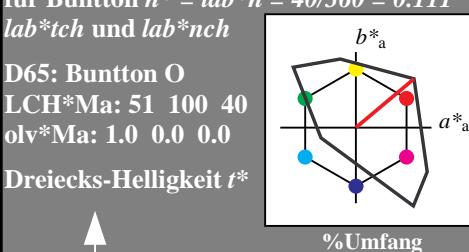


BAM-Registrierung: 20060101-OG54/10L/L54G00NP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

/OG54/ Form: 1/10, Seite: 1/1, Seite: 1

Seitenzählnum 1

**Eingabe:** Farbmétrisches Fernseh-Licht-System TLS00  
für Bunton  $h^* = lab^*h = 40/360 = 0.111$



**TLS00; adaptierte CIELAB-Daten**

	$L^*=L_a^*$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	50.5	76.92	64.55	100.42	40
Y <sub>Ma</sub>	92.66	-20.69	90.75	93.08	103
L <sub>Ma</sub>	83.63	-82.75	79.9	115.04	136
C <sub>Ma</sub>	86.88	-46.16	-13.55	48.12	196
V <sub>Ma</sub>	30.39	76.06	-103.59	128.52	306
M <sub>Ma</sub>	57.3	94.35	-58.41	110.97	328
N <sub>Ma</sub>	0.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

**relative Inform. Technology (IT)**

**cmy3\*** 0.5 0.5 0.5 (1,0)

**olv3\*** 0.5 0.5 0.5 (0,0)

**olv4\*** 0.0 0.0 0.0

**standard and adapted CIELAB**

**LAB\*LAB** 71.57 0.0 0.0

**LAB\*TChA** 99.99 0.01

**LAB\*TChA** 99.99 0.01

**relative CIELAB lab\***

**lab\*tch** 0.5 0.0 0.0

**lab\*ncn** 1.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.75 0.0 0.0

**lab\*ice** 0.75 0.0 0.0

**lab\*nce** 0.25 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.5 0.0 0.0

**lab\*ncn** 0.5 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.25 0.0 0.0

**lab\*ice** 0.25 0.0 0.0

**lab\*nce** 0.75 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.25 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.25 0.0 0.0

**lab\*ice** 0.25 0.0 0.0

**lab\*nce** 1.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

**lab\*irj** 0.0 0.0 0.0

**lab\*ice** 0.0 0.0 0.0

**lab\*nce** 0.0 0.0 0.0

**relative CIELAB lab\***

**lab\*tch** 0.0 0.0 0.0

**lab\*ncn** 0.0 0.0 0.0

**relative Natural Colour (NC)**

BAM-Registrierung: 20060101-OG54/10L/L54G01NP.PS/.PDF  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

/OG54/Form: 2/10, Seite: 1/1, Seite: 2

Seitenflügel 2

$n^* = 0,00$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 0,50$

$n^* = 0,25$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 0,50$

$n^* = 0,25$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 0,50$

$n^* = 0,25$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 0,50$

$n^* = 0,00$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

$n^* = 0,00$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

$n^* = 0,25$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

$n^* = 0,50$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

$n^* = 0,75$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

$n^* = 1,00$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

$n^* = 1,25$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

$n^* = 1,50$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

$n^* = 1,75$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

$n^* = 2,00$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

$n^* = 2,25$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

$n^* = 2,50$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

$n^* = 2,75$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

$n^* = 3,00$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

$n^* = 3,25$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

$n^* = 3,50$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

$n^* = 3,75$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

$n^* = 4,00$

$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

$n^* = 4,25$

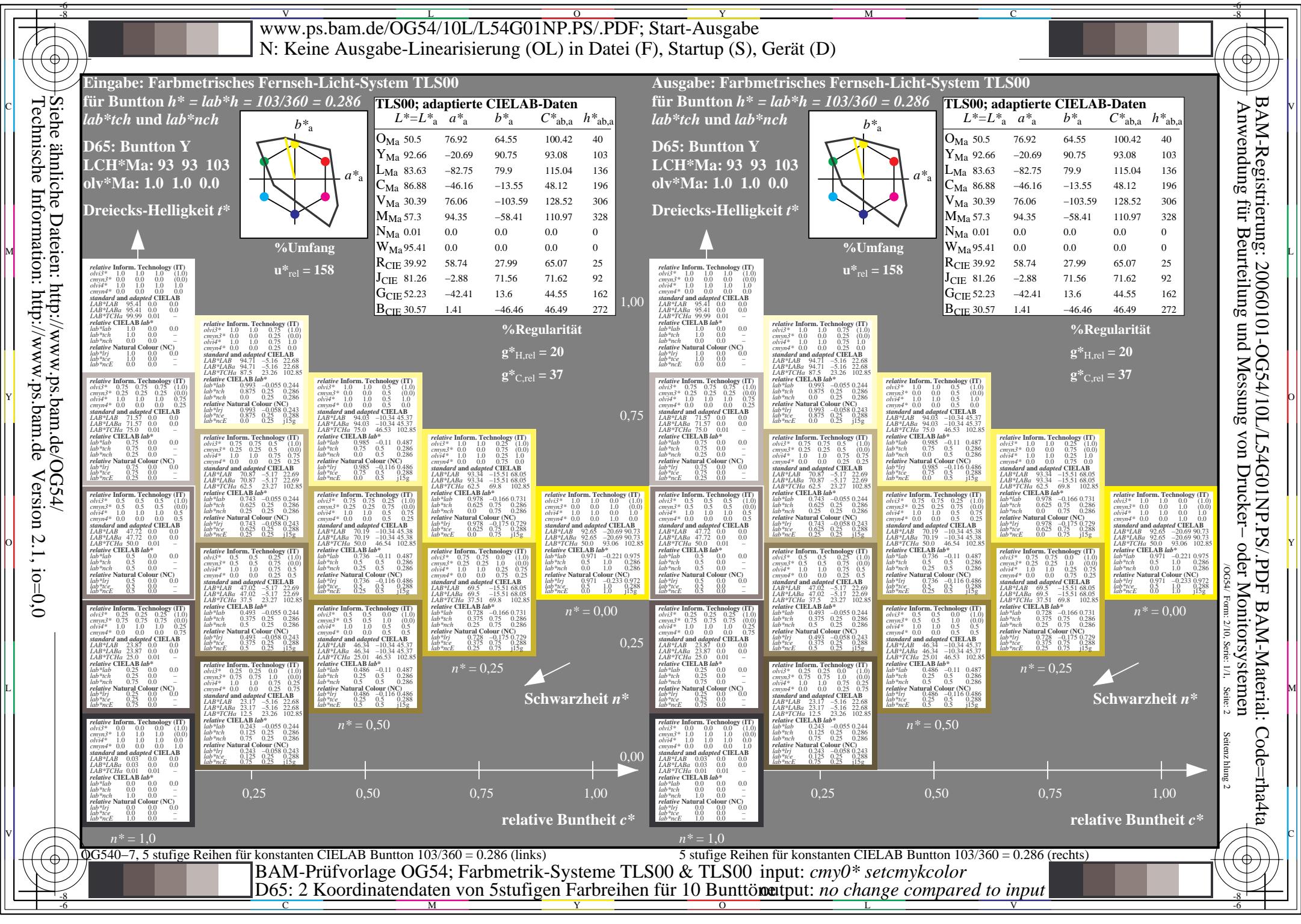
$\rightarrow$  Schwarzeit  $n^*$

$n^* = 1,0$

OG540-7,5 stufige Reihen für konstanten CIELAB Bunnton 103/360 = 0,286 (links)

5 stufige Reihen für konstanten CIELAB Bunnton 103/360 = 0,286 (rechts)

BAM-Prüfvorlage OG54; Farbmatrik-Systeme TLS00 & TLS00 input: cmy0\* setcmykcolor  
D65: 2 Koordinatendaten von 5stufigen Farbreihen für 10 Bunttönen output: no change compared to input



BAM-Registrierung: 20060101-OG54/10L/L54G02NP.PS/.PDF  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

www.ps.bam.de/OG54/10L/L54G02NP.PS/.PDF; Start-Ausgabe  
N: Keine Ausgabe-Linearisierung (OL) in Datei (F), Startup (S), Gerät (D)

Siehe ähnliche Dateien: <http://www.ps.bam.de/OG54/>

Technische Information: <http://www.ps.bam.de> Version 2.1, io=0

Eingabe: Farbmétrisches Fernseh-Licht-System TLS00

für Bunton  $h^* = lab^*h = 136/360 = 0.378$

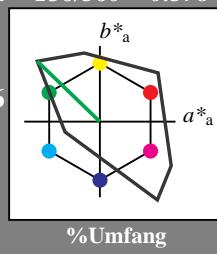
$lab^*tch$  und  $lab^*nch$

D65: Bunton L

LCH\*Ma: 84 115 136

olv\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



TLS00; adaptierte CIELAB-Daten

	$L^*=L_a^*$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	50.5	76.92	64.55	100.42	40
YMa	92.66	-20.69	90.75	93.08	103
LMa	83.63	-82.75	79.9	115.04	136
CMa	86.88	-46.16	-13.55	48.12	196
VMa	30.39	76.06	-103.59	128.52	306
MMa	57.3	94.35	-58.41	110.97	328
NMa	0.01	0.0	0.0	0.0	0
WMa	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

relative Inform. Technology (IT)	0.0	1.0	1.0	(1,0)
cmyn3*	0.0	0.0	0.0	(0,0)
olv4*	0.0	1.0	0.0	(0,0)
cmy4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*TChA	99.99	0.01	-	
relative CIELAB lab*	0.75	0.0	0.0	-
lab*tch	1.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)	0.0	0.0	0.0	-
lab*irj	1.0	0.0	-	-
lab*ice	1.0	0.0	-	-
lab*nCE	0.0	0.0	-	-

relative Inform. Technology (IT)	0.5	0.5	0.5	(1,0)
cmyn3*	0.25	0.25	0.25	(0,0)
olv4*	1.0	1.0	0.75	(0,0)
cmy4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*TChA	99.99	0.01	-	
relative CIELAB lab*	0.75	0.0	0.0	-
lab*tch	0.75	0.0	-	-
lab*nch	0.75	0.0	-	-
relative Natural Colour (NC)	0.0	0.0	0.0	-
lab*irj	0.75	0.0	-	-
lab*ice	0.75	0.0	-	-
lab*nCE	0.25	0.0	-	-

relative Inform. Technology (IT)	0.5	0.5	0.5	(1,0)
cmyn3*	0.25	0.25	0.25	(0,0)
olv4*	1.0	1.0	0.75	(0,0)
cmy4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*TChA	99.99	0.01	-	
relative CIELAB lab*	0.75	0.0	0.0	-
lab*tch	0.75	0.0	-	-
lab*nch	0.75	0.0	-	-
relative Natural Colour (NC)	0.0	0.0	0.0	-
lab*irj	0.75	0.0	-	-
lab*ice	0.75	0.0	-	-
lab*nCE	0.25	0.0	-	-

relative Inform. Technology (IT)	0.0	0.0	0.0	(1,0)
cmyn3*	1.0	1.0	1.0	(0,0)
olv4*	0.75	0.75	0.75	(0,0)
cmy4*	1.0	1.0	0.25	(0,0)
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	
LAB*TChA	99.99	0.01	-	
relative CIELAB lab*	0.25	0.0	0.0	-
lab*tch	0.25	0.0	-	-
lab*nch	0.25	0.0	-	-
relative Natural Colour (NC)	0.0	0.0	0.0	-
lab*irj	0.25	0.0	-	-
lab*ice	0.25	0.0	-	-
lab*nCE	0.75	0.0	-	-

$n^* = 1,0$

relative Inform. Technology (IT)	0.0	0.0	0.0	(1,0)
cmyn3*	1.0	1.0	1.0	(0,0)
olv4*	0.75	0.75	0.75	(0,0)
cmy4*	1.0	1.0	0.25	(0,0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*TChA	0.01	0.01	-	
relative CIELAB lab*	0.0	0.0	0.0	-
lab*tch	0.0	0.0	-	-
lab*nch	0.0	0.0	-	-
relative Natural Colour (NC)	0.0	0.0	0.0	-
lab*irj	0.219	-0.207	0.139	-
lab*ice	0.219	-0.207	0.139	-
lab*nCE	0.75	0.25	0.626	-

$n^* = 1,0$

relative Inform. Technology (IT)	0.0	0.0	0.0	(1,0)
cmyn3*	1.0	1.0	1.0	(0,0)
olv4*	0.75	0.75	0.75	(0,0)
cmy4*	1.0	1.0	0.25	(0,0)
standard and adapted CIELAB				
LAB*LAB	20.92	-26.07	19.97	
LAB*TChA	99.99	0.01	-	
relative CIELAB lab*	0.219	-0.179	0.174	
lab*tch	0.219	-0.179	0.174	
lab*nch	0.219	-0.207	0.139	
relative Natural Colour (NC)	0.219	-0.207	0.139	
lab*irj	0.219	-0.207	0.139	
lab*ice	0.219	-0.207	0.139	
lab*nCE	0.75	0.25	0.626	

$n^* = 1,0$

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Bunton  $h^* = lab^*h = 136/360 = 0.378$

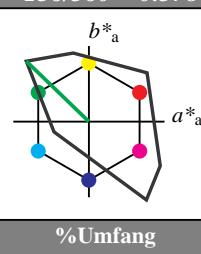
$lab^*tch$  und  $lab^*nch$

D65: Bunton L

LCH\*Ma: 84 115 136

olv\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



TLS00; adaptierte CIELAB-Daten

	$L^*=L_a^*$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	50.5	76.92	64.55	100.42	40
YMa	92.66	-20.69	90.75	93.08	103
LMa	83.63	-82.75	79.9	115.04	136
CMa	86.88	-46.16	-13.55	48.12	196
VMa	30.39	76.06	-103.59	128.52	306
MMa	57.3	94.35	-58.41	110.97	328
NMa	0.01	0.0	0.0	0.0	0
WMa	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

relative Inform. Technology (IT)	0.0	1.0	1.0	(1,0)
cmyn3*	0.5	0.5	0.5	(0,0)
olv4*	1.0	1.0	0.75	(0,0)
cmy4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	92.46	-20.67	19.97	
LAB*TChA	87.5	28.75	136.01	
relative CIELAB lab*	0.5	0.0	0.0	-
lab*tch	0.5	0.0	-	-
lab*nch	0.5	0.0	-	-
relative Natural Colour (NC)	0.0	0.0	0.0	-
lab*irj	0.5	0.0	-	-
lab*ice	0.5	0.0	-	-
lab*nCE	0.25	0.0	-	-

relative Inform. Technology (IT)	0.0	1.0	1.0	(1,0)
cmyn3*	0.25	0.25	0.25	(0,0)
olv4*	1.0	1.0	0.75	(0,0)
cmy4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*TChA	75.5	0.01	-	
relative CIELAB lab*	0.5	0.0	0.0	-
lab*tch	0.5	0.0	-	-
lab*nch	0.5	0.0	-	-
relative Natural Colour (NC)	0.0	0.0	0.0	-
lab*irj	0.5	0.0	-	-
lab*ice	0.5	0.0	-	-
lab*nCE	0.25	0.0	-	-

relative Inform. Technology (IT)	0.0	1.0	1.0	(1,0)
cmyn3*	0.25	0.25	0.25	(0,0)
olv4*	1.0	1.0	0.75	(0,0)
cmy4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	85.91	-41.36	39.94	
LAB*TChA	87.5	28.75	136.01	
relative CIELAB lab*	0.5	0.0	0.0	-
lab*tch	0.5	0.0	-	-
lab*nch	0.5	0.0	-	-
relative Natural Colour (NC)	0.0	0.0	0.0	-
lab*irj	0.5	0.0	-	-
lab*ice	0.5	0.0	-	-
lab*nCE	0.25	0.0	-	-

relative Inform. Technology (IT)	0.0	1.0	1.0	(1,0)

BAM-Registrierung: 20060101-OG54/10L/L54G03NP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

/OG54/ Form: 4/10, Seite: 1/1, Seite: 4 Seite: 4/1 Seite: 4/4

Siehe ähnliche Dateien: <http://www.ps.bam.de/OG54/>

Technische Information: <http://www.ps.bam.de> Version 2.1, io=0

## Eingabe: Farbmétrisches Fernseh-Licht-System TLS00

für Bunton  $h^* = lab^*h = 196/360 = 0.545$

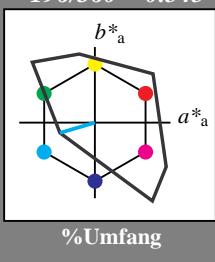
$lab^*tch$  und  $lab^*nch$

D65: Bunton C

LCH\*Ma: 87 48 196

olv\*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit  $t^*$



relative Inform. Technology (IT)

cmy3\* 0.0 1.0 1.0 (1,0)

cmy3\* 0.0 0.0 0.0 (0,0)

cmy4\* 0.0 1.0 1.0 (1,0)

cmy4\* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB\*LAB 95.41 0.0 0.0

LAB\*Tch 94.41 0.0 0.0

LAB\*TchA 99.99 0.01 -

relative CIELAB lab\*

lab^\*lch 0.75 0.0 0.0

lab^\*tch 1.0 0.0 0.0

lab^\*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab^\*lrc 0.75 0.0 0.0

lab^\*tce 1.0 0.0 0.0

lab^\*nCE 0.0 0.0 0.0 -

relative Inform. Technology (IT)

cmy3\* 0.75 0.25 0.25 (0,75)

cmy3\* 0.25 0.25 0.25 (0,0)

cmy4\* 1.0 1.0 1.0 (1,0)

cmy4\* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB\*LAB 71.57 0.0 0.0

LAB\*Tch 71.57 0.0 0.0

LAB\*TchA 99.99 0.01 -

relative CIELAB lab\*

lab^\*lch 0.75 0.0 0.0

lab^\*tch 0.75 0.0 0.0

lab^\*nch 0.75 0.0 0.0

relative Natural Colour (NC)

lab^\*lrc 0.75 0.0 0.0

lab^\*tce 0.75 0.0 0.0

lab^\*nCE 0.25 0.0 0.0 -

relative Inform. Technology (IT)

cmy3\* 0.5 0.5 0.5 (1,0)

cmy3\* 0.5 0.5 0.5 (0,0)

cmy4\* 1.0 1.0 1.0 (1,0)

cmy4\* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB\*LAB 47.72 0.0 0.0

LAB\*Tch 47.72 0.0 0.0

LAB\*TchA 50.01 0.0 0.0

relative CIELAB lab\*

lab^\*lch 0.75 0.0 0.0

lab^\*tch 0.75 0.0 0.0

lab^\*nch 0.75 0.0 0.0

relative Natural Colour (NC)

lab^\*lrc 0.75 0.0 0.0

lab^\*tce 0.75 0.0 0.0

lab^\*nCE 0.5 0.0 0.0 -

relative Inform. Technology (IT)

cmy3\* 0.75 0.75 0.75 (0,75)

cmy3\* 0.25 0.25 0.25 (0,0)

cmy4\* 1.0 1.0 1.0 (1,0)

cmy4\* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB\*LAB 23.87 0.0 0.0

LAB\*Tch 23.87 0.0 0.0

LAB\*TchA 23.87 0.0 0.0

relative CIELAB lab\*

lab^\*lch 0.25 0.0 0.0

lab^\*tch 0.25 0.0 0.0

lab^\*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab^\*lrc 0.25 0.0 0.0

lab^\*tce 0.25 0.0 0.0

lab^\*nCE 0.75 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 <sub>Ma</sub>	50.5	76.92	64.55	100.42	40
Y <sub>Ma</sub>	92.66	-20.69	90.75	93.08	103
L <sub>Ma</sub>	83.63	-82.75	79.9	115.04	136
C <sub>Ma</sub>	86.88	-46.16	-13.55	48.12	196
V <sub>Ma</sub>	30.39	76.06	-103.59	128.52	306
M <sub>Ma</sub>	57.3	94.35	-58.41	110.97	328
N <sub>Ma</sub>	0.01	0.0	0.0	0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

## Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Bunton  $h^* = lab^*h = 196/360 = 0.545$

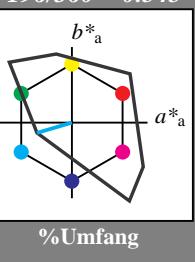
$lab^*tch$  und  $lab^*nch$

D65: Bunton C

LCH\*Ma: 87 48 196

olv\*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit  $t^*$



relative Inform. Technology (IT)

cmy3\* 1.0 1.0 1.0 (1,0)

cmy3\* 0.0 0.0 0.0 (0,0)

cmy4\* 1.0 1.0 1.0 (1,0)

cmy4\* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB\*LAB 93.27 11.53 -3.38

LAB\*LAB 93.27 11.53 -3.38

LAB\*Tch 87.5 12.03 196.37

relative CIELAB lab\*

lab^\*lch 0.978 0.239 -0.069

lab^\*tch 0.75 1.0 0.0

lab^\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab^\*lrc 0.978 -0.22 -0.117

lab^\*tce 0.875 0.25 0.578

lab^\*nCE 0.25 0.25 g31b

relative Inform. Technology (IT)

cmy3\* 0.75 0.25 0.25 (0,75)

cmy3\* 0.25 0.25 0.25 (0,0)

cmy4\* 1.0 1.0 1.0 (1,0)

cmy4\* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB\*LAB 91.14 23.07 -6.77

LAB\*Tch 87.5 12.03 196.37

relative CIELAB lab\*

lab^\*lch 0.978 -0.22 -0.117

lab^\*tch 0.75 0.25 0.578

lab^\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab^\*lrc 0.955 -0.44 -0.234

lab^\*tce 0.875 0.25 0.578

lab^\*nCE 0.25 0.25 g31b

relative Inform. Technology (IT)

cmy3\* 0.5 0.25 0.25 (0,5)

cmy3\* 0.25 0.25 0.25 (0,0)

cmy4\* 1.0 1.0 1.0 (1,0)

cmy4\* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB\*LAB 91.14 23.07 -6.77

LAB\*Tch 87.5 12.03 196.37

relative CIELAB lab\*

lab^\*lch 0.978 -0.22 -0.117

lab^\*tch 0.75 0.25 0.578

lab^\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab^\*lrc 0.955 -0.44 -0.234

lab^\*tce 0.875 0.25 0.578

lab^\*nCE 0.25 0.25 g31b

relative Inform. Technology (IT)

cmy3\* 0.25 0.25 0.25 (0,25)

cmy3\* 0.25 0.25 0.25 (0,0)

cmy4\* 1.0 1.0 1.0 (1,0)

cmy4\* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB\*LAB 91.14 23.07 -6.77

LAB\*Tch 87.5 12.03 196.37

relative CIELAB lab\*

lab^\*lch 0.978 -0.22 -0.117

lab^\*tch 0.75 0.25 0.578

lab^\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab^\*lrc 0.955 -0.44 -0.234

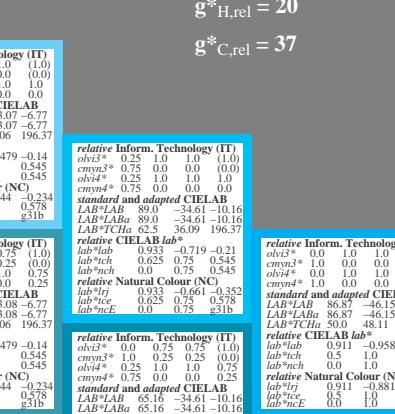
lab^\*tce 0.875 0.25 0.578

lab^\*nCE 0.25 0.25 g31b

n\* = 1,0

## TLS00; adaptierte CIELAB-Daten

	$L^*=L_a^*$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	50.5	76.92	64.55	100.42	40
Y <sub>Ma</sub>	92.66	-20.69	90.75	93.08	103
L <sub>Ma</sub>	83.63	-82.75	79.9	115.04	136
C <sub>Ma</sub>	86.88	-46.16	-13.55	48.12	196
V <sub>Ma</sub>	30.39	76.06	-103.59	128.52	306
M <sub>Ma</sub>	57.3	94.35	-58.41	110.97	328
N <sub>Ma</sub>	0.01	0.0	0.0	0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272



relative Inform. Technology (IT)

cmy3\* 1.0 1.0 1.0 (1,0)

cmy3\* 0.0 0.0 0.0 (0,0)

cmy4\* 1.0 1.0 1.0 (1,0)

cmy4\* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB\*LAB 93.27 11.53 -3.38

LAB\*LAB 93.27 11.53 -3.38

LAB\*Tch 87.5 12.03 196.37

relative CIELAB lab\*

lab^\*lch 0.978 -0.22 -0.117

lab^\*tch 0.75 0.25 0.578

lab^\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab^\*lrc 0.955 -0.44 -0.234

lab^\*tce 0.875 0.25 0.578

lab^\*nCE 0.25 0.25 g31b

relative Inform. Technology (IT)

BAM-Registrierung: 20060101-OG54/10L/L54G04NP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

Siehe ähnliche Dateien: <http://www.ps.bam.de/OG54/>

Technische Information: <http://www.ps.bam.de>

Version 2.1, io=0



### Eingabe: Farbmétrisches Fernseh-Licht-System TLS00

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

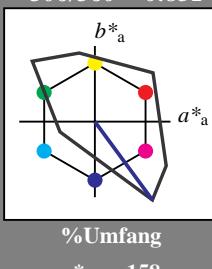
$lab^*tch$  und  $lab^*nch$

D65: Bunton V

LCH\*Ma: 30 129 306

olv\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



### TLS00; adaptierte CIELAB-Daten

	$L^*=L_a^*$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	50.5	76.92	64.55	100.42	40
Y <sub>Ma</sub>	92.66	-20.69	90.75	93.08	103
L <sub>Ma</sub>	83.63	-82.75	79.9	115.04	136
C <sub>Ma</sub>	86.88	-46.16	-13.55	48.12	196
V <sub>Ma</sub>	30.39	76.06	-103.59	128.52	306
M <sub>Ma</sub>	57.3	94.35	-58.41	110.97	328
N <sub>Ma</sub>	0.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

relative Inform. Technology (IT)	0.1	1.0	1.0	(1.0)
cmy3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	0.0	0.0	0.0
cmy4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*TChA	99.99	0.01	-	
relative CIELAB lab*				
lab*tch	0.5	0.0	0.0	
lab*nch	1.0	0.0	-	
lab*rc	0.0	1.0	0.0	
lab*ncE	0.0	0.0	-	

relative Inform. Technology (IT)	0.5	0.5	0.5	(1.0)
cmy3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	0.75	
cmy4*	0.0	0.0	0.25	
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*TChA	71.57	0.0	0.0	
relative CIELAB lab*				
lab*tch	0.75	0.0	0.0	
lab*nch	0.75	0.0	-	
lab*rc	0.75	0.0	0.0	
lab*ncE	0.25	0.0	-	

relative Inform. Technology (IT)	0.5	0.5	0.5	(1.0)
cmy3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	0.75	
cmy4*	0.0	0.0	0.25	
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*TChA	50.01	0.0	0.0	
relative CIELAB lab*				
lab*tch	0.5	0.0	0.0	
lab*nch	0.75	0.0	-	
lab*rc	0.75	0.0	0.0	
lab*ncE	0.25	0.0	-	

relative Inform. Technology (IT)	0.5	0.5	0.5	(1.0)
cmy3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	0.75	
cmy4*	0.0	0.0	0.25	
standard and adapted CIELAB				
LAB*LAB	23.87	0.0	0.0	
LAB*TChA	23.87	0.0	0.0	
relative CIELAB lab*				
lab*tch	0.25	0.0	0.0	
lab*nch	0.75	0.0	-	
lab*rc	0.25	0.0	0.0	
lab*ncE	0.25	0.0	-	

$n^* = 1,0$

$n^* = 0,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$



BAM-Registrierung: 20060101-OG54/10L/L54G06NP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

/OG54/ Form: 7/10, Seite: 1/1, Seite: 7 Seitenzählnung 7

Siehe ähnliche Dateien: <http://www.ps.bam.de/OG54/>



Eingabe: Farbmétrisches Fernseh-Licht-System TLS00

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

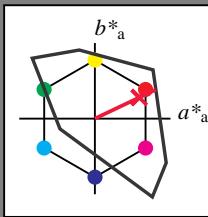
$lab^*tch$  und  $lab^*nch$

D65: Bunton R

LCH\*Ma: 52 89 25

olv\*Ma: 1.0 0.0 0.21

Dreiecks-Helligkeit  $t^*$



relative Inform. Technology (IT)

cmy3\* 1.0 1.0 1.0 (1.0)

cmy3\* 0.0 0.0 0.0 (0.0)

olv3\* 1.0 1.0 1.0 (0.0)

cmy4\* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB\*LAB 95.41 0.0 0.0

LAB\*TChla 99.99 0.01

-

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 1.0 0.0 0.0

-

relative Natural Colour (NC)

lab\*irj 1.0 0.0 0.0

lab\*ice 1.0 0.0 0.0

lab\*nCE 0.0 0.0 0.0

relative Inform. Technology (ID)

olv3\* 0.75 0.25 0.75 (1.0)

cmy3\* 0.25 0.25 0.25 (0.0)

olv4\* 1.0 1.0 1.0 (0.75)

cmy4\* 0.0 0.0 0.0 (0.25)

standard and adapted CIELAB

LAB\*LAB 71.57 0.0 0.0

LAB\*TChla 71.57 0.0 0.0

LAB\*TChla 71.57 0.0 0.01

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 0.75 0.0 0.0

-

relative Natural Colour (NC)

lab\*irj 0.75 0.0 0.0

lab\*ice 0.75 0.0 0.0

lab\*nCE 0.25 0.0 0.0

relative Inform. Technology (IT)

olv3\* 0.5 0.5 0.5 (1.0)

cmy3\* 0.5 0.5 0.5 (0.0)

olv4\* 0.5 0.5 0.5 (0.5)

cmy4\* 0.0 0.0 0.0 (0.5)

standard and adapted CIELAB

LAB\*LAB 47.72 0.0 0.0

LAB\*TChla 47.72 0.0 0.0

LAB\*TChla 47.72 0.0 0.01

relative CIELAB lab\*

lab\*tch 0.5 0.0 0.0

lab\*nch 0.5 0.0 0.0

-

relative Natural Colour (NC)

lab\*irj 0.25 0.0 0.0

lab\*ice 0.25 0.0 0.0

lab\*nCE 0.75 0.0 0.0

relative Inform. Technology (IT)

olv3\* 0.75 0.75 0.75 (0.0)

olv4\* 1.0 1.0 1.0 (0.25)

cmy4\* 0.0 0.0 0.0 (0.75)

standard and adapted CIELAB

LAB\*LAB 23.87 0.0 0.0

LAB\*TChla 23.87 0.0 0.0

LAB\*TChla 23.87 0.0 0.01

relative CIELAB lab\*

lab\*tch 0.25 0.0 0.0

lab\*nch 0.25 0.0 0.0

-

relative Natural Colour (NC)

lab\*irj 0.25 0.0 0.0

lab\*ice 0.25 0.0 0.0

lab\*nCE 0.75 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 <sub>Ma</sub>	50.5	76.92	64.55	100.42	40
Y <sub>Ma</sub>	92.66	-20.69	90.75	93.08	103
L <sub>Ma</sub>	83.63	-82.75	79.9	115.04	136
C <sub>Ma</sub>	86.88	-46.16	-13.55	48.12	196
V <sub>Ma</sub>	30.39	76.06	-103.59	128.52	306
M <sub>Ma</sub>	57.3	94.35	-58.41	110.97	328
N <sub>Ma</sub>	0.01	0.0	0.0	0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

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

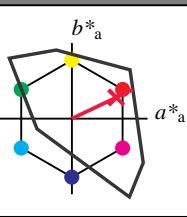
$lab^*tch$  und  $lab^*nch$

D65: Bunton R

LCH\*Ma: 52 89 25

olv\*Ma: 1.0 0.0 0.21

Dreiecks-Helligkeit  $t^*$



relative Inform. Technology (IT)

cmy3\* 1.0 0.75 0.803 (1.0)

cmy3\* 0.0 0.0 0.0 (0.0)

olv4\* 1.0 0.75 0.803 1.0

cmy4\* 0.0 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 84.54 20.15 9.6

LAB\*TChla 84.54 20.15 9.6

LAB\*TChla 84.54 20.15 9.6

relative CIELAB lab\*

lab\*tch 0.886 0.226 0.107

lab\*nch 0.875 0.25 0.071

-

relative Natural Colour (NC)

lab\*irj 0.875 0.25 0.071

lab\*ice 0.875 0.25 0.071

lab\*nCE 0.875 0.25 0.071

relative Inform. Technology (II)

olv3\* 1.0 0.25 0.459 (1.0)

cmy3\* 0.0 0.5 0.591 (0.0)

olv4\* 0.0 0.25 0.459 0.75

cmy4\* 0.0 0.25 0.459 0.25

standard and adapted CIELAB

LAB\*LAB 73.67 40.3 19.2

LAB\*TChla 73.67 40.3 19.2

LAB\*TChla 73.67 40.3 19.2

relative CIELAB lab\*

lab\*tch 0.772 0.451 0.215

lab\*nch 0.765 0.48 0.071

-

relative Natural Colour (NC)

lab\*irj 0.772 0.5 0.0

standard and adapted CIELAB

LAB\*LAB 62.81 20.16 9.6

LAB\*TChla 62.81 20.16 9.6

LAB\*TChla 62.81 20.16 9.6

relative CIELAB lab\*

lab\*tch 0.688 0.226 0.107

lab\*nch 0.681 0.25 0.071

-

relative Inform. Technology (II)

olv3\* 0.5 0.25 0.459 (1.0)

cmy3\* 0.25 0.5 0.646 (0.0)

olv4\* 0.25 0.25 0.459 0.75

cmy4\* 0.0 0.25 0.459 0.25

standard and adapted CIELAB

LAB\*LAB 50.50 0.0 0.0

LAB\*TChla 50.50 0.0 0.0

LAB\*TChla 50.50 0.0 0.0

relative CIELAB lab\*

lab\*tch 0.592 0.226 0.108

lab\*nch 0.585 0.25 0.071

-

relative Inform. Technology (II)

olv3\* 0.5 0.25 0.459 (1.0)

cmy3\* 0.25 0.5 0.646 (0.0)

olv4\* 0.25 0.25 0.459 0.75

cmy4\* 0.0 0.25 0.459 0.25

standard and adapted CIELAB

LAB\*LAB 44.65 23.5 25.48

LAB\*TChla 44.65 23.5 25.48

LAB\*TChla 44.65 23.5 25.48

relative CIELAB lab\*

lab\*tch 0.636 0.226 0.108

lab\*nch 0.629 0.25 0.071

-

relative Inform. Technology (II)

olv3\* 0.5 0.25 0.459 (1.0)

cmy3\* 0.25 0.5 0.646 (0.0)

olv4\* 0.25 0.25 0.459 0.75

cmy4\* 0.0 0.25 0.459 0.25

standard and adapted CIELAB

LAB\*LAB 43.11 20.16 9.6

LAB\*TChla 43.11 20.16 9.6

LAB\*TChla 43.11 20.16 9.6

relative CIELAB lab\*

lab\*tch 0.625 0.226 0.108

lab\*nch 0.618 0.25 0.071

-

relative Inform. Technology (II)

olv3\* 0.5 0.25 0.459 (1.0)

cmy3\* 0.25 0.5 0.646 (0.0)

olv4\* 0.25 0.25 0.459 0.75

cmy4\* 0.0 0.25 0.459 0.25

standard and adapted CIELAB

LAB\*LAB 42.57 20.16 9.6

LAB\*TChla 42.57 20.16 9.6

LAB\*TChla 42.57 20.16 9.6

relative CIELAB lab\*

lab\*tch 0.618 0.226 0.108

lab\*nch 0.611 0.25 0.071

-

relative Inform. Technology (II)

olv3\* 0.5 0.25 0.459 (1.0)

cmy3\* 0.25 0.5 0.646 (0.0)

olv4\* 0.25 0.25 0.459 0.75

cmy4\* 0.0 0.25 0.459 0.25

standard and adapted CIELAB

LAB\*LAB 41.61 20.16 9.6

LAB\*TChla 41.61 20.16 9.6

LAB\*TChla 41.61 20.16 9.6

relative CIELAB lab\*

lab\*tch 0.611 0.226 0.108

lab\*nch 0.604 0.25 0.071

-

relative Inform. Technology (II)

olv3\* 0.5 0.25 0.459 (1.0)

cmy3\* 0.25 0.5 0.646 (0.0)

olv4\* 0.25 0.25 0.459 0.75

cmy4\* 0.0 0.25 0.459 0.25

standard and adapted CIELAB

LAB\*LAB 40.99 20.16 9.6

LAB\*TChla 40.99 20.16 9.6

LAB\*TChla 40.99 20.16 9.6

relative CIELAB lab\*

lab\*tch 0.604 0.226 0.108

lab\*nch 0.601 0.25 0.071

BAM-Registrierung: 20060101-OG54/10L/L54G07NP.PS/.PDF  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

OG54/ Form: 8/10, Seite: 1/1, Seite: 8

Seitenzählnum. 8



**Eingabe:** Farbmétrisches Fernseh-Licht-System TLS00  
für Bunton  $h^* = lab^*h = 92/360 = 0.256$

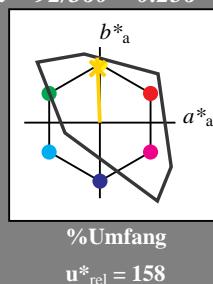
$lab^*tch$  und  $lab^*nch$

D65: Bunton 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 <sub>Ma</sub>	50.5	76.92	64.55	100.42	40
Y <sub>Ma</sub>	92.66	-20.69	90.75	93.08	103
L <sub>Ma</sub>	83.63	-82.75	79.9	115.04	136
C <sub>Ma</sub>	86.88	-46.16	-13.55	48.12	196
V <sub>Ma</sub>	30.39	76.06	-103.59	128.52	306
M <sub>Ma</sub>	57.3	94.35	-58.41	110.97	328
N <sub>Ma</sub>	0.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

relative Inform. Technology (IT)  
 $olv^{*3}$  1.0 1.0 1.0 (1.0)  
 $cmy^{*3}$  0.0 0.0 0.0 (0.0)  
 $olv^{*4}$  1.0 1.0 1.0 (1.0)  
 $cmy^{*4}$  0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 95.41 0.0 0.0  
LAB\*TCh 99.99 0.01 -  
LAB\*TChA 99.99 0.01 -

relative CIELAB lab\*  
lab\*tch 0.75 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
lab\*irj 0.75 0.0 0.0  
lab\*ice 1.0 0.0 0.0  
lab\*nce 0.0 0.0 0.0 -

relative Inform. Technology (ID)  
 $olv^{*3}$  0.75 0.25 0.75 (1.0)  
 $cmy^{*3}$  0.25 0.25 0.25 (0.0)  
 $olv^{*4}$  1.0 1.0 1.0 (1.0)  
 $cmy^{*4}$  0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 71.57 0.0 0.0  
LAB\*TCh 71.57 0.0 0.0  
LAB\*TChA 71.57 0.0 0.0 -

relative CIELAB lab\*  
lab\*tch 0.75 0.0 0.0  
lab\*nch 0.75 0.0 0.0  
relative Natural Colour (NC)  
lab\*irj 0.75 0.0 0.0  
lab\*ice 0.75 0.0 0.0  
lab\*nce 0.25 0.0 -

relative Inform. Technology (IT)  
 $olv^{*3}$  0.75 0.70 0.6 (1.0)  
 $cmy^{*3}$  0.25 0.29 0.5 (0.0)  
 $olv^{*4}$  1.0 0.94 0.75 (1.0)  
 $cmy^{*4}$  0.0 0.04 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 69.01 -0.86 21.53  
LAB\*TCh 69.01 -0.86 21.53  
LAB\*TChA 69.01 -0.86 21.53

relative CIELAB lab\*  
lab\*tch 0.723 0.0 0.0  
lab\*nch 0.25 0.0 0.256  
relative Natural Colour (NC)  
lab\*irj 0.723 0.0 0.256  
standard and adapted CIELAB  
LAB\*LAB 66.47 -1.73 43.06  
LAB\*TCh 66.47 -1.73 43.06  
LAB\*TChA 66.47 -1.73 43.06

relative CIELAB lab\*  
lab\*tch 0.723 0.0 0.0  
lab\*nch 0.25 0.0 0.256  
relative Natural Colour (NC)  
lab\*irj 0.723 0.0 0.256  
standard and adapted CIELAB  
LAB\*LAB 66.47 -1.73 43.06  
LAB\*TCh 66.47 -1.73 43.06  
LAB\*TChA 66.47 -1.73 43.06

relative CIELAB lab\*  
lab\*tch 0.723 0.0 0.0  
lab\*nch 0.25 0.0 0.256  
relative Natural Colour (NC)  
lab\*irj 0.723 0.0 0.256  
standard and adapted CIELAB  
LAB\*LAB 66.47 -1.73 43.06  
LAB\*TCh 66.47 -1.73 43.06  
LAB\*TChA 66.47 -1.73 43.06

relative CIELAB lab\*  
lab\*tch 0.723 0.0 0.0  
lab\*nch 0.25 0.0 0.256  
relative Natural Colour (NC)  
lab\*irj 0.723 0.0 0.256  
standard and adapted CIELAB  
LAB\*LAB 66.47 -1.73 43.06  
LAB\*TCh 66.47 -1.73 43.06  
LAB\*TChA 66.47 -1.73 43.06

relative CIELAB lab\*  
lab\*tch 0.723 0.0 0.0  
lab\*nch 0.25 0.0 0.256  
relative Natural Colour (NC)  
lab\*irj 0.723 0.0 0.256  
standard and adapted CIELAB  
LAB\*LAB 66.47 -1.73 43.06  
LAB\*TCh 66.47 -1.73 43.06  
LAB\*TChA 66.47 -1.73 43.06

relative CIELAB lab\*  
lab\*tch 0.723 0.0 0.0  
lab\*nch 0.25 0.0 0.256  
relative Natural Colour (NC)  
lab\*irj 0.723 0.0 0.256  
standard and adapted CIELAB  
LAB\*LAB 66.47 -1.73 43.06  
LAB\*TCh 66.47 -1.73 43.06  
LAB\*TChA 66.47 -1.73 43.06

relative CIELAB lab\*  
lab\*tch 0.723 0.0 0.0  
lab\*nch 0.25 0.0 0.256  
relative Natural Colour (NC)  
lab\*irj 0.723 0.0 0.256  
standard and adapted CIELAB  
LAB\*LAB 66.47 -1.73 43.06  
LAB\*TCh 66.47 -1.73 43.06  
LAB\*TChA 66.47 -1.73 43.06

$n^* = 1,0$

OG540-7,5 stufige Reihen für konstanten CIELAB Bunton 92/360 = 0.256 (links)

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

**relative Buntheit  $c^*$**

Schwarzheit  $n^*$

**relative Buntheit  $c^*$**

**Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00**

für Bunton  $h^* = lab^*h = 92/360 = 0.256$

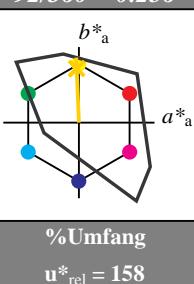
$lab^*tch$  und  $lab^*nch$

D65: Bunton 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 <sub>Ma</sub>	50.5	76.92	64.55	100.42	40
Y <sub>Ma</sub>	92.66	-20.69	90.75	93.08	103
L <sub>Ma</sub>	83.63	-82.75	79.9	115.04	136
C <sub>Ma</sub>	86.88	-46.16	-13.55	48.12	196
V <sub>Ma</sub>	30.39	76.06	-103.59	128.52	306
M <sub>Ma</sub>	57.3	94.35	-58.41	110.97	328
N <sub>Ma</sub>	0.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

relative Inform. Technology (IT)  
 $olv^{*3}$  1.0 0.956 0.75 (1.0)  
 $cmy^{*3}$  0.0 0.04 0.25 (0.0)  
 $olv^{*4}$  1.0 0.956 0.75 1.0  
 $cmy^{*4}$  0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 92.88 -0.87 21.53  
LAB\*TCh 92.88 -0.87 21.53  
LAB\*TChA 92.88 -0.87 21.53

relative CIELAB lab\*  
lab\*tch 1.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*irj 1.0 0.0 0.0  
lab\*ice 1.0 0.0 0.0  
lab\*nce 0.0 0.0 0.0 -

relative Inform. Technology (ID)  
 $olv^{*3}$  0.75 0.25 0.75 (1.0)  
 $cmy^{*3}$  0.25 0.25 0.25 (0.0)  
 $olv^{*4}$  1.0 1.0 1.0 (1.0)  
 $cmy^{*4}$  0.0 0.08 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 71.57 0.0 0.0  
LAB\*TCh 71.57 0.0 0.0  
LAB\*TChA 71.57 0.0 0.0 -

relative CIELAB lab\*  
lab\*tch 0.947 -0.019 0.499  
lab\*nch 0.875 0.25 0.256  
relative Natural Colour (NC)  
lab\*irj 0.947 0.0 0.5  
lab\*ice 0.875 0.25 0.256  
lab\*nce 0.0 0.25 0.00g

relative CIELAB lab\*  
lab\*tch 0.947 -0.019 0.499  
lab\*nch 0.875 0.25 0.256  
relative Natural Colour (NC)  
lab\*irj 0.947 0.0 0.5  
lab\*ice 0.875 0.25 0.256  
lab\*nce 0.0 0.25 0.00g

relative CIELAB lab\*  
lab\*tch 0.947 -0.019 0.499  
lab\*nch 0.875 0.25 0.256  
relative Natural Colour (NC)  
lab\*irj 0.947 0.0 0.5  
lab\*ice 0.875 0.25 0.256  
lab\*nce 0.0 0.25 0.00g

relative CIELAB lab\*  
lab\*tch 0.947 -0.019 0.499  
lab\*nch 0.875 0.25 0.256  
relative Natural Colour (NC)  
lab\*irj 0.947 0.0 0.5  
lab\*ice 0.875 0.25 0.256  
lab\*nce 0.0 0.25 0.00g

relative CIELAB lab\*  
lab\*tch 0.947 -0.019 0.499  
lab\*nch 0.875 0.25 0.256  
relative Natural Colour (NC)  
lab\*irj 0.947 0.0 0.5  
lab\*ice 0.875 0.25 0.256  
lab\*nce 0.0 0.25 0.00g

relative CIELAB lab\*  
lab\*tch 0.947 -0.019 0.499  
lab\*nch 0.875 0.25 0.256  
relative Natural Colour (NC)  
lab\*irj 0.947 0.0 0.5  
lab\*ice 0.875 0.25 0.256  
lab\*nce 0.0 0.25 0.00g

relative CIELAB lab\*  
lab\*tch 0.947 -0.019 0.499  
lab\*nch 0.875 0.25 0.256  
relative Natural Colour (NC)  
lab\*irj 0.947 0.0 0.5  
lab\*ice 0.875 0.25 0.256  
lab\*nce 0.0 0.25 0.00g

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,00$

**relative Buntheit  $c^*$**

Schwarzheit  $n^*$

**relative Buntheit  $c^*$**

<b

BAM-Registrierung: 20060101-OG54/10L/L54G08NP.PS/.PDF  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

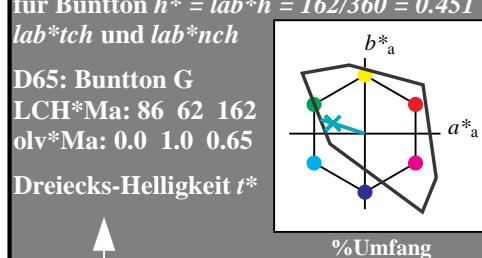
/OG54/ Form: 9/10, Seite: 1/1, Seite: 9

Seitenzählnum. 9

Siehe ähnliche Dateien: <http://www.ps.bam.de/OG54/>

Technische Information: <http://www.ps.bam.de> Version 2.1, io=0

Eingabe: Farbmétrisches Fernseh-Licht-System TLS00  
für Bunton  $h^* = lab^*h = 162/360 = 0.451$



TLS00; adaptierte CIELAB-Daten

	$L^*=L_a^*$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	50.5	76.92	64.55	100.42	40
Y <sub>Ma</sub>	92.66	-20.69	90.75	93.08	103
L <sub>Ma</sub>	83.63	-82.75	79.9	115.04	136
C <sub>Ma</sub>	86.88	-46.16	-13.55	48.12	196
V <sub>Ma</sub>	30.39	76.06	-103.59	128.52	306
M <sub>Ma</sub>	57.3	94.35	-58.41	110.97	328
N <sub>Ma</sub>	0.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

relative Inform. Technology (IT)

cmyn3\* 0.0 0.0 0.0 (0.0)

olv4\* 0.0 0.0 0.0 (0.0)

cmy4\* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB\*LAB 95.41 0.0 0.0

LAB\*TChA 99.99 0.01 0.0

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*irj 0.75 0.0 0.0

lab\*ice 1.0 0.0 0.0

lab\*nCE 0.0 0.0 0.0

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*irj 0.75 0.0 0.0

lab\*ice 1.0 0.0 0.0

lab\*nCE 0.0 0.0 0.0

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*irj 0.75 0.0 0.0

lab\*ice 1.0 0.0 0.0

lab\*nCE 0.0 0.0 0.0

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*irj 0.75 0.0 0.0

lab\*ice 1.0 0.0 0.0

lab\*nCE 0.0 0.0 0.0

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*irj 0.75 0.0 0.0

lab\*ice 1.0 0.0 0.0

lab\*nCE 1.0 0.0 0.0

n\* = 1,0

relative Inform. Technology (IT)

cmyn3\* 0.25 0.25 0.25 (0.0)

olv4\* 0.1 0.1 0.75 (0.0)

cmy4\* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB\*LAB 71.57 0.0 0.0

LAB\*TChA 99.99 0.01 0.0

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*irj 0.75 0.0 0.0

lab\*ice 1.0 0.0 0.0

lab\*nCE 0.0 0.0 0.0

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*irj 0.75 0.0 0.0

lab\*ice 1.0 0.0 0.0

lab\*nCE 0.0 0.0 0.0

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*irj 0.75 0.0 0.0

lab\*ice 1.0 0.0 0.0

lab\*nCE 0.0 0.0 0.0

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*irj 0.75 0.0 0.0

lab\*ice 1.0 0.0 0.0

lab\*nCE 0.0 0.0 0.0

n\* = 0,25

relative Inform. Technology (IT)

cmyn3\* 0.25 0.25 0.25 (0.0)

olv4\* 0.1 0.1 0.75 (0.0)

cmy4\* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB\*LAB 69.15 0.0 0.0

LAB\*TChA 99.99 0.01 0.0

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*irj 0.75 0.0 0.0

lab\*ice 1.0 0.0 0.0

lab\*nCE 0.0 0.0 0.0

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*irj 0.75 0.0 0.0

lab\*ice 1.0 0.0 0.0

lab\*nCE 0.0 0.0 0.0

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*irj 0.75 0.0 0.0

lab\*ice 1.0 0.0 0.0

lab\*nCE 0.0 0.0 0.0

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*irj 0.75 0.0 0.0

lab\*ice 1.0 0.0 0.0

lab\*nCE 0.0 0.0 0.0

n\* = 0,50

TLS00; adaptierte CIELAB-Daten

	$L^*=L_a^*$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	50.5	76.92	64.55	100.42	40
Y <sub>Ma</sub>	92.66	-20.69	90.75	93.08	103
L <sub>Ma</sub>	83.63	-82.75	79.9	115.04	136
C <sub>Ma</sub>	86.88	-46.16	-13.55	48.12	196
V <sub>Ma</sub>	30.39	76.06	-103.59	128.52	306
M <sub>Ma</sub>	57.3	94.35	-58.41	110.97	328
N <sub>Ma</sub>	0.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

relative Inform. Technology (IT)

cmyn3\* 0.25 0.25 0.25 (0.0)

olv4\* 0.1 0.1 0.75 (0.0)

cmy4\* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB\*LAB 66.73 0.0 0.0

LAB\*TChA 99.99 0.01 0.0

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*irj 0.75 0.0 0.0

lab\*ice 1.0 0.0 0.0

lab\*nCE 0.0 0.0 0.0

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*irj 0.75 0.0 0.0

lab\*ice 1.0 0.0 0.0

lab\*nCE 0.0 0.0 0.0

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*irj 0.75 0.0 0.0

lab\*ice 1.0 0.0 0.0

lab\*nCE 0.0 0.0 0.0

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*irj 0.75 0.0 0.0

lab\*ice 1.0 0.0 0.0

lab\*nCE 0.0 0.0 0.0

n\* = 0,00

n\* = 1,00

n\* = 0,00

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00  
für Bunton  $h^* = lab^*h = 162/360 = 0.451$

lab\*tch und lab\*nch

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

Dreiecks-Helligkeit  $t^*$

%Umfang

$u^*_{rel} = 158$

%Regularität

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

%Regularität

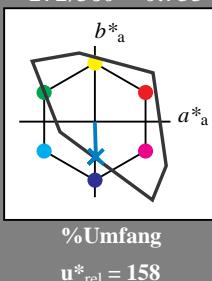
$g^*_{C,rel} = 37$

n\* = 1,0

n\* = 0,00

n\* = 0,00

n

**Eingabe: Farbmatisches Fernseh-Licht-System TLS00**für Bunnton  $h^* = lab^*h = 272/360 = 0.755$  $lab^*tch$  und  $lab^*nch$ **D65: Bunnton B****LCH\*Ma: 65 49 272****olv\*Ma: 0.0 0.61 1.0****Dreiecks-Helligkeit  $t^*$** **TLS00; adaptierte CIELAB-Daten**

	$L^*=L_a^*$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	50.5	76.92	64.55	100.42	40
Y <sub>Ma</sub>	92.66	-20.69	90.75	93.08	103
L <sub>Ma</sub>	83.63	-82.75	79.9	115.04	136
C <sub>Ma</sub>	86.88	-46.16	-13.55	48.12	196
V <sub>Ma</sub>	30.39	76.06	-103.59	128.52	306
M <sub>Ma</sub>	57.3	94.35	-58.41	110.97	328
N <sub>Ma</sub>	0.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

relative Inform. Technology (IT)

olv\*3\* 0.0 1.0 1.0 (1.0)

cmy\*3\* 0.0 0.0 0.0 (0.0)

olv\*4\* 0.0 1.0 1.0 (0.0)

cmy\*4\* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB\*LAB 71.57 0.0 0.0

lab\*tch 0.75 0.0 0.0

lab\*nch 0.75 0.0 0.0

lab\*rc 0.75 0.0 0.0

lab\*ncE 0.25 0.0 0.0

relative CIELAB lab\*

lab\*tch 0.75 0.0 0.0

lab\*nch 0.75 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.75 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 63.92 0.37 -12.15

lab\*tch 0.75 0.25 0.00

lab\*nch 0.75 0.25 0.00

relative CIELAB lab\*

lab\*tch 0.67 0.008 -0.249

cmy\*3\* 0.25 0.555 0.75 (1.0)

olv\*3\* 0.5 0.445 0.0 (0.0)

olv\*4\* 0.25 0.555 0.75 (1.0)

cmy\*4\* 0.25 0.555 0.75 (1.0)

relative Natural Colour (NC)

lab\*trj 0.67 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 47.72 0.0 0.0

lab\*tch 0.75 0.0 0.0

lab\*nch 0.75 0.0 0.0

relative CIELAB lab\*

lab\*tch 0.25 0.403 0.5 (1.0)

olv\*3\* 0.75 0.903 1.0 (0.0)

olv\*4\* 0.25 0.403 0.5 (1.0)

cmy\*3\* 0.25 0.403 0.5 (1.0)

cmy\*4\* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB\*LAB 23.87 0.0 0.0

lab\*tch 0.25 0.387 0.0

lab\*nch 0.25 0.387 0.0

relative CIELAB lab\*

lab\*tch 0.25 0.0 0.0

lab\*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.25 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 16.22 0.37 -12.15

lab\*tch 0.25 0.25 0.00

lab\*nch 0.25 0.25 0.00

relative CIELAB lab\*

lab\*tch 0.17 0.008 -0.249

cmy\*3\* 1.0 1.0 1.0 (0.0)

olv\*3\* 0.0 0.0 0.0 (0.0)

olv\*4\* 0.0 0.0 0.0 (0.0)

cmy\*3\* 0.0 0.0 0.0 (0.0)

cmy\*4\* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB\*LAB 0.01 0.01 0.01

lab\*tch 0.0 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative CIELAB lab\*

lab\*tch 0.0 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 0.17 0.008 -0.249

lab\*tch 0.0 0.25 0.00

lab\*nch 0.0 0.25 0.00

relative CIELAB lab\*

lab\*tch 0.0 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 0.17 0.008 -0.249

lab\*tch 0.0 0.25 0.00

lab\*nch 0.0 0.25 0.00

relative CIELAB lab\*

lab\*tch 0.0 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 0.17 0.008 -0.249

lab\*tch 0.0 0.25 0.00

lab\*nch 0.0 0.25 0.00

relative CIELAB lab\*

lab\*tch 0.0 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 0.17 0.008 -0.249

lab\*tch 0.0 0.25 0.00

lab\*nch 0.0 0.25 0.00

relative CIELAB lab\*

lab\*tch 0.0 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 0.17 0.008 -0.249

lab\*tch 0.0 0.25 0.00

lab\*nch 0.0 0.25 0.00

relative CIELAB lab\*

lab\*tch 0.0 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 0.17 0.008 -0.249

lab\*tch 0.0 0.25 0.00

lab\*nch 0.0 0.25 0.00

relative CIELAB lab\*

lab\*tch 0.0 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 0.17 0.008 -0.249

lab\*tch 0.0 0.25 0.00

lab\*nch 0.0 0.25 0.00

relative CIELAB lab\*

lab\*tch 0.0 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 0.17 0.008 -0.249

lab\*tch 0.0 0.25 0.00

lab\*nch 0.0 0.25 0.00

relative CIELAB lab\*

lab\*tch 0.0 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 0.17 0.008 -0.249

lab\*tch 0.0 0.25 0.00

lab\*nch 0.0 0.25 0.00

relative CIELAB lab\*

lab\*tch 0.0 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 0.17 0.008 -0.249

lab\*tch 0.0 0.25 0.00

lab\*nch 0.0 0.25 0.00

relative CIELAB lab\*

lab\*tch 0.0 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 0.17 0.008 -0.249

lab\*tch 0.0 0.25 0.00

lab\*nch 0.0 0.25 0.00

relative CIELAB lab\*

lab\*tch 0.0 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 0.17 0.008 -0.249

lab\*tch 0.0 0.25 0.00

lab\*nch 0.0 0.25 0.00

relative CIELAB lab\*

lab\*tch 0.0 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 0.17 0.008 -0.249

lab\*tch 0.0 0.25 0.00

lab\*nch 0.0 0.25 0.00

relative CIELAB lab\*

lab\*tch 0.0 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 0.17 0.008 -0.249

lab\*tch 0.0 0.25 0.00

lab\*nch 0.0 0.25 0.00

relative CIELAB lab\*

lab\*tch 0.0 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 0.17 0.008 -0.249

lab\*tch 0.0 0.25 0.00

lab\*nch 0.0 0.25 0.00

relative CIELAB lab\*

lab\*tch 0.0 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 0.17 0.008 -0.249

lab\*tch 0.0 0.25 0.00

lab\*nch 0.0 0.25 0.00

relative CIELAB lab\*

lab\*tch 0.0 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*trj 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 0.17 0.008 -0.249

lab\*tch 0.0 0.25 0.00

lab\*nch 0.0 0.25 0.00

relative CIEL