

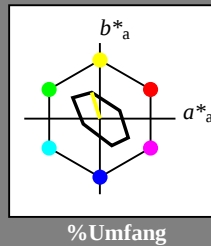
Eingabe: Farbmetrisches Fernseh-Licht-System TLS70

für Buntton $h^* = lab^*h = 107/360 = 0.298$

lab^*ch und lab^*nch

D65: Buntton Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 16$

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)
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	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(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)
LAB*Lab	88.98	0.0	0.0	
LAB*Lab	88.98	0.0	0.0	
LAB*Lab	88.98	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	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	(1.0)
lab*lab	0.0	0.0	0.0	(0.0)
lab*lab	1.0	1.0	1.0	(1.0)
lab*lab	0.0	0.0	0.0	(0.0)
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 Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.75	0.75	0.75	(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)
LAB*Lab	82.56	0.0	0.0	
LAB*Lab	82.56	0.0	0.0	
LAB*Lab	82.56	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	0.25	0.25	0.25	(1.0)
lab*lab	0.75	0.75	0.75	(0.0)
lab*lab	1.0	1.0	1.0	(1.0)
lab*lab	0.0	0.0	0.0	(0.0)
lab*lab	1.0	1.0	1.0	(1.0)
lab*lab	0.0	0.0	0.0	(0.0)
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 Natural Colour (NC)

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

TLS70; adaptierte CIELAB-Daten

L*	a*	b*	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	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)
LAB*Lab	94.67	-5.37	17.31	
LAB*Lab	94.67	-5.37	17.31	
LAB*Lab	94.67	-5.37	17.31	

standard and adapted CIELAB

LAB*Lab	94.67	-5.37	17.31	
LAB*Lab	94.67	-5.37	17.31	
LAB*Lab	94.67	-5.37	17.31	

relative CIELAB lab*

lab*lab	0.971	-0.147	0.477	
lab*lab	0.75	0.5	0.298	
lab*lab	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.971	-0.147	0.477	
lab*lab	0.75	0.5	0.298	
lab*lab	0.0	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(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)
LAB*Lab	88.24	-5.38	17.32	
LAB*Lab	88.24	-5.38	17.32	
LAB*Lab	88.24	-5.38	17.32	

standard and adapted CIELAB

LAB*Lab	88.24	-5.38	17.32	
LAB*Lab	88.24	-5.38	17.32	
LAB*Lab	88.24	-5.38	17.32	

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	1.0	1.0	1.0	(1.0)
lab*lab	0.0	0.0	0.0	(0.0)
lab*lab	1.0	1.0	1.0	(1.0)
lab*lab	0.0	0.0	0.0	(0.0)
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 Natural Colour (NC)

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*	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)
LAB*Lab	94.3	-8.07	25.97	
LAB*Lab	94.3	-8.07	25.97	
LAB*Lab	94.3	-8.07	25.97	

standard and adapted CIELAB

LAB*Lab	94.3	-8.07	25.97	
LAB*Lab	94.3	-8.07	25.97	
LAB*Lab	94.3	-8.07	25.97	

relative CIELAB lab*

lab*lab	0.957	-0.246	0.708	
lab*lab	0.625	0.75	0.304	
lab*lab	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.957	-0.246	0.708	
lab*lab	0.625	0.75	0.304	
lab*lab	0.0	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(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)
LAB*Lab	87.8	-8.07	25.97	
LAB*Lab	87.8	-8.07	25.97	
LAB*Lab	87.8	-8.07	25.97	

standard and adapted CIELAB

LAB*Lab	87.8	-8.07	25.97	
LAB*Lab	87.8	-8.07	25.97	
LAB*Lab	87.8	-8.07	25.97	

relative CIELAB lab*

lab*lab	0.707	-0.222	0.716	
lab*lab	0.375	0.75	0.298	
lab*lab	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.707	-0.222	0.716	
lab*lab	0.375	0.75	0.298	
lab*lab	0.0	0.0	0.0	

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)
LAB*Lab	93.93	-10.76	34.62	
LAB*Lab	93.93	-10.76	34.62	
LAB*Lab	93.93	-10.76	34.62	

standard and adapted CIELAB

LAB*Lab	93.93	-10.76	34.62	
LAB*Lab	93.93	-10.76	34.62	
LAB*Lab	93.93	-10.76	34.62	

relative CIELAB lab*

lab*lab	0.942	-0.296	0.955	
lab*lab	0.5	0.5	0.0	
lab*lab	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.942	-0.296	0.955	
lab*lab	0.5	0.5	0.0	
lab*lab	0.0	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(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)
LAB*Lab	87.8	-8.07	25.97	
LAB*Lab	87.8	-8.07	25.97	
LAB*Lab	87.8	-8.07	25.97	

standard and adapted CIELAB

LAB*Lab	87.8	-8.07	25.97	
LAB*Lab	87.8	-8.07	25.97	
LAB*Lab	87.8	-8.07	25.97	

relative CIELAB lab*

lab*lab	0.707	-0.222	0.716	
lab*lab	0.375	0.75	0.298	
lab*lab	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.707	-0.222	0.716	
lab*lab	0.375	0.75	0.298	
lab*lab	0.0	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(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)
LAB*Lab	87.8	-8.07	25.97	
LAB*Lab	87.8	-8.07	25.97	
LAB*Lab	87.8	-8.07	25.97	

standard and adapted CIELAB

LAB*Lab	87.8	-8.07	25.97	
LAB*Lab	87.8	-8.07	25.97	
LAB*Lab	87.8	-8.07	25.97	

relative CIELAB lab*

lab*lab	0.707	-0.222	0.716	
lab*lab	0.375	0.75	0.298	
lab*lab	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.707	-0.222	0.716	
lab*lab	0.375	0.75	0.298	
lab*lab	0.0	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(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)
LAB*Lab	87.8	-8.07	25.97	
LAB*Lab	87.8	-8.07	25.97	
LAB*Lab	87.8	-8.07	25.97	

standard and adapted CIELAB

LAB*Lab	87.8	-8.07	25.97	
LAB*Lab	87.8	-8.07	25.97	
LAB*Lab	87.8	-8.07	25.97	

relative CIELAB lab*

lab*lab	0.707	-0.222
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lab*tch und lab*nch

Dreiecks-Helligkeit t^*



$n^* = 1,0$

Reihen für konstanter RAM-Index

in CIELAB Buntton 1
Drückerlage NC

42/360 = 0.395 (lin)

Elektronika

$$g^*_{H\text{ rel}} = 34$$

Relative Duration of

 BAM-Prüfvorlage NG58; Farbmeter

*lab*tch* und *lab*nch*

Dreiecks-Helligkeit t^*


$$\mathbf{u}_{\text{rel}}^* = 158$$

$n^* = 1,0$

en für konstanten CIF
input: $ch^* \cdot set$

ELAB Buntton 136/3
rshcheler

360 = 0.378 (rechts)

$$g^*_{H\text{ rel}} = 20$$

Relative Duration of

S70 & TLS00 input: *olv* setrgbcolor*

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change com*

C	M	Y	O
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output: *no change compared to input*

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70

für Buntton $h^* = lab^*h = 294/360 = 0.816$

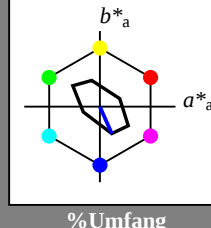
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 72 39 294

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*a*LAB 95.41 0.0 0.0
LAB*b*LAB 99.99 0.0 0.0

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*lrj 1.0 0.0 0.0
lab*lce 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*a*LAB 88.98 0.0 0.0
LAB*b*LAB 75.00 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*lrj 0.75 0.0 0.0
lab*lce 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 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 82.56 0.0 0.0
LAB*a*LAB 82.56 0.0 0.0
LAB*b*LAB 50.00 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*lrj 0.5 0.0 0.0
lab*lce 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 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 76.13 0.0 0.0
LAB*a*LAB 76.13 0.0 0.0
LAB*b*LAB 25.00 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*lrj 0.25 0.0 0.0
lab*lce 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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.17 0.0 0.0
LAB*a*LAB 69.17 0.0 0.0
LAB*b*LAB 0.00 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*lrj 0.0 0.0 0.0
lab*lce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

relative Inform. Technology (IT)
olv3* 0.75 0.75 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 0.75 0.75 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 89.58 3.94 -8.9
LAB*a*LAB 89.58 3.94 -8.9
LAB*b*LAB 97.5 9.74 293.86

relative CIELAB lab*
lab*lab 0.773 0.101 -0.228
lab*ch 0.875 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.773 0.075 -0.237
lab*lce 0.875 0.25 0.799
lab*nce 0.0 0.25 0.199

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.75 0.75 1.0 (0.75)
cmyn4* 0.25 0.25 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 83.16 3.94 -8.9
LAB*a*LAB 83.16 3.94 -8.9
LAB*b*LAB 62.5 9.74 293.86

relative CIELAB lab*
lab*lab 0.547 0.15 -0.456
lab*ch 0.625 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.547 0.15 -0.476
lab*lce 0.625 0.25 0.799
lab*nce 0.0 0.25 0.199

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.25 (0.0)
olv4* 0.5 0.5 1.0 (0.75)
cmyn4* 0.5 0.5 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 77.33 7.88 -17.81
LAB*a*LAB 77.33 7.88 -17.81
LAB*b*LAB 50.0 19.48 293.86

relative CIELAB lab*
lab*lab 0.297 0.15 -0.476
lab*ch 0.375 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.297 0.15 -0.476
lab*lce 0.375 0.25 0.799
lab*nce 0.0 0.25 0.199

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 70.5 7.88 -17.81
LAB*a*LAB 70.5 7.88 -17.81
LAB*b*LAB 25.01 19.48 293.86

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.25 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.25 0.25 0.799
lab*nce 0.0 0.25 0.199

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 70.5 7.88 -17.81
LAB*a*LAB 70.5 7.88 -17.81
LAB*b*LAB 25.01 19.48 293.86

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.25 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.25 0.25 0.799
lab*nce 0.0 0.25 0.199

$n^* = 0.50$

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 1.0 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olv4* 0.5 0.5 1.0 (1.0)
cmyn4* 0.5 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 83.75 7.88 -17.81
LAB*a*LAB 83.75 7.88 -17.81
LAB*b*LAB 75.0 19.48 293.86

relative CIELAB lab*
lab*lab 0.547 0.15 -0.456
lab*ch 0.625 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.547 0.15 -0.476
lab*lce 0.625 0.25 0.799
lab*nce 0.0 0.25 0.199

relative Inform. Technology (IT)

olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.25 (0.0)
olv4* 0.5 0.5 1.0 (0.75)
cmyn4* 0.5 0.5 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 77.33 7.88 -17.81
LAB*a*LAB 77.33 7.88 -17.81
LAB*b*LAB 50.0 19.48 293.86

relative CIELAB lab*
lab*lab 0.297 0.15 -0.476
lab*ch 0.375 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.297 0.15 -0.476
lab*lce 0.375 0.25 0.799
lab*nce 0.0 0.25 0.199

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 70.5 7.88 -17.81
LAB*a*LAB 70.5 7.88 -17.81
LAB*b*LAB 25.01 19.48 293.86

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.25 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.25 0.25 0.799
lab*nce 0.0 0.25 0.199

$n^* = 0.00$

relative Inform. Technology (IT)

olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.25 (0.0)
olv4* 0.5 0.5 1.0 (0.75)
cmyn4* 0.5 0.5 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 77.33 7.88 -17.81
LAB*a*LAB 77.33 7.88 -17.81
LAB*b*LAB 50.0 19.48 293.86

relative CIELAB lab*
lab*lab 0.297 0.15 -0.476
lab*ch 0.375 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.297 0.15 -0.476
lab*lce 0.375 0.25 0.799
lab*nce 0.0 0.25 0.199

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 70.5 7.88 -17.81
LAB*a*LAB 70.5 7.88 -17.81
LAB*b*LAB 25.01 19.48 293.86

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.25 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.25 0.25 0.799
lab*nce 0.0 0.25 0.199

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 70.5 7.88 -17.81
LAB*a*LAB 70.5 7.88 -17.81
LAB*b*LAB 25.01 19.48 293.86

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.25 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.25 0.25 0.799
lab*nce 0.0 0.25 0.199

$n^* = 0.25$

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 70.5 7.88 -17.81
LAB*a*LAB 70.5 7.88 -17.81
LAB*b*LAB 25.01 19.48 293.86

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.25 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.25 0.25 0.799
lab*nce 0.0 0.25 0.199

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 70.5 7.88 -17.81
LAB*a*LAB 70.5 7.88 -17.81
LAB*b*LAB 25.01 19.48 293.86

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.25 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.25 0.25 0.799
lab*nce 0.0 0.25 0.199

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 70.5 7.88 -17.81
LAB*a*LAB 70.5 7.88 -17.81
LAB*b*LAB 25.01 19.48 293.86

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.25 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.25 0.25 0.799
lab*nce 0.0 0.25 0.199

$n^* = 0.50$

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 70.5 7.88 -17.81
LAB*a*LAB 70.5 7.88 -17.81
LAB*b*LAB 25.01 19.48 293.86

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.25 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.25 0.25 0.799
lab*nce 0.0 0.25 0.199

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 70.5 7.88 -17.81
LAB*a*LAB 70.5 7.88 -17.81
LAB*b*LAB 25.01 19.48 293.86

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.25 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.25 0.25 0.799
lab*nce 0.0 0.25 0.199

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 70.5 7.88 -17.81
LAB*a*LAB 70.5 7.88 -17.81
LAB*b*LAB 25.01 19.48 293.86

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.25 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.25 0.25 0.799
lab*nce 0.0 0.25 0.199

$n^* = 0.75$

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 70.5 7.88 -17.81
LAB*a*LAB 70.5 7.88 -17.81
LAB*b*LAB 25.01 19.48 293.86

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.25 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.25 0.25 0.799
lab*nce 0.0 0.25 0.199

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 70.5 7.88 -17.81
LAB*a*LAB 70.5 7.88 -17.81
LAB*b*LAB 25.01 19.48 293.86

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.25 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.25 0.25 0.799
lab*nce 0.0 0.25 0.199

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 70.5 7.88 -17.81
LAB*a*LAB 70.5 7.88 -17.81
LAB*b*LAB 25.01 19.48 293.86

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.25 0.25 0.816
lab*nch 0.0 0.25 0.816
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.25 0.25 0.799
lab*nce 0.0 0.25 0.199

$n^* = 1.0$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 306/360 = 0.851$

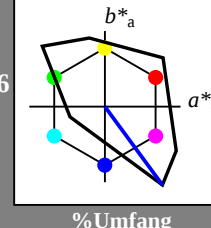
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 30 129 306

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*a*LAB 95.41 0.0 0.0
LAB*b*LAB 99.99 0.0 0.0

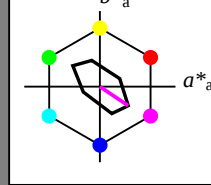
Eingabe: Farbmetrisches Fernseh-Licht-System TLS70

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

lab^*ich und lab^*nch

D65: Buntton M
LCH*Ma: 79 45 326
olv*Ma: 1.0 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*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*ich 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 1.0 0.0 0.0
lab*ich 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
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*ich 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 0.0 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
LAB*LAB 82.56 0.0 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*lab 0.5 0.0 0.0
lab*ich 0.5 0.0 0.0
lab*nch 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 76.13 0.0 0.0
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*ich 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.0 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 69.17 0.0 0.0
LAB*LAB 69.17 0.0 0.0
LAB*LAB 69.17 0.0 0.0
LAB*LAB 69.17 0.0 0.0

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

$n^* = 1.0$

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

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

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

%Umfang

$u^*_{rel} = 16$

%Umfang

$u^*_{rel} = 16$

%Umfang

$u^*_{rel} = 16$

%Umfang

$u^*_{rel} = 16$

%Umfang

$u^*_{rel} = 16$

%Umfang

$u^*_{rel} = 16$

%Umfang

$u^*_{rel} = 16$

%Umfang

$u^*_{rel} = 16$

%Umfang

$u^*_{rel} = 16$

%Umfang

$u^*_{rel} = 16$

%Umfang

$u^*_{rel} = 16$

%Umfang

$u^*_{rel} = 16$

%Umfang

$u^*_{rel} = 16$

%Umfang

$u^*_{rel} = 16$

%Umfang

$u^*_{rel} = 16$

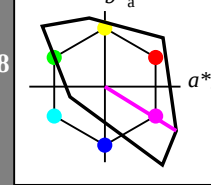
Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 328/360 = 0.912$

lab^*tch und lab^*nch

D65: Buntton M
LCH*Ma: 57 111 328
olv*Ma: 1.0 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*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*ich 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 1.0 0.0 0.0
lab*ich 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
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*ich 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 0.0 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
LAB*LAB 82.56 0.0 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*lab 0.5 0.0 0.0
lab*ich 0.5 0.0 0.0
lab*nch 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 76.13 0.0 0.0
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*ich 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.0 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 69.17 0.0 0.0
LAB*LAB 69.17 0.0 0.0
LAB*LAB 69.17 0.0 0.0
LAB*LAB 69.17 0.0 0.0

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

$n^* = 1.0$

TLS00; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	79.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularität

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

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

%Umfang

$u^*_{rel} = 158$

%Umfang

$u^*_{rel} = 158$

%Umfang

$u^*_{rel} = 158$

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$u^*_{rel} = 158$

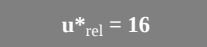
%Umfang

<

C	M	Y	O	L	V
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lab*tch und lab*nch

Dreiecks-Helligkeit t^*



$n^* = 1,0$

0,25

 $n^* = 0,25$
$$n^* = 0,00$$

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.2)
cmyn4*	0.0	0.0	0.0	(0.7)
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	
LAB*LAB _a	23.87	0.0	0.0	

<i>lab*⁺tch</i> a	37.5	15.45	162
relative CIELAB <i>lab</i>*			
<i>lab</i> * <i>lab</i>	0.475	-0.237	0.07
<i>lab</i> * <i>tch</i>	0.375	0.25	0.45
<i>lab</i> * <i>nch</i>	0.5	0.25	0.45
relative Natural Colour (NC)			
<i>lab</i> * <i>lrj</i>	0.475	-0.249	0.0
<i>lab</i> * <i>tce</i>	0.375	0.25	0.5
<i>lab</i> * <i>nce</i>	0.5	0.25	0.99

relative Inform. Technology (I)				
<i>olvi3*</i>	0.0	0.5	0.326	(1)
<i>cmyn3*</i>	1.0	0.5	0.674	(0)
<i>olvi4*</i>	0.5	1.0	0.826	0
<i>cmyn4*</i>	0.5	0.0	0.174	0
standard and adapted CIELAB				
LAB*LAB	42.88		-29.42	9.4
LAB*LAB	42.88		-79.42	9.4

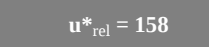
LAB* <i>t</i> Ch _a	37.51	46.36	16.00
<i>relative</i> CIELAB <i>lab</i> *			
<i>lab</i> * <i>lab</i>	0.674	-0.713	0.000
<i>lab</i> * <i>tch</i>	0.375	0.75	0.000
<i>lab</i> * <i>nch</i>	0.25	0.75	0.000
<i>relative</i> Natural Colour (NC)			
<i>lab</i> * <i>lrj</i>	0.674	-0.749	0.000
<i>lab</i> * <i>tce</i>	0.375	0.75	0.000
<i>lab</i> * <i>nCe</i>	0.25	0.75	0.000

$n^* = 0,00$

BAM-I
monitors
Form: 9/10, Sep

*lab*tch* und *lab*nch*

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(0.2)
cmyn4*	0.0	0.0	0.0	(0.7)
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	
LAB*LAB _a	23.87	0.0	0.0	

<i>lab*⁺tch</i> a	37.5	15.45	162
relative CIELAB <i>lab</i>*			
<i>lab</i> * <i>lab</i>	0.475	-0.237	0.07
<i>lab</i> * <i>tch</i>	0.375	0.25	0.45
<i>lab</i> * <i>nch</i>	0.5	0.25	0.45
relative Natural Colour (NC)			
<i>lab</i> * <i>lrj</i>	0.475	-0.249	0.0
<i>lab</i> * <i>tce</i>	0.375	0.25	0.5
<i>lab</i> * <i>nce</i>	0.5	0.25	0.99

relative Inform. Technology (I)				
<i>olvi3*</i>	0.0	0.5	0.326	(1)
<i>cmyn3*</i>	1.0	0.5	0.674	(0)
<i>olvi4*</i>	0.5	1.0	0.826	0
<i>cmyn4*</i>	0.5	0.0	0.174	0
standard and adapted CIELAB				
LAB*LAB	42.88		-29.42	9.4
LAB*LAB	42.88		-79.42	9.4

LAB* <i>t</i> Ch _a	37.51	46.36	16.00
<i>relative</i> CIELAB <i>lab</i> *			
<i>lab</i> * <i>lab</i>	0.674	-0.713	0.000
<i>lab</i> * <i>tch</i>	0.375	0.75	0.000
<i>lab</i> * <i>nch</i>	0.25	0.75	0.000
<i>relative</i> Natural Colour (NC)			
<i>lab</i> * <i>lrj</i>	0.674	-0.749	0.000
<i>lab</i> * <i>tce</i>	0.375	0.75	0.000
<i>lab</i> * <i>nCe</i>	0.25	0.75	0.000

$n^* = 0,00$

BAM-I
monitors
Form: 9/10, Sep

 BAM-Prüfvorlage NG58; Farbmeter

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change com*

C	M	Y	O
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0 & TLS00 input: *olv* setrgbcolor*

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70

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

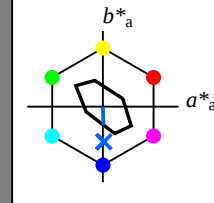
lab^*ich und lab^*nch

D65: Buntton B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit t^*



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*	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)
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	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*lab	1.0 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 0.85 1.0 (1.0)
olv4*	0.25 0.15 0.0 (0.0)
olv5*	0.75 0.85 1.0 (1.0)
olv6*	0.25 0.15 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	91.46 0.18 -6.05
LAB*LAB	91.46 0.18 -6.05
LAB*LAB	91.46 0.18 -6.05
relative CIELAB lab*	
lab*lab	0.846 0.008 -0.249
lab*lab	0.875 0.25 0.755
lab*lab	0.875 0.25 0.755
lab*lab	0.875 0.25 0.755
standard and adapted CIELAB	
LAB*LAB	80.18 0.18 -6.06
LAB*LAB	80.18 0.18 -6.06
LAB*LAB	80.18 0.18 -6.06
relative CIELAB lab*	
lab*lab	0.596 0.0 -0.249
lab*lab	0.625 0.25 0.755
lab*lab	0.625 0.25 0.755
lab*lab	0.625 0.25 0.755

relative Inform. Technology (IT)	
olv3*	0.5 0.699 1.0 (1.0)
olv4*	0.5 0.301 0.0 (0.0)
olv5*	0.5 0.699 1.0 (1.0)
olv6*	0.5 0.301 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	87.5 0.37 -12.12
LAB*LAB	87.5 0.37 -12.12
LAB*LAB	87.5 0.37 -12.12
relative CIELAB lab*	
lab*lab	0.693 0.015 -0.499
lab*lab	0.75 0.5 0.755
lab*lab	0.75 0.5 0.755
lab*lab	0.75 0.5 0.755
standard and adapted CIELAB	
LAB*LAB	85.55 0.55 -18.18
LAB*LAB	85.55 0.55 -18.18
LAB*LAB	85.55 0.55 -18.18
relative CIELAB lab*	
lab*lab	0.539 0.0 -0.749
lab*lab	0.625 0.75 0.755
lab*lab	0.625 0.75 0.755
lab*lab	0.625 0.75 0.755

relative Inform. Technology (IT)	
olv3*	0.25 0.549 1.0 (1.0)
olv4*	0.25 0.451 0.0 (0.0)
olv5*	0.25 0.549 1.0 (1.0)
olv6*	0.25 0.451 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	83.55 0.55 -18.18
LAB*LAB	83.55 0.55 -18.18
LAB*LAB	83.55 0.55 -18.18
relative CIELAB lab*	
lab*lab	0.539 0.0 -0.749
lab*lab	0.625 0.75 0.755
lab*lab	0.625 0.75 0.755
lab*lab	0.625 0.75 0.755

relative Inform. Technology (IT)	
olv3*	0.0 0.398 1.0 (1.0)
olv4*	0.0 0.602 0.0 (0.0)
olv5*	0.0 0.398 1.0 (1.0)
olv6*	0.0 0.602 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	79.6 0.74 -24.25
LAB*LAB	79.6 0.74 -24.25
LAB*LAB	79.6 0.74 -24.25
relative CIELAB lab*	
lab*lab	0.385 0.0 -0.999
lab*lab	0.385 0.0 -0.999
lab*lab	0.385 0.0 -0.999
lab*lab	0.385 0.0 -0.999

relative Inform. Technology (IT)	
olv3*	0.5 0.5 0.5 (0.0)
olv4*	0.5 0.5 0.5 (0.0)
olv5*	0.5 0.5 0.5 (0.0)
olv6*	0.5 0.5 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	47.72 0.0 0.0
LAB*LAB	47.72 0.0 0.0
LAB*LAB	47.72 0.0 0.0
relative CIELAB lab*	
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.25 0.25 0.25 (1.0)
olv4*	0.75 0.75 0.75 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	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	0.346 0.008 -0.249
lab*lab	0.375 0.25 0.755
lab*lab	0.375 0.25 0.755
lab*lab	0.375 0.25 0.755
standard and adapted CIELAB	
LAB*LAB	74.65 0.37 -12.12
LAB*LAB	74.65 0.37 -12.12
LAB*LAB	74.65 0.37 -12.12
relative CIELAB lab*	
lab*lab	0.193 0.0 -0.499
lab*lab	0.25 0.75 0.755
lab*lab	0.25 0.75 0.755
lab*lab	0.25 0.75 0.755

relative Inform. Technology (IT)	
olv3*	0.0 0.199 0.5 (0.0)
olv4*	0.75 0.85 1.0 (1.0)
olv5*	0.75 0.85 1.0 (1.0)
olv6*	0.25 0.15 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	78.6 0.18 -6.06
LAB*LAB	78.6 0.18 -6.06
LAB*LAB	78.6 0.18 -6.06
relative CIELAB lab*	
lab*lab	0.443 0.0 -0.499
lab*lab	0.443 0.0 -0.499
lab*lab	0.443 0.0 -0.499
lab*lab	0.443 0.0 -0.499

relative Inform. Technology (IT)	
olv3*	0.0 0.199 0.5 (0.0)
olv4*	0.75 0.85 1.0 (1.0)
olv5*	0.75 0.85 1.0 (1.0)
olv6*	0.25 0.15 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	74.65 0.37 -12.12
LAB*LAB	74.65 0.37 -12.12
LAB*LAB	74.65 0.37 -12.12
relative CIELAB lab*	
lab*lab	0.193 0.0 -0.499
lab*lab	0.25 0.75 0.755
lab*lab	0.25 0.75 0.755
lab*lab	0.25 0.75 0.755

relative Inform. Technology (IT)	
olv3*	0.0 0.289 0.25 -0.749
olv4*	0.375 0.75 0.755
olv5*	0.375 0.75 0.755
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	77.13 0.55 -18.19
LAB*LAB	77.13 0.55 -18.19
LAB*LAB	77.13 0.55 -18.19
relative CIELAB lab*	
lab*lab	0.385 0.0 -0.999
lab*lab	0.385 0.0 -0.999
lab*lab	0.385 0.0 -0.999
lab*lab	0.385 0.0 -0.999

relative Inform. Technology (IT)	
olv3*	0.25 0.25 0.25 (1.0)
olv4*	0.75 0.75 0.75 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	47.72 0.0 0.0
LAB*LAB	47.72 0.0 0.0
LAB*LAB	47.72 0.0 0.0
relative CIELAB lab*	
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.25 0.25 0.25 (1.0)
olv4*	0.75 0.75 0.75 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	47.72 0.0 0.0
LAB*LAB	47.72 0.0 0.0
LAB*LAB	47.72 0.0 0.0
relative CIELAB lab*	
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.0 0.0 0.0 (1.0)
olv4*	1.0 1.0 1.0 (0.0)
olv5*	1.0 1.0 1.0 (0.0)
olv6*	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	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 0.0
relative Natural Colour (NC)	
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*	0.0 0.0 0.0 (1.0)
olv4*	1.0 0.9 0.75 (0.0)
olv5*	0.75 0.85 1.0 (1.0)
olv6*	0.25 0.15 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	72.18 0.19 -6.06
LAB*LAB	72.18 0.19 -6.06
LAB*LAB	72.18 0.19 -6.06
relative CIELAB lab*	
lab*lab	0.096 0.008 -0.249
lab*lab	0.125 0.25 0.755
lab*lab	0.125 0.25 0.755
lab*lab	0.125 0.25 0.755

relative Inform. Technology (IT)	
olv3*	0.0 0.199 0.5 (0.0)
olv4*	0.75 0.85 1.0 (1.0)
olv5*	0.75 0.85 1.0 (1.0)
olv6*	0.25 0.15 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	74.65 0.37 -12.12
LAB*LAB	74.65 0.37 -12.12
LAB*LAB	74.65 0.37 -12.12
relative CIELAB lab*	
lab*lab	0.193 0.0 -0.499
lab*lab	0.25 0.75 0.755
lab*lab	0.25 0.75 0.755
lab*lab	0.25 0.75 0.755

relative Inform. Technology (IT)	
olv3*	0.0 0.289 0.25 -0.749
olv4*	0.375 0.75 0.755
olv5*	0.375 0.75 0.755
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	77.13 0.55 -18.19
LAB*LAB	77.13 0.55 -18.19
LAB*LAB	77.13 0.55 -18.19
relative CIELAB lab*	
lab*lab	0.385 0.0 -0.999
lab*lab	0.385 0.0 -0.999
lab*lab	0.385 0.0 -0.999
lab*lab	0.385 0.0 -0.999

relative Inform. Technology (IT)	
olv3*	0.25 0.25 0.25 (1.0)
olv4*	0.75 0.75 0.75 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	47.72 0.0 0.0
LAB*LAB	47.72 0.0 0.0
LAB*LAB	47.72 0.0 0.0
relative CIELAB lab*	
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.25 0.25 0.25 (1.0)
olv4*	0.75 0.75 0.75 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	47.72 0.0 0.0
LAB*LAB	47.72 0.0 0.0
LAB*LAB	47.72 0.0 0.0
relative CIELAB lab*	
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 0.0

NG580-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

BAM-Prüfvorlage NG58; Farbmetrik-Systeme TLS70 & TLS00 input: olv* setrgbcolor

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Buntton output: no change compared to input