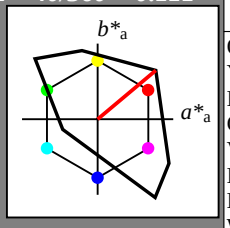
Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton *h = lab*h = 40/360 = 0.111***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 51 100 40
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit *t**



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	90.75	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

%Umfang
u^*_{rel} = 158
%Regularität
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 37

***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**	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*	47.72	0.0	0.0	
*LAB*LABa*	47.72	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**	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*	0.03	0.0	0.0	
*LAB*LABa*	0.03	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	–	

***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*	72.95	38.45	32.27	
*LAB*LABa*	72.95	38.45	32.27	
*LAB*TCHa*	75.0	50.2	40.0	
relative* CIELAB *lab*				
*lab*lab*	0.765	0.383	0.321	
*lab*tch*	0.75	0.5	0.111	
*lab*nch*	0.0	0.5	0.111	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.765	0.471	0.167	
*lab*tce*	0.75	0.5	0.054	
*lab*ncE*	0.0	0.5	r21j	

***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*	25.26	38.45	32.27	
*LAB*LABa*	25.26	38.45	32.27	
*LAB*TCHa*	25.01	50.2	40.0	
relative* CIELAB *lab*				
*lab*lab*	0.265	0.383	0.321	
*lab*tch*	0.25	0.5	0.111	
*lab*nch*	0.5	0.5	0.111	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.265	0.471	0.167	
*lab*tce*	0.25	0.5	0.054	
*lab*ncE*	0.5	0.5	r21j	

***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*	50.5	76.9	64.54	
*LAB*LABa*	50.5	76.9	64.54	
*LAB*TCHa*	50.0	100.4	40.0	
relative* CIELAB *lab*				
*lab*lab*	0.529	0.766	0.643	
*lab*tch*	0.5	1.0	0.111	
*lab*nch*	0.0	1.0	0.111	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.529	0.942	0.335	
*lab*tce*	0.5	1.0	0.054	
*lab*ncE*	0.0	1.0	r21j	

*n** = 0,00

Schwarzheit *n**

0,25 0,50 *n** = 0,50 0,75 1,00

relative Buntheit *c**

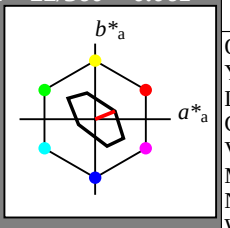
*n** = 1,0

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70

für Buntton *h = lab*h = 22/360 = 0.061***
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 76 28 22
olv*Ma: 1.0 0.0 0.0

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

%Umfang
u^*_{rel} = 16
%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

***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	0.0	–	
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**	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*	82.56	0.0	0.0	
*LAB*LABa*	82.56	0.0	0.0	
*LAB*TCHa*	50.0	0.0	–	
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**	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*	69.7	0.0	0.0	
*LAB*LABa*	69.7	0.0	0.0	
*LAB*TCHa*	0.01	0.0	–	
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	–	

***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*	85.92	13.13	5.28	
*LAB*LABa*	85.92	13.13	5.28	
*LAB*TCHa*	75.0	14.16	21.92	
relative* CIELAB *lab*				
*lab*lab*	0.631	0.464	0.187	
*lab*tch*	0.75	0.5	0.061	
*lab*nch*	0.0	0.5	0.061	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.631	0.499	−0.024	
*lab*tce*	0.75	0.5	0.992	
*lab*ncE*	0.0	0.5	b96r	

***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*	73.07	13.13	5.28	
*LAB*LABa*	73.07	13.13	5.28	
*LAB*TCHa*	25.01	14.16	21.92	
relative* CIELAB *lab*				
*lab*lab*	0.131	0.464	0.187	
*lab*tch*	0.25	0.5	0.061	
*lab*nch*	0.5	0.5	0.061	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.131	0.499	−0.024	
*lab*tce*	0.25	0.5	0.992	
*lab*ncE*	0.5	0.5	b96r	

***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*	76.43	26.26	10.57	
*LAB*LABa*	76.43	26.26	10.57	
*LAB*TCHa*	50.0	28.31	21.92	
relative* CIELAB *lab*				
*lab*lab*	0.262	0.928	0.373	
*lab*tch*	0.5	1.0	0.061	
*lab*nch*	0.0	1.0	0.061	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.262	0.999	−0.048	
*lab*tce*	0.5	1.0	0.992	
*lab*ncE*	0.0	1.0	b96r	

*n** = 0,00

Schwarzheit *n**

0,25 0,50 *n** = 0,50 0,75 1,00

relative Buntheit *c**

*n** = 1,0

NG130−7, 3 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (links)

3 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (rechts)

BAM-Prüfvorlage NG13; Farbmetrik-Systeme ORS18 & ORS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *Startup (S) data dependend*

Siehe ähnliche Dateien: http://www.ps.bam.de/NG13/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1?

BAM-Registrierung: 20060101-NG13/10S/S13G00SP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen

/NG13/ Form: 1/10. Serie: 1/1, Seite: 1 Seitenz hlung 1

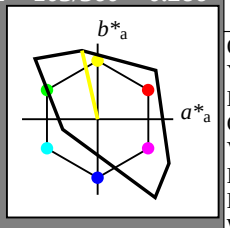
Siehe ähnliche Dateien: http://www.ps.bam.de/NG13/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1?

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton *h = lab*h = 103/360 = 0.286**
lab*tch* und *lab*nch

D65: Buntton Y
LCH*Ma: 93 93 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit *t**



%Umfang
u^*_{rel} = 158
%Regularität
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 37

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	90.75	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

***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 1.0 0.5 (1.0)
*cmyn3** 0.0 0.0 0.5 (0.0)
*olvi4** 1.0 1.0 0.5 1.0
*cmyn4** 0.0 0.0 0.5 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 94.03 −10.34 45.37
*LAB*LABa* 94.03 −10.34 45.37
*LAB*TCHa* 75.0 46.53 102.85
relative* CIELAB *lab*
*lab*lab* 0.985 −0.11 0.487
*lab*tch* 0.75 0.5 0.286
*lab*nch* 0.0 0.5 0.286
***relative* Natural Colour (NC)**
*lab*lrj* 0.985 −0.116 0.486
*lab*tce* 0.75 0.5 0.288
*lab*ncE* 0.0 0.5 j15g

***relative* Inform. Technology (IT)**
*olvi3** 1.0 1.0 0.0 (1.0)
*cmyn3** 0.0 0.0 1.0 (0.0)
*olvi4** 1.0 1.0 0.0 1.0
*cmyn4** 0.0 0.0 1.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 92.65 −20.69 90.73
*LAB*LABa* 92.65 −20.69 90.73
*LAB*TCHa* 50.0 93.06 102.85
relative* CIELAB *lab*
*lab*lab* 0.971 −0.221 0.975
*lab*tch* 0.5 1.0 0.286
*lab*nch* 0.0 1.0 0.286
***relative* Natural Colour (NC)**
*lab*lrj* 0.971 −0.233 0.972
*lab*tce* 0.5 1.0 0.288
*lab*ncE* 0.0 1.0 j15g

***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 0.0 0.5
*cmyn4** 0.0 0.0 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 47.72 0.0 0.0
*LAB*LABa* 47.72 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** 0.5 0.5 0.0 (1.0)
*cmyn3** 0.5 0.5 1.0 (0.0)
*olvi4** 1.0 1.0 0.5 0.5
*cmyn4** 0.0 0.0 0.5 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 46.34 −10.34 45.37
*LAB*LABa* 46.34 −10.34 45.37
*LAB*TCHa* 25.01 46.53 102.85
relative* CIELAB *lab*
*lab*lab* 0.486 −0.11 0.487
*lab*tch* 0.25 0.5 0.286
*lab*nch* 0.5 0.5 0.286
***relative* Natural Colour (NC)**
*lab*lrj* 0.486 −0.116 0.486
*lab*tce* 0.25 0.5 0.288
*lab*ncE* 0.5 0.5 j15g

***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* 0.03 0.0 0.0
*LAB*LABa* 0.03 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 –

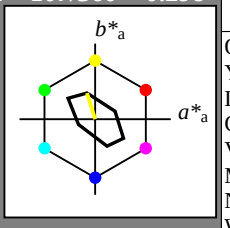
*n** = 0,00
Schwarzheit *n**
0,25 0,50 *n** = 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70

für Buntton *h = lab*h = 107/360 = 0.298**
lab*tch* und *lab*nch

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

Dreiecks-Helligkeit *t**



%Umfang
u^*_{rel} = 16
%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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

***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 0.0 –
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 1.0 0.5 (1.0)
*cmyn3** 0.0 0.0 0.5 (0.0)
*olvi4** 1.0 1.0 0.5 1.0
*cmyn4** 0.0 0.0 0.5 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 94.67 −5.37 17.31
*LAB*LABa* 94.67 −5.37 17.31
*LAB*TCHa* 75.0 18.13 107.28
relative* CIELAB *lab*
*lab*lab* 0.971 −0.147 0.477
*lab*tch* 0.75 0.5 0.298
*lab*nch* 0.0 0.5 0.298
***relative* Natural Colour (NC)**
*lab*lrj* 0.971 −0.164 0.472
*lab*tce* 0.75 0.5 0.304
*lab*ncE* 0.0 0.5 j21g

***relative* Inform. Technology (IT)**
*olvi3** 1.0 1.0 0.0 (1.0)
*cmyn3** 0.0 0.0 1.0 (0.0)
*olvi4** 1.0 1.0 0.0 1.0
*cmyn4** 0.0 0.0 1.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 93.93 −10.76 34.62
*LAB*LABa* 93.93 −10.76 34.62
*LAB*TCHa* 50.0 36.26 107.28
relative* CIELAB *lab*
*lab*lab* 0.942 −0.296 0.955
*lab*tch* 0.5 1.0 0.298
*lab*nch* 0.0 1.0 0.298
***relative* Natural Colour (NC)**
*lab*lrj* 0.942 −0.329 0.944
*lab*tce* 0.5 1.0 0.304
*lab*ncE* 0.0 1.0 j21g

***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 0.5 0.5
*cmyn4** 0.0 0.0 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 82.56 0.0 0.0
*LAB*LABa* 82.56 0.0 0.0
*LAB*TCHa* 50.0 0.0 –
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** 0.5 0.5 0.0 (1.0)
*cmyn3** 0.5 0.5 1.0 (0.0)
*olvi4** 1.0 1.0 0.5 0.5
*cmyn4** 0.0 0.0 0.5 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 81.82 −5.37 17.31
*LAB*LABa* 81.82 −5.37 17.31
*LAB*TCHa* 25.01 18.13 107.28
relative* CIELAB *lab*
*lab*lab* 0.471 −0.147 0.477
*lab*tch* 0.25 0.5 0.298
*lab*nch* 0.5 0.5 0.298
***relative* Natural Colour (NC)**
*lab*lrj* 0.471 −0.164 0.472
*lab*tce* 0.25 0.5 0.304
*lab*ncE* 0.5 0.5 j21g

***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* 69.7 0.0 0.0
*LAB*LABa* 69.7 0.0 0.0
*LAB*TCHa* 0.01 0.0 –
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**
0,25 0,50 *n** = 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

NG130−7, 3 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (links)
3 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (rechts)

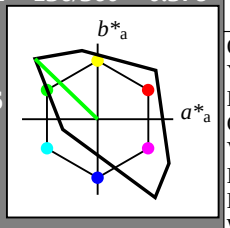
BAM-Registrierung: 20060101-NG13/10S/S13G01SP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
/NG13/ Form: 2/10. Serie: 1/1, Seite: 2 Seitenz hlung 2

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 136/360 = 0.378$
lab*tch* 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
%Regularität
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 37

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	90.75	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

***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** 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* 47.72 0.0 0.0
*LAB*LABa* 47.72 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** 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* 0.03 0.0 0.0
*LAB*LABa* 0.03 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 –

$n^* = 1,0$

***relative* Inform. Technology (IT)**
*olvi3** 0.5 1.0 0.5 (1.0)
*cmyn3** 0.5 0.0 0.5 (0.0)
*olvi4** 0.5 1.0 0.5 1.0
*cmyn4** 0.5 0.0 0.5 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 89.51 −41.36 39.94
*LAB*LABa* 89.51 −41.36 39.94
*LAB*TCHa* 75.0 57.51 136.01
relative* CIELAB *lab*
*lab*lab* 0.938 −0.359 0.347
*lab*tch* 0.75 0.5 0.378
*lab*nch* 0.0 0.5 0.378
***relative* Natural Colour (NC)**
*lab*lrj* 0.938 −0.415 0.278
*lab*tce* 0.75 0.5 0.406
*lab*ncE* 0.0 0.5 j62g

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.5 0.0 (1.0)
*cmyn3** 1.0 0.5 1.0 (0.0)
*olvi4** 0.5 1.0 0.5 0.5
*cmyn4** 0.5 0.0 0.5 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 41.82 −41.36 39.94
*LAB*LABa* 41.82 −41.36 39.94
*LAB*TCHa* 25.01 57.51 136.01
relative* CIELAB *lab*
*lab*lab* 0.438 −0.359 0.347
*lab*tch* 0.25 0.5 0.378
*lab*nch* 0.5 0.5 0.378
***relative* Natural Colour (NC)**
*lab*lrj* 0.438 −0.415 0.278
*lab*tce* 0.25 0.5 0.406
*lab*ncE* 0.5 0.5 j62g

***relative* Inform. Technology (IT)**
*olvi3** 0.0 1.0 0.0 (1.0)
*cmyn3** 1.0 0.0 1.0 (0.0)
*olvi4** 0.0 1.0 0.0 1.0
*cmyn4** 1.0 0.0 1.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 83.62 −82.73 79.88
*LAB*LABa* 83.62 −82.73 79.88
*LAB*TCHa* 50.0 115.01 136.01
relative* CIELAB *lab*
*lab*lab* 0.876 −0.718 0.694
*lab*tch* 0.5 1.0 0.378
*lab*nch* 0.0 1.0 0.378
***relative* Natural Colour (NC)**
*lab*lrj* 0.876 −0.83 0.555
*lab*tce* 0.5 1.0 0.406
*lab*ncE* 0.0 1.0 j62g

$n^* = 0,00$

Schwarzheit n^*

0,25 0,50 $n^* = 0,50$ 0,75 1,00

relative Buntheit c^*

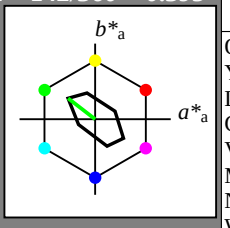
NG130−7, 3 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (links)

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70

für Buntton $h^* = lab^*h = 142/360 = 0.395$
lab*tch* 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
%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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

***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 0.0 –
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** 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* 82.56 0.0 0.0
*LAB*LABa* 82.56 0.0 0.0
*LAB*TCHa* 50.0 0.0 –
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** 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* 69.7 0.0 0.0
*LAB*LABa* 69.7 0.0 0.0
*LAB*TCHa* 0.01 0.0 –
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 –

$n^* = 1,0$

***relative* Inform. Technology (IT)**
*olvi3** 0.5 1.0 0.5 (1.0)
*cmyn3** 0.5 0.0 0.5 (0.0)
*olvi4** 0.5 1.0 0.5 1.0
*cmyn4** 0.5 0.0 0.5 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 92.36 −17.89 13.82
*LAB*LABa* 92.36 −17.89 13.82
*LAB*TCHa* 75.0 22.61 142.34
relative* CIELAB *lab*
*lab*lab* 0.881 −0.395 0.305
*lab*tch* 0.75 0.5 0.395
*lab*nch* 0.0 0.5 0.395
***relative* Natural Colour (NC)**
*lab*lrj* 0.881 −0.45 0.216
*lab*tce* 0.75 0.5 0.429
*lab*ncE* 0.0 0.5 j71g

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.5 0.0 (1.0)
*cmyn3** 1.0 0.5 1.0 (0.0)
*olvi4** 0.5 1.0 0.5 0.5
*cmyn4** 0.5 0.0 0.5 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 79.51 −17.89 13.82
*LAB*LABa* 79.51 −17.89 13.82
*LAB*TCHa* 25.01 22.61 142.34
relative* CIELAB *lab*
*lab*lab* 0.382 −0.395 0.305
*lab*tch* 0.25 0.5 0.395
*lab*nch* 0.5 0.5 0.395
***relative* Natural Colour (NC)**
*lab*lrj* 0.382 −0.45 0.216
*lab*tce* 0.25 0.5 0.429
*lab*ncE* 0.5 0.5 j71g

***relative* Inform. Technology (IT)**
*olvi3** 0.0 1.0 0.0 (1.0)
*cmyn3** 1.0 0.0 1.0 (0.0)
*olvi4** 0.0 1.0 0.0 1.0
*cmyn4** 1.0 0.0 1.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 89.32 −35.79 27.63
*LAB*LABa* 89.32 −35.79 27.63
*LAB*TCHa* 50.0 45.23 142.34
relative* CIELAB *lab*
*lab*lab* 0.763 −0.79 0.611
*lab*tch* 0.5 1.0 0.395
*lab*nch* 0.0 1.0 0.395
***relative* Natural Colour (NC)**
*lab*lrj* 0.763 −0.901 0.432
*lab*tce* 0.5 1.0 0.429
*lab*ncE* 0.0 1.0 j71g

$n^* = 0,00$

Schwarzheit n^*

0,25 0,50 $n^* = 0,50$ 0,75 1,00

relative Buntheit c^*

3 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/NG13/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1?

BAM-Registrierung: 20060101-NG13/10S/S13G02SP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
/NG13/ Form: 3/10. Serie: 1/1, Seite: 3 Seitenz hlung 3

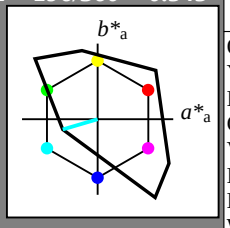
Siehe ähnliche Dateien: http://www.ps.bam.de/NG13/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1?

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton *h* = lab*h = 196/360 = 0.545*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 87 48 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit *t**



%Umfang
u^*_{rel} = 158
%Regularität
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 37

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	90.75	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

***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**	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*	47.72	0.0	0.0	
*LAB*LABa*	47.72	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**	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*	0.03	0.0	0.0	
*LAB*LABa*	0.03	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	–	

***relative* Inform. Technology (IT)**

*olvi3**	0.5	1.0	1.0	(1.0)
*cmyn3**	0.5	0.0	0.0	(0.0)
*olvi4**	0.5	1.0	1.0	1.0
*cmyn4**	0.5	0.0	0.0	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	91.14	−23.07	−6.77	
*LAB*LABa*	91.14	−23.07	−6.77	
*LAB*TCHa*	75.0	24.06	196.37	
relative* CIELAB *lab				
*lab*lab*	0.955	−0.479	−0.14	
*lab*tch*	0.75	0.5	0.545	
*lab*nch*	0.0	0.5	0.545	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.955	−0.44	−0.234	
*lab*tce*	0.75	0.5	0.578	
*lab*ncE*	0.0	0.5	g31b	

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.5	0.5	(1.0)
*cmyn3**	1.0	0.5	0.5	(0.0)
*olvi4**	0.5	1.0	1.0	0.5
*cmyn4**	0.5	0.0	0.0	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	43.45	−23.07	−6.77	
*LAB*LABa*	43.45	−23.07	−6.77	
*LAB*TCHa*	25.01	24.06	196.37	
relative* CIELAB *lab				
*lab*lab*	0.455	−0.479	−0.14	
*lab*tch*	0.25	0.5	0.545	
*lab*nch*	0.5	0.5	0.545	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.455	−0.44	−0.234	
*lab*tce*	0.25	0.5	0.578	
*lab*ncE*	0.5	0.5	g31b	

***relative* Inform. Technology (IT)**

*olvi3**	0.0	1.0	1.0	(1.0)
*cmyn3**	1.0	0.0	0.0	(0.0)
*olvi4**	0.0	1.0	1.0	1.0
*cmyn4**	1.0	0.0	0.0	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	86.87	−46.15	−13.55	
*LAB*LABa*	86.87	−46.15	−13.55	
*LAB*TCHa*	50.0	48.11	196.37	
relative* CIELAB *lab				
*lab*lab*	0.911	−0.958	−0.281	
*lab*tch*	0.5	1.0	0.545	
*lab*nch*	0.0	1.0	0.545	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.911	−0.881	−0.469	
*lab*tce*	0.5	1.0	0.578	
*lab*ncE*	0.0	1.0	g31b	

*n** = 0,00

Schwarzheit *n**

0,25 0,50 *n** = 0,50 0,75 1,00

relative Buntheit *c**

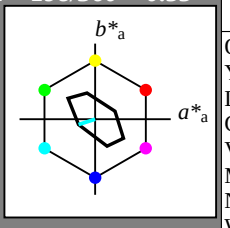
*n** = 1,0

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70

für Buntton *h* = lab*h = 198/360 = 0.55*
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 91 23 198
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit *t**



%Umfang
u^*_{rel} = 16
%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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

***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	0.0	–	
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**	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*	82.56	0.0	0.0	
*LAB*LABa*	82.56	0.0	0.0	
*LAB*TCHa*	50.0	0.0	–	
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**	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*	69.7	0.0	0.0	
*LAB*LABa*	69.7	0.0	0.0	
*LAB*TCHa*	0.01	0.0	–	
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	–	

***relative* Inform. Technology (IT)**

*olvi3**	0.5	1.0	1.0	(1.0)
*cmyn3**	0.5	0.0	0.0	(0.0)
*olvi4**	0.5	1.0	1.0	1.0
*cmyn4**	0.5	0.0	0.0	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	93.17	−10.97	−3.53	
*LAB*LABa*	93.17	−10.97	−3.53	
*LAB*TCHa*	75.0	11.53	197.87	
relative* CIELAB *lab				
*lab*lab*	0.913	−0.475	−0.152	
*lab*tch*	0.75	0.5	0.55	
*lab*nch*	0.0	0.5	0.55	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.913	−0.435	−0.244	
*lab*tce*	0.75	0.5	0.581	
*lab*ncE*	0.0	0.5	g32b	

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.5	0.5	(1.0)
*cmyn3**	1.0	0.5	0.5	(0.0)
*olvi4**	0.5	1.0	1.0	0.5
*cmyn4**	0.5	0.0	0.0	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	80.32	−10.97	−3.53	
*LAB*LABa*	80.32	−10.97	−3.53	
*LAB*TCHa*	25.01	11.53	197.87	
relative* CIELAB *lab				
*lab*lab*	0.413	−0.475	−0.152	
*lab*tch*	0.25	0.5	0.55	
*lab*nch*	0.5	0.5	0.55	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.413	−0.435	−0.244	
*lab*tce*	0.25	0.5	0.581	
*lab*ncE*	0.5	0.5	g32b	

***relative* Inform. Technology (IT)**

*olvi3**	0.0	1.0	1.0	(1.0)
*cmyn3**	1.0	0.0	0.0	(0.0)
*olvi4**	0.0	1.0	1.0	1.0
*cmyn4**	1.0	0.0	0.0	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	90.93	−21.95	−7.07	
*LAB*LABa*	90.93	−21.95	−7.07	
*LAB*TCHa*	50.0	23.07	197.87	
relative* CIELAB *lab				
*lab*lab*	0.826	−0.951	−0.306	
*lab*tch*	0.5	1.0	0.55	
*lab*nch*	0.0	1.0	0.55	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.826	−0.871	−0.488	
*lab*tce*	0.5	1.0	0.581	
*lab*ncE*	0.0	1.0	g32b	

*n** = 0,00

Schwarzheit *n**

0,25 0,50 *n** = 0,50 0,75 1,00

relative Buntheit *c**

*n** = 1,0

NG130−7, 3 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (links)

3 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (rechts)

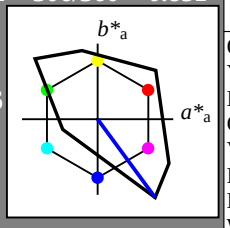
BAM-Registrierung: 20060101-NG13/10S/S13G03SP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
/NG13/ Form: 4/10. Serie: 1/1, Seite: 4 Seitenz hlung 4

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

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

D65: Buntton V
LCH*Ma: 30 129 306
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang
u^*_{rel} = 158
%Regularität
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 20

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	90.75	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

***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**	0.5	0.5	1.0	(1.0)
*cmyn3**	0.5	0.5	0.0	(0.0)
*olvi4**	0.5	0.5	1.0	1.0
*cmyn4**	0.5	0.5	0.0	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	62.9	38.02	−51.78	
*LAB*LABa*	62.9	38.02	−51.78	
*LAB*TCHa*	75.0	64.25	306.29	
relative* CIELAB *lab***				
*lab*lab*	0.659	0.296	−0.402	
*lab*tch*	0.75	0.5	0.851	
*lab*nch*	0.0	0.5	0.851	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.659	0.23	−0.443	
*lab*tce*	0.75	0.5	0.826	
*lab*ncE*	0.0	0.5	b30r	

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	1.0	(1.0)
*cmyn3**	1.0	1.0	0.0	(0.0)
*olvi4**	0.0	0.0	1.0	1.0
*cmyn4**	1.0	1.0	0.0	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	30.39	76.04	−103.57	
*LAB*LABa*	30.39	76.04	−103.57	
*LAB*TCHa*	50.0	128.5	306.29	
relative* CIELAB *lab***				
*lab*lab*	0.318	0.592	−0.805	
*lab*tch*	0.5	1.0	0.851	
*lab*nch*	0.0	1.0	0.851	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.318	0.459	−0.887	
*lab*tce*	0.5	1.0	0.826	
*lab*ncE*	0.0	1.0	b30r	

***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*	47.72	0.0	0.0	
*LAB*LABa*	47.72	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**	0.0	0.0	0.5	(1.0)
*cmyn3**	1.0	1.0	0.5	(0.0)
*olvi4**	0.5	0.5	1.0	0.5
*cmyn4**	0.5	0.5	0.0	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	15.21	38.02	−51.78	
*LAB*LABa*	15.21	38.02	−51.78	
*LAB*TCHa*	25.01	64.25	306.29	
relative* CIELAB *lab***				
*lab*lab*	0.159	0.296	−0.402	
*lab*tch*	0.25	0.5	0.851	
*lab*nch*	0.5	0.5	0.851	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.159	0.23	−0.443	
*lab*tce*	0.25	0.5	0.826	
*lab*ncE*	0.5	0.5	b30r	

***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*	0.03	0.0	0.0	
*LAB*LABa*	0.03	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^*

0,25 0,50 $n^* = 0{,}50$ 0,75 1,00

relative Buntheit c^*

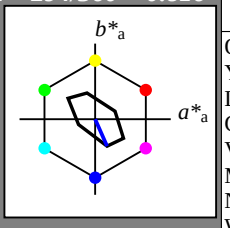
$n^* = 1{,}0$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70

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

D65: Buntton V
LCH*Ma: 72 39 294
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang
u^*_{rel} = 16
%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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

***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	0.0	–	
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**	0.5	0.5	1.0	(1.0)
*cmyn3**	0.5	0.5	0.0	(0.0)
*olvi4**	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*LABa*	83.75	7.88	−17.81	
*LAB*TCHa*	75.0	19.48	293.86	
relative* CIELAB *lab***				
*lab*lab*	0.547	0.202	−0.456	
*lab*tch*	0.75	0.5	0.816	
*lab*nch*	0.0	0.5	0.816	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.547	0.15	−0.476	
*lab*tce*	0.75	0.5	0.799	
*lab*ncE*	0.0	0.5	b19r	

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	1.0	(1.0)
*cmyn3**	1.0	1.0	0.0	(0.0)
*olvi4**	0.0	0.0	1.0	1.0
*cmyn4**	1.0	1.0	0.0	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	72.1	15.76	−35.62	
*LAB*LABa*	72.1	15.76	−35.62	
*LAB*TCHa*	50.0	38.96	293.86	
relative* CIELAB *lab***				
*lab*lab*	0.093	0.404	−0.913	
*lab*tch*	0.5	1.0	0.816	
*lab*nch*	0.0	1.0	0.816	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.093	0.301	−0.953	
*lab*tce*	0.5	1.0	0.799	
*lab*ncE*	0.0	1.0	b19r	

***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*	82.56	0.0	0.0	
*LAB*LABa*	82.56	0.0	0.0	
*LAB*TCHa*	50.0	0.0	–	
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**	0.0	0.0	0.5	(1.0)
*cmyn3**	1.0	1.0	0.5	(0.0)
*olvi4**	0.5	0.5	1.0	0.5
*cmyn4**	0.5	0.5	0.0	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	70.9	7.88	−17.81	
*LAB*LABa*	70.9	7.88	−17.81	
*LAB*TCHa*	25.01	19.48	293.86	
relative* CIELAB *lab***				
*lab*lab*	0.047	0.202	−0.456	
*lab*tch*	0.25	0.5	0.816	
*lab*nch*	0.5	0.5	0.816	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.047	0.15	−0.476	
*lab*tce*	0.25	0.5	0.799	
*lab*ncE*	0.5	0.5	b19r	

***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*	69.7	0.0	0.0	
*LAB*LABa*	69.7	0.0	0.0	
*LAB*TCHa*	0.01	0.0	–	
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^*

0,25 0,50 $n^* = 0{,}50$ 0,75 1,00

relative Buntheit c^*

$n^* = 1{,}0$

NG130−7, 3 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (links)

3 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/NG13/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1?

BAM-Registrierung: 20060101-NG13/10S/S13G04SP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
/NG13/ Form: 5/10. Serie: 1/1, Seite: 5 Seitenz hlung 5

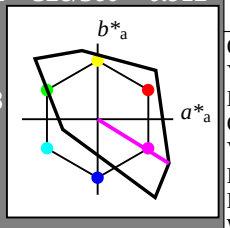
Siehe ähnliche Dateien: http://www.ps.bam.de/NG13/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1?

Eingabe: 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^*



%Umfang
u^*_{rel} = 158
%Regularität
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 37

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	90.75	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

***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**	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*	47.72	0.0	0.0
*LAB*LABa*	47.72	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**	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*	0.03	0.0	0.0
*LAB*LABa*	0.03	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	–

$n^* = 1{,}0$

***relative* Inform. Technology (IT)**

*olvi3**	1.0	0.5	1.0	(1.0)
*cmyn3**	0.0	0.5	0.0	(0.0)
*olvi4**	1.0	0.5	1.0	1.0
*cmyn4**	0.0	0.5	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	76.35	47.17	−29.19
*LAB*LABa*	76.35	47.17	−29.19
*LAB*TCHa*	75.0	55.47	328.23

relative* CIELAB *lab*

*lab*lab*	0.8	0.425	−0.262
*lab*tch*	0.75	0.5	0.912
*lab*nch*	0.0	0.5	0.912

***relative* Natural Colour (NC)**

*lab*lrj*	0.8	0.352	−0.354
*lab*tce*	0.75	0.5	0.874
*lab*ncE*	0.0	0.5	b49r

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.0	0.5	(1.0)
*cmyn3**	0.5	1.0	0.5	(0.0)
*olvi4**	1.0	0.5	1.0	0.5
*cmyn4**	0.0	0.5	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	28.66	47.17	−29.19
*LAB*LABa*	28.66	47.17	−29.19
*LAB*TCHa*	25.01	55.47	328.23

relative* CIELAB *lab*

*lab*lab*	0.3	0.425	−0.262
*lab*tch*	0.25	0.5	0.912
*lab*nch*	0.5	0.5	0.912

***relative* Natural Colour (NC)**

*lab*lrj*	0.3	0.352	−0.354
*lab*tce*	0.25	0.5	0.874
*lab*ncE*	0.5	0.5	b49r

***relative* Inform. Technology (IT)**

*olvi3**	1.0	0.0	1.0	(1.0)
*cmyn3**	0.0	1.0	0.0	(0.0)
*olvi4**	1.0	0.0	1.0	1.0
*cmyn4**	0.0	1.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	57.3	94.33	−58.4
*LAB*LABa*	57.3	94.33	−58.4
*LAB*TCHa*	50.0	110.95	328.23

relative* CIELAB *lab*

*lab*lab*	0.601	0.85	−0.525
*lab*tch*	0.5	1.0	0.912
*lab*nch*	0.0	1.0	0.912

***relative* Natural Colour (NC)**

*lab*lrj*	0.601	0.703	−0.71
*lab*tce*	0.5	1.0	0.874
*lab*ncE*	0.0	1.0	b49r

$n^* = 0{,}00$

Schwarzheit n^*

0,25 0,50 $n^* = 0{,}50$ 0,75 1,00

relative Buntheit c^*

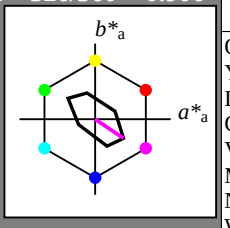
NG130−7, 3 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (links)

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70

für Buntton $h^* = lab^*h = 326/360 = 0.906$
lab*tch* 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
%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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

***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	0.0	–

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**	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*	82.56	0.0	0.0
*LAB*LABa*	82.56	0.0	0.0
*LAB*TCHa*	50.0	0.0	–

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**	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*	69.7	0.0	0.0
*LAB*LABa*	69.7	0.0	0.0
*LAB*TCHa*	0.01	0.0	–

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	–

$n^* = 1{,}0$

***relative* Inform. Technology (IT)**

*olvi3**	1.0	0.5	1.0	(1.0)
*cmyn3**	0.0	0.5	0.0	(0.0)
*olvi4**	1.0	0.5	1.0	1.0
*cmyn4**	0.0	0.5	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	86.95	18.76	−12.61
*LAB*LABa*	86.95	18.76	−12.61
*LAB*TCHa*	75.0	22.61	326.07

relative* CIELAB *lab*

*lab*lab*	0.671	0.415	−0.278
*lab*tch*	0.75	0.5	0.906
*lab*nch*	0.0	0.5	0.906

***relative* Natural Colour (NC)**

*lab*lrj*	0.671	0.341	−0.365
*lab*tce*	0.75	0.5	0.869
*lab*ncE*	0.0	0.5	b47r

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.0	0.5	(1.0)
*cmyn3**	0.5	1.0	0.5	(0.0)
*olvi4**	1.0	0.5	1.0	0.5
*cmyn4**	0.0	0.5	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	74.1	18.76	−12.61
*LAB*LABa*	74.1	18.76	−12.61
*LAB*TCHa*	25.01	22.61	326.07

relative* CIELAB *lab*

*lab*lab*	0.171	0.415	−0.278
*lab*tch*	0.25	0.5	0.906
*lab*nch*	0.5	0.5	0.906

***relative* Natural Colour (NC)**

*lab*lrj*	0.171	0.341	−0.365
*lab*tce*	0.25	0.5	0.869
*lab*ncE*	0.5	0.5	b47r

***relative* Inform. Technology (IT)**

*olvi3**	1.0	0.0	1.0	(1.0)
*cmyn3**	0.0	1.0	0.0	(0.0)
*olvi4**	1.0	0.0	1.0	1.0
*cmyn4**	0.0	1.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	78.5	37.51	−25.22
*LAB*LABa*	78.5	37.51	−25.22
*LAB*TCHa*	50.0	45.21	326.07

relative* CIELAB *lab*

*lab*lab*	0.342	0.83	−0.557
*lab*tch*	0.5	1.0	0.906
*lab*nch*	0.0	1.0	0.906

***relative* Natural Colour (NC)**

*lab*lrj*	0.342	0.682	−0.73
*lab*tce*	0.5	1.0	0.869
*lab*ncE*	0.0	1.0	b47r

$n^* = 0{,}00$

Schwarzheit n^*

0,25 0,50 $n^* = 0{,}50$ 0,75 1,00

relative Buntheit c^*

3 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (rechts)

BAM-Registrierung: 20060101-NG13/10S/S13G05SP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
/NG13/ Form: 6/10. Serie: 1/1, Seite: 6 Seitenz hlung 6

Siehe ähnliche Dateien: http://www.ps.bam.de/NG13/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1?

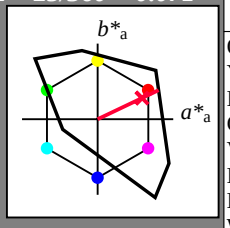
BAM-Registrierung: 20060101-NG13/10S/S13G06SP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/NG13/ Form: 7/10. Serie: 1/1, Seite: 7 Seitenz hlung 7

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton *h = lab*h = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 52 89 25
olv*Ma: 1.0 0.0 0.21

Dreiecks-Helligkeit *t**



%Umfang
u*rel = 158
%Regularität
g*H,rel = 20
g*C,rel = 37

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	90.75	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

***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** 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* 47.72 0.0 0.0
*LAB*LABa* 47.72 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** 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* 0.03 0.0 0.0
*LAB*LABa* 0.03 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** = 1,0*

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.5 0.606 (1.0)
*cmyn3** 0.0 0.5 0.394 (0.0)
*olvi4** 1.0 0.5 0.606 1.0
*cmyn4** 0.0 0.5 0.394 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 73.67 40.3 19.2
*LAB*LABa* 73.67 40.3 19.2
*LAB*TCHa* 75.0 44.64 25.47
relative* CIELAB *lab*
*lab*lab* 0.772 0.451 0.215
*lab*tch* 0.75 0.5 0.071
*lab*nch* 0.0 0.5 0.071
***relative* Natural Colour (NC)**
*lab*lrj* 0.772 0.5 0.0
*lab*tce* 0.75 0.5 1.0
*lab*ncE* 0.0 0.5 b99r

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.0 0.106 (1.0)
*cmyn3** 0.5 1.0 0.894 (0.0)
*olvi4** 1.0 0.5 0.606 0.5
*cmyn4** 0.0 0.5 0.394 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 25.98 40.3 19.21
*LAB*LABa* 25.98 40.3 19.21
*LAB*TCHa* 25.01 44.65 25.49
relative* CIELAB *lab*
*lab*lab* 0.272 0.451 0.215
*lab*tch* 0.25 0.5 0.071
*lab*nch* 0.5 0.5 0.071
***relative* Natural Colour (NC)**
*lab*lrj* 0.272 0.5 0.0
*lab*tce* 0.25 0.5 0.0
*lab*ncE* 0.5 0.5 r00j

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.0 0.213 (1.0)
*cmyn3** 0.0 1.0 0.787 (0.0)
*olvi4** 1.0 0.0 0.213 1.0
*cmyn4** 0.0 1.0 0.787 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 51.94 80.61 38.42
*LAB*LABa* 51.94 80.61 38.42
*LAB*TCHa* 50.0 89.29 25.48
relative* CIELAB *lab*
*lab*lab* 0.544 0.903 0.43
*lab*tch* 0.5 1.0 0.071
*lab*nch* 0.0 1.0 0.071
***relative* Natural Colour (NC)**
*lab*lrj* 0.544 1.0 0.0
*lab*tce* 0.5 1.0 0.0
*lab*ncE* 0.0 1.0 r00j

***n** = 0,00*

Schwarzheit *n**

0,25 0,50 ***n** = 0,50* 0,75 1,00

relative Buntheit *c**

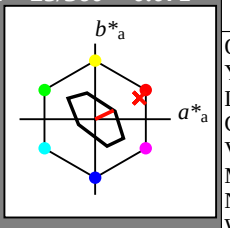
NG130−7, 3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70

für Buntton *h = lab*h = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 77 27 25
olv*Ma: 1.0 0.05 0.0

Dreiecks-Helligkeit *t**



%Umfang
u*rel = 16
%Regularität
g*H,rel = 34
g*C,rel = 51

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

***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 0.0 –
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** 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* 82.56 0.0 0.0
*LAB*LABa* 82.56 0.0 0.0
*LAB*TCHa* 50.0 0.0 –
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** 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* 69.7 0.0 0.0
*LAB*LABa* 69.7 0.0 0.0
*LAB*TCHa* 0.01 0.0 –
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** = 1,0*

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.523 0.5 (1.0)
*cmyn3** 0.0 0.477 0.5 (0.0)
*olvi4** 1.0 0.523 0.5 1.0
*cmyn4** 0.0 0.477 0.5 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 86.33 12.27 5.85
*LAB*LABa* 86.33 12.27 5.85
*LAB*TCHa* 75.0 13.59 25.48
relative* CIELAB *lab*
*lab*lab* 0.647 0.451 0.215
*lab*tch* 0.75 0.5 0.071
*lab*nch* 0.0 0.5 0.071
***relative* Natural Colour (NC)**
*lab*lrj* 0.647 0.5 0.0
*lab*tce* 0.75 0.5 0.0
*lab*ncE* 0.0 0.5 r00j

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.023 0.0 (1.0)
*cmyn3** 0.5 0.977 1.0 (0.0)
*olvi4** 1.0 0.523 0.5 0.5
*cmyn4** 0.0 0.477 0.5 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 73.47 12.27 5.84
*LAB*LABa* 73.47 12.27 5.84
*LAB*TCHa* 25.01 13.59 25.46
relative* CIELAB *lab*
*lab*lab* 0.147 0.451 0.215
*lab*tch* 0.25 0.5 0.071
*lab*nch* 0.5 0.5 0.071
***relative* Natural Colour (NC)**
*lab*lrj* 0.147 0.5 0.0
*lab*tce* 0.25 0.5 1.0
*lab*ncE* 0.5 0.5 b99r

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.047 0.0 (1.0)
*cmyn3** 0.0 0.953 1.0 (0.0)
*olvi4** 1.0 0.047 0.0 1.0
*cmyn4** 0.0 0.953 1.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 77.25 24.54 11.69
*LAB*LABa* 77.25 24.54 11.69
*LAB*TCHa* 50.0 27.18 25.47
relative* CIELAB *lab*
*lab*lab* 0.294 0.903 0.43
*lab*tch* 0.5 1.0 0.071
*lab*nch* 0.0 1.0 0.071
***relative* Natural Colour (NC)**
*lab*lrj* 0.294 1.0 0.0
*lab*tce* 0.5 1.0 1.0
*lab*ncE* 0.0 1.0 b99r

***n** = 0,00*

Schwarzheit *n**

0,25 0,50 ***n** = 0,50* 0,75 1,00

relative Buntheit *c**

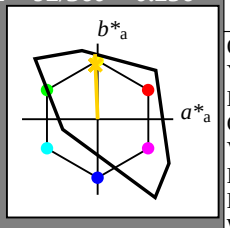
3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

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

D65: Buntton J
LCH*Ma: 85 86 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit t^*



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	90.75	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

%Umfang
u^*_{rel} = 158
%Regularität
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 37

***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**	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*	47.72	0.0	0.0
*LAB*LABa*	47.72	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**	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*	0.03	0.0	0.0
*LAB*LABa*	0.03	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	–

$n^* = 1{,}0$

***relative* Inform. Technology (IT)**

*olvi3**	1.0	0.912	0.5	(1.0)
*cmyn3**	0.0	0.088	0.5	(0.0)
*olvi4**	1.0	0.912	0.5	1.0
*cmyn4**	0.0	0.088	0.5	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	90.31	−1.74	43.06
*LAB*LABa*	90.31	−1.74	43.06
*LAB*TCHa*	75.0	43.09	92.32

relative* CIELAB *lab*

*lab*lab*	0.947	−0.019	0.499
*lab*tch*	0.75	0.5	0.256
*lab*nch*	0.0	0.5	0.256

***relative* Natural Colour (NC)**

*lab*lrj*	0.947	0.0	0.5
*lab*tce*	0.75	0.5	0.25
*lab*ncE*	0.0	0.5	j00g

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.412	0.0	(1.0)
*cmyn3**	0.5	0.588	1.0	(0.0)
*olvi4**	1.0	0.912	0.5	0.5
*cmyn4**	0.0	0.088	0.5	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	42.62	−1.73	43.05
*LAB*LABa*	42.62	−1.73	43.05
*LAB*TCHa*	25.01	43.09	92.31

relative* CIELAB *lab*

*lab*lab*	0.447	−0.019	0.499
*lab*tch*	0.25	0.5	0.256
*lab*nch*	0.5	0.5	0.256

***relative* Natural Colour (NC)**

*lab*lrj*	0.447	0.0	0.5
*lab*tce*	0.25	0.5	0.25
*lab*ncE*	0.5	0.5	r99j

***relative* Inform. Technology (IT)**

*olvi3**	1.0	0.824	0.0	(1.0)
*cmyn3**	0.0	0.176	1.0	(0.0)
*olvi4**	1.0	0.824	0.0	1.0
*cmyn4**	0.0	0.176	1.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	85.22	−3.47	86.11
*LAB*LABa*	85.22	−3.47	86.11
*LAB*TCHa*	50.0	86.18	92.32

relative* CIELAB *lab*

*lab*lab*	0.893	−0.039	0.999
*lab*tch*	0.5	1.0	0.256
*lab*nch*	0.0	1.0	0.256

***relative* Natural Colour (NC)**

*lab*lrj*	0.893	0.0	1.0
*lab*tce*	0.5	1.0	0.25
*lab*ncE*	0.0	1.0	j00g

$n^* = 0{,}00$

Schwarzheit n^*

0,25 0,50 $n^* = 0{,}50$ 0,75 1,00

relative Buntheit c^*

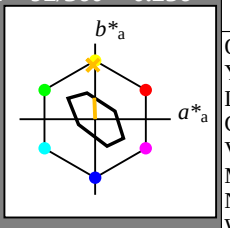
NG130−7, 3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70

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

D65: Buntton J
LCH*Ma: 89 28 92
olv*Ma: 1.0 0.74 0.0

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

%Umfang
u^*_{rel} = 16
%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

***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	0.0	–

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**	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*	82.56	0.0	0.0
*LAB*LABa*	82.56	0.0	0.0
*LAB*TCHa*	50.0	0.0	–

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**	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*	69.7	0.0	0.0
*LAB*LABa*	69.7	0.0	0.0
*LAB*TCHa*	0.01	0.0	–

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	–

$n^* = 1{,}0$

***relative* Inform. Technology (IT)**

*olvi3**	1.0	0.87	0.5	(1.0)
*cmyn3**	0.0	0.13	0.5	(0.0)
*olvi4**	1.0	0.87	0.5	1.0
*cmyn4**	0.0	0.13	0.5	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	92.4	−0.57	14.19
*LAB*LABa*	92.4	−0.57	14.19
*LAB*TCHa*	75.0	14.2	92.32

relative* CIELAB *lab*

*lab*lab*	0.883	−0.019	0.499
*lab*tch*	0.75	0.5	0.256
*lab*nch*	0.0	0.5	0.256

***relative* Natural Colour (NC)**

*lab*lrj*	0.883	0.0	0.5
*lab*tce*	0.75	0.5	0.25
*lab*ncE*	0.0	0.5	j00g

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.37	0.0	(1.0)
*cmyn3**	0.5	0.63	1.0	(0.0)
*olvi4**	1.0	0.87	0.5	0.5
*cmyn4**	0.0	0.13	0.5	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	79.54	−0.56	14.19
*LAB*LABa*	79.54	−0.56	14.19
*LAB*TCHa*	25.01	14.2	92.31

relative* CIELAB *lab*

*lab*lab*	0.383	−0.019	0.499
*lab*tch*	0.25	0.5	0.256
*lab*nch*	0.5	0.5	0.256

***relative* Natural Colour (NC)**

*lab*lrj*	0.383	0.0	0.5
*lab*tce*	0.25	0.5	0.25
*lab*ncE*	0.5	0.5	r99j

***relative* Inform. Technology (IT)**

*olvi3**	1.0	0.74	0.0	(1.0)
*cmyn3**	0.0	0.26	1.0	(0.0)
*olvi4**	1.0	0.74	0.0	1.0
*cmyn4**	0.0	0.26	1.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	89.38	−1.14	28.37
*LAB*LABa*	89.38	−1.14	28.37
*LAB*TCHa*	50.0	28.4	92.32

relative* CIELAB *lab*

*lab*lab*	0.766	−0.039	0.999
*lab*tch*	0.5	1.0	0.256
*lab*nch*	0.0	1.0	0.256

***relative* Natural Colour (NC)**

*lab*lrj*	0.766	0.0	1.0
*lab*tce*	0.5	1.0	0.25
*lab*ncE*	0.0	1.0	j00g

$n^* = 0{,}00$

Schwarzheit n^*

0,25 0,50 $n^* = 0{,}50$ 0,75 1,00

relative Buntheit c^*

3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/NG13/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1?

BAM-Registrierung: 20060101-NG13/10S/S13G07SP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
/NG13/ Form: 8/10. Serie: 1/1, Seite: 8 Seitenz hlung 8

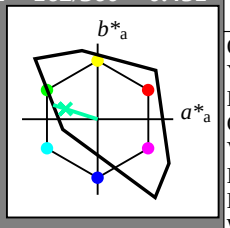
Siehe ähnliche Dateien: http://www.ps.bam.de/NG13/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1?

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton *h = lab*h = 162/360 = 0.451**
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 86 62 162
olv*Ma: 0.0 1.0 0.65

Dreiecks-Helligkeit *t**



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	90.75	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

%Umfang
u^*_{rel} = 158
%Regularität
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 37

***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** 0.5 1.0 0.826 (1.0)
*cmyn3** 0.5 0.0 0.174 (0.0)
*olvi4** 0.5 1.0 0.827 1.0
*cmyn4** 0.5 0.0 0.173 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 90.57 −29.42 9.43
*LAB*LABa* 90.57 −29.42 9.43
*LAB*TCHa* 75.0 30.9 162.23
relative* CIELAB *lab*
*lab*lab* 0.949 −0.475 0.153
*lab*tch* 0.75 0.5 0.451
*lab*nch* 0.0 0.5 0.451
***relative* Natural Colour (NC)**
*lab*lrj* 0.949 −0.499 0.0
*lab*tce* 0.75 0.5 0.5
*lab*ncE* 0.0 0.5 g00b

***relative* Inform. Technology (IT)**
*olvi3** 0.0 1.0 0.653 (1.0)
*cmyn3** 1.0 0.0 0.347 (0.0)
*olvi4** 0.0 1.0 0.653 1.0
*cmyn4** 1.0 0.0 0.347 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 85.74 −58.84 18.87
*LAB*LABa* 85.74 −58.84 18.87
*LAB*TCHa* 50.0 61.8 162.23
relative* CIELAB *lab*
*lab*lab* 0.899 −0.951 0.305
*lab*tch* 0.5 1.0 0.451
*lab*nch* 0.0 1.0 0.451
***relative* Natural Colour (NC)**
*lab*lrj* 0.899 −0.999 0.0
*lab*tce* 0.5 1.0 0.5
*lab*ncE* 0.0 1.0 g00b

***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* 47.72 0.0 0.0
*LAB*LABa* 47.72 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** 0.0 0.5 0.326 (1.0)
*cmyn3** 1.0 0.5 0.674 (0.0)
*olvi4** 0.5 1.0 0.826 0.5
*cmyn4** 0.5 0.0 0.174 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 42.88 −29.42 9.44
*LAB*LABa* 42.88 −29.42 9.44
*LAB*TCHa* 25.01 30.91 162.22
relative* CIELAB *lab*
*lab*lab* 0.449 −0.475 0.153
*lab*tch* 0.25 0.5 0.451
*lab*nch* 0.5 0.5 0.451
***relative* Natural Colour (NC)**
*lab*lrj* 0.449 −0.499 0.0
*lab*tce* 0.25 0.5 0.5
*lab*ncE* 0.5 0.5 j99g

***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* 0.03 0.0 0.0
*LAB*LABa* 0.03 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 –

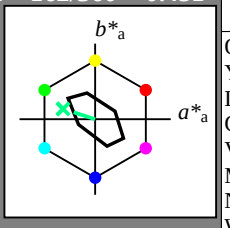
*n** = 0,00
Schwarzheit *n**
0,25 0,50 *n** = 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70

für Buntton *h = lab*h = 162/360 = 0.451**
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 90 30 162
olv*Ma: 0.0 1.0 0.53

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

%Umfang
u^*_{rel} = 16
%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

***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 0.0 –
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** 0.5 1.0 0.767 (1.0)
*cmyn3** 0.5 0.0 0.233 (0.0)
*olvi4** 0.5 1.0 0.767 1.0
*cmyn4** 0.5 0.0 0.233 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 92.79 −14.2 4.55
*LAB*LABa* 92.79 −14.2 4.55
*LAB*TCHa* 75.0 14.92 162.23
relative* CIELAB *lab*
*lab*lab* 0.898 −0.475 0.153
*lab*tch* 0.75 0.5 0.451
*lab*nch* 0.0 0.5 0.451
***relative* Natural Colour (NC)**
*lab*lrj* 0.898 −0.499 0.0
*lab*tce* 0.75 0.5 0.5
*lab*ncE* 0.0 0.5 g00b

***relative* Inform. Technology (IT)**
*olvi3** 0.0 1.0 0.534 (1.0)
*cmyn3** 1.0 0.0 0.466 (0.0)
*olvi4** 0.0 1.0 0.534 1.0
*cmyn4** 1.0 0.0 0.466 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 90.18 −28.4 9.11
*LAB*LABa* 90.18 −28.4 9.11
*LAB*TCHa* 50.0 29.84 162.22
relative* CIELAB *lab*
*lab*lab* 0.796 −0.951 0.305
*lab*tch* 0.5 1.0 0.451
*lab*nch* 0.0 1.0 0.451
***relative* Natural Colour (NC)**
*lab*lrj* 0.796 −0.999 0.0
*lab*tce* 0.5 1.0 0.5
*lab*ncE* 0.0 1.0 g00b

***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* 82.56 0.0 0.0
*LAB*LABa* 82.56 0.0 0.0
*LAB*TCHa* 50.0 0.0 –
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** 0.0 0.5 0.267 (1.0)
*cmyn3** 1.0 0.5 0.733 (0.0)
*olvi4** 0.5 1.0 0.767 0.5
*cmyn4** 0.5 0.0 0.233 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 79.94 −14.2 4.56
*LAB*LABa* 79.94 −14.2 4.56
*LAB*TCHa* 25.01 14.92 162.22
relative* CIELAB *lab*
*lab*lab* 0.398 −0.475 0.153
*lab*tch* 0.25 0.5 0.451
*lab*nch* 0.5 0.5 0.451
***relative* Natural Colour (NC)**
*lab*lrj* 0.398 −0.499 0.0
*lab*tce* 0.25 0.5 0.5
*lab*ncE* 0.5 0.5 j99g

***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* 69.7 0.0 0.0
*LAB*LABa* 69.7 0.0 0.0
*LAB*TCHa* 0.01 0.0 –
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**
0,25 0,50 *n** = 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

NG130−7, 3 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)
3 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

BAM-Registrierung: 20060101-NG13/10S/S13G08SP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/NG13/ Form: 9/10. Serie: 1/1, Seite: 9 Seitenz hlung 9

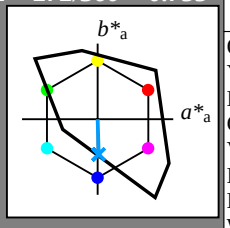
Siehe ähnliche Dateien: http://www.ps.bam.de/NG13/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1?

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

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

D65: Buntton B
LCH*Ma: 65 49 272
olv*Ma: 0.0 0.61 1.0

Dreiecks-Helligkeit t^*



%Umfang
u^*_{rel} = 158
%Regularität
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 37

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	90.75	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

***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** 0.5 0.805 1.0 (1.0)
*cmyn3** 0.5 0.195 0.0 (0.0)
*olvi4** 0.5 0.805 1.0 1.0
*cmyn4** 0.5 0.195 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 80.13 0.73 −24.31
*LAB*LABa* 80.13 0.73 −24.31
*LAB*TCHa* 75.0 24.33 271.72
relative* CIELAB *lab*
*lab*lab* 0.84 0.015 −0.499
*lab*tch* 0.75 0.5 0.755
*lab*nch* 0.0 0.5 0.755
***relative* Natural Colour (NC)**
*lab*lrj* 0.84 0.0 −0.499
*lab*tce* 0.75 0.5 0.75
*lab*ncE* 0.0 0.5 g99b

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.61 1.0 (1.0)
*cmyn3** 1.0 0.39 0.0 (0.0)
*olvi4** 0.0 0.61 1.0 1.0
*cmyn4** 1.0 0.39 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 64.86 1.47 −48.64
*LAB*LABa* 64.86 1.47 −48.64
*LAB*TCHa* 50.0 48.67 271.74
relative* CIELAB *lab*
*lab*lab* 0.68 0.03 −0.998
*lab*tch* 0.5 1.0 0.755
*lab*nch* 0.0 1.0 0.755
***relative* Natural Colour (NC)**
*lab*lrj* 0.68 0.0 −0.999
*lab*tce* 0.5 1.0 0.75
*lab*ncE* 0.0 1.0 g99b

***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* 47.72 0.0 0.0
*LAB*LABa* 47.72 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** 0.0 0.305 0.5 (1.0)
*cmyn3** 1.0 0.695 0.5 (0.0)
*olvi4** 0.5 0.805 1.0 0.5
*cmyn4** 0.5 0.195 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 32.44 0.74 −24.32
*LAB*LABa* 32.44 0.74 −24.32
*LAB*TCHa* 25.01 24.34 271.75
relative* CIELAB *lab*
*lab*lab* 0.34 0.015 −0.499
*lab*tch* 0.25 0.5 0.755
*lab*nch* 0.5 0.5 0.755
***relative* Natural Colour (NC)**
*lab*lrj* 0.34 0.0 −0.499
*lab*tce* 0.25 0.5 0.75
*lab*ncE* 0.5 0.5 b00r

***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* 0.03 0.0 0.0
*LAB*LABa* 0.03 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 –

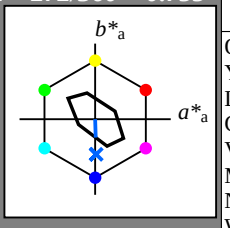
$n^* = 0{,}00$
Schwarzheit n^*
0,25 0,50 $n^* = 0{,}50$ 0,75 1,00
relative Buntheit c^*
$n^* = 1{,}0$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70

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

D65: Buntton B
LCH*Ma: 80 24 272
olv*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit t^*



%Umfang
u^*_{rel} = 16
%Regularität
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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

***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 0.0 –
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** 0.5 0.699 1.0 (1.0)
*cmyn3** 0.5 0.301 0.0 (0.0)
*olvi4** 0.5 0.699 1.0 1.0
*cmyn4** 0.5 0.301 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 87.5 0.37 −12.12
*LAB*LABa* 87.5 0.37 −12.12
*LAB*TCHa* 75.0 12.13 271.73
relative* CIELAB *lab*
*lab*lab* 0.693 0.015 −0.499
*lab*tch* 0.75 0.5 0.755
*lab*nch* 0.0 0.5 0.755
***relative* Natural Colour (NC)**
*lab*lrj* 0.693 0.0 −0.499
*lab*tce* 0.75 0.5 0.75
*lab*ncE* 0.0 0.5 g99b

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.398 1.0 (1.0)
*cmyn3** 1.0 0.602 0.0 (0.0)
*olvi4** 0.0 0.398 1.0 1.0
*cmyn4** 1.0 0.602 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 79.6 0.74 −24.25
*LAB*LABa* 79.6 0.74 −24.25
*LAB*TCHa* 50.0 24.27 271.74
relative* CIELAB *lab*
*lab*lab* 0.385 0.03 −0.998
*lab*tch* 0.5 1.0 0.755
*lab*nch* 0.0 1.0 0.755
***relative* Natural Colour (NC)**
*lab*lrj* 0.385 0.0 −0.999
*lab*tce* 0.5 1.0 0.75
*lab*ncE* 0.0 1.0 b00r

***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* 82.56 0.0 0.0
*LAB*LABa* 82.56 0.0 0.0
*LAB*TCHa* 50.0 0.0 –
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** 0.0 0.199 0.5 (1.0)
*cmyn3** 1.0 0.801 0.5 (0.0)
*olvi4** 0.5 0.699 1.0 0.5
*cmyn4** 0.5 0.301 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 74.65 0.37 −12.12
*LAB*LABa* 74.65 0.37 −12.12
*LAB*TCHa* 25.01 12.14 271.75
relative* CIELAB *lab*
*lab*lab* 0.193 0.015 −0.499
*lab*tch* 0.25 0.5 0.755
*lab*nch* 0.5 0.5 0.755
***relative* Natural Colour (NC)**
*lab*lrj* 0.193 0.0 −0.499
*lab*tce* 0.25 0.5 0.75
*lab*ncE* 0.5 0.5 b00r

***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* 69.7 0.0 0.0
*LAB*LABa* 69.7 0.0 0.0
*LAB*TCHa* 0.01 0.0 –
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^*
0,25 0,50 $n^* = 0{,}50$ 0,75 1,00
relative Buntheit c^*
$n^* = 1{,}0$

BAM-Registrierung: 20060101-NG13/10S/S13G09SP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/NG13/ Form: 10/10Serie: 1/1, Seite: 10 Seitenz hlung 10

NG130−7, 3 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)
3 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)