

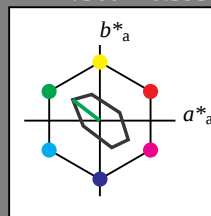
Eingabe: Farbmetrisches Fernseh-Licht-System TLS70

für Buntton $h^* = lab^*h = 142/360 = 0.395$ lab^*ch und lab^*nch

D65: Buntton L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 16$

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*LAB 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*ch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

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 88.98 0.0 0.0

LAB*LAB 88.98 0.0 0.0

LAB*LAB 88.98 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*ch 0.75 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*tr 0.75 0.0 0.0

lab*ce 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 82.56 0.0 0.0

LAB*LAB 82.56 0.0 0.0

LAB*LAB 82.56 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*ch 0.5 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*tr 0.5 0.0 0.0

lab*ce 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 (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 76.13 0.0 0.0

LAB*LAB 76.13 0.0 0.0

LAB*LAB 76.13 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*ch 0.25 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*tr 0.25 0.0 0.0

lab*ce 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 69.13 0.0 0.0

LAB*LAB 69.13 0.0 0.0

LAB*LAB 69.13 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*ch 0.0 0.0 0.0

lab*nch 1.0 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 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 69.13 0.0 0.0

LAB*LAB 69.13 0.0 0.0

LAB*LAB 69.13 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*ch 0.0 0.0 0.0

lab*nch 1.0 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 1.0 0.0 0.0

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	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

 $g^*_{H,rel} = 34$ $g^*_{C,rel} = 51$

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 92.36 -17.89 13.82

LAB*LAB 92.36 -17.89 13.82

LAB*LAB 92.36 -17.89 13.82

relative CIELAB lab*

lab*lab 0.881 -0.395 0.305

lab*ch 0.75 0.5 0.395

lab*nch 0.0 0.5 0.395

relative Natural Colour (NC)

lab*tr 0.881 -0.45 0.216

lab*ce 0.75 0.5 0.429

lab*nce 0.0 0.5 0.429

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 85.94 -17.9 13.82

LAB*LAB 85.94 -17.9 13.82

LAB*LAB 85.94 -17.9 13.82

relative CIELAB lab*

lab*lab 0.632 -0.395 0.306

lab*ch 0.5 0.5 0.395

lab*nch 0.0 0.5 0.395

relative Natural Colour (NC)

lab*tr 0.632 -0.45 0.216

lab*ce 0.5 0.5 0.429

lab*nce 0.0 0.5 0.429

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 0.5 0.0 (0.0)

olv4* 1.0 0.5 0.0 (0.0)

cmyn4* 0.0 0.0 0.5 (0.0)

standard and adapted CIELAB

LAB*LAB 79.51 -17.89 13.82

LAB*LAB 79.51 -17.89 13.82

LAB*LAB 79.51 -17.89 13.82

relative CIELAB lab*

lab*lab 0.441 -0.395 0.306

lab*ch 0.375 0.5 0.395

lab*nch 0.0 0.5 0.395

relative Natural Colour (NC)

lab*tr 0.441 -0.45 0.216

lab*ce 0.375 0.5 0.429

lab*nce 0.0 0.5 0.429

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 0.5 0.0 (0.0)

olv4* 1.0 0.5 0.0 (0.0)

cmyn4* 0.0 0.0 0.5 (0.0)

standard and adapted CIELAB

LAB*LAB 79.51 -17.89 13.82

LAB*LAB 79.51 -17.89 13.82

LAB*LAB 79.51 -17.89 13.82

relative CIELAB lab*

lab*lab 0.441 -0.395 0.306

lab*ch 0.375 0.5 0.395

lab*nch 0.0 0.5 0.395

relative Natural Colour (NC)

lab*tr 0.441 -0.45 0.216

lab*ce 0.375 0.5 0.429

lab*nce 0.0 0.5 0.429

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 0.5 0.0 (0.0)

olv4* 1.0 0.5 0.0 (0.0)

cmyn4* 0.0 0.0 0.5 (0.0)

standard and adapted CIELAB

LAB*LAB 79.51 -17.89 13.82

LAB*LAB 79.51 -17.89 13.82

LAB*LAB 79.51 -17.89 13.82

relative CIELAB lab*

lab*lab 0.441 -0.395 0.306

lab*ch 0.375 0.5 0.395

lab*nch 0.0 0.5 0.395

relative Natural Colour (NC)

lab*tr 0.441 -0.45 0.216

lab*ce 0.375 0.5 0.429

lab*nce 0.0 0.5 0.429

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 90.84 -26.84 20.73

LAB*LAB 90.84 -26.84 20.73

LAB*LAB 90.84 -26.84 20.73

relative CIELAB lab*

lab*lab 0.822 -0.593 0.458

lab*ch 0.625 0.75 0.395

lab*nch 0.0 0.75 0.395

relative Natural Colour (NC)

lab*tr 0.822 -0.675 0.324

lab*ce 0.625 0.75 0.429

lab*nce 0.0 0.75 0.429

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 89.32 -35.79 27.63

LAB*LAB 89.32 -35.79 27.63

LAB*LAB 89.32 -35.79 27.63

relative CIELAB lab*

lab*lab 0.763 -0.79 0.611

lab*ch 0.5 0.5 0.395

lab*nch 0.0 0.5 0.395

relative Natural Colour (NC)

lab*tr 0.763 -0.901 0.432

lab*ce 0.5 0.5 0.429

lab*nce 0.0 1.0 0.429

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 0.25 0.0 (0.0)

olv4* 1.0 0.25 0.0 (0.0)

cmyn4* 0.0 0.0 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 84.42 -26.84 20.73

LAB*LAB 84.42 -26.84 20.73

LAB*LAB 84.42 -26.84 20.73

relative CIELAB lab*

lab*lab 0.572 -0.593 0.458

lab*ch 0.375 0.75 0.395

lab*nch 0.0 0.75 0.395

relative Natural Colour (NC)

lab*tr 0.572 -0.675 0.324

lab*ce 0.375 0.75 0.429

lab*nce 0.0 0.75 0.429

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 0.5 0.0 (0.0)

olv4* 1.0 0.5 0.0 (0.0)

cmyn4* 0.0 0.0 0.5 (0.0)

standard and adapted CIELAB

LAB*LAB 79.51 -17.89 13.82

LAB*LAB 79.51 -17.89 13.82

LAB*LAB 79.51 -17.89 13.82

relative CIELAB lab*

lab*lab 0.441 -0.395 0.306

lab*ch 0.375 0.5 0.395

lab*nch 0.0 0.5 0.395

relative Natural Colour (NC)

lab*tr 0.441 -0.45 0.216

lab*ce 0.375 0.5 0.429

lab*nce 0.0 0.5 0.429

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 0.5 0.0 (0.0)

olv4* 1.0 0.5 0.0 (0.0)

cmyn4* 0.0 0.0 0.5 (0.0)

standard and adapted CIELAB

LAB*LAB 79.51 -17.89 13.82

LAB*LAB 79.51 -17.89 13.82

LAB*LAB 79.51 -17.89 13.82

relative CIELAB lab*

lab*lab 0.441 -0.395 0.306

lab*ch 0.375 0.5 0.395

lab*nch 0.0 0.5 0.395

relative Natural Colour (NC)

lab*tr 0.441 -0.45 0.216

lab*ce 0.375 0.5 0.429

lab*nce 0.0 0.5 0.429

 $n^* = 0.00$ $n^* = 0.25$ Schwarzheit n^* $n^* = 0.50$ relative Buntheit c^*

0.00

0.25

0.50

0.75

1.00

1.25

1.50

1.75

2.00

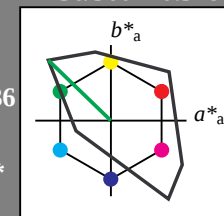
Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 136/360 = 0.378$ lab^*ch und lab^*nch

D65: Buntton L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 158$

relative Inform. Technology (IT)

olv3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LAB 95.41 0.0 0.0

LAB*LAB 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*ch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

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 92.36 -17.89 13.82

LAB*LAB 92.36 -17.89 13.82

LAB*LAB 92.36 -17.89 13.82

relative CIELAB lab*

lab*lab 0.881 -0.395 0.305

lab*ch 0.75 0.5 0.395

lab*nch 0.0 0.5 0.395

relative Natural Colour (NC)

lab*tr 0.881 -0.45 0.216

lab*ce 0.75 0.5 0.429

lab*nce 0.0 0.5 0.429

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 88.98 0.0 0.0

LAB*LAB 88.98 0.0 0.0

LAB*LAB 88.98 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*ch 0.75 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*tr 0.75 0.0 0.0

lab*ce 0.75 0.0 0.0

lab*nce 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 82.56 0.0 0.0

LAB*LAB 82.56 0.0 0.0

LAB*LAB 82.56 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*ch 0.5 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*tr 0.5 0.0 0.0

lab*ce 0.5 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 69.13 0.0 0.0

LAB*LAB 69.13 0.0 0.0

LAB*LAB 69.13 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*ch 0.0 0.0 0.0

lab*nch 1.0 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 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 69.13 0.0 0.0

LAB*LAB 69.13 0.0 0.0

LAB*LAB 69.13 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*ch 0.0 0.0 0.0

lab*nch 1.0 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 1.0 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 92.36 -17.89 13.82

LAB*LAB 92.36 -17.89 13.82

LAB*LAB 92.36 -17.89 13.82

relative CIELAB lab*

lab*lab 0.881 -0.395 0.305

lab*ch 0.75 0.5 0.395

lab*nch 0.0 0.5 0.395

relative Natural Colour (NC)

lab*tr 0.881 -0.45 0.216

lab*ce 0.75 0.5 0

D65: 2 Koordinatendaten von 5stufigen Farbreihen für 10 Bunttöne *Output: Startup (S) data depend*

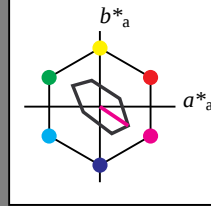
Eingabe: Farbmetrisches Fernseh-Licht-System TLS70

für Buntton $h^* = lab^*h = 326/360 = 0.906$ lab^*ch und lab^*nch

D65: Buntton M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 16$

relative Inform. Technology (IT)

olv3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

LAB*LAB 95.41 0.0 0.0

LAB*LAB 95.41 0.0 0.0

LAB*LAB 95.41 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 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LAB 95.41 0.0 0.0

LAB*LAB 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LAB 95.41 0.0 0.0

LAB*LAB 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LAB 95.41 0.0 0.0

LAB*LAB 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularität

 $g^*_{H,rel} = 34$ $g^*_{C,rel} = 51$

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)

LAB*LAB 86.95 18.76 -12.61

LAB*LAB 86.95 18.76 -12.61

LAB*LAB 86.95 18.76 -12.61

standard and adapted CIELAB

LAB*LAB 86.95 18.76 -12.61

LAB*LAB 86.95 18.76 -12.61

LAB*LAB 86.95 18.76 -12.61

relative CIELAB lab*

lab*lab 0.671 0.415 -0.278

lab*lab 0.671 0.415 -0.278

lab*lab 0.671 0.415 -0.278

relative Natural Colour (NC)

lab*lab 0.671 0.415 -0.278

lab*lab 0.671 0.415 -0.278

lab*lab 0.671 0.415 -0.278

standard and adapted CIELAB

LAB*LAB 86.95 18.76 -12.61

LAB*LAB 86.95 18.76 -12.61

LAB*LAB 86.95 18.76 -12.61

relative CIELAB lab*

lab*lab 0.671 0.415 -0.278

lab*lab 0.671 0.415 -0.278

lab*lab 0.671 0.415 -0.278

relative Natural Colour (NC)

lab*lab 0.671 0.415 -0.278

lab*lab 0.671 0.415 -0.278

lab*lab 0.671 0.415 -0.278

standard and adapted CIELAB

LAB*LAB 86.95 18.76 -12.61

LAB*LAB 86.95 18.76 -12.61

LAB*LAB 86.95 18.76 -12.61

relative CIELAB lab*

lab*lab 0.671 0.415 -0.278

lab*lab 0.671 0.415 -0.278

lab*lab 0.671 0.415 -0.278

relative Natural Colour (NC)

lab*lab 0.671 0.415 -0.278

lab*lab 0.671 0.415 -0.278

lab*lab 0.671 0.415 -0.278

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)

LAB*LAB 86.95 18.76 -12.61

LAB*LAB 86.95 18.76 -12.61

LAB*LAB 86.95 18.76 -12.61

standard and adapted CIELAB

LAB*LAB 86.95 18.76 -12.61

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relative CIELAB lab*

lab*lab 0.671 0.415 -0.278

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relative Natural Colour (NC)

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standard and adapted CIELAB

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relative CIELAB lab*

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relative Natural Colour (NC)

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standard and adapted CIELAB

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relative CIELAB lab*

lab*lab 0.671 0.415 -0.278

lab*lab 0.671 0.415 -0.278

lab*lab 0.671 0.415 -0.278

 $n^* = 0.00$ $n^* = 0.25$ $n^* = 0.50$ $n^* = 0.75$ $n^* = 1.00$ $n^* = 1.25$ $n^* = 1.50$ $n^* = 1.75$ $n^* = 2.00$ $n^* = 2.25$ $n^* = 2.50$ $n^* = 2.75$ $n^* = 3.00$ $n^* = 3.25$ $n^* = 3.50$ $n^* = 3.75$ $n^* = 4.00$ $n^* = 4.25$ $n^* = 4.50$ $n^* = 4.75$ $n^* = 5.00$ $n^* = 5.25$ $n^* = 5.50$ $n^* = 5.75$ $n^* = 6.00$ $n^* = 6.25$ $n^* = 6.50$ $n^* = 6.75$ $n^* = 7.00$ $n^* = 7.25$ $n^* = 7.50$ $n^* = 7.75$ $n^* = 8.00$ $n^* = 8.25$ $n^* = 8.50$ $n^* = 8.75$ $n^* = 9.00$ $n^* = 9.25$ $n^* = 9.50$ $n^* = 9.75$ $n^* = 10.00$ $n^* = 10.25$ $n^* = 10.50$ $n^* = 10.75$ $n^* = 11.00$ $n^* = 11.25$ $n^* = 11.50$ $n^* = 11.75$ $n^* = 12.00$ $n^* = 12.25$ $n^* = 12.50$ $n^* = 12.75$ $n^* = 13.00$ $n^* = 13.25$ $n^* = 13.50$ $n^* = 13.75$ $n^* = 14.00$ $n^* = 14.25$ $n^* = 14.50$ $n^* = 14.75$ $n^* = 15.00$ $n^* = 15.25$ $n^* = 15.50$ $n^* = 15.75$ $n^* = 16.00$ $n^* = 16.25$ $n^* = 16.50$ $n^* = 16.75$ $n^* = 17.00$ $n^* = 17.25$ $n^* = 17.50$ $n^* = 17.75$ $n^* = 18.00$ $n^* = 18.25$ $n^* = 18.50$ $n^* = 18.75$ $n^* = 19.00$ $n^* = 19.25$ $n^* = 19.50$ $n^* = 19.75$ $n^* = 20.00$ $n^* = 20.25$ $n^* = 20.50$ $n^* = 20.75$ $n^* = 21.00$ $n^* = 21.25$ $n^* = 21.50$ $n^* = 21.75$ $n^* = 22.00$ $n^* = 22.25$ $n^* = 22.50$ $n^* = 22.75$ $n^* = 23.00$ $n^* = 23.25$ $n^* = 23.50$ $n^* = 23.75$ $n^* = 24.00$ $n^* = 24.25$ $n^* = 24.50$ $n^* = 24.75$ $n^* = 25.00$ $n^* = 25.25$ $n^* = 25.50$ $n^* = 25.75$ $n^* = 26.00$ $n^* = 26.25$ $n^* = 26.50$ $n^* = 26.75$ $n^* = 27.00$ $n^* = 27.25$ $n^* = 27.50$ $n^* = 27.75$ $n^* = 28.00$ $n^* = 28.25$ $n^* = 28.50$ $n^* = 28.75$ $n^* = 29.00$ $n^* = 29.25$ $n^* = 29.50$ $n^* = 29.75$ $n^* = 30.00$ $n^* = 30.25$ $n^* = 30.50$ $n^* = 30.75$ $n^* = 31.00$ $n^* = 31.25$ $n^* = 31.50$ $n^* = 31.75$ $n^* = 32.00$ $n^* = 32.25$ $n^* = 32.50$ $n^* = 32.75$ $n^* = 33.00$ $n^* = 33.25$ $n^* = 33.50$ $n^* = 33.75$ $n^* = 34.00$ $n^* = 34.25$ $n^* = 34.50$ $n^* = 34.75$ $n^* = 35.00$ $n^* = 35.25$ $n^* = 35.50$ $n^* = 35.75$ $n^* = 36.00$ $n^* = 36.25$ $n^* = 36.50$ $n^* = 36.75$ $n^* = 37.00$ $n^* = 37.25$ $n^* = 37.50$ $n^* = 37.75$ $n^* = 38.00$ </

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70

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

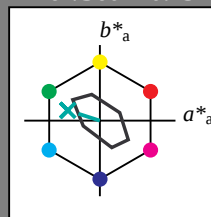
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 16$

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	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

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

1.00

0.75

0.50

0.25

0.00

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

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

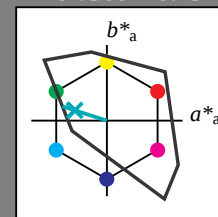
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
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LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
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cmyn4*	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
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LAB*LAB	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
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cmyn4*	0.0	0.0	0.0	0.0	0.0
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relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
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cmyn4*	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
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cmyn4*	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
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olv5*	0.0	0.0	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0

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