

BAM-Registrierung: 20060101-OG59/10L/L59G01SP.PS./PDF
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

OG59/ Form: 2/10, Seite: 1/1, Seite: 2

Seitenflügel 2

Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

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

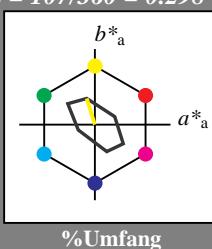
lab^*tch und lab^*nch

D65: Bunton Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang
 $u^*_{rel} = 16$

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} 95.04 2.68 8.65
 LAB^{*TCh} 95.41 2.68 8.65

LAB^{*TCh} 99.99 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 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} 0.0 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} 0.75 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} 0.75 0.0 0.0

n* = 1,0

TLS70; adaptierte CIELAB-Daten

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

%Regularität

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

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

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS70

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

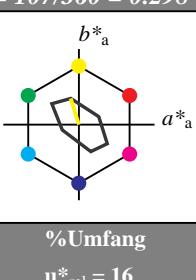
lab^*tch und lab^*nch

D65: Bunton Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang
 $u^*_{rel} = 16$

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} 94.67 -5.37 17.31
 LAB^{*TCh} 95.41 2.5 212

LAB^{*TCh} 99.99 0.0 -

relative CIELAB lab^*

lab^*tch 0.986 -0.081 0.236
 lab^*nch 0.875 0.25 0.304

lab^{*irj} 0.986 -0.081 0.236
 lab^{*ice} 0.875 0.25 0.304

lab^{*nCE} 0.0 0.0 0.0

relative CIELAB lab^*

lab^*tch 0.986 -0.081 0.236
 lab^*nch 0.875 0.25 0.304

lab^{*irj} 0.986 -0.081 0.236
 lab^{*ice} 0.875 0.25 0.304

lab^{*nCE} 0.0 0.0 0.0

relative CIELAB lab^*

lab^*tch 0.986 -0.081 0.236
 lab^*nch 0.875 0.25 0.304

lab^{*irj} 0.986 -0.081 0.236
 lab^{*ice} 0.875 0.25 0.304

lab^{*nCE} 0.0 0.0 0.0

relative CIELAB lab^*

lab^*tch 0.986 -0.081 0.236
 lab^*nch 0.875 0.25 0.304

lab^{*irj} 0.986 -0.081 0.236
 lab^{*ice} 0.875 0.25 0.304

lab^{*nCE} 0.0 0.0 0.0

relative CIELAB lab^*

lab^*tch 0.986 -0.081 0.236
 lab^*nch 0.875 0.25 0.304

lab^{*irj} 0.986 -0.081 0.236
 lab^{*ice} 0.875 0.25 0.304

lab^{*nCE} 0.0 0.0 0.0

relative CIELAB lab^*

lab^*tch 0.986 -0.081 0.236
 lab^*nch 0.875 0.25 0.304

lab^{*irj} 0.986 -0.081 0.236
 lab^{*ice} 0.875 0.25 0.304

lab^{*nCE} 0.0 0.0 0.0

relative CIELAB lab^*

lab^*tch 0.986 -0.081 0.236
 lab^*nch 0.875 0.25 0.304

lab^{*irj} 0.986 -0.081 0.236
 lab^{*ice} 0.875 0.25 0.304

lab^{*nCE} 0.0 0.0 0.0

n* = 1,0

TLS70; adaptierte CIELAB-Daten

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

%Regularität

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

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

relative Inform. Technology (IT)

$cmy3^*$ 0.25 0.25 0.25 (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} 88.98 0.0 0.0
 LAB^{*TCh} 87.5 9.06 107.28

LAB^{*TCh} 99.99 0.0 -

relative CIELAB lab^*

lab^*tch 0.986 -0.072 0.16
 lab^*nch 0.875 0.25 0.304

lab^{*irj} 0.986 -0.072 0.16
 lab^{*ice} 0.875 0.25 0.304

lab^{*nCE} 0.0 0.0 0.0

relative CIELAB lab^*

lab^*tch 0.986 -0.072 0.16
 lab^*nch 0.875 0.25 0.304

lab^{*irj} 0.986 -0.072 0.16
 lab^{*ice} 0.875 0.25 0.304

lab^{*nCE} 0.0 0.0 0.0

relative CIELAB lab^*

lab^*tch 0.986 -0.072 0.16
 lab^*nch 0.875 0.25 0.304

lab^{*irj} 0.986 -0.072 0.16
 lab^{*ice} 0.875 0.25 0.304

lab^{*nCE} 0.0 0.0 0.0

relative CIELAB lab^*

lab^*tch 0.986 -0.072 0.16
 lab^*nch 0.875 0.25 0.304

lab^{*irj} 0.986 -0.072 0.16
 lab^{*ice} 0.875 0.25 0.304

lab^{*nCE} 0.0 0.0 0.0

n* = 1,0

relative CIELAB lab^*

lab^*tch 0.986 -0.072 0.16
 lab^*nch 0.875 0.25 0.304

lab^{*irj} 0.986 -0.072 0.16
 lab^{*ice} 0.875 0.25 0.304

lab^{*nCE} 0.0 0.0 0.0

relative CIELAB lab^*

lab^*tch 0.986 -0.072 0.16
 lab^*nch 0.875 0.25 0.304

lab^{*irj} 0.986 -0.072 0.16
 lab^{*ice} 0.875 0.25 0.304

lab^{*nCE} 0.0 0.0 0.0

n* = 1,0

relative CIELAB lab^*

lab^*tch 0.986 -0.072 0.16
 lab^*nch 0.875 0.25 0.304

lab^{*irj} 0.986 -0.072 0.16
 lab^{*ice} 0.875 0.25 0.304

lab^{*nCE} 0.0 0.0 0.0

relative CIELAB lab^*

lab^*tch 0.986 -0.072 0.16
 lab^*nch 0.875 0.25 0.304

lab^{*irj} 0.986 -0.072 0.16
 lab^{*ice} 0.875 0.25 0.304

lab^{*nCE} 0.0 0.0 0.0

n* = 1,0

relative CIELAB lab^*

lab^*tch 0.986 -0.072 0.16
 lab^*nch 0.875 0.25 0.304

lab^{*irj} 0.986 -0.072 0.16
 lab^{*ice} 0.875 0.25 0.304

lab^{*nCE} 0.0 0.0 0.0

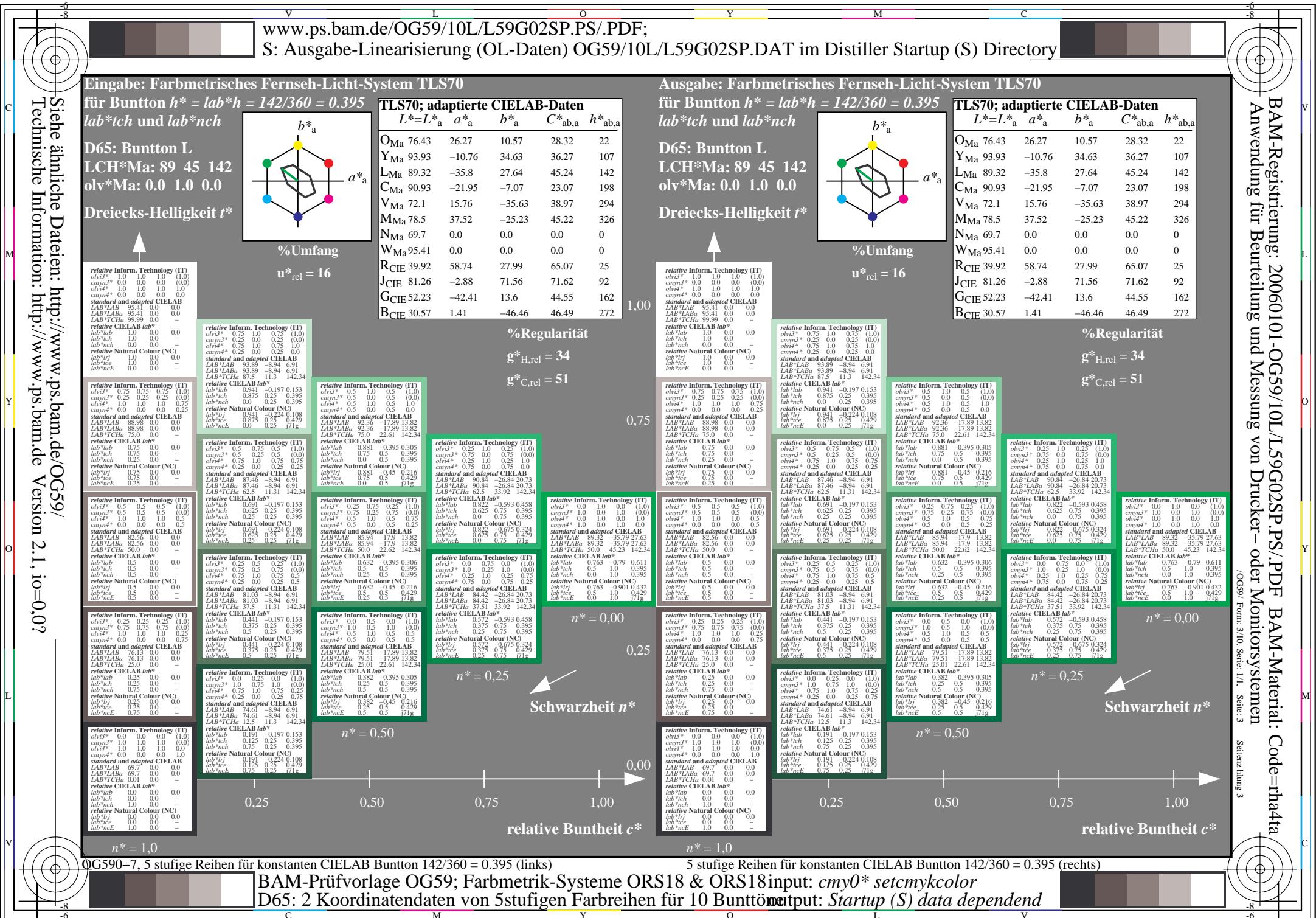
relative CIELAB lab^*

lab^*tch 0.986 -0.072 0.16
 lab^*nch 0.875 0.25 0.304

lab^{*irj} 0.986 -0.072 0.16
 lab^{*ice} 0.875 0.25 0.304

lab^{*nCE} 0.0 0.0 0.0

n* = 1,0</p



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Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

OG59/ Form: 4/10, Seite: 1/1, Seite: 4

Seitenz hlung 4

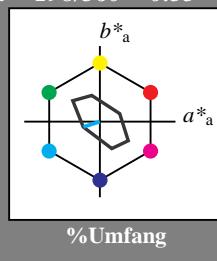


Eingabe: Farbmétrisches Fernseh-Licht-System TLS70
für Bunton $h^* = lab^*h = 198/360 = 0.55$

lab^*tch und lab^*nch

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

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)					
olv1* ^a	1.0	1.0	1.0	(1.0)	
cmy1* ^a	0.0	0.0	0.0	(0.0)	
olv4* ^a	1.0	1.0	1.0	(1.0)	
cmy4* ^a	0.0	0.0	0.0	(0.0)	

standard and adapted CIELAB					
LAB*LAB	88.98	0.0	0.0		
LAB*TChA	99.99	0.0	0.0		
LAB*TChC	99.99	0.0	0.0		
LAB*TChH	99.99	0.0	0.0		

relative CIELAB lab*					
olv1* ^b	0.75	0.75	0.75	(1.0)	
cmy1* ^b	0.25	0.25	0.25	(0.0)	
olv4* ^b	1.0	1.0	1.0	0.75	
cmy4* ^b	0.0	0.0	0.0	0.25	

relative CIELAB lab*					
olv1* ^c	0.5	0.5	0.5	(1.0)	
cmy1* ^c	0.25	0.25	0.25	(0.0)	
olv4* ^c	1.0	1.0	1.0	0.5	
cmy4* ^c	0.0	0.0	0.0	0.5	

$n^* = 1,0$

TLS70; adaptierte CIELAB-Daten

$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O Ma	76.43	26.27	10.57	28.32
Y Ma	93.93	-10.76	34.63	36.27
L Ma	89.32	-35.8	27.64	45.24
C Ma	90.93	-21.95	23.07	198
V Ma	72.1	15.76	-35.63	294
M Ma	78.5	37.52	-25.23	326
N Ma	69.7	0.0	0.0	0
W Ma	95.41	0.0	0.0	0
R CIE	39.92	58.74	27.99	65.07
J CIE	81.26	-2.88	71.56	71.62
G CIE	52.23	-42.41	13.6	44.55
B CIE	30.57	1.41	-46.46	46.49
				272

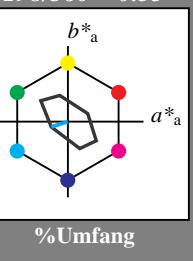
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS70

für Bunton $h^* = lab^*h = 198/360 = 0.55$

lab^*tch und lab^*nch

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

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)					
olv1* ^a	1.0	1.0	1.0	(1.0)	
cmy1* ^a	0.0	0.0	0.0	(0.0)	
olv4* ^a	1.0	1.0	1.0	0.0	
cmy4* ^a	0.0	0.0	0.0	0.0	

standard and adapted CIELAB					
LAB*LAB	89.37	-5.48	-1.76		
LAB*TChA	94.29	-5.48	-1.76		
LAB*TChC	94.29	-5.48	-1.76		
LAB*TChH	94.29	-5.48	-1.76		

relative CIELAB lab*					
olv1* ^b	0.75	0.75	0.75	(1.0)	
cmy1* ^b	0.25	0.25	0.25	(0.0)	
olv4* ^b	1.0	1.0	1.0	0.75	
cmy4* ^b	0.0	0.0	0.0	0.25	

relative CIELAB lab*					
olv1* ^c	0.5	0.5	0.5	(1.0)	
cmy1* ^c	0.25	0.25	0.25	(0.0)	
olv4* ^c	1.0	1.0	1.0	0.5	
cmy4* ^c	0.0	0.0	0.0	0.5	

relative CIELAB lab*					
olv1* ^d	0.25	0.25	0.25	(1.0)	
cmy1* ^d	0.0	0.0	0.0	(0.0)	
olv4* ^d	0.5	0.5	0.5	0.5	
cmy4* ^d	0.0	0.0	0.0	0.5	

relative CIELAB lab*					
olv1* ^e	0.25	0.25	0.25	(1.0)	
cmy1* ^e	0.0	0.0	0.0	(0.0)	
olv4* ^e	0.5	0.5	0.5	0.5	
cmy4* ^e	0.0	0.0	0.0	0.5	

relative CIELAB lab*					
olv1* ^f	0.25	0.25	0.25	(1.0)	
cmy1* ^f	0.0	0.0	0.0	(0.0)	
olv4* ^f	0.5	0.5	0.5	0.5	
cmy4* ^f	0.0	0.0	0.0	0.5	

relative CIELAB lab*					
olv1* ^g	0.25	0.25	0.25	(1.0)	
cmy1* ^g	0.0	0.0	0.0	(0.0)	
olv4* ^g	0.5	0.5	0.5	0.5	
cmy4* ^g	0.0	0.0	0.0	0.5	

relative CIELAB lab*					
olv1* ^h	0.25	0.25	0.25	(1.0)	
cmy1* ^h	0.0	0.0	0.0	(0.0)	
olv4* ^h	0.5	0.5	0.5	0.5	
cmy4* ^h	0.0	0.0	0.0	0.5	

relative CIELAB lab*					
olv1* ⁱ	0.25	0.25	0.25	(1.0)	
cmy1* ⁱ	0.0	0.0	0.0	(0.0)	
olv4* ⁱ	0.5	0.5	0.5	0.5	
cmy4* ⁱ	0.0	0.0	0.0	0.5	

relative CIELAB lab*					
olv1* ^j	0.25	0.25	0.25	(1.0)	
cmy1* ^j	0.0	0.0	0.0	(0.0)	
olv4* ^j	0.5	0.5	0.5	0.5	
cmy4* ^j	0.0	0.0	0.0	0.5	

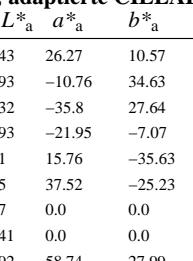
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS70

für Bunton $h^* = lab^*h = 198/360 = 0.55$

lab^*tch und lab^*nch

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

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)					
olv1* ^a	1.0	1.0	1.0	(1.0)	
cmy1* ^a	0.0	0.0	0.0	(0.0)	
olv4* ^a	1.0	1.0	1.0	0.0	
cmy4* ^a	0.0	0.0	0.0	0.0	

standard and adapted CIELAB					
LAB*LAB	88.98	0.0	0.0		
LAB*TChA	88.98	0.0	0.0		
LAB*TChC	88.98	0.0	0.0		
LAB*TChH	88.98	0.0	0.0		

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www.ps.bam.de/OG59/10L/L59G04SP.PS./PDF;

S: Ausgabe-Linearisierung (OL-Daten) OG59/10L/L59G04SP.DAT im Distiller Startup (S) Directory

C

M

M

Y

O

L

V

Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

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

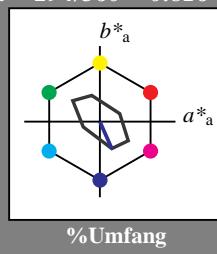
lab^*tch und lab^*nch

D65: Bunton V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



TLS70; adaptierte CIELAB-Daten

	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
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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)	0.1	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	95.10	0.0	0.0	
LAB*TChA	94.41	0.0	0.0	
LAB*TChA	99.99	0.0	0.0	

relative Inform. Technology (ID)	0.75	0.25	0.75	(1.0)
cmy3*	0.25	0.25	0.25	(0.0)
olv3*	1.0	1.0	0.75	
cmy4*	0.0	0.0	0.25	
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	
LAB*TChA	87.50	0.0	0.0	
LAB*TChA	99.99	0.0	0.0	

relative Inform. Technology (IT)	0.75	0.25	0.75	(1.0)
cmy3*	0.25	0.25	0.25	(0.0)
olv3*	1.0	1.0	0.75	
cmy4*	0.0	0.0	0.25	
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	
LAB*TChA	87.50	0.0	0.0	
LAB*TChA	99.99	0.0	0.0	

relative Inform. Technology (IT)	0.5	0.5	0.5	(1.0)
cmy3*	0.5	0.5	0.5	(0.0)
olv3*	0.5	0.5	0.5	(0.0)
cmy4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	82.65	0.0	0.0	
LAB*TChA	81.00	0.0	0.0	
LAB*TChA	50.00	0.0	0.0	

relative CIELAB lab*	0.25	0.0	0.0	-
lab*tch	0.25	0.0	0.0	-
lab*nch	0.25	0.0	0.0	-
lab*irj	0.25	0.0	0.0	-
lab*ice	0.25	0.0	0.0	-
lab*nE	0.25	0.0	0.0	-

relative CIELAB lab*	0.25	0.0	0.0	-
lab*tch	0.25	0.0	0.0	-
lab*nch	0.25	0.0	0.0	-
lab*irj	0.25	0.0	0.0	-
lab*ice	0.25	0.0	0.0	-
lab*nE	0.25	0.0	0.0	-

relative CIELAB lab*	0.25	0.0	0.0	-
lab*tch	0.25	0.0	0.0	-
lab*nch	0.25	0.0	0.0	-
lab*irj	0.25	0.0	0.0	-
lab*ice	0.25	0.0	0.0	-
lab*nE	0.25	0.0	0.0	-

relative CIELAB lab*	0.25	0.0	0.0	-
lab*tch	0.25	0.0	0.0	-
lab*nch	0.25	0.0	0.0	-
lab*irj	0.25	0.0	0.0	-
lab*ice	0.25	0.0	0.0	-
lab*nE	0.25	0.0	0.0	-

relative CIELAB lab*	0.25	0.0	0.0	-
lab*tch	0.25	0.0	0.0	-
lab*nch	0.25	0.0	0.0	-
lab*irj	0.25	0.0	0.0	-
lab*ice	0.25	0.0	0.0	-
lab*nE	0.25	0.0	0.0	-

relative CIELAB lab*	0.25	0.0	0.0	-
lab*tch	0.25	0.0	0.0	-
lab*nch	0.25	0.0	0.0	-
lab*irj	0.25	0.0	0.0	-
lab*ice	0.25	0.0	0.0	-
lab*nE	0.25	0.0	0.0	-

relative CIELAB lab*	0.25	0.0	0.0	-
lab*tch	0.25	0.0	0.0	-
lab*nch	0.25	0.0	0.0	-
lab*irj	0.25	0.0	0.0	-
lab*ice	0.25	0.0	0.0	-
lab*nE	0.25	0.0	0.0	-

relative CIELAB lab*	0.25	0.0	0.0	-
lab*tch	0.25	0.0	0.0	-
lab*nch	0.25	0.0	0.0	-
lab*irj	0.25	0.0	0.0	-
lab*ice	0.25	0.0	0.0	-
lab*nE	0.25	0.0	0.0	-

relative CIELAB lab*	0.25	0.0	0.0	-
lab*tch	0.25	0.0	0.0	-
lab*nch	0.25	0.0	0.0	-
lab*irj	0.25	0.0	0.0	-
lab*ice	0.25	0.0	0.0	-
lab*nE	0.25	0.0	0.0	-

relative CIELAB lab*	0.25	0.0	0.0	-
lab*tch	0.25	0.0	0.0	-
lab*nch	0.25	0.0	0.0	-
lab*irj	0.25	0.0	0.0	-
lab*ice	0.25	0.0	0.0	-
lab*nE	0.25	0.0	0.0	-

relative CIELAB lab*	0.25	0.0	0.0	-
lab*tch	0.25	0.0	0.0	-
lab*nch	0.25	0.0	0.0	-
lab*irj	0.25	0.0	0.0	-
lab*ice	0.25	0.0	0.0	-
lab*nE	0.25	0.0	0.0	-

relative CIELAB lab*	0.25	0.0	0.0	-
lab*tch	0.25	0.0	0.0	-
lab*nch	0.25	0.0	0.0	-
lab*irj	0.25	0.0	0.0	-
lab*ice	0.25	0.0	0.0	-
lab*nE	0.25	0.0	0.0	-

relative CIELAB lab*	0.25	0.0	0.0	-
lab*tch	0.25	0.0	0.0	-
lab*nch	0.25	0.0	0.0	-
lab*irj	0.25	0.0	0.0	-
lab*ice	0.25	0.0	0.0	-
lab*nE	0.25	0.0	0.0	-

relative CIELAB lab*	0.25	0.0	0.0	-

<tbl_r cells="5

BAM-Registrierung: 20060101-OG59/10L/L59G05SP.PS./PDF
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

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

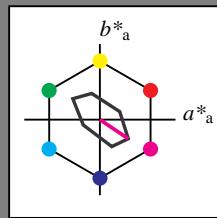
lab^*tch und lab^*nch

D65: Bunton M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang
 $u^*_{rel} = 16$

relative Inform. Technology (IT)

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 95.10 0.0 0.0

LAB*TchA 94.41 0.0 0.0

LAB*TChA 99.99 0.0 -

relative CIELAB lab*

lab*tch 0.75 0.0 0.0

lab*nch 1.0 0.0 0.0

lab*ncE 1.0 0.0 0.0

lab*ncE 1.0 0.0 0.0

relative Inform. Technology (ID)

olvi3* 0.75 0.25 0.75 (1,0)

cmy3* 0.25 0.25 0.25 (0,0)

olvi4* 1.0 1.0 1.0 (1,0)

cmy4* 0.0 0.0 0.25 (0,0)

standard and adapted CIELAB

LAB*LAB 88.98 0.0 0.0

LAB*TchA 88.98 0.0 0.0

LAB*TChA 88.98 0.0 0.0

relative CIELAB lab*

lab*tch 0.75 0.0 0.0

lab*nch 0.75 0.0 0.0

lab*ncE 0.75 0.0 0.0

relative Natural Colour (NC)

lab*lrj 0.75 0.0 0.0

lab*rcE 0.75 0.0 0.0

lab*ncE 0.75 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1,0)

cmy3* 0.5 0.5 0.5 (0,0)

olvi4* 0.5 0.5 0.5 (1,0)

cmy4* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB*LAB 76.13 0.0 0.0

LAB*TchA 76.13 0.0 0.0

LAB*TChA 76.13 0.0 0.0

relative CIELAB lab*

lab*tch 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

lab*ncE 0.25 0.0 0.0

relative Natural Colour (NC)

lab*lrj 0.25 0.0 0.0

lab*rcE 0.25 0.0 0.0

lab*ncE 0.25 0.0 0.0

relative Inform. Technology (IT)

cmy3* 1.0 1.0 1.0 (0,0)

olvi4* 1.0 1.0 1.0 (0,0)

cmy4* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB*LAB 69.77 0.0 0.0

LAB*TchA 69.77 0.0 0.0

LAB*TChA 69.77 0.0 0.0

relative CIELAB lab*

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*ncE 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lrj 0.0 0.0 0.0

lab*rcE 0.0 0.0 0.0

lab*ncE 0.0 0.0 0.0

relative Inform. Technology (IT)

cmy3* 1.0 1.0 1.0 (0,0)

olvi4* 1.0 1.0 1.0 (0,0)

cmy4* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB*LAB 71.9 0.0 0.0

LAB*TchA 71.9 0.0 0.0

LAB*TChA 71.9 0.0 0.0

relative CIELAB lab*

lab*tch 0.08 0.207 -0.138

lab*nch 0.125 0.25 0.096

lab*ncE 0.175 0.25 0.906

relative Natural Colour (NC)

lab*lrj 0.086 0.17 -0.182

lab*rcE 0.125 0.25 0.869

lab*ncE 0.75 0.25 0.847

relative Inform. Technology (IT)

cmy3* 1.0 1.0 1.0 (0,0)

olvi4* 1.0 1.0 1.0 (0,0)

cmy4* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB*LAB 69.77 0.0 0.0

LAB*TchA 69.77 0.0 0.0

LAB*TChA 69.77 0.0 0.0

relative CIELAB lab*

lab*tch 0.171 0.415 -0.278

lab*nch 0.25 0.5 0.906

lab*ncE 0.375 0.25 0.705

relative Natural Colour (NC)

lab*lrj 0.171 0.341 -0.365

lab*rcE 0.25 0.5 0.869

lab*ncE 0.75 0.25 0.847

relative Inform. Technology (IT)

cmy3* 1.0 1.0 1.0 (0,0)

olvi4* 1.0 1.0 1.0 (0,0)

cmy4* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB*LAB 69.77 0.0 0.0

LAB*TchA 69.77 0.0 0.0

LAB*TChA 69.77 0.0 0.0

relative CIELAB lab*

lab*tch 0.171 0.415 -0.278

lab*nch 0.25 0.5 0.906

lab*ncE 0.375 0.25 0.705

relative Natural Colour (NC)

lab*lrj 0.171 0.341 -0.365

lab*rcE 0.25 0.5 0.869

lab*ncE 0.75 0.25 0.847

relative Inform. Technology (IT)

cmy3* 1.0 1.0 1.0 (0,0)

olvi4* 1.0 1.0 1.0 (0,0)

cmy4* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB*LAB 69.77 0.0 0.0

LAB*TchA 69.77 0.0 0.0

LAB*TChA 69.77 0.0 0.0

relative CIELAB lab*

lab*tch 0.171 0.415 -0.278

lab*nch 0.25 0.5 0.906

lab*ncE 0.375 0.25 0.705

relative Natural Colour (NC)

lab*lrj 0.171 0.341 -0.365

lab*rcE 0.25 0.5 0.869

lab*ncE 0.75 0.25 0.847

relative Inform. Technology (IT)

cmy3* 1.0 1.0 1.0 (0,0)

olvi4* 1.0 1.0 1.0 (0,0)

cmy4* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB*LAB 69.77 0.0 0.0

LAB*TchA 69.77 0.0 0.0

LAB*TChA 69.77 0.0 0.0

relative CIELAB lab*

lab*tch 0.171 0.415 -0.278

lab*nch 0.25 0.5 0.906

lab*ncE 0.375 0.25 0.705

relative Natural Colour (NC)

lab*lrj 0.171 0.341 -0.365

lab*rcE 0.25 0.5 0.869

lab*ncE 0.75 0.25 0.847

relative Inform. Technology (IT)

cmy3* 1.0 1.0 1.0 (0,0)

olvi4* 1.0 1.0 1.0 (0,0)

cmy4* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB*LAB 69.77 0.0 0.0

LAB*TchA 69.77 0.0 0.0

LAB*TChA 69.77 0.0 0.0

relative CIELAB lab*

lab*tch 0.171 0.415 -0.278

lab*nch 0.25 0.5 0.906

lab*ncE 0.375 0.25 0.705

relative Natural Colour (NC)

lab*lrj 0.171 0.341 -0.365

lab*rcE 0.25 0.5 0.869

lab*ncE 0.75 0.25 0.847

relative Inform. Technology (IT)

cmy3* 1.0 1.0 1.0 (0,0)

olvi4* 1.0 1.0 1.0 (0,0)

cmy4* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB*LAB 69.77 0.0 0.0

LAB*TchA 69.77 0.0 0.0

LAB*TChA 69.77 0.0 0.0

relative CIELAB lab*

lab*tch 0.171 0.415 -0.278

lab*nch 0.25 0.5 0.906

lab*ncE 0.375 0.25 0.705

relative Natural Colour (NC)

lab*lrj 0.171 0.341 -0.365

lab*rcE 0.25 0.5 0.869

lab*ncE 0.75 0.25 0.847

relative Inform. Technology (IT)

cmy3* 1.0 1.0 1.0 (0,0)

olvi4* 1.0 1.0 1.0 (0,0)

cmy4* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB*LAB 69.77 0.0 0.0

LAB*TchA 69.77 0.0 0.0

LAB*TChA 69.77 0.0 0.0

relative CIELAB lab*

lab*tch 0.171 0.415 -0.278

lab*nch 0.25 0.5 0.906

lab*ncE 0.375 0.25 0.705

relative Natural Colour (NC)

lab*lrj 0.171 0.341 -0.365

lab*rcE 0.25 0.5 0.869

lab*ncE 0.75 0.25 0.847

relative Inform. Technology (IT)

cmy3* 1.0 1.0 1.0 (0,0)

olvi4* 1.0 1.0 1.0 (0,0)

cmy4* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB*LAB 69.77 0.0 0.0

LAB*TchA 69.77 0.0 0.0

LAB*TChA 69.77 0.0 0.0

relative CIELAB lab*

lab*tch 0.171 0.415 -0.278

lab*nch 0.25 0.5 0.906

lab*ncE 0.375 0.25 0.705

relative Natural Colour (NC)

lab*lrj 0.171 0.341 -0.365

lab*rcE 0.25 0.5 0.869

lab*ncE 0.75 0.25 0.847

relative Inform. Technology (IT)

cmy3* 1.0 1.0 1.0 (0,0)

olvi4* 1.0 1.0 1.0 (0,0)

cmy4* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB*LAB 69.77 0.0 0.0



Eingabe: Farbmétrisches Fernseh-Licht-System TLS70 für Bunton $h^* = lab^*h = 25/360 = 0.071$

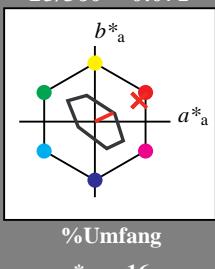
lab^*tch und lab^*nch

D65: Bunton R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 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

relative Inform. Technology (IT)

cmy3* 0.0 0.0 0.0 (1,0)

cmy3* 0.0 0.0 0.0 (0,0)

cmy4* 0.0 0.0 0.0

cmy4* 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*TCh 99.99 0.0 0.0

LAB*TCh 99.99 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 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* 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 88.98 0.0 0.0

LAB*TCh 88.98 0.0 0.0

LAB*TCh 88.98 0.0 0.0

relative CIELAB lab*

lab*tch 0.573 0.226 0.108

lab*nch 0.25 0.25 0.071

relative Natural Colour (NC)

lab*irj 0.573 0.25 0.0

standard and adapted CIELAB

LAB*LAB 82.65 0.0 0.0

LAB*TCh 82.65 0.0 0.0

LAB*TCh 82.65 0.0 0.0

relative Inform. Technology (IT)

cmy3* 0.75 0.75 0.75 (1,0)

cmy3* 0.75 0.75 0.75 (0,0)

cmy4* 1.0 1.0 0.25

cmy4* 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 76.13 0.0 0.0

LAB*TCh 76.13 0.0 0.0

LAB*TCh 76.13 0.0 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*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)

cmy3* 1.0 1.0 1.0 (1,0)

cmy3* 1.0 1.0 1.0 (0,0)

cmy4* 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 69.7 0.0 0.0

LAB*TCh 0.01 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*irj 0.0 0.0 0.0

lab*ice 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

n* = 1,0

relative Inform. Technology (IT)

cmy3* 1.0 1.0 1.0 (1,0)

cmy3* 1.0 1.0 1.0 (0,0)

cmy4* 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 71.59 0.0 0.0

LAB*TCh 0.01 0.0

relative CIELAB lab*

lab*tch 0.073 0.226 0.107

lab*nch 0.125 0.25 0.071

relative Natural Colour (NC)

lab*irj 0.073 0.25 0.0

lab*ice 0.073 0.25 0.0

lab*nce 0.75 0.25 b99r

n* = 0,50

relative Buntheit c^*

n* = 1,0

Schwarzheit n^*

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

n* = 1,00

n* = 0,75

n* = 0,50

n* = 0,25

n* = 0,00

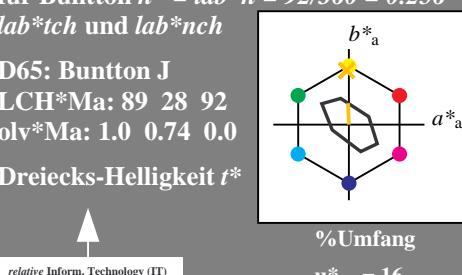
n* = 1,00

BAM-Registrierung: 20060101-OG59/10L/L59G07SP.PS./PDF
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

OG59/ Form: 8/10, Serie: 1/1, Seite: 8

Seitenz hlung 8

**Eingabe: Farbmétrisches Fernseh-Licht-System TLS70
für Bunton $h^* = lab^*h = 92/360 = 0.256$**



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmy3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmy4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 95.94 0.0 0.0
LAB*TCh 94.41 0.0 0.0
LAB*TChA 99.99 0.0 0

relative CIELAB lab*
lab*lab 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*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*lab 0.75 0.75 0.75 (1.0)
cmy3* 0.25 0.25 0.25 (0.0)
olv3* 1.0 1.0 1.0 (1.0)
cmy4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*TCh 94.41 0.0 0.0
LAB*TChA 99.99 0.0 0

relative CIELAB lab*
lab*lab 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*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*lab 0.75 0.5 0.5 (1.0)
cmy3* 0.5 0.5 0.5 (0.0)
olv3* 1.0 1.0 1.0 (1.0)
cmy4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 82.63 0.0 0.0
LAB*TCh 94.41 0.0 0.0
LAB*TChA 50.00 0.0 0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
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 0.15 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
cmy3* 0.75 0.75 0.75 (0.0)
olv3* 1.0 1.0 1.0 (1.0)
cmy4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 69.77 0.0 0.0
LAB*TCh 94.41 0.0 0.0
LAB*TChA 0.01 0.0 0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 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 1.0 0.0 0.0

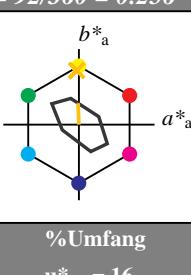
TLS70; adaptierte CIELAB-Daten

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

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS70

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

lab*tch und lab*nch



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmy3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmy4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 93.9 0.28 7.09
LAB*TCh 93.9 -0.28 7.09
LAB*TChA 87.5 1.1 92.33

relative CIELAB lab*
lab*lab 0.941 -0.009 0.25 (1.0)
lab*tch 0.875 0.25 0.25 (0.0)
lab*nch 0.0 0.25 0.25 (0.0)

relative Inform. Technology (IT)
olv3* 1.0 0.87 0.5 (1.0)
cmy3* 0.0 0.13 0.5 (0.0)
olv4* 1.0 0.87 0.5 (1.0)
cmy4* 0.0 0.13 0.5 (0.0)

standard and adapted CIELAB
LAB*LAB 92.4 -0.57 14.19
LAB*TCh 92.4 -0.57 14.19
LAB*TChA 87.5 1.1 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 Inform. Technology (IT)
olv3* 1.0 0.805 0.25 (1.0)
cmy3* 0.0 0.195 0.25 (0.0)
olv4* 1.0 0.805 0.25 (1.0)
cmy4* 0.0 0.195 0.25 (0.0)

standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*TCh 75.0 0.0 0.0
LAB*TChA 50.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.941 -0.009 0.25 (1.0)
lab*tch 0.875 0.25 0.25 (0.0)
lab*nch 0.0 0.25 0.25 (0.0)

relative Inform. Technology (IT)
olv3* 1.0 0.935 0.75 (1.0)
cmy3* 0.0 0.195 0.75 (0.0)
olv4* 1.0 0.935 0.75 (1.0)
cmy4* 0.0 0.195 0.75 (0.0)

standard and adapted CIELAB
LAB*LAB 93.9 -0.28 7.09
LAB*TCh 93.9 -0.28 7.09
LAB*TChA 87.5 1.1 92.33

TLS70; adaptierte CIELAB-Daten

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

%Regularität

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

relative Inform. Technology (IT)
olv3* 1.0 0.935 0.75 (1.0)
cmy3* 0.0 0.195 0.75 (0.0)
olv4* 1.0 0.935 0.75 (1.0)
cmy4* 0.0 0.195 0.75 (0.0)

standard and adapted CIELAB
LAB*LAB 93.9 -0.28 7.09
LAB*TCh 93.9 -0.28 7.09
LAB*TChA 87.5 1.1 92.33

relative CIELAB lab*
lab*lab 0.941 -0.009 0.25 (1.0)
lab*tch 0.875 0.25 0.25 (0.0)
lab*nch 0.0 0.25 0.25 (0.0)

relative Inform. Technology (IT)
olv3* 1.0 0.805 0.25 (1.0)
cmy3* 0.0 0.195 0.25 (0.0)
olv4* 1.0 0.805 0.25 (1.0)
cmy4* 0.0 0.195 0.25 (0.0)

standard and adapted CIELAB
LAB*LAB 88.98 0.0 0.0
LAB*TCh 75.0 0.0 0.0
LAB*TChA 50.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.941 -0.009 0.25 (1.0)
lab*tch 0.875 0.25 0.25 (0.0)
lab*nch 0.0 0.25 0.25 (0.0)

relative Inform. Technology (IT)
olv3* 1.0 0.935 0.75 (1.0)
cmy3* 0.0 0.195 0.75 (0.0)
olv4* 1.0 0.935 0.75 (1.0)
cmy4* 0.0 0.195 0.75 (0.0)

standard and adapted CIELAB
LAB*LAB 93.9 -0.28 7.09
LAB*TCh 93.9 -0.28 7.09
LAB*TChA 87.5 1.1 92.33

relative Inform. Technology (IT)
olv3* 1.0 0.75 0.25 (1.0)
cmy3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 0.75 0.25 (1.0)
cmy4* 0.25 0.25 0.25 (0.0)

standard and adapted CIELAB
LAB*LAB 89.38 -1.14 28.37
LAB*TCh 81.05 -0.83 21.28
LAB*TChA 50.0 0.28 9.23

relative CIELAB lab*
lab*lab 0.691 -0.009 0.25 (1.0)
lab*tch 0.625 0.25 0.256 (0.0)
lab*nch 0.25 0.25 0.256 (0.0)

relative Inform. Technology (IT)
olv3* 1.0 0.75 0.25 (1.0)
cmy3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 0.75 0.25 (1.0)
cmy4* 0.25 0.25 0.25 (0.0)

standard and adapted CIELAB
LAB*LAB 82.56 -0.56 14.19
LAB*TCh 79.54 -0.56 14.19
LAB*TChA 25.1 0.28 9.23

relative CIELAB lab*
lab*lab 0.691 -0.009 0.25 (1.0)
lab*tch 0.625 0.25 0.256 (0.0)
lab*nch 0.25 0.25 0.256 (0.0)

relative Inform. Technology (IT)
olv3* 1.0 0.75 0.25 (1.0)
cmy3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 0.75 0.25 (1.0)
cmy4* 0.25 0.25 0.25 (0.0)

standard and adapted CIELAB
LAB*LAB 79.54 -0.56 14.19
LAB*TCh 79.54 -0.56 14.19
LAB*TChA 25.1 0.28 9.23

relative Inform. Technology (IT)
olv3* 1.0 0.74 0.0 (1.0)
cmy3* 0.0 0.26 1.0 (0.0)
olv4* 1.0 0.74 0.0 (1.0)
cmy4* 0.0 0.26 1.0 (0.0)

standard and adapted CIELAB
LAB*LAB 89.38 -1.14 28.37
LAB*TCh 81.05 -0.83 21.28
LAB*TChA 50.0 0.28 9.23

relative CIELAB lab*
lab*lab 0.633 -0.019 0.05 (1.0)
lab*tch 0.567 0.25 0.256 (0.0)
lab*nch 0.25 0.25 0.256 (0.0)

relative Inform. Technology (IT)
olv3* 1.0 0.824 0.75 (1.0)
cmy3* 0.0 0.26 1.0 (0.0)
olv4* 1.0 0.824 0.75 (1.0)
cmy4* 0.0 0.26 1.0 (0.0)

standard and adapted CIELAB
LAB*LAB 84.46 -0.83 21.28
LAB*TCh 81.05 -0.83 21.28
LAB*TChA 25.1 0.28 9.23

relative CIELAB lab*
lab*lab 0.633 -0.019 0.05 (1.0)
lab*tch 0.567 0.25 0.256 (0.0)
lab*nch 0.25 0.25 0.256 (0.0)

relative Inform. Technology (IT)
olv3* 1.0 0.824 0.75 (1.0)
cmy3* 0.0 0.26 1.0 (0.0)
olv4* 1.0 0.824 0.75 (1.0)
cmy4* 0.0 0.26 1.0 (0.0)

standard and adapted CIELAB
LAB*LAB 79.54 -0.28 7.09
LAB*TCh 79.54 -0.28 7.09
LAB*TChA 25.1 0.28 9.23

8

6

4

2

0

-2

-4

-6

-8

-10

-12

-14

-16

-18

-20

-22

-24

-26

-28

-30

-32

-34

-36

-38

-40

-42

-44

-46

-48

-50

-52

-54

-56

-58

-60

-62

-64

-66

-68

-70

-72

-74

-76

-78

-80

-82

-84

-86

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-98

-100

-102

-104

-106

-108

-110

-112

-114

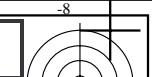
-116

-118

-120

-122

-124



Eingabe: Farbmétrisches Fernseh-Licht-System TLS70
für Bunton $h^* = lab^*h = 162/360 = 0.451$

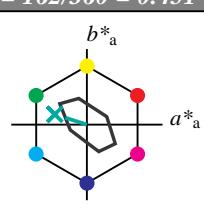
lab^*tch und lab^*nch

D65: Bunton G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)

olv1* 1.0 1.0 1.0 (1,0)

cmyn3* 0.0 0.0 0.0 (0,0)

olv4* 1.0 1.0 1.0 (1,0)

cmyn4* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB*LAB 89.56 0.0 0.0

LAB*TChA 99.99 0.0 0.0

LAB*TChA 99.99 0.0 0.0

relative CIELAB lab*

lab*tch 0.75 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 0.0 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 0.75 0.75 (1,0)

cmyn3* 0.25 0.25 0.25 (0,0)

olv1* 1.0 1.0 1.0 (1,0)

olv4* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB*LAB 88.98 0.0 0.0

LAB*TChA 99.99 0.0 0.0

LAB*TChA 99.99 0.0 0.0

relative CIELAB lab*

lab*tch 0.69 0.237 0.076

lab*tch 0.75 0.25 0.25

lab*tch 0.25 0.25 0.451

relative Natural Colour (NC)

lab*irj 0.69 0.249 0.0

standard and adapted CIELAB

LAB*LAB 76.13 0.0 0.0

LAB*LAB 76.13 0.0 0.0

LAB*TChA 25.01 0.0 0.0

relative CIELAB lab*

lab*tch 0.25 0.0 0.0

lab*tch 0.25 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 CIELAB lab*

lab*tch 0.199 -0.237 0.076

lab*tch 0.25 0.25 0.451

lab*tch 0.75 0.25 0.451

relative Natural Colour (NC)

lab*irj 0.199 -0.249 0.0

standard and adapted CIELAB

LAB*LAB 69.7 0.0 0.0

LAB*LAB 69.7 0.0 0.0

LAB*TChA 0.01 0.0 0.0

relative CIELAB lab*

lab*tch 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 1.0 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 1.0 0.0 0.0

n* = 1,0

TLS70; adaptierte CIELAB-Daten

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



relative Inform. Technology (IT)

olv1* 0.75 0.237 0.076 (1,0)

cmyn3* 0.25 0.25 0.25 (0,0)

olv4* 1.0 1.0 1.0 (1,0)

cmyn4* 0.0 0.0 0.0 (0,0)

standard and adapted CIELAB

LAB*LAB 88.98 0.0 0.0

LAB*TChA 99.99 0.0 0.0

LAB*TChA 99.99 0.0 0.0

relative CIELAB lab*

lab*tch 0.949 -0.237 0.076

lab*tch 0.25 0.25 0.451

lab*tch 0.75 0.25 0.451

relative Natural Colour (NC)

lab*irj 0.949 -0.249 0.0

standard and adapted CIELAB

LAB*LAB 86.37 -14.2 4.55

LAB*TChA 86.37 -14.2 4.55

LAB*TChA 86.37 -14.2 4.55

relative CIELAB lab*

lab*tch 0.699 -0.237 0.076

lab*tch 0.25 0.25 0.451

lab*tch 0.75 0.25 0.451

relative Natural Colour (NC)

lab*irj 0.699 -0.249 0.0

standard and adapted CIELAB

LAB*LAB 90.18 -28.4 9.11

LAB*TChA 50.00 29.84 162.22

relative CIELAB lab*

lab*tch 0.699 -0.237 0.076

lab*tch 0.25 0.25 0.451

lab*tch 0.75 0.25 0.451

relative Natural Colour (NC)

lab*irj 0.699 -0.249 0.0

standard and adapted CIELAB

LAB*LAB 78.06 -21.3 6.83

LAB*TChA 50.00 29.84 162.22

relative CIELAB lab*

lab*tch 0.699 -0.237 0.076

lab*tch 0.25 0.25 0.451

lab*tch 0.75 0.25 0.451

relative Natural Colour (NC)

lab*irj 0.699 -0.249 0.0

standard and adapted CIELAB

LAB*LAB 78.06 -21.3 6.83

LAB*TChA 50.00 29.84 162.22

relative CIELAB lab*

lab*tch 0.699 -0.237 0.076

lab*tch 0.25 0.25 0.451

lab*tch 0.75 0.25 0.451

relative Natural Colour (NC)

lab*irj 0.699 -0.249 0.0

standard and adapted CIELAB

LAB*LAB 78.06 -21.3 6.83

LAB*TChA 50.00 29.84 162.22

relative CIELAB lab*

lab*tch 0.699 -0.237 0.076

lab*tch 0.25 0.25 0.451

lab*tch 0.75 0.25 0.451

relative Natural Colour (NC)

lab*irj 0.699 -0.249 0.0

standard and adapted CIELAB

LAB*LAB 78.06 -21.3 6.83

LAB*TChA 50.00 29.84 162.22

relative CIELAB lab*

lab*tch 0.699 -0.237 0.076

lab*tch 0.25 0.25 0.451

lab*tch 0.75 0.25 0.451

relative Natural Colour (NC)

lab*irj 0.699 -0.249 0.0

standard and adapted CIELAB

LAB*LAB 78.06 -21.3 6.83

LAB*TChA 50.00 29.84 162.22

relative CIELAB lab*

lab*tch 0.699 -0.237 0.076

lab*tch 0.25 0.25 0.451

lab*tch 0.75 0.25 0.451

relative Natural Colour (NC)

lab*irj 0.699 -0.249 0.0

standard and adapted CIELAB

LAB*LAB 78.06 -21.3 6.83

LAB*TChA 50.00 29.84 162.22

relative CIELAB lab*

lab*tch 0.699 -0.237 0.076

lab*tch 0.25 0.25 0.451

lab*tch 0.75 0.25 0.451

relative Natural Colour (NC)

lab*irj 0.699 -0.249 0.0

standard and adapted CIELAB

LAB*LAB 78.06 -21.3 6.83

LAB*TChA 50.00 29.84 162.22

relative CIELAB lab*

lab*tch 0.699 -0.237 0.076

lab*tch 0.25 0.25 0.451

lab*tch 0.75 0.25 0.451

relative Natural Colour (NC)

lab*irj 0.699 -0.249 0.0

standard and adapted CIELAB

LAB*LAB 78.06 -21.3 6.83

LAB*TChA 50.00 29.84 162.22

relative CIELAB lab*

lab*tch 0.699 -0.237 0.076

lab*tch 0.25 0.25 0.451

lab*tch 0.75 0.25 0.451

relative Natural Colour (NC)

lab*irj 0.699 -0.249 0.0

standard and adapted CIELAB

LAB*LAB 78.06 -21.3 6.83

LAB*TChA 50.00 29.84 162.22

relative CIELAB lab*

lab*tch 0.699 -0.237 0.076

lab*tch 0.25 0.25 0.451

lab*tch 0.75 0.25 0.451

relative Natural Colour (NC)

lab*irj 0.699 -0.249 0.0

standard and adapted CIELAB

LAB*LAB 78.06 -21.3 6.83

LAB*TChA 50.00 29.84 162.22

relative CIELAB lab*

lab*tch 0.699 -0.237 0.076

lab*tch 0.25 0.25 0.451

lab*tch 0.75 0.25 0.451

relative Natural Colour (NC)

lab*irj 0.699 -0.249 0.0

standard and adapted CIELAB

LAB*LAB 78.06 -21.3 6.83

LAB*TChA 50.00 29.84 162.22

relative C

