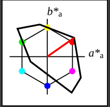
Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton $h^* = lab^*h = 35/360 = 0.097$
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit *t*



TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Umfang
$u^*_{rel} = 118$
%Regularität
$g^*_{H,rel} = 22$
$g^*_{C,rel} = 40$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCHa	99.99	0.01	–	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	–	
lab*nch	0.0	0.0	–	
relative Natural Colour (NC)				
lab*lrj	1.0	0.0	0.0	
lab*tce	1.0	0.0	–	
lab*ncE	0.0	0.0	–	

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	1.0
cmyn4*	0.0	0.5	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	74.08	35.81	24.94	
LAB*LABa	74.08	35.81	24.94	
LAB*TCHa	75.0	43.63	34.85	
relative CIELAB lab*				
lab*lab	0.724	0.41	0.286	
lab*tch	0.75	0.5	0.097	
lab*nch	0.0	0.5	0.097	
relative Natural Colour (NC)				
lab*lrj	0.724	0.488	0.109	
lab*tce	0.75	0.5	0.035	
lab*ncE	0.0	0.5	r14j	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCHa	50.0	0.01	–	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	–	
lab*nch	0.5	0.0	–	
relative Natural Colour (NC)				
lab*lrj	0.5	0.0	0.0	
lab*tce	0.5	0.0	–	
lab*ncE	0.5	0.0	–	

relative Inform. Technology (IT)				
olvi3*	1.0	0.0	0.0	(1.0)
cmyn3*	0.0	1.0	1.0	(0.0)
olvi4*	1.0	0.0	0.0	1.0
cmyn4*	0.0	1.0	1.0	0.0
standard and adapted CIELAB				
LAB*LAB	52.76	71.62	49.87	
LAB*LABa	52.76	71.62	49.87	
LAB*TCHa	50.0	87.27	34.85	
relative CIELAB lab*				
lab*lab	0.449	0.82	0.571	
lab*tch	0.5	1.0	0.097	
lab*nch	0.0	1.0	0.097	
relative Natural Colour (NC)				
lab*lrj	0.449	0.976	0.218	
lab*tce	0.5	1.0	0.035	
lab*ncE	0.0	1.0	r14j	

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	0.5
cmyn4*	0.0	0.5	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	35.39	35.81	24.94	
LAB*LABa	35.39	35.81	24.94	
LAB*TCHa	25.01	43.63	34.85	
relative CIELAB lab*				
lab*lab	0.225	0.41	0.286	
lab*tch	0.25	0.5	0.097	
lab*nch	0.5	0.5	0.097	
relative Natural Colour (NC)				
lab*lrj	0.225	0.488	0.109	
lab*tce	0.25	0.5	0.035	
lab*ncE	0.5	0.5	r14j	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCHa	0.01	0.01	–	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	–	
lab*nch	1.0	0.0	–	
relative Natural Colour (NC)				
lab*lrj	0.0	0.0	0.0	
lab*tce	0.0	0.0	–	
lab*ncE	1.0	0.0	–	

$n^* = 0{,}00$

Schwarzheit n^*

$n^* = 0{,}50$

0,25 0,50 0,75 1,00

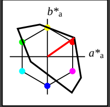
relative Buntheit c^*

$n^* = 1{,}0$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton $h^* = lab^*h = 35/360 = 0.097$
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit *t*



TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Umfang
$u^*_{rel} = 118$
%Regularität
$g^*_{H,rel} = 22$
$g^*_{C,rel} = 40$

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCHa	99.99	0.01	–	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	–	
lab*nch	0.0	0.0	–	
relative Natural Colour (NC)				
lab*lrj	1.0	0.0	0.0	
lab*tce	1.0	0.0	–	
lab*ncE	0.0	0.0	–	

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olvi4*	1.0	0.5	0.5	1.0
cmyn4*	0.0	0.5	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	74.08	35.81	24.94	
LAB*LABa	74.08	35.81	24.94	
LAB*TCHa	75.0	43.63	34.85	
relative CIELAB lab*				
lab*lab	0.724	0.41	0.286	
lab*tch	0.75	0.5	0.097	
lab*nch	0.0	0.5	0.097	
relative Natural Colour (NC)				
lab*lrj	0.724	0.488	0.109	
lab*tce	0.75	0.5	0.035	
lab*ncE	0.0	0.5	r14j	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCHa	50.0	0.01	–	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	–	
lab*nch	0.5	0.0	–	
relative Natural Colour (NC)				
lab*lrj	0.5	0.0	0.0	
lab*tce	0.5	0.0	–	
lab*ncE	0.5	0.0	–	

relative Inform. Technology (IT)				
olvi3*	1.0	0.0	0.0	(1.0)
cmyn3*	0.0	1.0	1.0	(0.0)
olvi4*	1.0	0.0	0.0	1.0
cmyn4*	0.0	1.0	1.0	0.0
standard and adapted CIELAB				
LAB*LAB	52.76	71.62	49.87	
LAB*LABa	52.76	71.62	49.87	
LAB*TCHa	50.0	87.27	34.85	
relative CIELAB lab*				
lab*lab	0.449	0.82	0.571	
lab*tch	0.5	1.0	0.097	
lab*nch	0.0	1.0	0.097	
relative Natural Colour (NC)				
lab*lrj	0.449	0.976	0.218	
lab*tce	0.5	1.0	0.035	
lab*ncE	0.0	1.0	r14j	

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	0.5
cmyn4*	0.0	0.5	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	35.39	35.81	24.94	
LAB*LABa	35.39	35.81	24.94	
LAB*TCHa	25.01	43.63	34.85	
relative CIELAB lab*				
lab*lab	0.225	0.41	0.286	
lab*tch	0.25	0.5	0.097	
lab*nch	0.5	0.5	0.097	
relative Natural Colour (NC)				
lab*lrj	0.225	0.488	0.109	
lab*tce	0.25	0.5	0.035	
lab*ncE	0.5	0.5	r14j	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCHa	0.01	0.01	–	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	–	
lab*nch	1.0	0.0	–	
relative Natural Colour (NC)				
lab*lrj	0.0	0.0	0.0	
lab*tce	0.0	0.0	–	
lab*ncE	1.0	0.0	–	

$n^* = 0{,}00$

Schwarzheit n^*

$n^* = 0{,}50$

0,25 0,50 0,75 1,00

relative Buntheit c^*

$n^* = 1{,}0$

NG190−7, 3 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (links)   3 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/NG19/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

BAM-Registrierung: 20060101-NG19/10S/S19G00F1.PS/.TXT BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

/NG19/ Form: 1/10, Serie: 1/1, Seite: 1
Seitenzählung 1