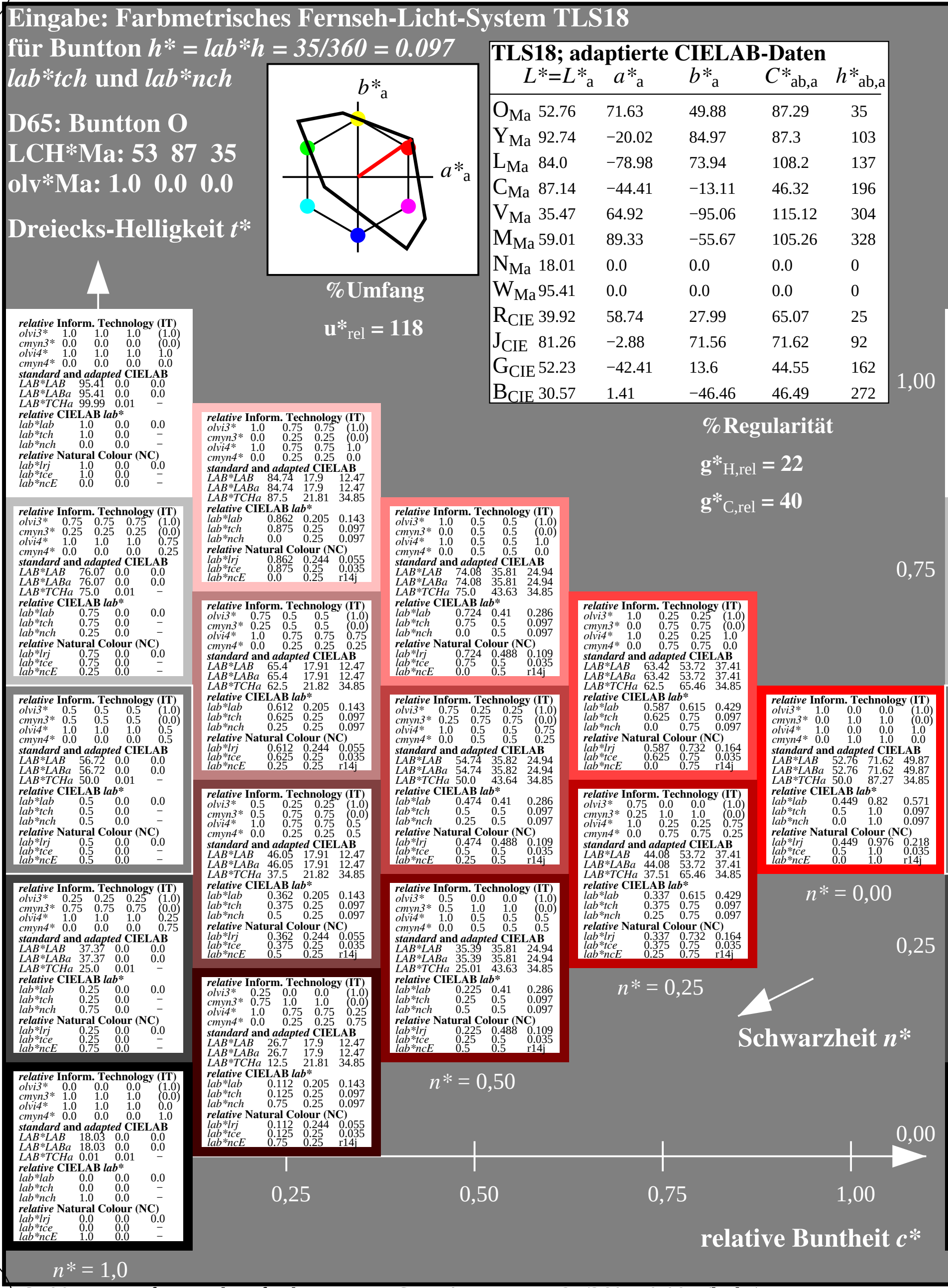


Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h* = 35/360 = 0.097
lab*tch* und *lab*nch

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

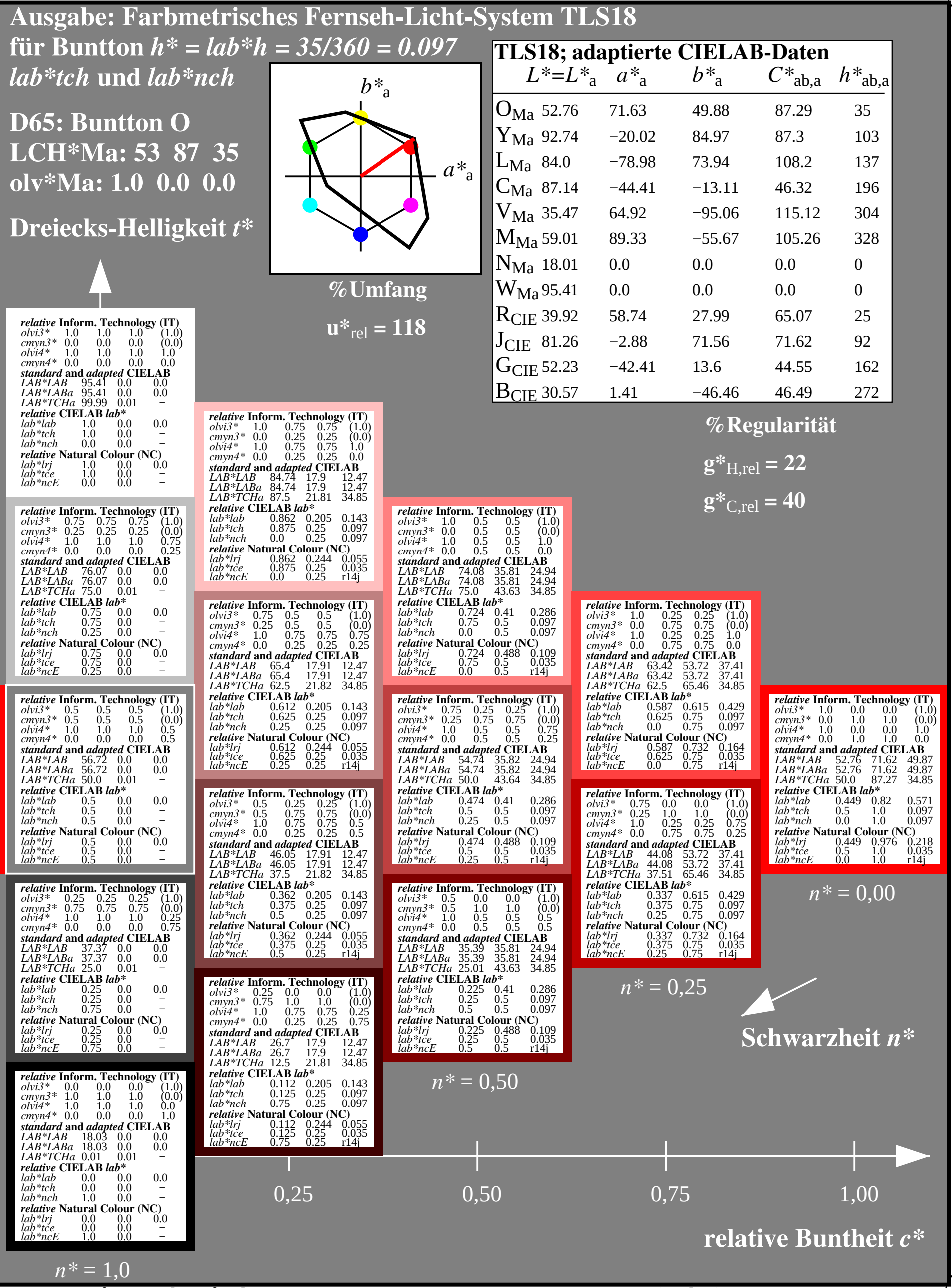
Dreiecks-Helligkeit *t*

TLS18; adaptierte CIELAB-Daten

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

%Umfang
u^*_{rel} = 118

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



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

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

Dreiecks-Helligkeit *t*

TLS18; adaptierte CIELAB-Daten

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

%Umfang
u^*_{rel} = 118

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

NG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (links)

5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (rechts)

BAM-Prüfvorlage NG59; Farbmetrik-Systeme TLS18 & TLS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/NG59/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

BAM-Registrierung: 20060101-NG59/10L/L59G00NA.PS/.TXT BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

Siehe ähnliche Dateien: http://www.ps.bam.de/NG59/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

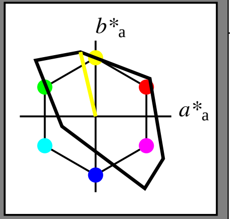
für Buntton $h^* = lab^*h = 103/360 = 0.287$
lab^*tch und lab^*nch

D65: Buntton Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*

TLS18; adaptierte CIELAB-Daten

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



%Umfang
$u^*_{rel} = 118$

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

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

relative **Inform. Technology (IT)**				
*olvi3**	0.75	0.75	0.75	(1.0)
*cmyn3**	0.25	0.25	0.25	(0.0)
*olvi4**	1.0	1.0	1.0	0.75
*cmyn4**	0.0	0.0	0.0	0.25
standard **and** ***adapted*** **CIELAB**				
*LAB*LAB*	76.07	0.0	0.0	
*LAB*LABa*	76.07	0.0	0.0	
*LAB*TCHa*	75.0	0.01	–	
relative **CIELAB** ***lab****				
*lab*lab*	0.75	0.0	0.0	
*lab*tch*	0.75	0.0	–	
*lab*nch*	0.25	0.0	–	
relative **Natural Colour (NC)**				
*lab*lrj*	0.75	0.0	0.0	
*lab*tce*	0.75	0.0	–	
*lab*ncE*	0.25	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*	56.72	0.0	0.0	
*LAB*LABa*	56.72	0.0	0.0	
*LAB*TCHa*	50.0	0.01	–	
relative **CIELAB** ***lab****				
*lab*lab*	0.5	0.0	0.0	
*lab*tch*	0.5	0.0	–	
*lab*nch*	0.5	0.0	–	
relative **Natural Colour (NC)**				
*lab*lrj*	0.5	0.0	0.0	
*lab*tce*	0.5	0.0	–	
*lab*ncE*	0.5	0.0	–	

relative **Inform. Technology (IT)**				
*olvi3**	0.25	0.25	0.25	(1.0)
*cmyn3**	0.75	0.75	0.75	(0.0)
*olvi4**	1.0	1.0	1.0	0.25
*cmyn4**	0.0	0.0	0.0	0.75
standard **and** ***adapted*** **CIELAB**				
*LAB*LAB*	37.37	0.0	0.0	
*LAB*LABa*	37.37	0.0	0.0	
*LAB*TCHa*	25.0	0.01	–	
relative **CIELAB** ***lab****				
*lab*lab*	0.25	0.0	0.0	
*lab*tch*	0.25	0.0	–	
*lab*nch*	0.75	0.0	–	
relative **Natural Colour (NC)**				
*lab*lrj*	0.25	0.0	0.0	
*lab*tce*	0.25	0.0	–	
*lab*ncE*	0.75	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*	18.03	0.0	0.0	
*LAB*LABa*	18.03	0.0	0.0	
*LAB*TCHa*	0.01	0.01	–	
relative **CIELAB** ***lab****				
*lab*lab*	0.0	0.0	0.0	
*lab*tch*	0.0	0.0	–	
*lab*nch*	1.0	0.0	–	
relative **Natural Colour (NC)**				
*lab*lrj*	0.0	0.0	0.0	
*lab*tce*	0.0	0.0	–	
*lab*ncE*	1.0	0.0	–	

relative **Inform. Technology (IT)**				
*olvi3**	1.0	1.0	0.75	(1.0)
*cmyn3**	0.0	0.0	0.25	(0.0)
*olvi4**	1.0	1.0	0.75	1.0
*cmyn4**	0.0	0.0	0.25	0.0
standard **and** ***adapted*** **CIELAB**				
*LAB*LAB*	94.74	−5.0	21.23	
*LAB*LABa*	94.74	−5.0	21.23	
*LAB*TCHa*	87.5	21.82	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.991	−0.056	0.243	
*lab*tch*	0.875	0.25	0.287	
*lab*nch*	0.0	0.25	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.991	−0.06	0.242	
*lab*tce*	0.875	0.25	0.289	
*lab*ncE*	0.0	0.25	j15g	

relative **Inform. Technology (IT)**				
*olvi3**	0.75	0.75	0.5	(1.0)
*cmyn3**	0.25	0.25	0.5	(0.0)
*olvi4**	1.0	1.0	0.75	0.75
*cmyn4**	0.0	0.0	0.25	0.25
standard **and** ***adapted*** **CIELAB**				
*LAB*LAB*	75.39	−5.0	21.24	
*LAB*LABa*	75.39	−5.0	21.24	
*LAB*TCHa*	62.5	21.82	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.741	−0.056	0.243	
*lab*tch*	0.625	0.25	0.287	
*lab*nch*	0.25	0.25	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.741	−0.06	0.242	
*lab*tce*	0.625	0.25	0.289	
*lab*ncE*	0.25	0.25	j15g	

relative **Inform. Technology (IT)**				
*olvi3**	0.5	0.5	0.25	(1.0)
*cmyn3**	0.5	0.5	0.75	(0.0)
*olvi4**	1.0	1.0	0.75	0.5
*cmyn4**	0.0	0.0	0.25	0.5
standard **and** ***adapted*** **CIELAB**				
*LAB*LAB*	56.04	−5.0	21.24	
*LAB*LABa*	56.04	−5.0	21.24	
*LAB*TCHa*	37.5	21.82	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.491	−0.056	0.243	
*lab*tch*	0.375	0.25	0.287	
*lab*nch*	0.5	0.25	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.491	−0.06	0.242	
*lab*tce*	0.375	0.25	0.289	
*lab*ncE*	0.5	0.25	j15g	

relative **Inform. Technology (IT)**				
*olvi3**	0.25	0.25	0.0	(1.0)
*cmyn3**	0.75	0.75	1.0	(0.0)
*olvi4**	1.0	1.0	0.75	0.25
*cmyn4**	0.0	0.0	0.25	0.75
standard **and** ***adapted*** **CIELAB**				
*LAB*LAB*	36.69	−5.0	21.23	
*LAB*LABa*	36.69	−5.0	21.23	
*LAB*TCHa*	12.5	21.82	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.241	−0.056	0.243	
*lab*tch*	0.125	0.25	0.287	
*lab*nch*	0.75	0.25	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.241	−0.06	0.242	
*lab*tce*	0.125	0.25	0.289	
*lab*ncE*	0.75	0.25	j15g	

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*	94.07	−10.0	42.48	
*LAB*LABa*	94.07	−10.0	42.48	
*LAB*TCHa*	75.0	43.64	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.983	−0.114	0.487	
*lab*tch*	0.75	0.5	0.287	
*lab*nch*	0.0	0.5	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.983	−0.121	0.485	
*lab*tce*	0.75	0.5	0.289	
*lab*ncE*	0.0	0.5	j15g	

relative **Inform. Technology (IT)**				
*olvi3**	0.75	0.75	0.25	(1.0)
*cmyn3**	0.25	0.25	0.75	(0.0)
*olvi4**	1.0	1.0	0.5	0.75
*cmyn4**	0.0	0.0	0.5	0.25
standard **and** ***adapted*** **CIELAB**				
*LAB*LAB*	74.72	−10.01	42.49	
*LAB*LABa*	74.72	−10.01	42.49	
*LAB*TCHa*	50.0	43.65	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.733	−0.114	0.487	
*lab*tch*	0.5	0.5	0.287	
*lab*nch*	0.25	0.5	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.733	−0.121	0.485	
*lab*tce*	0.5	0.5	0.289	
*lab*ncE*	0.25	0.5	j15g	

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*	55.38	−10.0	42.48	
*LAB*LABa*	55.38	−10.0	42.48	
*LAB*TCHa*	25.01	43.64	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.483	−0.114	0.487	
*lab*tch*	0.25	0.5	0.287	
*lab*nch*	0.5	0.5	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.483	−0.121	0.485	
*lab*tce*	0.25	0.5	0.289	
*lab*ncE*	0.5	0.5	j15g	

relative **Inform. Technology (IT)**				
*olvi3**	1.0	1.0	0.25	(1.0)
*cmyn3**	0.0	0.0	0.75	(0.0)
*olvi4**	1.0	1.0	0.25	1.0
*cmyn4**	0.0	0.0	0.75	0.0
standard **and** ***adapted*** **CIELAB**				
*LAB*LAB*	93.4	−15.01	63.72	
*LAB*LABa*	93.4	−15.01	63.72	
*LAB*TCHa*	62.5	65.47	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.974	−0.171	0.73	
*lab*tch*	0.625	0.75	0.287	
*lab*nch*	0.0	0.75	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.974	−0.182	0.727	
*lab*tce*	0.625	0.75	0.289	
*lab*ncE*	0.0	0.75	j15g	

relative **Inform. Technology (IT)**				
*olvi3**	0.75	0.75	0.0	(1.0)
*cmyn3**	0.25	0.25	1.0	(0.0)
*olvi4**	1.0	1.0	0.25	0.75
*cmyn4**	0.0	0.0	0.75	0.25
standard **and** ***adapted*** **CIELAB**				
*LAB*LAB*	74.06	−15.01	63.72	
*LAB*LABa*	74.06	−15.01	63.72	
*LAB*TCHa*	37.51	65.47	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.724	−0.171	0.73	
*lab*tch*	0.375	0.75	0.287	
*lab*nch*	0.25	0.75	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.724	−0.182	0.727	
*lab*tce*	0.375	0.75	0.289	
*lab*ncE*	0.25	0.75	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*	92.73	−20.02	84.95	
*LAB*LABa*	92.73	−20.02	84.95	
*LAB*TCHa*	50.0	87.28	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.965	−0.228	0.973	
*lab*tch*	0.5	1.0	0.287	
*lab*nch*	0.0	1.0	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.965	−0.243	0.97	
*lab*tce*	0.5	1.0	0.289	
*lab*ncE*	0.0	1.0	j15g	

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

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

Schwarzheit n^*

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

relative Buntheit c^*

NG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (links)

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

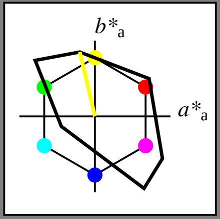
für Buntton $h^* = lab^*h = 103/360 = 0.287$
lab^*tch und lab^*nch

D65: Buntton Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*

TLS18; adaptierte CIELAB-Daten

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



%Umfang
$u^*_{rel} = 118$

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

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

relative **Inform. Technology (IT)**				
*olvi3**	0.75	0.75	0.75	(1.0)
*cmyn3**	0.25	0.25	0.25	(0.0)
*olvi4**	1.0	1.0	1.0	0.75
*cmyn4**	0.0	0.0	0.0	0.25
standard **and** ***adapted*** **CIELAB**				
*LAB*LAB*	76.07	0.0	0.0	
*LAB*LABa*	76.07	0.0	0.0	
*LAB*TCHa*	75.0	0.01	–	
relative **CIELAB** ***lab****				
*lab*lab*	0.75	0.0	0.0	
*lab*tch*	0.75	0.0	–	
*lab*nch*	0.25	0.0	–	
relative **Natural Colour (NC)**				
*lab*lrj*	0.75	0.0	0.0	
*lab*tce*	0.75	0.0	–	
*lab*ncE*	0.25	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*	56.72	0.0	0.0	
*LAB*LABa*	56.72	0.0	0.0	
*LAB*TCHa*	50.0	0.01	–	
relative **CIELAB** ***lab****				
*lab*lab*	0.5	0.0	0.0	
*lab*tch*	0.5	0.0	–	
*lab*nch*	0.5	0.0	–	
relative **Natural Colour (NC)**				
*lab*lrj*	0.5	0.0	0.0	
*lab*tce*	0.5	0.0	–	
*lab*ncE*	0.5	0.0	–	

relative **Inform. Technology (IT)**				
*olvi3**	0.25	0.25	0.25	(1.0)
*cmyn3**	0.75	0.75	0.75	(0.0)
*olvi4**	1.0	1.0	1.0	0.25
*cmyn4**	0.0	0.0	0.0	0.75
standard **and** ***adapted*** **CIELAB**				
*LAB*LAB*	37.37	0.0	0.0	
*LAB*LABa*	37.37	0.0	0.0	
*LAB*TCHa*	25.0	0.01	–	
relative **CIELAB** ***lab****				
*lab*lab*	0.25	0.0	0.0	
*lab*tch*	0.25	0.0	–	
*lab*nch*	0.75	0.0	–	
relative **Natural Colour (NC)**				
*lab*lrj*	0.25	0.0	0.0	
*lab*tce*	0.25	0.0	–	
*lab*ncE*	0.75	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*	18.03	0.0	0.0	
*LAB*LABa*	18.03	0.0	0.0	
*LAB*TCHa*	0.01	0.01	–	
relative **CIELAB** ***lab****				
*lab*lab*	0.0	0.0	0.0	
*lab*tch*	0.0	0.0	–	
*lab*nch*	1.0	0.0	–	
relative **Natural Colour (NC)**				
*lab*lrj*	0.0	0.0	0.0	
*lab*tce*	0.0	0.0	–	
*lab*ncE*	1.0	0.0	–	

relative **Inform. Technology (IT)**				
*olvi3**	1.0	1.0	0.75	(1.0)
*cmyn3**	0.0	0.0	0.25	(0.0)
*olvi4**	1.0	1.0	0.75	1.0
*cmyn4**	0.0	0.0	0.25	0.0
standard **and** ***adapted*** **CIELAB**				
*LAB*LAB*	94.74	−5.0	21.23	
*LAB*LABa*	94.74	−5.0	21.23	
*LAB*TCHa*	87.5	21.82	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.991	−0.056	0.243	
*lab*tch*	0.875	0.25	0.287	
*lab*nch*	0.0	0.25	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.991	−0.06	0.242	
*lab*tce*	0.875	0.25	0.289	
*lab*ncE*	0.0	0.25	j15g	

relative **Inform. Technology (IT)**				
*olvi3**	0.75	0.75	0.5	(1.0)
*cmyn3**	0.25	0.25	0.5	(0.0)
*olvi4**	1.0	1.0	0.75	0.75
*cmyn4**	0.0	0.0	0.25	0.25
standard **and** ***adapted*** **CIELAB**				
*LAB*LAB*	75.39	−5.0	21.24	
*LAB*LABa*	75.39	−5.0	21.24	
*LAB*TCHa*	62.5	21.82	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.741	−0.056	0.243	
*lab*tch*	0.625	0.25	0.287	
*lab*nch*	0.25	0.25	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.741	−0.06	0.242	
*lab*tce*	0.625	0.25	0.289	
*lab*ncE*	0.25	0.25	j15g	

relative **Inform. Technology (IT)**				
*olvi3**	0.5	0.5	0.25	(1.0)
*cmyn3**	0.5	0.5	0.75	(0.0)
*olvi4**	1.0	1.0	0.75	0.5
*cmyn4**	0.0	0.0	0.25	0.5
standard **and** ***adapted*** **CIELAB**				
*LAB*LAB*	56.04	−5.0	21.24	
*LAB*LABa*	56.04	−5.0	21.24	
*LAB*TCHa*	37.5	21.82	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.491	−0.056	0.243	
*lab*tch*	0.375	0.25	0.287	
*lab*nch*	0.5	0.25	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.491	−0.06	0.242	
*lab*tce*	0.375	0.25	0.289	
*lab*ncE*	0.5	0.25	j15g	

relative **Inform. Technology (IT)**				
*olvi3**	0.25	0.25	0.0	(1.0)
*cmyn3**	0.75	0.75	1.0	(0.0)
*olvi4**	1.0	1.0	0.75	0.25
*cmyn4**	0.0	0.0	0.25	0.75
standard **and** ***adapted*** **CIELAB**				
*LAB*LAB*	36.69	−5.0	21.23	
*LAB*LABa*	36.69	−5.0	21.23	
*LAB*TCHa*	12.5	21.82	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.241	−0.056	0.243	
*lab*tch*	0.125	0.25	0.287	
*lab*nch*	0.75	0.25	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.241	−0.06	0.242	
*lab*tce*	0.125	0.25	0.289	
*lab*ncE*	0.75	0.25	j15g	

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*	94.07	−10.0	42.48	
*LAB*LABa*	94.07	−10.0	42.48	
*LAB*TCHa*	75.0	43.64	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.983	−0.114	0.487	
*lab*tch*	0.75	0.5	0.287	
*lab*nch*	0.0	0.5	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.983	−0.121	0.485	
*lab*tce*	0.75	0.5	0.289	
*lab*ncE*	0.0	0.5	j15g	

relative **Inform. Technology (IT)**				
*olvi3**	0.75	0.75	0.25	(1.0)
*cmyn3**	0.25	0.25	0.75	(0.0)
*olvi4**	1.0	1.0	0.5	0.75
*cmyn4**	0.0	0.0	0.5	0.25
standard **and** ***adapted*** **CIELAB**				
*LAB*LAB*	74.72	−10.01	42.49	
*LAB*LABa*	74.72	−10.01	42.49	
*LAB*TCHa*	50.0	43.65	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.733	−0.114	0.487	
*lab*tch*	0.5	0.5	0.287	
*lab*nch*	0.25	0.5	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.733	−0.121	0.485	
*lab*tce*	0.5	0.5	0.289	
*lab*ncE*	0.25	0.5	j15g	

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*	55.38	−10.0	42.48	
*LAB*LABa*	55.38	−10.0	42.48	
*LAB*TCHa*	25.01	43.64	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.483	−0.114	0.487	
*lab*tch*	0.25	0.5	0.287	
*lab*nch*	0.5	0.5	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.483	−0.121	0.485	
*lab*tce*	0.25	0.5	0.289	
*lab*ncE*	0.5	0.5	j15g	

relative **Inform. Technology (IT)**				
*olvi3**	1.0	1.0	0.25	(1.0)
*cmyn3**	0.0	0.0	0.75	(0.0)
*olvi4**	1.0	1.0	0.25	1.0
*cmyn4**	0.0	0.0	0.75	0.0
standard **and** ***adapted*** **CIELAB**				
*LAB*LAB*	93.4	−15.01	63.72	
*LAB*LABa*	93.4	−15.01	63.72	
*LAB*TCHa*	62.5	65.47	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.974	−0.171	0.73	
*lab*tch*	0.625	0.75	0.287	
*lab*nch*	0.0	0.75	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.974	−0.182	0.727	
*lab*tce*	0.625	0.75	0.289	
*lab*ncE*	0.0	0.75	j15g	

relative **Inform. Technology (IT)**				
*olvi3**	0.75	0.75	0.0	(1.0)
*cmyn3**	0.25	0.25	1.0	(0.0)
*olvi4**	1.0	1.0	0.25	0.75
*cmyn4**	0.0	0.0	0.75	0.25
standard **and** ***adapted*** **CIELAB**				
*LAB*LAB*	74.06	−15.01	63.72	
*LAB*LABa*	74.06	−15.01	63.72	
*LAB*TCHa*	37.51	65.47	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.724	−0.171	0.73	
*lab*tch*	0.375	0.75	0.287	
*lab*nch*	0.25	0.75	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.724	−0.182	0.727	
*lab*tce*	0.375	0.75	0.289	
*lab*ncE*	0.25	0.75	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*	92.73	−20.02	84.95	
*LAB*LABa*	92.73	−20.02	84.95	
*LAB*TCHa*	50.0	87.28	103.26	
relative **CIELAB** ***lab****				
*lab*lab*	0.965	−0.228	0.973	
*lab*tch*	0.5	1.0	0.287	
*lab*nch*	0.0	1.0	0.287	
relative **Natural Colour (NC)**				
*lab*lrj*	0.965	−0.243	0.97	
*lab*tce*	0.5	1.0	0.289	
*lab*ncE*	0.0	1.0	j15g	

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

Schwarzheit n^*

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

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (rechts)

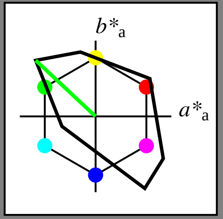
BAM-Prüfvorlage NG59; Farbmetrik-Systeme TLS18 & TLS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

BAM-Registrierung: 20060101-NG59/10L/L59G01NA.PS/.TXT BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

Siehe ähnliche Dateien: http://www.ps.bam.de/NG59/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

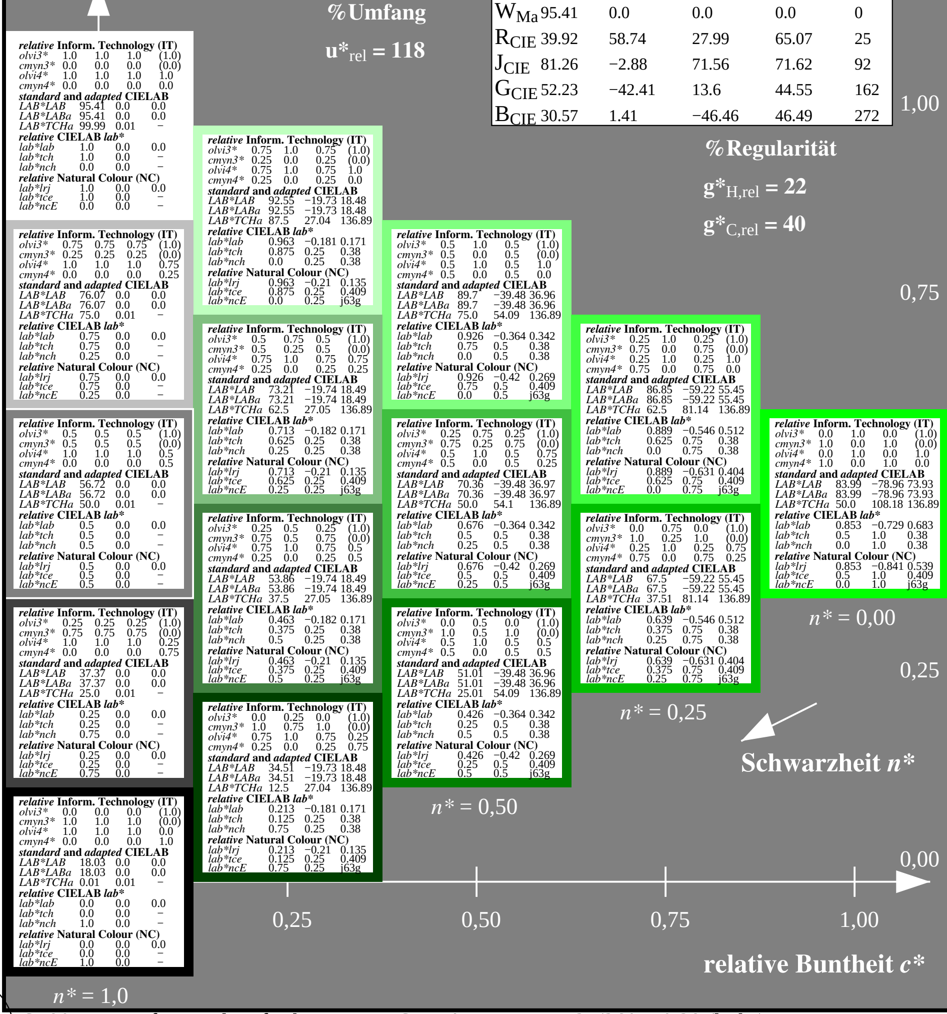
Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 137/360 = 0.38*
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0
Dreiecks-Helligkeit *t**



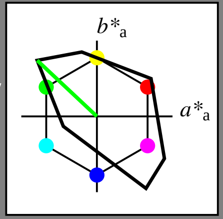
TLS18; adaptierte CIELAB-Daten

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



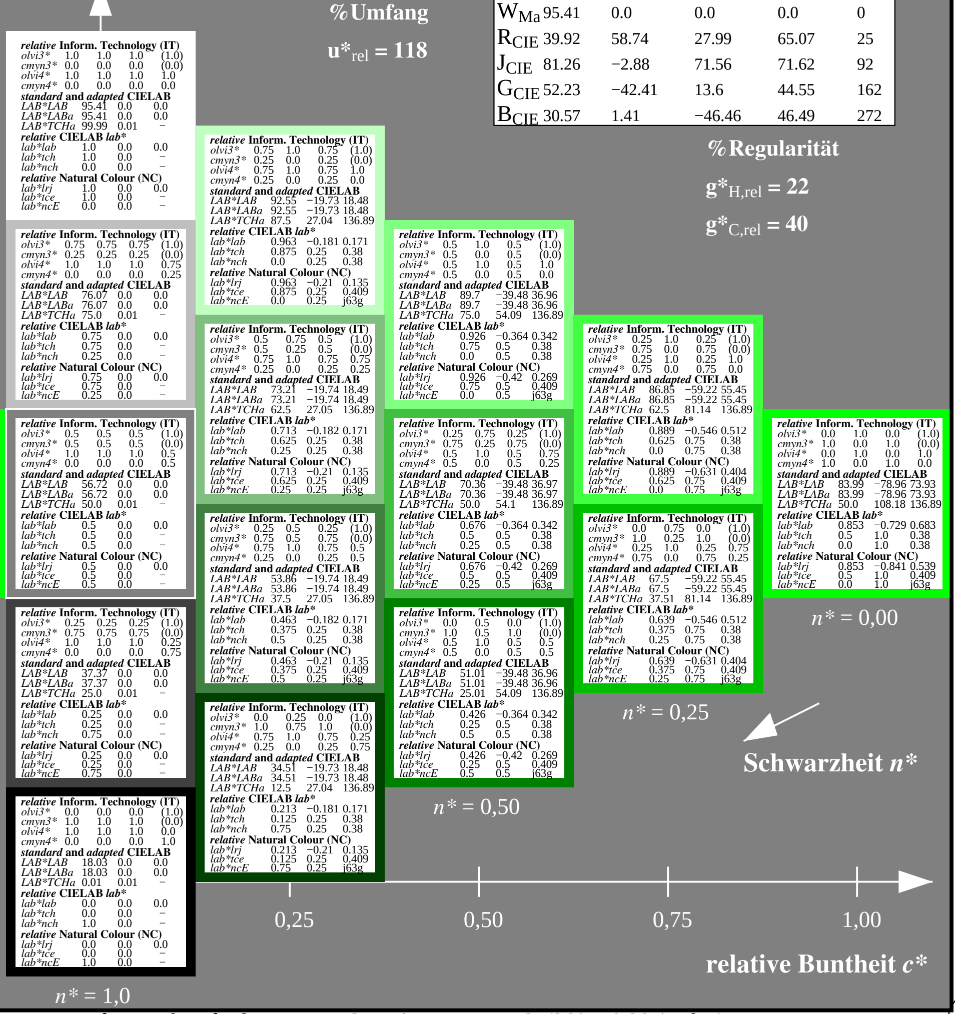
Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h* = lab*h = 137/360 = 0.38*
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0
Dreiecks-Helligkeit *t**



TLS18; adaptierte CIELAB-Daten

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



NG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (links)
5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (rechts)

BAM-Prüfvorlage NG59; Farbmetrik-Systeme TLS18 & TLS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

BAM-Registrierung: 20060101-NG59/10L/L59G02NA.PS/.TXT BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

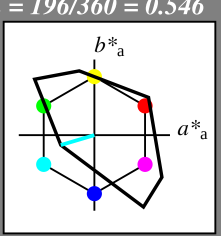
Siehe ähnliche Dateien: http://www.ps.bam.de/NG59/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 196/360 = 0.546$
lab*tch und lab*nch

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



TLS18; adaptierte CIELAB-Daten

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

%Umfang

$u^*_{rel} = 118$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

1,00

0,75

0,25

0,00

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*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.75
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCHa	75.0	0.01	–	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	–	
lab*nch	0.25	0.0	–	
relative Natural Colour (NC)				
lab*lrj	0.75	0.0	0.0	
lab*tce	0.75	0.0	–	
lab*ncE	0.25	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	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCHa	50.0	0.01	–	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	–	
lab*nch	0.5	0.0	–	
relative Natural Colour (NC)				
lab*lrj	0.5	0.0	0.0	
lab*tce	0.5	0.0	–	
lab*ncE	0.5	0.0	–	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCHa	25.0	0.01	–	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	–	
lab*nch	0.75	0.0	–	
relative Natural Colour (NC)				
lab*lrj	0.25	0.0	0.0	
lab*tce	0.25	0.0	–	
lab*ncE	0.75	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	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCHa	0.01	0.01	–	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	–	
lab*nch	1.0	0.0	–	
relative Natural Colour (NC)				
lab*lrj	0.0	0.0	0.0	
lab*tce	0.0	0.0	–	
lab*ncE	1.0	0.0	–	

relative Inform. Technology (IT)				
olvi3*	0.75	1.0	1.0	(1.0)
cmyn3*	0.25	0.0	0.0	(0.0)
olvi4*	0.75	1.0	1.0	1.0
cmyn4*	0.25	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	93.34	−11.09	−3.27	
LAB*LABa	93.34	−11.09	−3.27	
LAB*TCHa	87.5	11.57	196.46	
relative CIELAB lab*				
lab*lab	0.973	−0.239	−0.07	
lab*tch	0.875	0.25	0.546	
lab*nch	0.0	0.25	0.546	
relative Natural Colour (NC)				
lab*lrj	0.973	−0.219	−0.117	
lab*tce	0.875	0.25	0.578	
lab*ncE	0.0	0.25	g31b	

relative Inform. Technology (IT)				
olvi3*	0.5	0.75	0.75	(1.0)
cmyn3*	0.5	0.25	0.25	(0.0)
olvi4*	0.75	1.0	1.0	0.75
cmyn4*	0.25	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	73.99	−11.1	−3.27	
LAB*LABa	73.99	−11.1	−3.27	
LAB*TCHa	62.5	11.58	196.46	
relative CIELAB lab*				
lab*lab	0.723	−0.239	−0.07	
lab*tch	0.625	0.25	0.546	
lab*nch	0.25	0.25	0.546	
relative Natural Colour (NC)				
lab*lrj	0.723	−0.219	−0.117	
lab*tce	0.625	0.25	0.578	
lab*ncE	0.25	0.25	g31b	

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.5	0.5	(0.0)
olvi4*	0.75	1.0	1.0	0.5
cmyn4*	0.25	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	54.64	−11.1	−3.27	
LAB*LABa	54.64	−11.1	−3.27	
LAB*TCHa	37.5	11.58	196.46	
relative CIELAB lab*				
lab*lab	0.473	−0.239	−0.07	
lab*tch	0.375	0.25	0.546	
lab*nch	0.5	0.25	0.546	
relative Natural Colour (NC)				
lab*lrj	0.473	−0.219	−0.117	
lab*tce	0.375	0.25	0.578	
lab*ncE	0.5	0.25	g31b	

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.75	1.0	1.0	0.25
cmyn4*	0.25	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	35.29	−11.09	−3.27	
LAB*LABa	35.29	−11.09	−3.27	
LAB*TCHa	12.5	11.57	196.46	
relative CIELAB lab*				
lab*lab	0.223	−0.239	−0.07	
lab*tch	0.125	0.25	0.546	
lab*nch	0.75	0.25	0.546	
relative Natural Colour (NC)				
lab*lrj	0.223	−0.219	−0.117	
lab*tce	0.125	0.25	0.578	
lab*ncE	0.75	0.25	g31b	

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	91.27	−22.2	−6.55	
LAB*LABa	91.27	−22.2	−6.55	
LAB*TCHa	75.0	23.15	196.46	
relative CIELAB lab*				
lab*lab	0.946	−0.478	−0.141	
lab*tch	0.75	0.5	0.546	
lab*nch	0.0	0.5	0.546	
relative Natural Colour (NC)				
lab*lrj	0.946	−0.44	−0.235	
lab*tce	0.75	0.5	0.578	
lab*ncE	0.0	0.5	g31b	

relative Inform. Technology (IT)				
olvi3*	0.25	0.75	0.75	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	0.75
cmyn4*	0.5	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	71.93	−22.2	−6.55	
LAB*LABa	71.93	−22.2	−6.55	
LAB*TCHa	50.0	23.16	196.46	
relative CIELAB lab*				
lab*lab	0.697	−0.479	−0.141	
lab*tch	0.5	0.5	0.546	
lab*nch	0.25	0.5	0.546	
relative Natural Colour (NC)				
lab*lrj	0.697	−0.44	−0.235	
lab*tce	0.5	0.5	0.578	
lab*ncE	0.25	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	52.58	−22.2	−6.55	
LAB*LABa	52.58	−22.2	−6.55	
LAB*TCHa	25.01	23.15	196.46	
relative CIELAB lab*				
lab*lab	0.447	−0.478	−0.141	
lab*tch	0.25	0.5	0.546	
lab*nch	0.5	0.5	0.546	
relative Natural Colour (NC)				
lab*lrj	0.447	−0.44	−0.235	
lab*tce	0.25	0.5	0.578	
lab*ncE	0.5	0.5	g31b	

relative Inform. Technology (IT)				
olvi3*	0.25	1.0	1.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	0.25	1.0	1.0	1.0
cmyn4*	0.75	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	89.2	−33.3	−9.83	
LAB*LABa	89.2	−33.3	−9.83	
LAB*TCHa	62.5	34.73	196.46	
relative CIELAB lab*				
lab*lab	0.92	−0.718	−0.211	
lab*tch	0.625	0.75	0.546	
lab*nch	0.0	0.75	0.546	
relative Natural Colour (NC)				
lab*lrj	0.92	−0.66	−0.353	
lab*tce	0.625	0.75	0.578	
lab*ncE	0.0	0.75	g31b	

relative Inform. Technology (IT)				
olvi3*	0.0	0.75	0.75	(1.0)
cmyn3*	1.0	0.25	0.25	(0.0)
olvi4*	0.25	1.0	1.0	0.75
cmyn4*	0.75	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	69.86	−33.3	−9.83	
LAB*LABa	69.86	−33.3	−9.83	
LAB*TCHa	37.51	34.73	196.46	
relative CIELAB lab*				
lab*lab	0.67	−0.718	−0.211	
lab*tch	0.375	0.75	0.546	
lab*nch	0.25	0.75	0.546	
relative Natural Colour (NC)				
lab*lrj	0.67	−0.66	−0.353	
lab*tce	0.375	0.75	0.578	
lab*ncE	0.25	0.75	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	87.13	−44.4	−13.11	
LAB*LABa	87.13	−44.4	−13.11	
LAB*TCHa	50.0	46.31	196.46	
relative CIELAB lab*				
lab*lab	0.893	−0.958	−0.282	
lab*tch	0.5	1.0	0.546	
lab*nch	0.0	1.0	0.546	
relative Natural Colour (NC)				
lab*lrj	0.893	−0.881	−0.47	
lab*tce	0.5	1.0	0.578	
lab*ncE	0.0	1.0	g31b	

$n^* = 0,00$

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

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

relative Buntheit c^*

$n^* = 1,0$

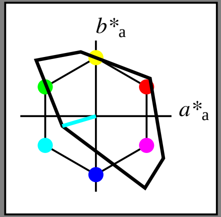
NG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (links)

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 196/360 = 0.546$
lab*tch und lab*nch

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



TLS18; adaptierte CIELAB-Daten

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

%Umfang

$u^*_{rel} = 118$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.75
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCHa	75.0	0.01	–	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	–	
lab*nch	0.25	0.0	–	
relative Natural Colour (NC)				
lab*lrj	0.75	0.0	0.0	
lab*tce	0.75	0.0	–	
lab*ncE	0.25	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	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCHa	50.0	0.01	–	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	–	
lab*nch	0.5	0.0	–	
relative Natural Colour (NC)				
lab*lrj	0.5	0.0	0.0	
lab*tce	0.5	0.0	–	
lab*ncE	0.5	0.0	–	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCHa	25.0	0.01	–	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	–	
lab*nch	0.75	0.0	–	
relative Natural Colour (NC)				
lab*lrj	0.25	0.0	0.0	
lab*tce	0.25	0.0	–	
lab*ncE	0.75	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	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCHa	0.01	0.01	–	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	–	
lab*nch	1.0	0.0	–	
relative Natural Colour (NC)				
lab*lrj	0.0	0.0	0.0	
lab*tce	0.0	0.0	–	
lab*ncE	1.0	0.0	–	

relative Inform. Technology (IT)				
olvi3*	0.75	1.0	1.0	(1.0)
cmyn3*	0.25	0.0	0.0	(0.0)
olvi4*	0.75	1.0	1.0	1.0
cmyn4*	0.25	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	93.34	−11.09	−3.27	
LAB*LABa	93.34	−11.09	−3.27	
LAB*TCHa	87.5	11.57	196.46	
relative CIELAB lab*				
lab*lab	0.973	−0.239	−0.07	
lab*tch	0.875	0.25	0.546	
lab*nch	0.0	0.25	0.546	
relative Natural Colour (NC)				
lab*lrj	0.973	−0.219	−0.117	
lab*tce	0.875	0.25	0.578	
lab*ncE	0.0	0.25	g31b	

relative Inform. Technology (IT)				
olvi3*	0.5	0.75	0.75	(1.0)
cmyn3*	0.5	0.25	0.25	(0.0)
olvi4*	0.75	1.0	1.0	0.75
cmyn4*	0.25	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	73.99	−11.1	−3.27	
LAB*LABa	73.99	−11.1	−3.27	
LAB*TCHa	62.5	11.58	196.46	
relative CIELAB lab*				
lab*lab	0.723	−0.239	−0.07	
lab*tch	0.625	0.25	0.546	
lab*nch	0.25	0.25	0.546	
relative Natural Colour (NC)				
lab*lrj	0.723	−0.219	−0.117	
lab*tce	0.625	0.25	0.578	
lab*ncE	0.25	0.25	g31b	

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.5	0.5	(0.0)
olvi4*	0.75	1.0	1.0	0.5
cmyn4*	0.25	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	54.64	−11.1	−3.27	
LAB*LABa	54.64	−11.1	−3.27	
LAB*TCHa	37.5	11.58	196.46	
relative CIELAB lab*				
lab*lab	0.473	−0.239	−0.07	
lab*tch	0.375	0.25	0.546	
lab*nch	0.5	0.25	0.546	
relative Natural Colour (NC)				
lab*lrj	0.473	−0.219	−0.117	
lab*tce	0.375	0.25	0.578	
lab*ncE	0.5	0.25	g31b	

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.75	1.0	1.0	0.25
cmyn4*	0.25	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	35.29	−11.09	−3.27	
LAB*LABa	35.29	−11.09	−3.27	
LAB*TCHa	12.5	11.57	196.46	
relative CIELAB lab*				
lab*lab	0.223	−0.239	−0.07	
lab*tch	0.125	0.25	0.546	
lab*nch	0.75	0.25	0.546	
relative Natural Colour (NC)				
lab*lrj	0.223	−0.219	−0.117	
lab*tce	0.125	0.25	0.578	
lab*ncE	0.75	0.25	g31b	

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	91.27	−22.2	−6.55	
LAB*LABa	91.27	−22.2	−6.55	
LAB*TCHa	75.0	23.15	196.46	
relative CIELAB lab*				
lab*lab	0.946	−0.478	−0.141	
lab*tch	0.75	0.5	0.546	
lab*nch	0.0	0.5	0.546	
relative Natural Colour (NC)				
lab*lrj	0.946	−0.44	−0.235	
lab*tce	0.75	0.5	0.578	
lab*ncE	0.0	0.5	g31b	

relative Inform. Technology (IT)				
olvi3*	0.25	0.75	0.75	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	0.75
cmyn4*	0.5	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	71.93	−22.2	−6.55	
LAB*LABa	71.93	−22.2	−6.55	
LAB*TCHa	50.0	23.16	196.46	
relative CIELAB lab*				
lab*lab	0.697	−0.479	−0.141	
lab*tch	0.5	0.5	0.546	
lab*nch	0.25	0.5	0.546	
relative Natural Colour (NC)				
lab*lrj	0.697	−0.44	−0.235	
lab*tce	0.5	0.5	0.578	
lab*ncE	0.25	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	52.58	−22.2	−6.55	
LAB*LABa	52.58	−22.2	−6.55	
LAB*TCHa	25.01	23.15	196.46	
relative CIELAB lab*				
lab*lab	0.447	−0.478	−0.141	
lab*tch	0.25	0.5	0.546	
lab*nch	0.5	0.5	0.546	
relative Natural Colour (NC)				
lab*lrj	0.447	−0.44	−0.235	
lab*tce	0.25	0.5	0.578	
lab*ncE	0.5	0.5	g31b	

relative Inform. Technology (IT)				
olvi3*	0.25	1.0	1.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	0.25	1.0	1.0	1.0
cmyn4*	0.75	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	89.2	−33.3	−9.83	
LAB*LABa	89.2	−33.3	−9.83	
LAB*TCHa	62.5	34.73	196.46	
relative CIELAB lab*				
lab*lab	0.92	−0.718	−0.211	
lab*tch	0.625	0.75	0.546	
lab*nch	0.0	0.75	0.546	
relative Natural Colour (NC)				
lab*lrj	0.92	−0.66	−0.353	
lab*tce	0.625	0.75	0.578	
lab*ncE	0.0	0.75	g31b	

relative Inform. Technology (IT)				
olvi3*	0.0	0.75	0.75	(1.0)
cmyn3*	1.0	0.25	0.25	(0.0)
olvi4*	0.25	1.0	1.0	0.75
cmyn4*	0.75	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	69.86	−33.3	−9.83	
LAB*LABa	69.86	−33.3	−9.83	
LAB*TCHa	37.51	34.73	196.46	
relative CIELAB lab*				
lab*lab	0.67	−0.718	−0.211	
lab*tch	0.375	0.75	0.546	
lab*nch	0.25	0.75	0.546	
relative Natural Colour (NC)				
lab*lrj	0.67	−0.66	−0.353	
lab*tce	0.375	0.75	0.578	
lab*ncE	0.25	0.75	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	87.13	−44.4	−13.11	
LAB*LABa	87.13	−44.4	−13.11	
LAB*TCHa	50.0	46.31	196.46	
relative CIELAB lab*				
lab*lab	0.893	−0.958	−0.282	
lab*tch	0.5	1.0	0.546	
lab*nch	0.0	1.0	0.546	
relative Natural Colour (NC)				
lab*lrj	0.893	−0.881	−0.47	
lab*tce	0.5	1.0	0.578	
lab*ncE	0.0	1.0	g31b	

$n^* = 0,00$

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

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

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (rechts)

BAM-Registrierung: 20060101-NG59/10L/L59G03NA.PS/.TXT
BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen

BAM-Prüfvorlage NG59; Farbmetrik-Systeme TLS18 & TLS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

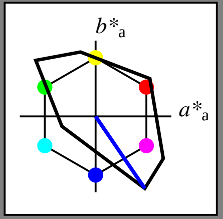
Siehe ähnliche Dateien: http://www.ps.bam.de/NG59/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton *h = *lab*h* = 304/360 = 0.845**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 35 115 304
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit *t*

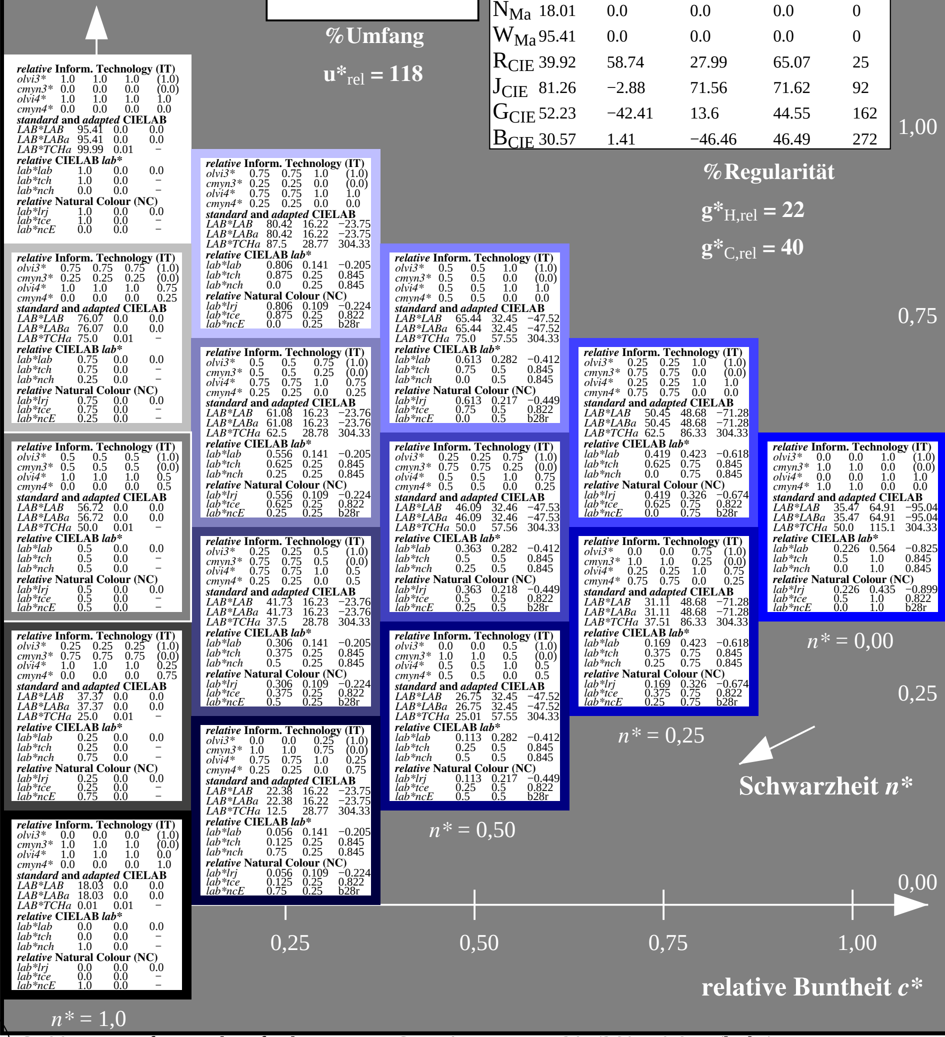


TLS18; adaptierte CIELAB-Daten

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

%Umfang
$u^*_{rel} = 118$

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

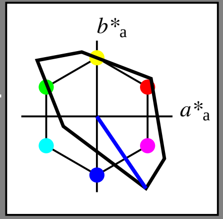


Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton *h = *lab*h* = 304/360 = 0.845**
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 35 115 304
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit *t*

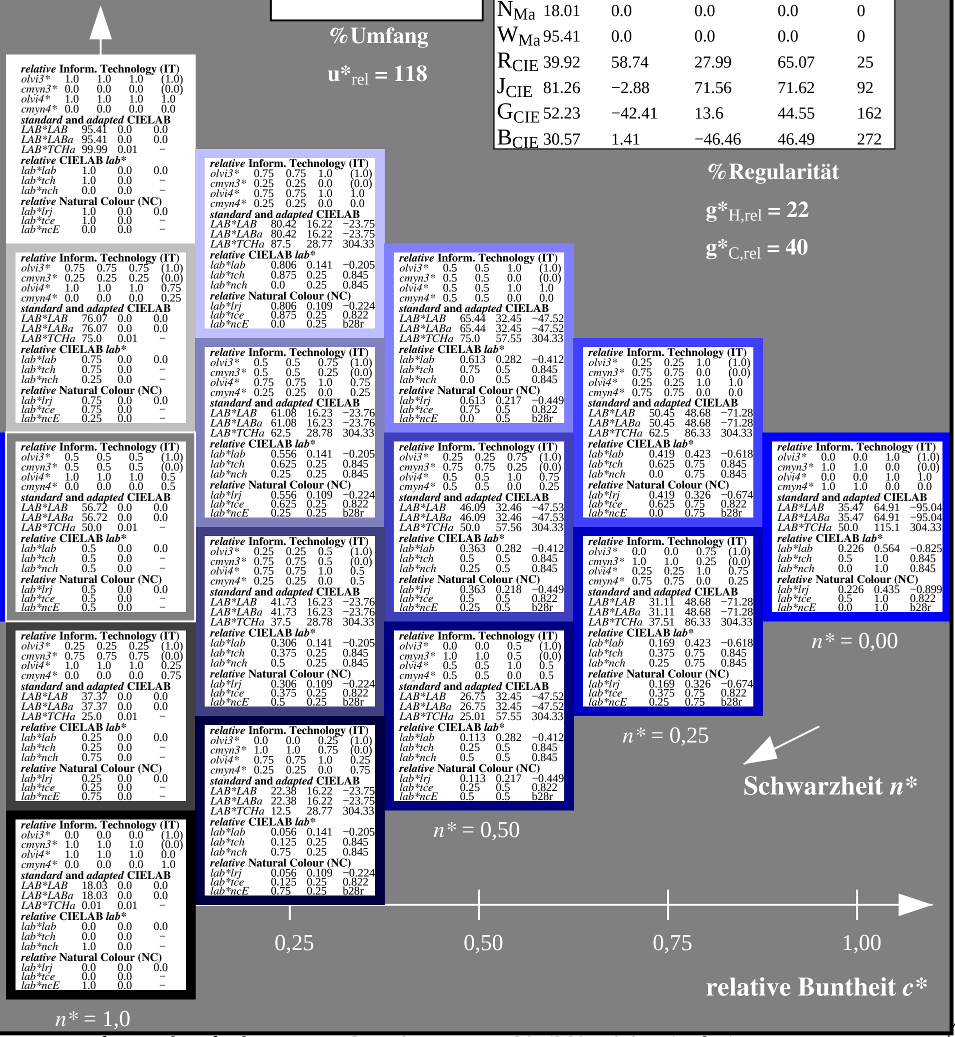


TLS18; adaptierte CIELAB-Daten

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

%Umfang
$u^*_{rel} = 118$

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



NG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (links)
5 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (rechts)

BAM-Registrierung: 20060101-NG59/10L/L59G04NA.PS/.TXT
BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen

/NG59/ Form: 5/10, Serie: 1/1, Seite: 5
Seitenzählung 5

www.ps.bam.de/NG59/10L/L59G05NA.PS/.TXT; Start-Ausgabe
N: Keine Ausgabe-Linearisierung (OL) in Datei (F), Startup (S), Gerät (D)

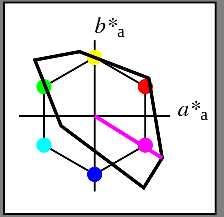
Siehe ähnliche Dateien: http://www.ps.bam.de/NG59/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 328/360 = 0.911$
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang
$u^*_{rel} = 118$

TLS18; adaptierte CIELAB-Daten

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

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

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

***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*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.75
cmyn4*	0.0	0.0	0.0	0.25
***standard* and *adapted* CIELAB**				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCHa	75.0	0.01	–	
relative* CIELAB *lab				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	–	
lab*nch	0.25	0.0	–	
***relative* Natural Colour (NC)**				
lab*lrj	0.75	0.0	0.0	
lab*tce	0.75	0.0	–	
lab*ncE	0.25	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	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCHa	50.0	0.01	–	
relative* CIELAB *lab				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	–	
lab*nch	0.5	0.0	–	
***relative* Natural Colour (NC)**				
lab*lrj	0.5	0.0	0.0	
lab*tce	0.5	0.0	–	
lab*ncE	0.5	0.0	–	

***relative* Inform. Technology (IT)**				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75
***standard* and *adapted* CIELAB**				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCHa	25.0	0.01	–	
relative* CIELAB *lab				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	–	
lab*nch	0.75	0.0	–	
***relative* Natural Colour (NC)**				
lab*lrj	0.25	0.0	0.0	
lab*tce	0.25	0.0	–	
lab*ncE	0.75	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	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCHa	0.01	0.01	–	
relative* CIELAB *lab				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	–	
lab*nch	1.0	0.0	–	
***relative* Natural Colour (NC)**				
lab*lrj	0.0	0.0	0.0	
lab*tce	0.0	0.0	–	
lab*ncE	1.0	0.0	–	

***relative* Inform. Technology (IT)**				
olvi3*	1.0	0.75	1.0	(1.0)
cmyn3*	0.0	0.25	0.0	(0.0)
olvi4*	1.0	0.75	1.0	1.0
cmyn4*	0.0	0.25	0.0	0.0
***standard* and *adapted* CIELAB**				
LAB*LAB	86.31	22.32	−13.9	
LAB*LABa	86.31	22.32	−13.9	
LAB*TCHa	87.5	26.31	328.06	
relative* CIELAB *lab				
lab*lab	0.882	0.212	−0.131	
lab*tch	0.875	0.25	0.911	
lab*nch	0.0	0.25	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.882	0.175	−0.177	
lab*tce	0.875	0.25	0.874	
lab*ncE	0.0	0.25	b49r	

***relative* Inform. Technology (IT)**				
olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.75	1.0	0.75
cmyn4*	0.0	0.25	0.0	0.25
***standard* and *adapted* CIELAB**				
LAB*LAB	66.96	22.33	−13.91	
LAB*LABa	66.96	22.33	−13.91	
LAB*TCHa	62.5	26.32	328.06	
relative* CIELAB *lab				
lab*lab	0.632	0.212	−0.131	
lab*tch	0.625	0.25	0.911	
lab*nch	0.25	0.25	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.632	0.175	−0.177	
lab*tce	0.625	0.25	0.874	
lab*ncE	0.25	0.25	b49r	

***relative* Inform. Technology (IT)**				
olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.5	0.75	0.5	(0.0)
olvi4*	1.0	0.75	1.0	0.5
cmyn4*	0.0	0.25	0.0	0.5
***standard* and *adapted* CIELAB**				
LAB*LAB	47.61	22.33	−13.91	
LAB*LABa	47.61	22.33	−13.91	
LAB*TCHa	37.5	26.32	328.06	
relative* CIELAB *lab				
lab*lab	0.382	0.212	−0.131	
lab*tch	0.375	0.25	0.911	
lab*nch	0.5	0.25	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.382	0.175	−0.177	
lab*tce	0.375	0.25	0.874	
lab*ncE	0.5	0.25	b49r	

***relative* Inform. Technology (IT)**				
olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	1.0	0.75	(0.0)
olvi4*	1.0	0.75	1.0	0.25
cmyn4*	0.0	0.25	0.0	0.75
***standard* and *adapted* CIELAB**				
LAB*LAB	28.26	22.32	−13.9	
LAB*LABa	28.26	22.32	−13.9	
LAB*TCHa	12.5	26.31	328.06	
relative* CIELAB *lab				
lab*lab	0.132	0.212	−0.131	
lab*tch	0.125	0.25	0.911	
lab*nch	0.75	0.25	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.132	0.175	−0.177	
lab*tce	0.125	0.25	0.874	
lab*ncE	0.75	0.25	b49r	

***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	77.21	44.66	−27.82	
LAB*LABa	77.21	44.66	−27.82	
LAB*TCHa	75.0	52.62	328.06	
relative* CIELAB *lab				
lab*lab	0.765	0.424	−0.263	
lab*tch	0.75	0.5	0.911	
lab*nch	0.0	0.5	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.765	0.351	−0.355	
lab*tce	0.75	0.5	0.874	
lab*ncE	0.0	0.5	b49r	

***relative* Inform. Technology (IT)**				
olvi3*	0.75	0.25	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	1.0	0.5	1.0	0.75
cmyn4*	0.0	0.5	0.0	0.25
***standard* and *adapted* CIELAB**				
LAB*LAB	57.86	44.67	−27.83	
LAB*LABa	57.86	44.67	−27.83	
LAB*TCHa	50.0	52.63	328.06	
relative* CIELAB *lab				
lab*lab	0.515	0.424	−0.263	
lab*tch	0.5	0.5	0.911	
lab*nch	0.25	0.5	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.515	0.351	−0.355	
lab*tce	0.5	0.5	0.874	
lab*ncE	0.25	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	38.51	44.66	−27.82	
LAB*LABa	38.51	44.66	−27.82	
LAB*TCHa	25.01	52.62	328.06	
relative* CIELAB *lab				
lab*lab	0.265	0.424	−0.263	
lab*tch	0.25	0.5	0.911	
lab*nch	0.5	0.5	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.265	0.351	−0.355	
lab*tce	0.25	0.5	0.874	
lab*ncE	0.5	0.5	b49r	

***relative* Inform. Technology (IT)**				
olvi3*	1.0	0.25	1.0	(1.0)
cmyn3*	0.0	0.75	0.0	(0.0)
olvi4*	1.0	0.25	1.0	1.0
cmyn4*	0.0	0.75	0.0	0.0
***standard* and *adapted* CIELAB**				
LAB*LAB	68.11	66.99	−41.74	
LAB*LABa	68.11	66.99	−41.74	
LAB*TCHa	62.5	78.94	328.06	
relative* CIELAB *lab				
lab*lab	0.647	0.636	−0.396	
lab*tch	0.625	0.75	0.911	
lab*nch	0.0	0.75	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.647	0.526	−0.533	
lab*tce	0.625	0.75	0.874	
lab*ncE	0.0	0.75	b49r	

***relative* Inform. Technology (IT)**				
olvi3*	0.75	0.0	0.75	(1.0)
cmyn3*	0.25	1.0	0.25	(0.0)
olvi4*	1.0	0.25	1.0	0.75
cmyn4*	0.0	0.75	0.0	0.25
***standard* and *adapted* CIELAB**				
LAB*LAB	48.76	66.99	−41.74	
LAB*LABa	48.76	66.99	−41.74	
LAB*TCHa	37.51	78.94	328.06	
relative* CIELAB *lab				
lab*lab	0.397	0.636	−0.396	
lab*tch	0.375	0.75	0.911	
lab*nch	0.25	0.75	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.397	0.526	−0.533	
lab*tce	0.375	0.75	0.874	
lab*ncE	0.25	0.75	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	59.01	89.31	−55.66	
LAB*LABa	59.01	89.31	−55.66	
LAB*TCHa	50.0	105.24	328.06	
relative* CIELAB *lab				
lab*lab	0.53	0.848	−0.528	
lab*tch	0.5	1.0	0.911	
lab*nch	0.0	1.0	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.53	0.702	−0.711	
lab*tce	0.5	1.0	0.874	
lab*ncE	0.0	1.0	b49r	

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

Schwarzheit n^*

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

relative Buntheit c^*

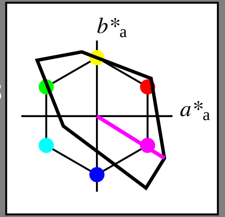
NG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (links)

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 328/360 = 0.911$
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang
$u^*_{rel} = 118$

TLS18; adaptierte CIELAB-Daten

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

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

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

***relative* Inform. Technology (IT)**				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.75
cmyn4*	0.0	0.0	0.0	0.25
***standard* and *adapted* CIELAB**				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCHa	75.0	0.01	–	
relative* CIELAB *lab				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	–	
lab*nch	0.25	0.0	–	
***relative* Natural Colour (NC)**				
lab*lrj	0.75	0.0	0.0	
lab*tce	0.75	0.0	–	
lab*ncE	0.25	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	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCHa	50.0	0.01	–	
relative* CIELAB *lab				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	–	
lab*nch	0.5	0.0	–	
***relative* Natural Colour (NC)**				
lab*lrj	0.5	0.0	0.0	
lab*tce	0.5	0.0	–	
lab*ncE	0.5	0.0	–	

***relative* Inform. Technology (IT)**				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75
***standard* and *adapted* CIELAB**				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*TCHa	25.0	0.01	–	
relative* CIELAB *lab				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	–	
lab*nch	0.75	0.0	–	
***relative* Natural Colour (NC)**				
lab*lrj	0.25	0.0	0.0	
lab*tce	0.25	0.0	–	
lab*ncE	0.75	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	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TCHa	0.01	0.01	–	
relative* CIELAB *lab				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	–	
lab*nch	1.0	0.0	–	
***relative* Natural Colour (NC)**				
lab*lrj	0.0	0.0	0.0	
lab*tce	0.0	0.0	–	
lab*ncE	1.0	0.0	–	

***relative* Inform. Technology (IT)**				
olvi3*	1.0	0.75	1.0	(1.0)
cmyn3*	0.0	0.25	0.0	(0.0)
olvi4*	1.0	0.75	1.0	1.0
cmyn4*	0.0	0.25	0.0	0.0
***standard* and *adapted* CIELAB**				
LAB*LAB	86.31	22.32	−13.9	
LAB*LABa	86.31	22.32	−13.9	
LAB*TCHa	87.5	26.31	328.06	
relative* CIELAB *lab				
lab*lab	0.882	0.212	−0.131	
lab*tch	0.875	0.25	0.911	
lab*nch	0.0	0.25	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.882	0.175	−0.177	
lab*tce	0.875	0.25	0.874	
lab*ncE	0.0	0.25	b49r	

***relative* Inform. Technology (IT)**				
olvi3*	0.75	0.5	0.75	(1.0)
cmyn3*	0.25	0.5	0.25	(0.0)
olvi4*	1.0	0.75	1.0	0.75
cmyn4*	0.0	0.25	0.0	0.25
***standard* and *adapted* CIELAB**				
LAB*LAB	66.96	22.33	−13.91	
LAB*LABa	66.96	22.33	−13.91	
LAB*TCHa	62.5	26.32	328.06	
relative* CIELAB *lab				
lab*lab	0.632	0.212	−0.131	
lab*tch	0.625	0.25	0.911	
lab*nch	0.25	0.25	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.632	0.175	−0.177	
lab*tce	0.625	0.25	0.874	
lab*ncE	0.25	0.25	b49r	

***relative* Inform. Technology (IT)**				
olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.5	0.75	0.5	(0.0)
olvi4*	1.0	0.75	1.0	0.5
cmyn4*	0.0	0.25	0.0	0.5
***standard* and *adapted* CIELAB**				
LAB*LAB	47.61	22.33	−13.91	
LAB*LABa	47.61	22.33	−13.91	
LAB*TCHa	37.5	26.32	328.06	
relative* CIELAB *lab				
lab*lab	0.382	0.212	−0.131	
lab*tch	0.375	0.25	0.911	
lab*nch	0.5	0.25	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.382	0.175	−0.177	
lab*tce	0.375	0.25	0.874	
lab*ncE	0.5	0.25	b49r	

***relative* Inform. Technology (IT)**				
olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	1.0	0.75	(0.0)
olvi4*	1.0	0.75	1.0	0.25
cmyn4*	0.0	0.25	0.0	0.75
***standard* and *adapted* CIELAB**				
LAB*LAB	28.26	22.32	−13.9	
LAB*LABa	28.26	22.32	−13.9	
LAB*TCHa	12.5	26.31	328.06	
relative* CIELAB *lab				
lab*lab	0.132	0.212	−0.131	
lab*tch	0.125	0.25	0.911	
lab*nch	0.75	0.25	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.132	0.175	−0.177	
lab*tce	0.125	0.25	0.874	
lab*ncE	0.75	0.25	b49r	

***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	77.21	44.66	−27.82	
LAB*LABa	77.21	44.66	−27.82	
LAB*TCHa	75.0	52.62	328.06	
relative* CIELAB *lab				
lab*lab	0.765	0.424	−0.263	
lab*tch	0.75	0.5	0.911	
lab*nch	0.0	0.5	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.765	0.351	−0.355	
lab*tce	0.75	0.5	0.874	
lab*ncE	0.0	0.5	b49r	

***relative* Inform. Technology (IT)**				
olvi3*	0.75	0.25	0.75	(1.0)
cmyn3*	0.25	0.75	0.25	(0.0)
olvi4*	1.0	0.5	1.0	0.75
cmyn4*	0.0	0.5	0.0	0.25
***standard* and *adapted* CIELAB**				
LAB*LAB	57.86	44.67	−27.83	
LAB*LABa	57.86	44.67	−27.83	
LAB*TCHa	50.0	52.63	328.06	
relative* CIELAB *lab				
lab*lab	0.515	0.424	−0.263	
lab*tch	0.5	0.5	0.911	
lab*nch	0.25	0.5	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.515	0.351	−0.355	
lab*tce	0.5	0.5	0.874	
lab*ncE	0.25	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	38.51	44.66	−27.82	
LAB*LABa	38.51	44.66	−27.82	
LAB*TCHa	25.01	52.62	328.06	
relative* CIELAB *lab				
lab*lab	0.265	0.424	−0.263	
lab*tch	0.25	0.5	0.911	
lab*nch	0.5	0.5	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.265	0.351	−0.355	
lab*tce	0.25	0.5	0.874	
lab*ncE	0.5	0.5	b49r	

***relative* Inform. Technology (IT)**				
olvi3*	1.0	0.25	1.0	(1.0)
cmyn3*	0.0	0.75	0.0	(0.0)
olvi4*	1.0	0.25	1.0	1.0
cmyn4*	0.0	0.75	0.0	0.0
***standard* and *adapted* CIELAB**				
LAB*LAB	68.11	66.99	−41.74	
LAB*LABa	68.11	66.99	−41.74	
LAB*TCHa	62.5	78.94	328.06	
relative* CIELAB *lab				
lab*lab	0.647	0.636	−0.396	
lab*tch	0.625	0.75	0.911	
lab*nch	0.0	0.75	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.647	0.526	−0.533	
lab*tce	0.625	0.75	0.874	
lab*ncE	0.0	0.75	b49r	

***relative* Inform. Technology (IT)**				
olvi3*	0.75	0.0	0.75	(1.0)
cmyn3*	0.25	1.0	0.25	(0.0)
olvi4*	1.0	0.25	1.0	0.75
cmyn4*	0.0	0.75	0.0	0.25
***standard* and *adapted* CIELAB**				
LAB*LAB	48.76	66.99	−41.74	
LAB*LABa	48.76	66.99	−41.74	
LAB*TCHa	37.51	78.94	328.06	
relative* CIELAB *lab				
lab*lab	0.397	0.636	−0.396	
lab*tch	0.375	0.75	0.911	
lab*nch	0.25	0.75	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.397	0.526	−0.533	
lab*tce	0.375	0.75	0.874	
lab*ncE	0.25	0.75	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	59.01	89.31	−55.66	
LAB*LABa	59.01	89.31	−55.66	
LAB*TCHa	50.0	105.24	328.06	
relative* CIELAB *lab				
lab*lab	0.53	0.848	−0.528	
lab*tch	0.5	1.0	0.911	
lab*nch	0.0	1.0	0.911	
***relative* Natural Colour (NC)**				
lab*lrj	0.53	0.702	−0.711	
lab*tce	0.5	1.0	0.874	
lab*ncE	0.0	1.0	b49r	

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

Schwarzheit n^*

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

relative Buntheit c^*

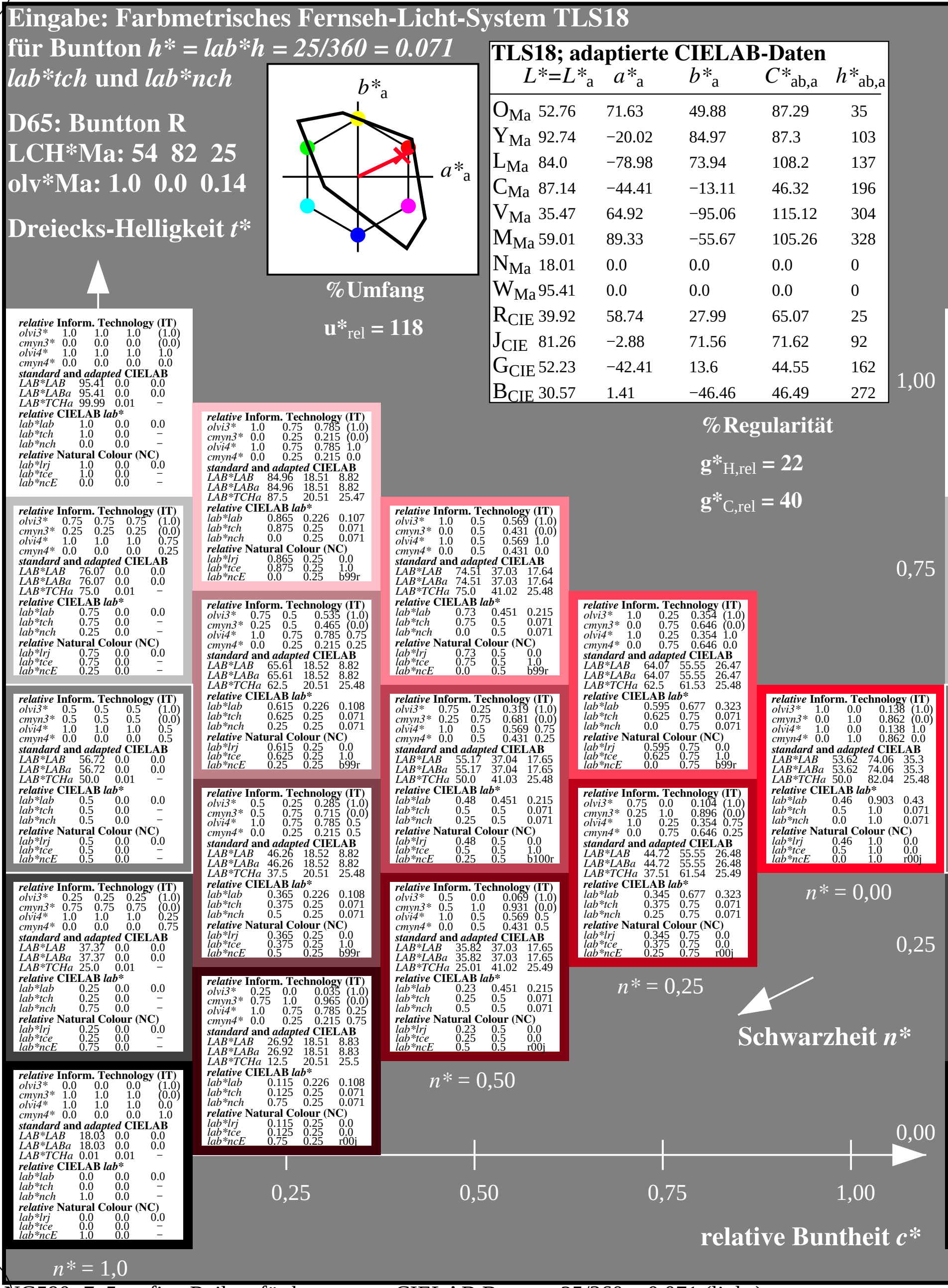
5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (rechts)

BAM-Registrierung: 20060101-NG59/10L/L59G05NA.PS/.TXT
BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

/NG59/ Form: 6/10, Serie: 1/1, Seite: 6
Seitenzählung 6

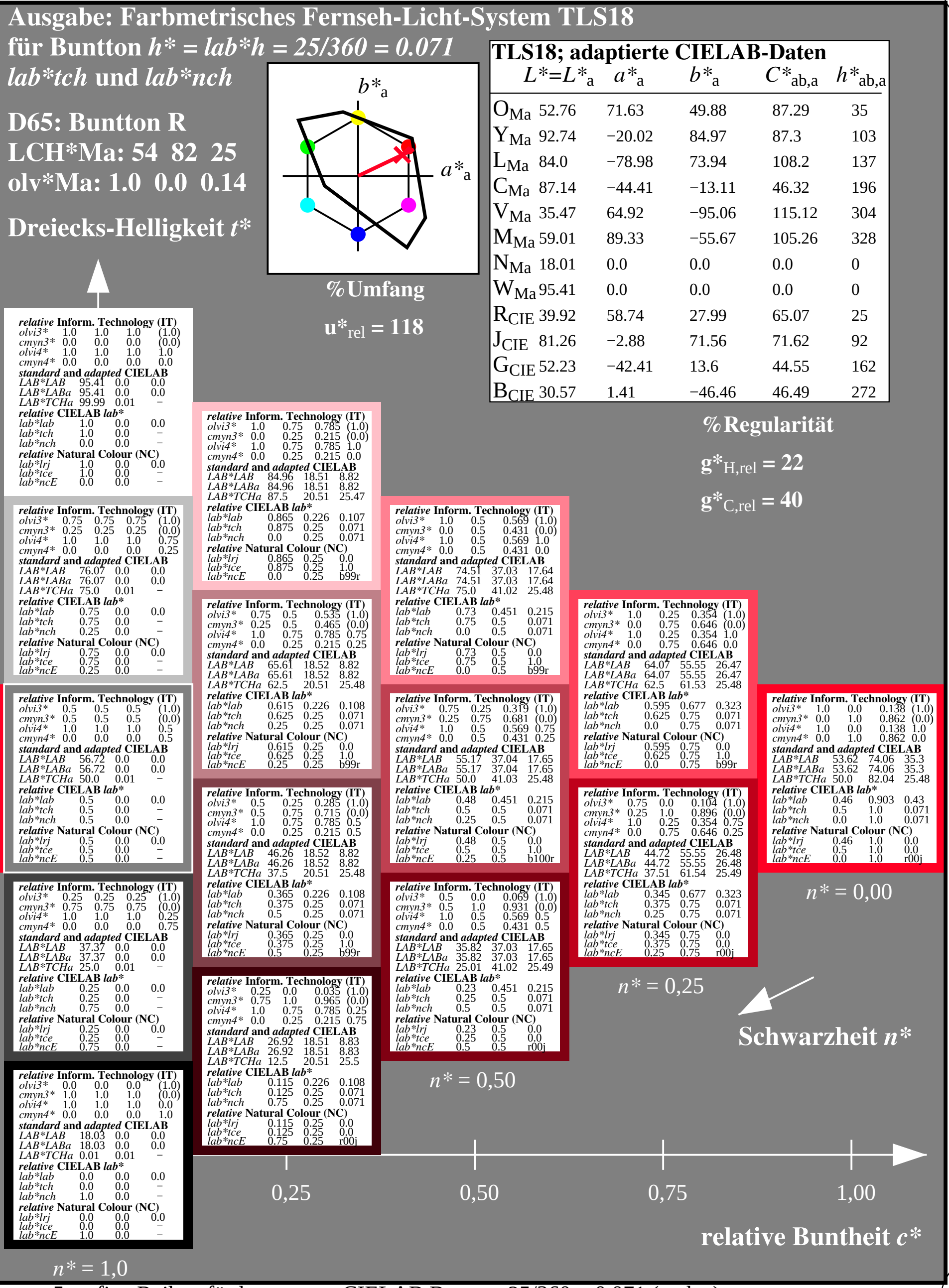
BAM-Prüfvorlage NG59; Farbmetrik-Systeme TLS18 & TLS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

www.ps.bam.de/NG59/10L/L59G06NA.PS/.TXT; Start-Ausgabe
N: Keine Ausgabe-Linearisierung (OL) in Datei (F), Startup (S), Gerät (D)



TLS18; adaptierte CIELAB-Daten

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



TLS18; adaptierte CIELAB-Daten

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

NG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)
5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

BAM-Prüfvorlage NG59; Farbmetrik-Systeme TLS18 & TLS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/NG59/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

BAM-Registrierung: 20060101-NG59/10L/L59G06NA.PS/.TXT BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

/NG59/ Form: 7/10, Serie: 1/1, Seite: 7

Siehe ähnliche Dateien: http://www.ps.bam.de/NG59/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

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

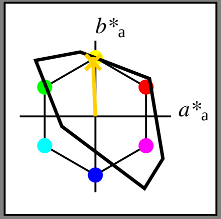
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit t^*



TLS18; adaptierte CIELAB-Daten

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

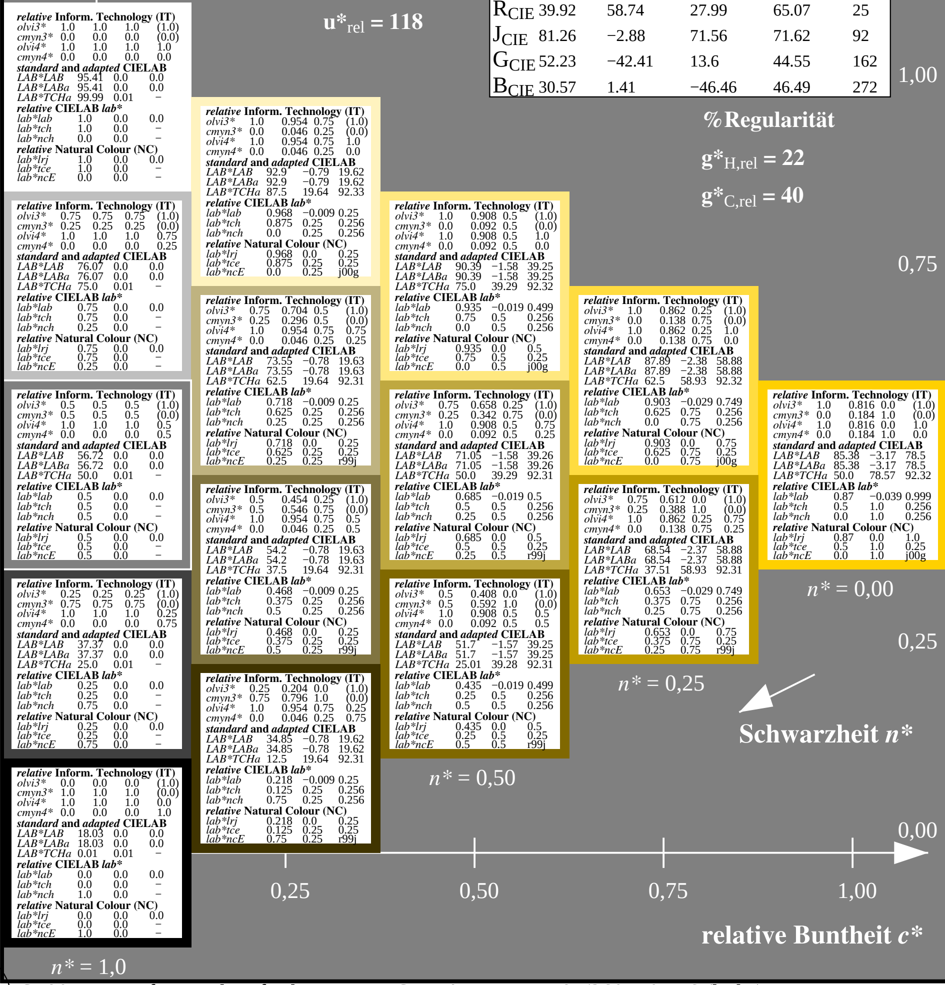
%Umfang

$u^*_{rel} = 118$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$



Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

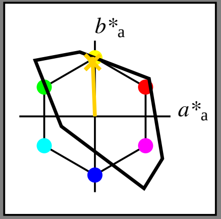
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit t^*



TLS18; adaptierte CIELAB-Daten

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

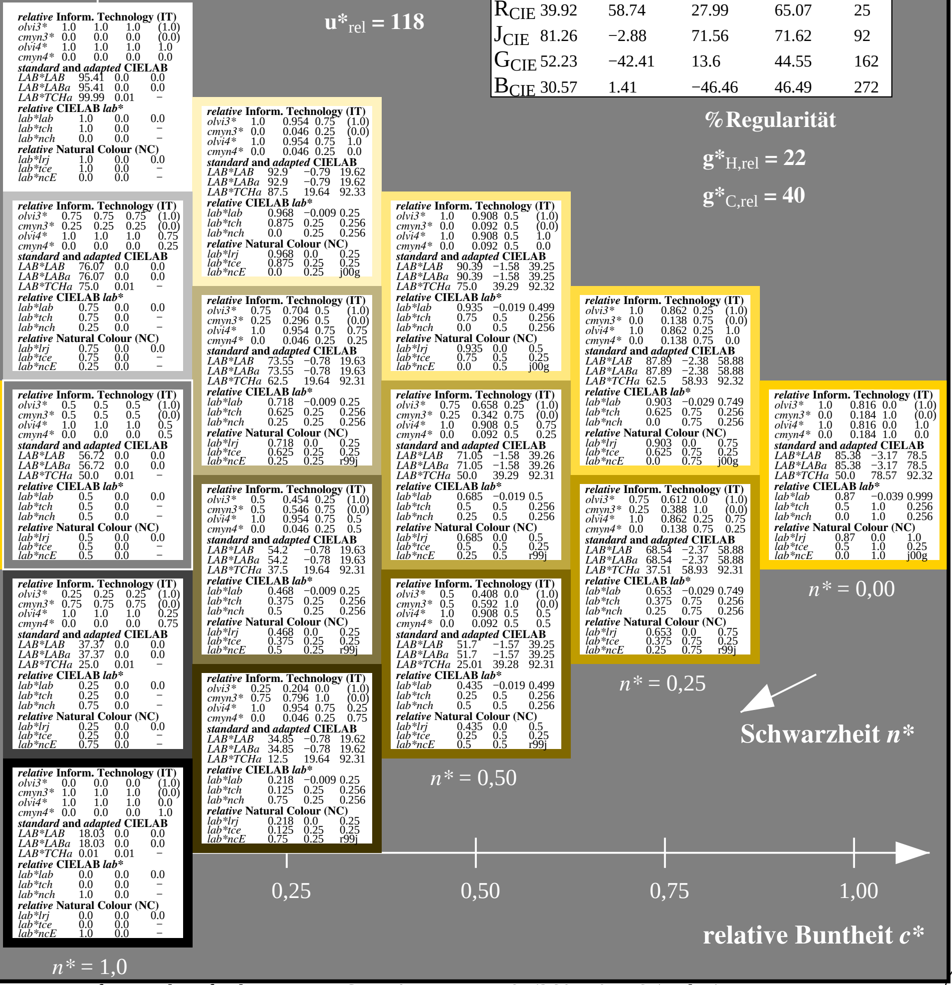
%Umfang

$u^*_{rel} = 118$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$



NG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

BAM-Registrierung: 20060101-NG59/10L/L59G07NA.PS/.TXT BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

/NG59/ Form: 8/10, Serie: 1/1, Seite: 8

Seitenzählung 8

BAM-Prüfvorlage NG59; Farbmetrik-Systeme TLS18 & TLS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton *h = *lab*h* = 162/360 = 0.451**

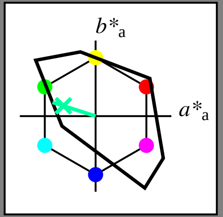
lab*tch* und *lab*nch

D65: Buntton G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit *t**



TLS18; adaptierte CIELAB-Daten

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

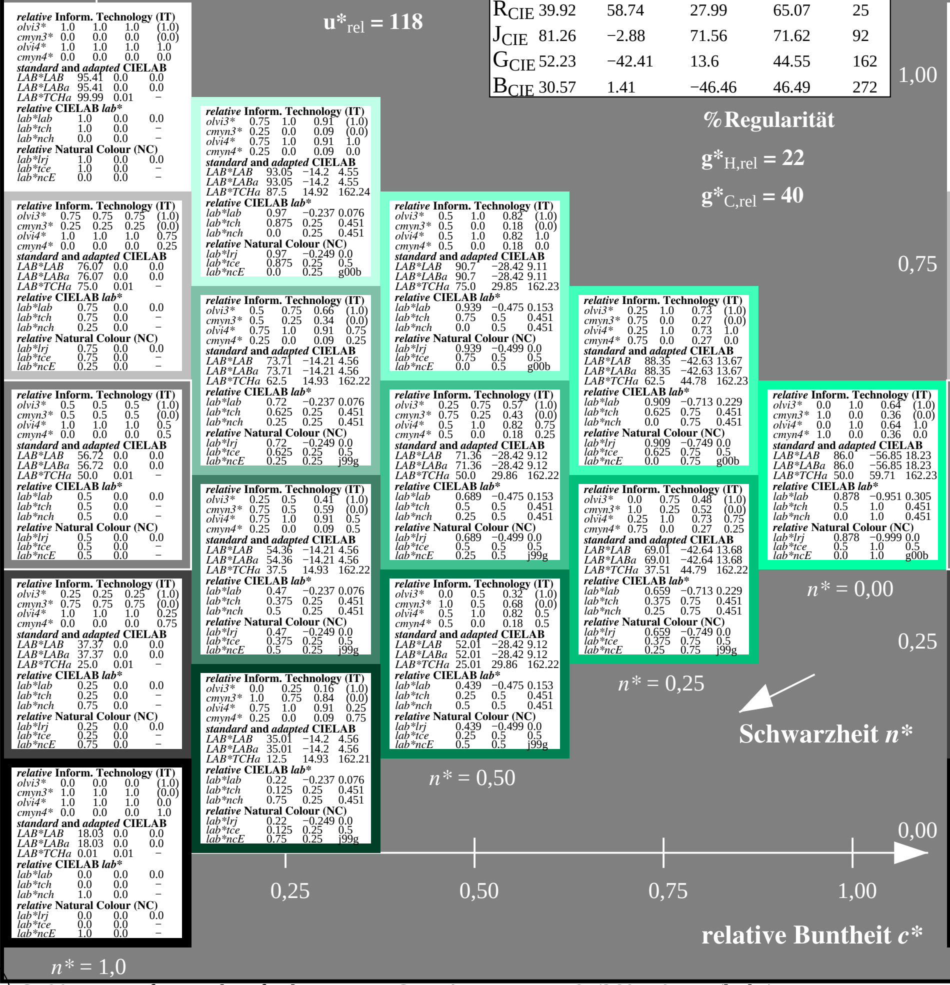
%Umfang

u^*_{rel} = 118

%Regularität

$g^*_{H,rel}$ = 22

$g^*_{C,rel}$ = 40



Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton *h = *lab*h* = 162/360 = 0.451**

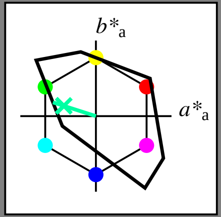
lab*tch* und *lab*nch

D65: Buntton G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit *t**



TLS18; adaptierte CIELAB-Daten

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

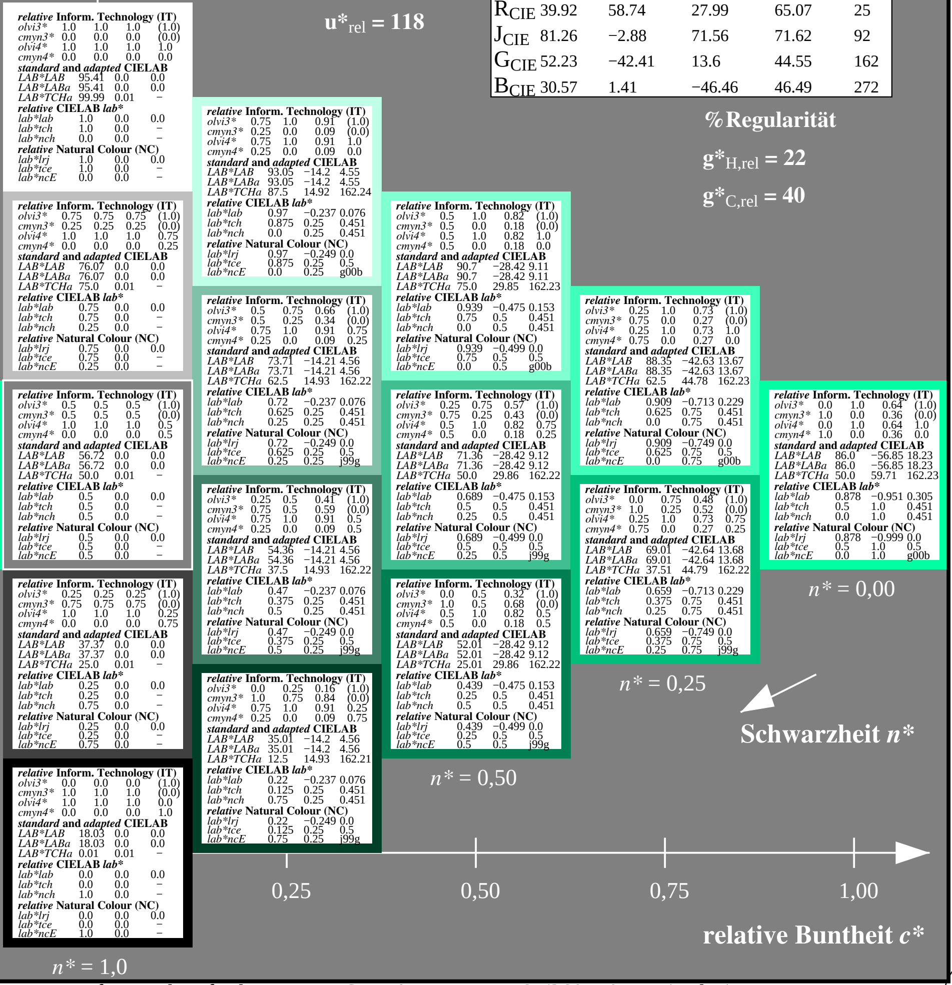
%Umfang

u^*_{rel} = 118

%Regularität

$g^*_{H,rel}$ = 22

$g^*_{C,rel}$ = 40



NG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

BAM-Prüfvorlage NG59; Farbmetrik-Systeme TLS18 & TLS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/NG59/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

BAM-Registrierung: 20060101-NG59/10L/L59G08NA.PS/.TXT
BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

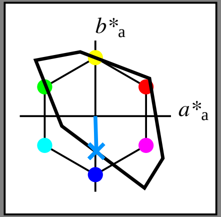
Siehe ähnliche Dateien: http://www.ps.bam.de/NG59/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

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

D65: Buntton B
LCH*Ma: 65 48 272
olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit *t**

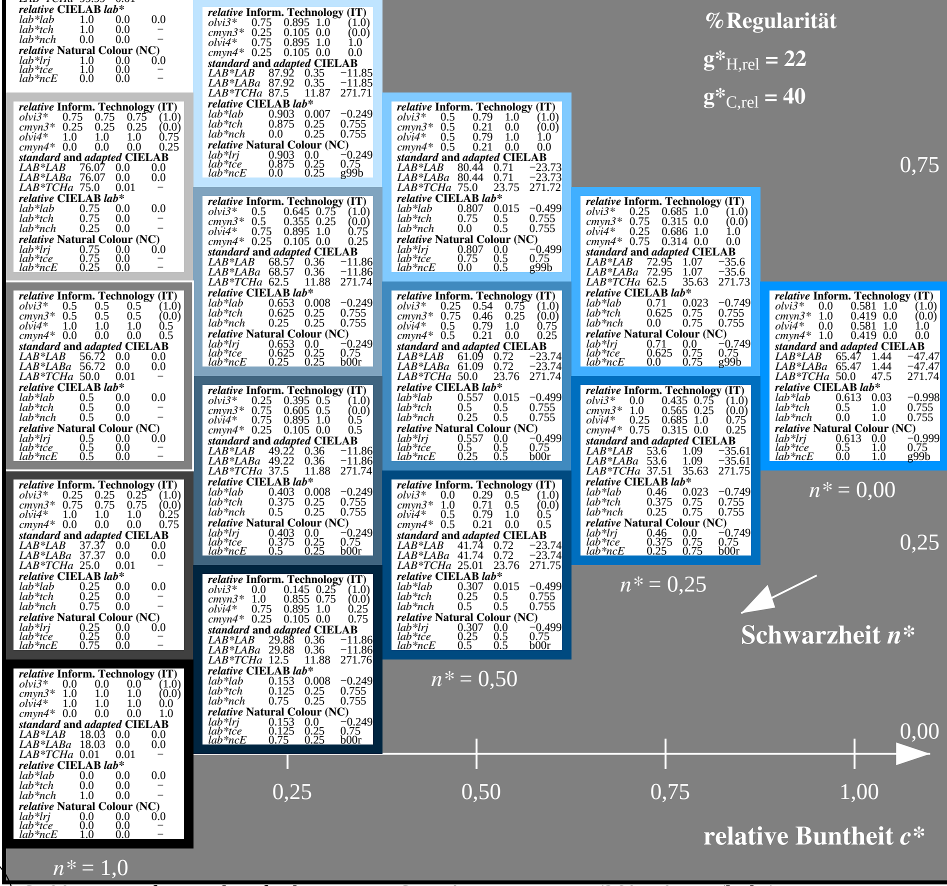


%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

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

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

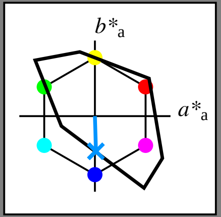


Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

D65: Buntton B
LCH*Ma: 65 48 272
olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit *t**

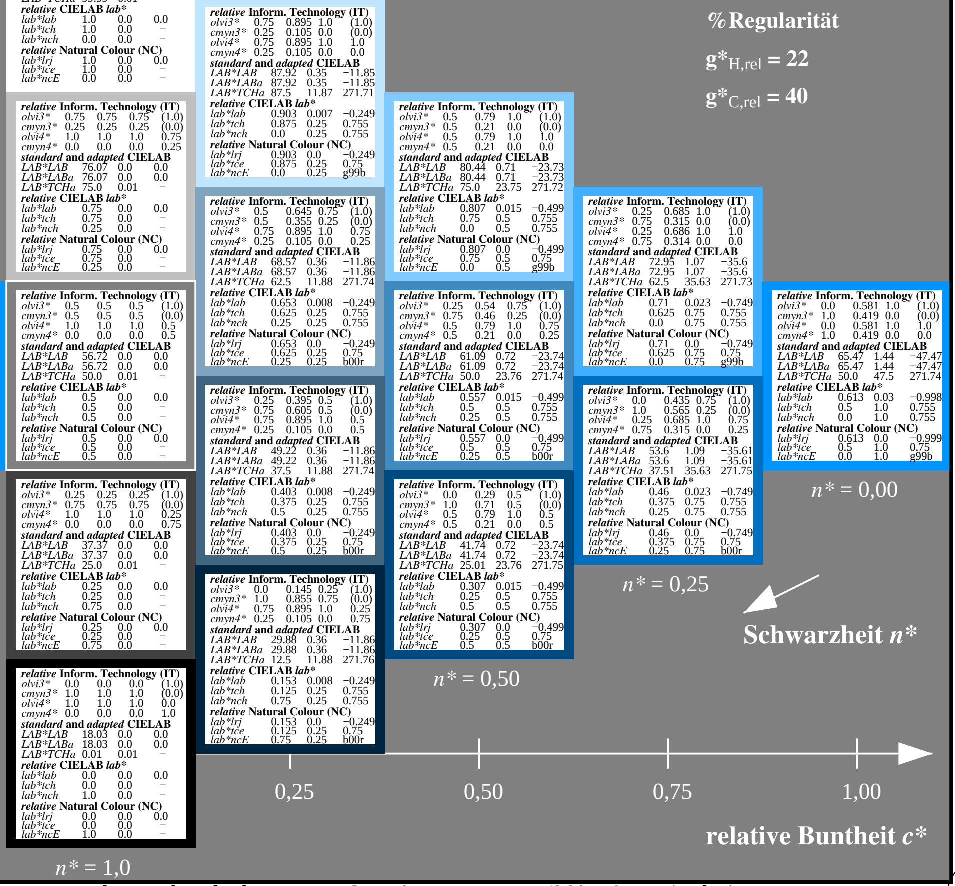


%Umfang
u^*_{rel} = 118

TLS18; adaptierte CIELAB-Daten

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

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



NG590−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)
5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

BAM-Registrierung: 20060101-NG59/10L/L59G09NA.PS/.TXT BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

BAM-Prüfvorlage NG59; Farbmetrik-Systeme TLS18 & TLS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change compared to input*