0.215	(0.0)
olv33*	0.0	0.75	0.785	(1.0)
olv34*	0.0	0.25	0.215	(0.0)
olv35*	0.0	0.75	0.785	(1.0)
olv36*	0.0	0.25	0.215	(0.0)
olv37*	0.0	0.75	0.785	(1.0)
olv38*	0.0	0.25	0.215	(0.0)
olv39*	0.0	0.75	0.785	(1.0)
olv40*	0.0	0.25	0.215	(0.0)
olv41*	0.0	0.75	0.785	(1.0)
olv42*	0.0	0.25	0.215	(0.0)
olv43*	0.0	0.75	0.785	(1.0)
olv44*	0.0	0.25	0.215	(0.0)
olv45*	0.0	0.75	0.785	(1.0)
olv46*	0.0	0.25	0.215	(0.0)
olv47*	0.0	0.75	0.785	(1.0)
olv48*	0.0	0.25	0.215	(0.0)
olv49*	0.0	0.75	0.785	(1.0)
olv50*	0.0	0.25	0.215	(0.0)
olv51*	0.0	0.75	0.785	(1.0)
olv52*	0.0	0.25	0.215	(0.0)
olv53*	0.0	0.75	0.785	(1.0)
olv54*	0.0	0.25	0.215	(0.0)
olv55*	0.0	0.75	0.785	(1.0)
olv56*	0.0	0.25	0.215	(0.0)
olv57*	0.0	0.75	0.785	(1.0)
olv58*	0.0	0.25	0.215	(0.0)
olv59*	0.0	0.75	0.785	(1.0)
olv60*	0.0	0.25	0.215	(0.0)
olv61*	0.0	0.75	0.785	(1.0)
olv62*	0.0	0.25	0.215	(0.0)
olv63*	0.0	0.75	0.785	(1.0)
olv64*	0.0	0.25	0.215	(0.0)
olv65*	0.0	0.75	0.785	(1.0)
olv66*	0.0	0.25	0.215	(0.0)
olv67*	0.0	0.75	0.785	(1.0)
olv68*	0.0	0.25	0.215	(0.0)
olv69*	0.0	0.75	0.785	(1.0)
olv70*	0.0	0.25	0.215	(0.0)
olv71*	0.0	0.75	0.785	(1.0)
olv72*	0.0	0.25	0.215	(0.0)
olv73*	0.0	0.75	0.785	(1.0)
olv74*	0.0	0.25	0.215	(0.0)
olv75*	0.0	0.75	0.785	(1.0)
olv76*	0.0	0.25	0.215	(0.0)
olv77*	0.0	0.75	0.785	(1.0)
olv78*	0.0	0.25	0.215	(0.0)
olv79*	0.0	0.75	0.785	(1.0)
olv80*	0.0	0.25	0.215	(0.0)
olv81*	0.0	0.75	0.785	(1.0)
olv82*	0.0	0.25	0.215	(0.0)
olv83*	0.0	0.75	0.785	(1.0)
olv84*	0.0	0.25	0.215	(0.0)
olv85*	0.0	0.75	0.785	(1.0)
olv86*	0.0	0.25	0.215	(0.0)
olv87*	0.0	0.75	0.785	(1.0)
olv88*	0.0	0.25	0.215	(0.0)
olv89*	0.0	0.75	0.785	(1.0)
olv90*	0.0	0.25	0.215	(0.0)
olv91*	0.0	0.75	0.785	(1.0)
olv92*	0.0	0.25	0.215	(0.0)
olv93*	0.0	0.75	0.785	(1.0)
olv94*	0.0	0.25	0.215	(0.0)
olv95*	0.0	0.75	0.785	(1.0)
olv96*	0.0	0.25	0.215	(0.0)
olv97*	0.0	0.75	0.785	(1.0)
olv98*	0.0	0.25	0.215	(0.0)
olv99*	0.0	0.75	0.785	(1.0)
olv100*	0.0	0.25	0.215	(0.0)

LAB*TCHa	87.5	20.51	25.47
relative CIELAB lab*			
lab*lab	0.865	0.226	0.107
lab*tch	0.875	0.25	0.071
lab*nch	0.0	0.25	0.071
relative Natural Colour (NC)			
lab*lrj	0.865	0.25	0.0
lab*tce	0.875	0.25	1.0
lab*nce	0.0	0.25	b99r

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

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

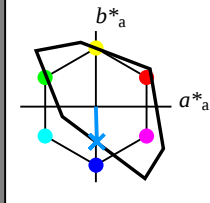
lab^*ich und lab^*nch

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)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	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*LAB	99.99	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.895	1.0	(1.0)
olv3*	0.25	0.105	0.0	(0.0)
olv4*	0.75	0.895	1.0	(1.0)
olv4*	0.25	0.105	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	87.52	0.35	-11.85	
LAB*LAB	87.52	0.35	-11.85	
LAB*LAB	87.52	0.35	-11.85	

relative Inform. Technology (IT)

olv3*	0.75	0.895	1.0	(1.0)
olv3*	0.25	0.105	0.0	(0.0)
olv4*	0.75	0.895	1.0	(1.0)
olv4*	0.25	0.105	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	87.52	0.35	-11.85	
LAB*LAB	87.52	0.35	-11.85	
LAB*LAB	87.52	0.35	-11.85	

relative Inform. Technology (IT)

olv3*	0.75	0.895	1.0	(1.0)
olv3*	0.25	0.105	0.0	(0.0)
olv4*	0.75	0.895	1.0	(1.0)
olv4*	0.25	0.105	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	87.52	0.35	-11.85	
LAB*LAB	87.52	0.35	-11.85	
LAB*LAB	87.52	0.35	-11.85	

relative Inform. Technology (IT)

olv3*	0.75	0.895	1.0	(1.0)
olv3*	0.25	0.105	0.0	(0.0)
olv4*	0.75	0.895	1.0	(1.0)
olv4*	0.25	0.105	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	87.52	0.35	-11.85	
LAB*LAB	87.52	0.35	-11.85	
LAB*LAB	87.52	0.35	-11.85	

relative Inform. Technology (IT)

olv3*	0.75	0.895	1.0	(1.0)
olv3*	0.25	0.105	0.0	(0.0)
olv4*	0.75	0.895	1.0	(1.0)
olv4*	0.25	0.105	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	87.52	0.35	-11.85	
LAB*LAB	87.52	0.35	-11.85	
LAB*LAB	87.52	0.35	-11.85	

relative Inform. Technology (IT)

olv3*	0.75	0.895	1.0	(1.0)
olv3*	0.25	0.105	0.0	(0.0)
olv4*	0.75	0.895	1.0	(1.0)
olv4*	0.25	0.105	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	87.52	0.35	-11.85	
LAB*LAB	87.52	0.35	-11.85	
LAB*LAB	87.52	0.35	-11.85	

relative Inform. Technology (IT)

olv3*	0.75	0.895	1.0	(1.0)
olv3*	0.25	0.105	0.0	(0.0)
olv4*	0.75	0.895	1.0	(1.0)
olv4*	0.25	0.105	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	87.52	0.35	-11.85	
LAB*LAB	87.52	0.35	-11.85	
LAB*LAB	87.52	0.35	-11.85	

relative Inform. Technology (IT)

olv3*	0.75	0.895	1.0	(1.0)
olv3*	0.25	0.105	0.0	(0.0)
olv4*	0.75	0.895	1.0	(1.0)
olv4*	0.25	0.105	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	87.52	0.35	-11.85	
LAB*LAB	87.52	0.35	-11.85	
LAB*LAB	87.52	0.35	-11.85	

relative Inform. Technology (IT)

olv3*	0.75	0.895	1.0	(1.0)
olv3*	0.25	0.105	0.0	(0.0)
olv4*	0.75	0.895	1.0	(1.0)
olv4*	0.25	0.105	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	87.52	0.35	-11.85	
LAB*LAB	87.52	0.35	-11.85	
LAB*LAB	87.52	0.35	-11.85	

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

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

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

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

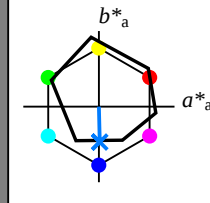
lab^*tch und lab^*nch

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)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	-0.98	4.75	
LAB*LAB	95.41	-0.98	4.75	
LAB*LAB	99.99	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.872	1.0	(1.0)
olv3*	0.25	0.128	0.0	(0.0)
olv4*	0.75	0.872	1.0	(1.0)
olv4*	0.25	0.128	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	82.0	-0.45	-7.31	
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