

Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

für Buntton $h^* = lab^*h = 22/360 = 0.061$

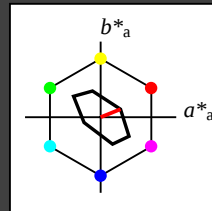
lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 16$

%Regularität

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

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

TLS70; adaptierte CIELAB-Daten

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

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 40/360 = 0.111$

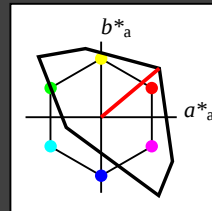
lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 158$

%Regularität

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

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

TLS00; adaptierte CIELAB-Daten

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

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 0.5
cmyn4* 0.0 0.0 0.0 0.5

standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -

relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0

standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

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

relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 1.0
cmyn4* 0.0 0.5 0.5 0.0

standard and adapted CIELAB
LAB*LAB 72.95 38.45 32.27
LAB*LABa 72.95 38.45 32.27
LAB*TCHa 75.0 50.2 40.0

relative CIELAB lab*
lab*lab 0.765 0.383 0.321
lab*tch 0.75 0.5 0.111
lab*nch 0.0 0.5 0.111

relative Natural Colour (NC)
lab*lrj 0.765 0.471 0.167
lab*tce 0.75 0.5 0.054
lab*nce 0.0 0.5 r21j

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 1.0 1.0 (0.0)
olvi4* 1.0 0.5 0.5 0.5
cmyn4* 0.0 0.5 0.5 0.5

standard and adapted CIELAB
LAB*LAB 25.26 38.45 32.27
LAB*LABa 25.26 38.45 32.27
LAB*TCHa 25.01 50.2 40.0

relative CIELAB lab*
lab*lab 0.265 0.383 0.321
lab*tch 0.25 0.5 0.111
lab*nch 0.5 0.5 0.111

relative Natural Colour (NC)
lab*lrj 0.265 0.471 0.167
lab*tce 0.25 0.5 0.054
lab*nce 0.5 0.5 r21j

relative Inform. Technology (IT)
olvi3* 1.0 0.0 0.0 (1.0)
cmyn3* 0.0 1.0 1.0 (0.0)
olvi4* 1.0 0.0 0.0 1.0
cmyn4* 0.0 1.0 1.0 0.0

standard and adapted CIELAB
LAB*LAB 50.5 76.9 64.54
LAB*LABa 50.5 76.9 64.54
LAB*TCHa 50.0 100.4 40.0

relative CIELAB lab*
lab*lab 0.529 0.766 0.643
lab*tch 0.5 1.0 0.111
lab*nch 0.0 1.0 0.111

relative Natural Colour (NC)
lab*lrj 0.529 0.942 0.335
lab*tce 0.5 1.0 0.054
lab*nce 0.0 1.0 r21j

relative Buntheit c^*

$n^* = 1,0$

Schwarzheit n^*

$n^* = 0,00$

relative Buntheit c^*

$n^* = 0,00$

Schwarzheit n^*

NG080-7, 3 stufige Reihen für konstanten CIELAB Buntton 22/360 = 0.061 (links)

3 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (rechts)

BAM-Prüfvorlage NG08; Farbmétrik-Systeme TLS70 & TLS00 input: olv* setrgbcolor

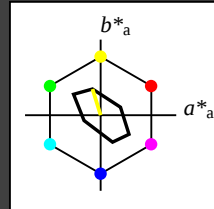
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: olv* setrgbcolor / w* setgray

Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

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

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

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 16$

%Regularität

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

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

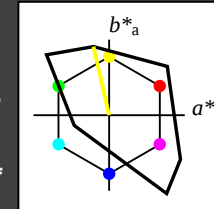
TLS70; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

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

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

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 158$

%Regularität

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

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

TLS00; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCa 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 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 1.0
cmyn4* 0.0 0.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 94.03 -10.34 45.37
LAB*LABa 94.03 -10.34 45.37
LAB*TCa 75.0 46.53 102.85

relative CIELAB lab*
lab*lab 0.985 -0.11 0.487
lab*tch 0.75 0.5 0.286
lab*nch 0.0 0.5 0.286
relative Natural Colour (NC)
lab*lrj 0.985 -0.116 0.486
lab*tce 0.75 0.5 0.288
lab*nce 0.0 0.5 j15g

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (1.0)
cmyn3* 0.5 0.5 1.0 (0.0)
olvi4* 1.0 1.0 0.5 0.5
cmyn4* 0.0 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 46.34 -10.34 45.37
LAB*LABa 46.34 -10.34 45.37
LAB*TCa 25.01 46.53 102.85

relative CIELAB lab*
lab*lab 0.486 -0.11 0.487
lab*tch 0.25 0.5 0.286
lab*nch 0.5 0.5 0.286
relative Natural Colour (NC)
lab*lrj 0.486 -0.116 0.486
lab*tce 0.25 0.5 0.288
lab*nce 0.5 0.5 j15g

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.0 (1.0)
cmyn3* 0.0 0.0 1.0 (0.0)
olvi4* 1.0 1.0 0.0 1.0
cmyn4* 0.0 0.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 92.65 -20.69 90.73
LAB*LABa 92.65 -20.69 90.73
LAB*TCa 50.0 93.06 102.85

relative CIELAB lab*
lab*lab 0.971 -0.221 0.975
lab*tch 0.5 1.0 0.286
lab*nch 0.0 1.0 0.286
relative Natural Colour (NC)
lab*lrj 0.971 -0.233 0.972
lab*tce 0.5 1.0 0.288
lab*nce 0.0 1.0 j15g

relative Buntheit c^*

Schwarzheit n^*

$n^* = 1,0$

relative Buntheit c^*

Schwarzheit n^*

$n^* = 1,0$

NG080-7, 3 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (links)

3 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (rechts)

BAM-Prüfvorlage NG08; Farbmétrik-Systeme TLS70 & TLS00 input: olv* setrgbcolor

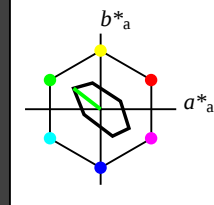
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: olv* setrgbcolor / w* setgray

Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

für Buntton $h^* = lab^*h = 142/360 = 0.395$
 lab^*tch und lab^*nch

D65: Buntton L
LCH*Ma: 89 45 142
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



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

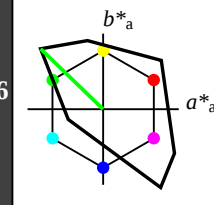
TLS70; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 136/360 = 0.378$
 lab^*tch und lab^*nch

D65: Buntton L
LCH*Ma: 84 115 136
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



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

TLS00; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

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

relative Inform. Technology (IT)					
olvi3*	0.5	1.0	0.5	(1.0)	
cmyn3*	0.5	0.0	0.5	(0.0)	
olvi4*	0.5	1.0	0.5	1.0	
cmyn4*	0.5	0.0	0.5	0.0	
standard and adapted CIELAB					
LAB*LAB	89.51	-41.36	39.94		
LAB*LABa	89.51	-41.36	39.94		
LAB*TCa	75.0	57.51	136.01		
relative CIELAB lab*					
lab*lab	0.938	-0.359	0.347		
lab*tch	0.75	0.5	0.378		
lab*nch	0.0	0.5	0.378		
relative Natural Colour (NC)					
lab*lrj	0.938	-0.415	0.278		
lab*tce	0.75	0.5	0.406		
lab*nce	0.0	0.5	0.62g		

relative Inform. Technology (IT)					
olvi3*	0.0	1.0	0.0	(1.0)	
cmyn3*	1.0	0.0	1.0	(0.0)	
olvi4*	0.0	1.0	0.0	1.0	
cmyn4*	1.0	0.0	1.0	0.0	
standard and adapted CIELAB					
LAB*LAB	83.62	-82.73	79.88		
LAB*LABa	83.62	-82.73	79.88		
LAB*TCa	50.0	115.01	136.01		
relative CIELAB lab*					
lab*lab	0.876	-0.718	0.694		
lab*tch	0.5	1.0	0.378		
lab*nch	0.0	1.0	0.378		
relative Natural Colour (NC)					
lab*lrj	0.876	-0.83	0.555		
lab*tce	0.5	1.0	0.406		
lab*nce	0.0	1.0	0.62g		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	0.5	
cmyn4*	0.0	0.0	0.0	0.5	
standard and adapted CIELAB					
LAB*LAB	47.72	0.0	0.0		
LAB*LABa	47.72	0.0	0.0		
LAB*TCa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.5	0.0	-		
relative Natural Colour (NC)					
lab*lrj	0.5	0.0	0.0		
lab*tce	0.5	0.0	-		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	0.0	
cmyn4*	0.0	0.0	0.0	1.0	
standard and adapted CIELAB					
LAB*LAB	0.03	0.0	0.0		
LAB*LABa	0.03	0.0	0.0		
LAB*TCa	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*	0.0	0.5	0.0	(1.0)	
cmyn3*	1.0	0.5	1.0	(0.0)	
olvi4*	0.5	1.0	0.5	0.5	
cmyn4*	0.5	0.0	0.5	0.5	
standard and adapted CIELAB					
LAB*LAB	41.82	-41.36	39.94		
LAB*LABa	41.82	-41.36	39.94		
LAB*TCa	25.01	57.51	136.01		
relative CIELAB lab*					
lab*lab	0.438	-0.359	0.347		
lab*tch	0.25	0.5	0.378		
lab*nch	0.5	0.5	0.378		
relative Natural Colour (NC)					
lab*lrj	0.438	-0.415	0.278		
lab*tce	0.25	0.5	0.406		
lab*nce	0.5	0.5	0.62g		

relative Inform. Technology (IT)					
olvi3*	0.0	1.0	0.0	(1.0)	
cmyn3*	1.0	0.0	1.0	(0.0)	
olvi4*	0.0	1.0	0.0	1.0	
cmyn4*	1.0	0.0	1.0	0.0	
standard and adapted CIELAB					
LAB*LAB	83.62	-82.73	79.88		
LAB*LABa	83.62	-82.73	79.88		
LAB*TCa	50.0	115.01	136.01		
relative CIELAB lab*					
lab*lab	0.876	-0.718	0.694		
lab*tch	0.5	1.0	0.378		
lab*nch	0.0	1.0	0.378		
relative Natural Colour (NC)					
lab*lrj	0.876	-0.83	0.555		
lab*tce	0.5	1.0	0.406		
lab*nce	0.0	1.0	0.62g		

$n^* = 0.00$
Schwarzheit n^*
relative Buntheit c^*

$n^* = 0.00$
Schwarzheit n^*
relative Buntheit c^*

0,25 0,50 $n^* = 0.50$ 0,75 1,00
relative Buntheit c^*

0,25 0,50 $n^* = 0.50$ 0,75 1,00
relative Buntheit c^*

$n^* = 1.0$

$n^* = 1.0$

NG080-7, 3 stufige Reihen für konstanten CIELAB Buntton 142/360 = 0.395 (links)

3 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (rechts)

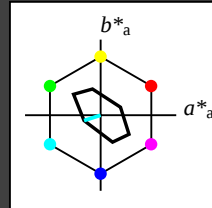
BAM-Prüfvorlage NG08; Farbmétrik-Systeme TLS70 & TLS00 input: olv* setrgbcolor
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: olv* setrgbcolor / w* setgray

Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

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

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

Dreiecks-Helligkeit t^*



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

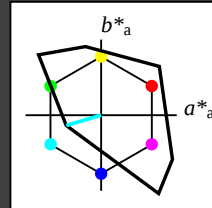
TLS70; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

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

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

Dreiecks-Helligkeit t^*



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

TLS00; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

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

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

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

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	0.5	
cmyn4*	0.0	0.0	0.0	0.5	
standard and adapted CIELAB					
LAB*LAB	47.72	0.0	0.0		
LAB*LABa	47.72	0.0	0.0		
LAB*TCHa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.5	0.0	-		
relative Natural Colour (NC)					
lab*lrj	0.5	0.0	0.0		
lab*tce	0.5	0.0	-		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	0.0	
cmyn4*	0.0	0.0	0.0	1.0	
standard and adapted CIELAB					
LAB*LAB	0.03	0.0	0.0		
LAB*LABa	0.03	0.0	0.0		
LAB*TCHa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	1.0	0.0	-		
relative Natural Colour (NC)					
lab*lrj	0.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	1.0	0.0	-		

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

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

$n^* = 0.00$
Schwarzheit n^*
relative Buntheit c^*

$n^* = 0.00$
Schwarzheit n^*
relative Buntheit c^*

NG080-7, 3 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (links)

3 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (rechts)

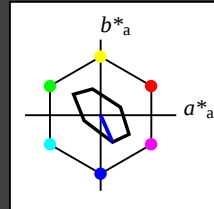
BAM-Prüfvorlage NG08; Farbmétrik-Systeme TLS70 & TLS00 input: olv* setrgbcolor
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: olv* setrgbcolor / w* setgray

Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

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

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

Dreiecks-Helligkeit t^*



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

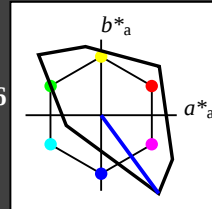
TLS70; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

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

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

Dreiecks-Helligkeit t^*



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

TLS00; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

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

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	1.0	(1.0)	
cmyn3*	0.5	0.5	0.0	(0.0)	
olvi4*	0.5	0.5	1.0	1.0	
cmyn4*	0.5	0.5	0.0	0.0	
standard and adapted CIELAB					
LAB*LAB	62.9	38.02	-51.78		
LAB*LABa	62.9	38.02	-51.78		
LAB*TBa	75.0	64.25	306.29		
relative CIELAB lab*					
lab*lab	0.659	0.296	-0.402		
lab*tch	0.75	0.5	0.851		
lab*nch	0.0	0.5	0.851		
relative Natural Colour (NC)					
lab*lrj	0.659	0.23	-0.443		
lab*tce	0.75	0.5	0.826		
lab*nce	0.0	0.5	0.851		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	1.0	(1.0)	
cmyn3*	1.0	1.0	0.0	(0.0)	
olvi4*	0.0	0.0	1.0	1.0	
cmyn4*	1.0	1.0	0.0	0.0	
standard and adapted CIELAB					
LAB*LAB	30.39	76.04	-103.57		
LAB*LABa	30.39	76.04	-103.57		
LAB*TBa	50.0	128.5	306.29		
relative CIELAB lab*					
lab*lab	0.318	0.592	-0.805		
lab*tch	0.5	1.0	0.851		
lab*nch	0.0	1.0	0.851		
relative Natural Colour (NC)					
lab*lrj	0.318	0.459	-0.887		
lab*tce	0.5	1.0	0.826		
lab*nce	0.0	1.0	0.851		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	0.5	
cmyn4*	0.0	0.0	0.0	0.5	
standard and adapted CIELAB					
LAB*LAB	47.72	0.0	0.0		
LAB*LABa	47.72	0.0	0.0		
LAB*TBa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.5	0.0	-		
relative Natural Colour (NC)					
lab*lrj	0.5	0.0	0.0		
lab*tce	0.5	0.0	-		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	0.0	
cmyn4*	0.0	0.0	0.0	1.0	
standard and adapted CIELAB					
LAB*LAB	0.03	0.0	0.0		
LAB*LABa	0.03	0.0	0.0		
LAB*TBa	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*	0.0	0.0	0.5	(1.0)	
cmyn3*	1.0	1.0	0.5	(0.0)	
olvi4*	0.5	0.5	1.0	0.5	
cmyn4*	0.5	0.5	0.0	0.5	
standard and adapted CIELAB					
LAB*LAB	15.21	38.02	-51.78		
LAB*LABa	15.21	38.02	-51.78		
LAB*TBa	25.01	64.25	306.29		
relative CIELAB lab*					
lab*lab	0.159	0.296	-0.402		
lab*tch	0.25	0.5	0.851		
lab*nch	0.5	0.5	0.851		
relative Natural Colour (NC)					
lab*lrj	0.159	0.23	-0.443		
lab*tce	0.25	0.5	0.826		
lab*nce	0.5	0.5	0.851		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	1.0	(1.0)	
cmyn3*	1.0	1.0	0.0	(0.0)	
olvi4*	0.0	0.0	1.0	1.0	
cmyn4*	1.0	1.0	0.0	0.0	
standard and adapted CIELAB					
LAB*LAB	30.39	76.04	-103.57		
LAB*LABa	30.39	76.04	-103.57		
LAB*TBa	50.0	128.5	306.29		
relative CIELAB lab*					
lab*lab	0.318	0.592	-0.805		
lab*tch	0.5	1.0	0.851		
lab*nch	0.0	1.0	0.851		
relative Natural Colour (NC)					
lab*lrj	0.318	0.459	-0.887		
lab*tce	0.5	1.0	0.826		
lab*nce	0.0	1.0	0.851		

$n^* = 0.00$
Schwarzheit n^*
relative Buntheit c^*

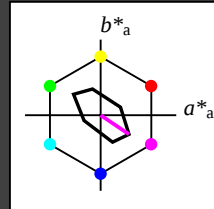
$n^* = 0.00$
Schwarzheit n^*
relative Buntheit c^*

Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

für Buntton $h^* = lab^*h = 326/360 = 0.906$
 lab^*tch und lab^*nch

D65: Buntton M
LCH*Ma: 79 45 326
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 16$

%Regularität

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

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

TLS70; adaptierte CIELAB-Daten

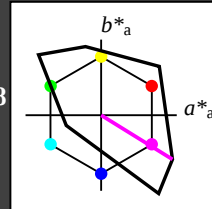
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}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

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 328/360 = 0.912$
 lab^*tch und lab^*nch

D65: Buntton M
LCH*Ma: 57 111 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 158$

%Regularität

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

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

TLS00; adaptierte CIELAB-Daten

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

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TBa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 0.5
cmyn4* 0.0 0.0 0.0 0.5

standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TBa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -

relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0

standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TBa 0.01 0.01 -

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

relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 1.0
cmyn4* 0.0 0.5 0.0 0.0

standard and adapted CIELAB
LAB*LAB 76.35 47.17 -29.19
LAB*LABa 76.35 47.17 -29.19
LAB*TBa 75.0 55.47 328.23

relative CIELAB lab*
lab*lab 0.8 0.425 -0.262
lab*tch 0.75 0.5 0.912
lab*nch 0.0 0.5 0.912

relative Natural Colour (NC)
lab*lrj 0.8 0.352 -0.354
lab*tce 0.75 0.5 0.874
lab*nce 0.0 0.5 b49r

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 1.0 0.5 (0.0)
olvi4* 1.0 0.5 1.0 0.5
cmyn4* 0.0 0.5 0.0 0.5

standard and adapted CIELAB
LAB*LAB 28.66 47.17 -29.19
LAB*LABa 28.66 47.17 -29.19
LAB*TBa 25.01 55.47 328.23

relative CIELAB lab*
lab*lab 0.3 0.425 -0.262
lab*tch 0.25 0.5 0.912
lab*nch 0.5 0.5 0.912

relative Natural Colour (NC)
lab*lrj 0.3 0.352 -0.354
lab*tce 0.25 0.5 0.874
lab*nce 0.5 0.5 b49r

relative Inform. Technology (IT)
olvi3* 1.0 0.0 1.0 (1.0)
cmyn3* 0.0 1.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 1.0
cmyn4* 0.0 1.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 57.3 94.33 -58.4
LAB*LABa 57.3 94.33 -58.4
LAB*TBa 50.0 110.95 328.23

relative CIELAB lab*
lab*lab 0.601 0.85 -0.525
lab*tch 0.5 1.0 0.912
lab*nch 0.0 1.0 0.912

relative Natural Colour (NC)
lab*lrj 0.601 0.703 -0.71
lab*tce 0.5 1.0 0.874
lab*nce 0.0 1.0 b49r

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

Schwarzheit n^*

$n^* = 0,00$

$n^* = 1,0$

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

Schwarzheit n^*

$n^* = 0,00$

NG080-7, 3 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (links)

3 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (rechts)

BAM-Prüfvorlage NG08; Farbmétrik-Systeme TLS70 & TLS00 input: olv* setrgbcolor

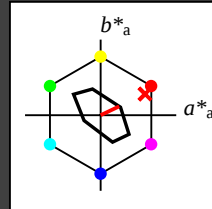
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: olv* setrgbcolor / w* setgray

Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

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

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

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 16$

%Regularität

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

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

TLS70; adaptierte CIELAB-Daten

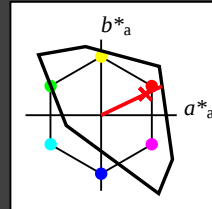
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}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

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

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

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

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 158$

%Regularität

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

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

TLS00; adaptierte CIELAB-Daten

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

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 0.5
cmyn4* 0.0 0.0 0.0 0.5

standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -

relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0

standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

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

relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.606 (1.0)
cmyn3* 0.0 0.5 0.394 (0.0)
olvi4* 1.0 0.5 0.606 1.0
cmyn4* 0.0 0.5 0.394 0.0

standard and adapted CIELAB
LAB*LAB 73.67 40.3 19.2
LAB*LABa 73.67 40.3 19.2
LAB*TCHa 75.0 44.64 25.47

relative CIELAB lab*
lab*lab 0.772 0.451 0.215
lab*tch 0.75 0.5 0.071
lab*nch 0.0 0.5 0.071

relative Natural Colour (NC)
lab*lrj 0.772 0.5 0.0
lab*tce 0.75 0.5 1.0
lab*nce 0.0 0.5 0.99r

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.106 (1.0)
cmyn3* 0.5 1.0 0.894 (0.0)
olvi4* 1.0 0.5 0.606 0.5
cmyn4* 0.0 0.5 0.394 0.5

standard and adapted CIELAB
LAB*LAB 25.98 40.3 19.21
LAB*LABa 25.98 40.3 19.21
LAB*TCHa 25.01 44.65 25.49

relative CIELAB lab*
lab*lab 0.272 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.5 0.5 0.071

relative Natural Colour (NC)
lab*lrj 0.272 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.5 0.5 0.00j

relative Inform. Technology (IT)
olvi3* 1.0 0.0 0.213 (1.0)
cmyn3* 0.0 1.0 0.787 (0.0)
olvi4* 1.0 0.0 0.213 1.0
cmyn4* 0.0 1.0 0.787 0.0

standard and adapted CIELAB
LAB*LAB 51.94 80.61 38.42
LAB*LABa 51.94 80.61 38.42
LAB*TCHa 50.0 89.29 25.48

relative CIELAB lab*
lab*lab 0.544 0.903 0.43
lab*tch 0.5 1.0 0.071
lab*nch 0.0 1.0 0.071

relative Natural Colour (NC)
lab*lrj 0.544 1.0 0.0
lab*tce 0.5 1.0 0.0
lab*nce 0.0 1.0 0.00j

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG08/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB

BAM-Registrierung: 20060101-NG08/10S/S08G06FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen
/NG08/ Form: 7/10, Serie: 1/1, Seite: 7
Satzanz hlung 7

NG080-7, 3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

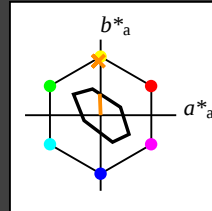
BAM-Prüfvorlage NG08; Farbmétrik-Systeme TLS70 & TLS00 input: olv* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: olv* setrgbcolor / w* setgray

Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

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

D65: Buntton J
LCH*Ma: 89 28 92
olv*Ma: 1.0 0.74 0.0
Dreiecks-Helligkeit t^*



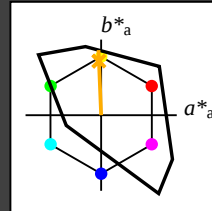
%Umfang
 $u^*_{rel} = 16$
%Regularität
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

TLS70; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

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

D65: Buntton J
LCH*Ma: 85 86 92
olv*Ma: 1.0 0.82 0.0
Dreiecks-Helligkeit t^*



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

TLS00; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

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

relative Inform. Technology (IT)
olvi3* 1.0 0.912 0.5 (1.0)
cmyn3* 0.0 0.088 0.5 (0.0)
olvi4* 1.0 0.912 0.5 1.0
cmyn4* 0.0 0.088 0.5 0.0
standard and adapted CIELAB
LAB*LAB 90.31 -1.74 43.06
LAB*LABa 90.31 -1.74 43.06
LAB*TCHa 75.0 43.09 92.32
relative CIELAB lab*
lab*lab 0.947 -0.019 0.499
lab*tch 0.75 0.5 0.256
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*lrj 0.947 0.0 0.5
lab*tce 0.75 0.5 0.25
lab*nce 0.0 0.5 0.00g

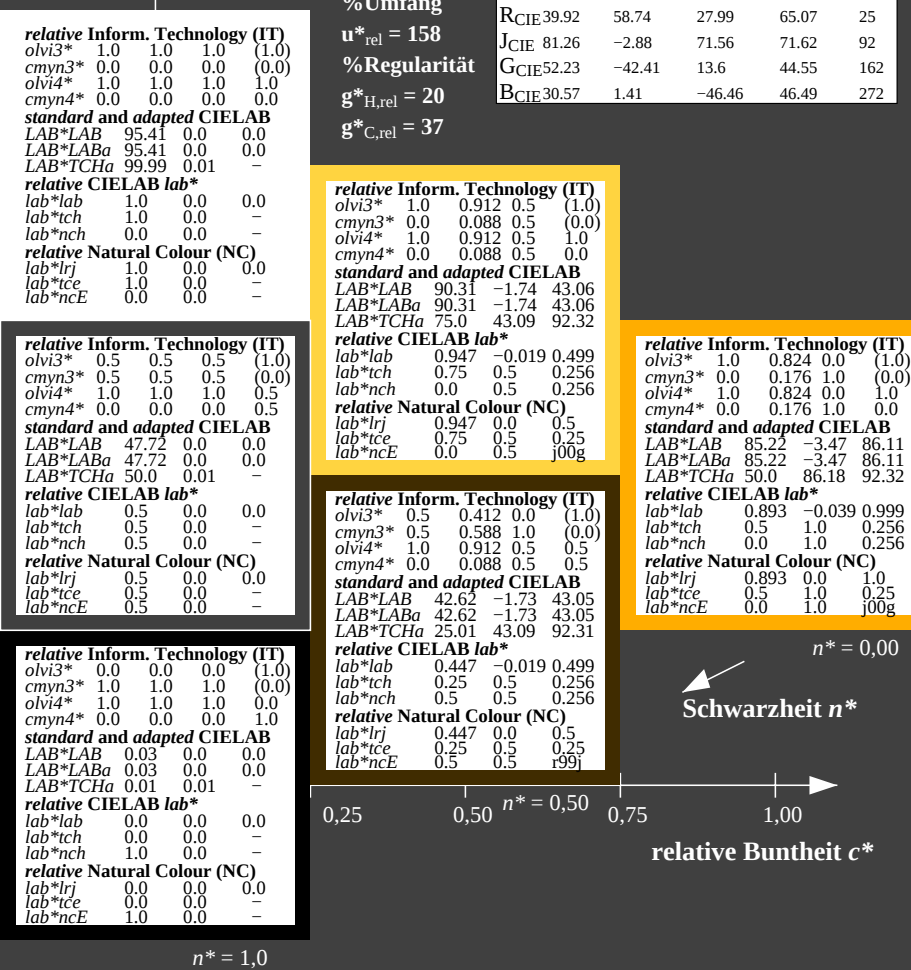
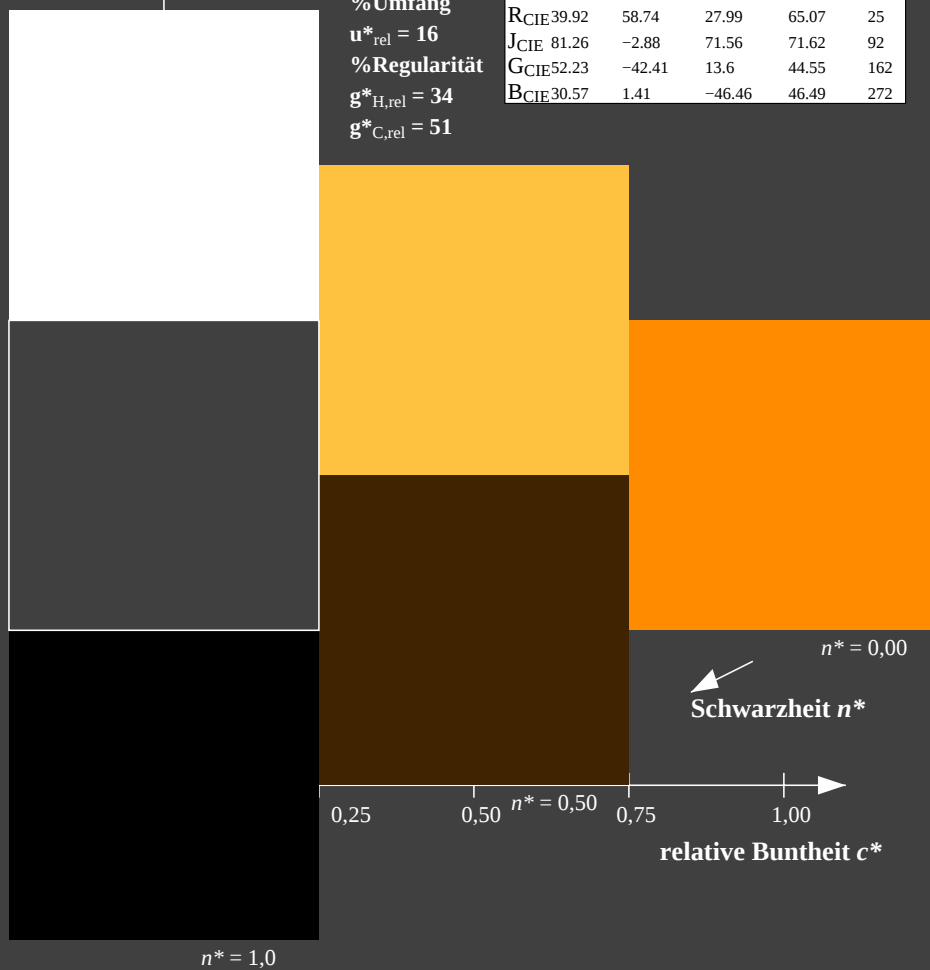
relative Inform. Technology (IT)
olvi3* 1.0 0.824 0.0 (1.0)
cmyn3* 0.0 0.176 1.0 (0.0)
olvi4* 1.0 0.824 0.0 1.0
cmyn4* 0.0 0.176 1.0 0.0
standard and adapted CIELAB
LAB*LAB 85.22 -3.47 86.11
LAB*LABa 85.22 -3.47 86.11
LAB*TCHa 50.0 86.18 92.32
relative CIELAB lab*
lab*lab 0.893 -0.039 0.999
lab*tch 0.5 1.0 0.256
lab*nch 0.0 1.0 0.256
relative Natural Colour (NC)
lab*lrj 0.893 0.0 1.0
lab*tce 0.5 1.0 0.25
lab*nce 0.0 1.0 0.00g

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.01 -
relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.412 0.0 (1.0)
cmyn3* 0.5 0.588 1.0 (0.0)
olvi4* 1.0 0.912 0.5 0.5
cmyn4* 0.0 0.088 0.5 0.5
standard and adapted CIELAB
LAB*LAB 42.62 -1.73 43.05
LAB*LABa 42.62 -1.73 43.05
LAB*TCHa 25.01 43.09 92.31
relative CIELAB lab*
lab*lab 0.447 -0.019 0.499
lab*tch 0.25 0.5 0.256
lab*nch 0.5 0.5 0.256
relative Natural Colour (NC)
lab*lrj 0.447 0.0 0.5
lab*tce 0.25 0.5 0.25
lab*nce 0.5 0.5 0.09g

relative Inform. Technology (IT)
olvi3* 0.5 0.412 0.0 (1.0)
cmyn3* 0.5 0.588 1.0 (0.0)
olvi4* 1.0 0.912 0.5 0.5
cmyn4* 0.0 0.088 0.5 0.5
standard and adapted CIELAB
LAB*LAB 42.62 -1.73 43.05
LAB*LABa 42.62 -1.73 43.05
LAB*TCHa 25.01 43.09 92.31
relative CIELAB lab*
lab*lab 0.447 -0.019 0.499
lab*tch 0.25 0.5 0.256
lab*nch 0.5 0.5 0.256
relative Natural Colour (NC)
lab*lrj 0.447 0.0 0.5
lab*tce 0.25 0.5 0.25
lab*nce 0.5 0.5 0.09g

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

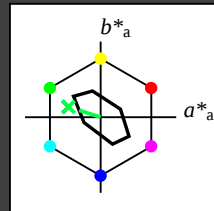


Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

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

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

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 16$

%Regularität

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

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

TLS70; adaptierte CIELAB-Daten

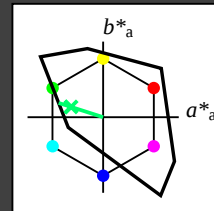
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}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

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

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

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

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 158$

%Regularität

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

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

TLS00; adaptierte CIELAB-Daten

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

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.826 (1.0)
cmyn3* 0.5 0.0 0.174 (0.0)
olvi4* 0.5 1.0 0.827 1.0
cmyn4* 0.5 0.0 0.173 0.0

standard and adapted CIELAB
LAB*LAB 90.57 -29.42 9.43
LAB*LABa 90.57 -29.42 9.43
LAB*TCa 75.0 30.9 162.23

relative CIELAB lab*
lab*lab 0.949 -0.475 0.153
lab*tch 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451

relative Natural Colour (NC)
lab*lrj 0.949 -0.499 0.0
lab*tce 0.75 0.5 0.5
lab*nce 0.0 0.5 g00b

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.653 (1.0)
cmyn3* 1.0 0.0 0.347 (0.0)
olvi4* 0.0 1.0 0.653 1.0
cmyn4* 1.0 0.0 0.347 0.0

standard and adapted CIELAB
LAB*LAB 85.74 -58.84 18.87
LAB*LABa 85.74 -58.84 18.87
LAB*TCa 50.0 61.8 162.23

relative CIELAB lab*
lab*lab 0.899 -0.951 0.305
lab*tch 0.5 1.0 0.451
lab*nch 0.0 1.0 0.451

relative Natural Colour (NC)
lab*lrj 0.899 -0.999 0.0
lab*tce 0.5 1.0 0.5
lab*nce 0.0 1.0 g00b

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.326 (1.0)
cmyn3* 1.0 0.5 0.674 (0.0)
olvi4* 0.5 1.0 0.826 0.5
cmyn4* 0.5 0.0 0.174 0.5

standard and adapted CIELAB
LAB*LAB 42.88 -29.42 9.44
LAB*LABa 42.88 -29.42 9.44
LAB*TCa 25.01 30.91 162.22

relative CIELAB lab*
lab*lab 0.449 -0.475 0.153
lab*tch 0.25 0.5 0.451
lab*nch 0.5 0.5 0.451

relative Natural Colour (NC)
lab*lrj 0.449 -0.499 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.5 0.5 g99g

$n^* = 0.00$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1.0$

$n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0

standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCa 0.01 0.01 -

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

relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

$n^* = 0.00$

Schwarzheit n^*

relative Buntheit c^*

NG080-7, 3 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

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

BAM-Prüfvorlage NG08; Farbmétrik-Systeme TLS70 & TLS00 input: olv* setrgbcolor

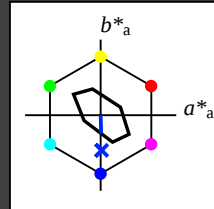
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: olv* setrgbcolor / w* setgray

Eingabe: Farbmétrisches Fernseh-Licht-System TLS70

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

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

Dreiecks-Helligkeit t^*



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

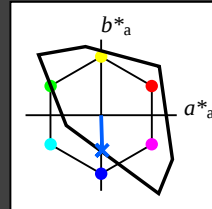
TLS70; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

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

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

Dreiecks-Helligkeit t^*



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

TLS00; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

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

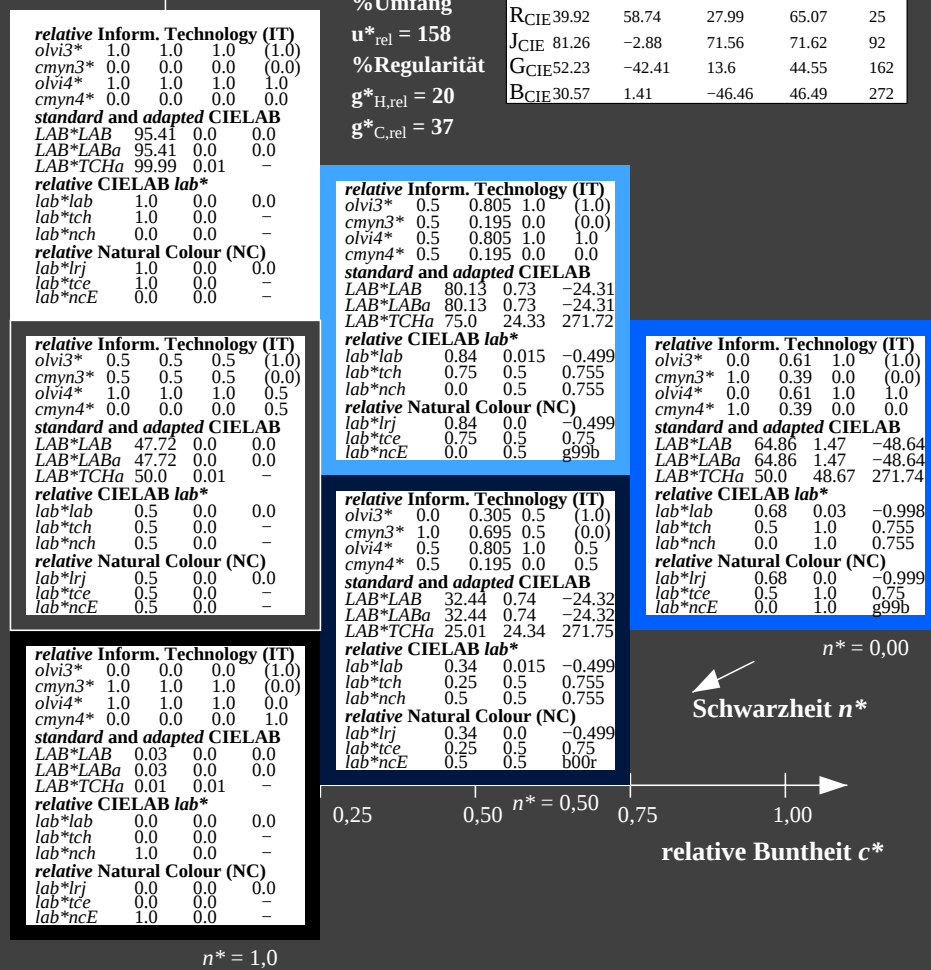
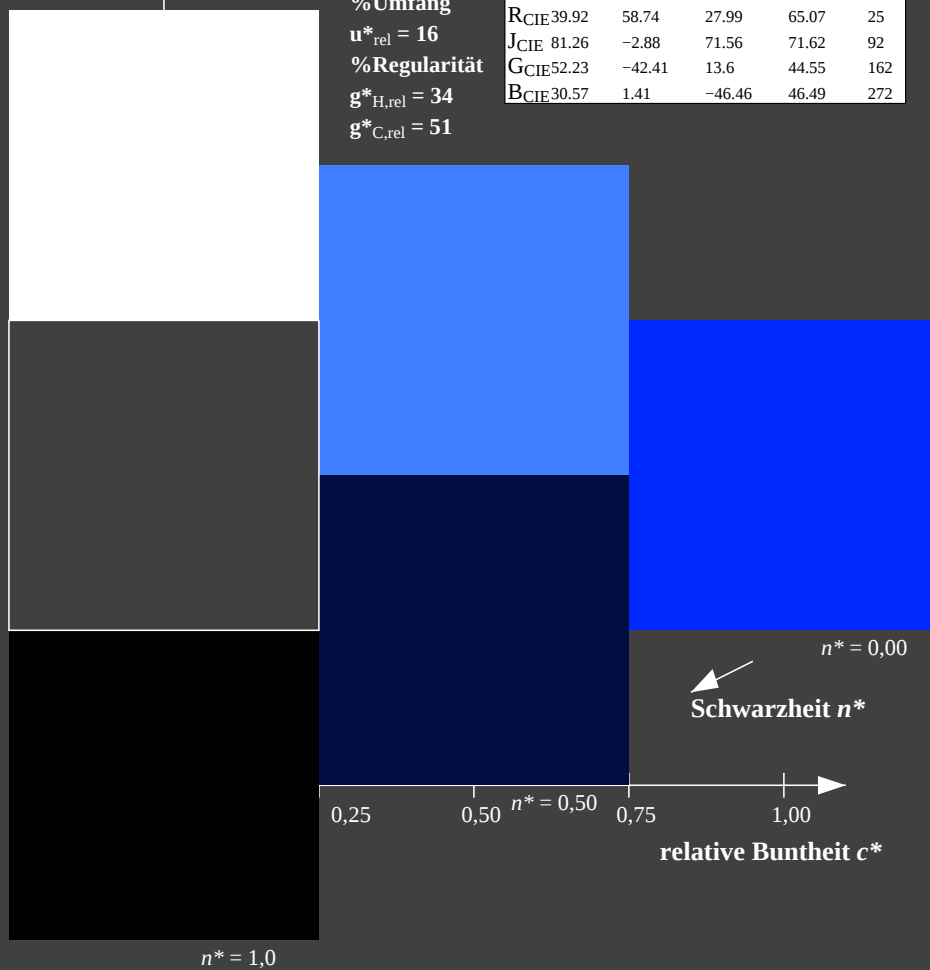
relative Inform. Technology (IT)					
olvi3*	0.5	0.805	1.0	(1.0)	
cmyn3*	0.5	0.195	0.0	(0.0)	
olvi4*	0.5	0.805	1.0	1.0	
cmyn4*	0.5	0.195	0.0	0.0	
standard and adapted CIELAB					
LAB*LAB	80.13	0.73	-24.31		
LAB*LABa	80.13	0.73	-24.31		
LAB*TBa	75.0	24.33	271.72		
relative CIELAB lab*					
lab*lab	0.84	0.015	-0.499		
lab*tch	0.75	0.5	0.755		
lab*nch	0.0	0.5	0.755		
relative Natural Colour (NC)					
lab*lrj	0.84	0.0	-0.499		
lab*tce	0.75	0.5	0.75		
lab*nce	0.0	0.5	g99b		

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

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	0.5	
cmyn4*	0.0	0.0	0.0	0.5	
standard and adapted CIELAB					
LAB*LAB	47.72	0.0	0.0		
LAB*LABa	47.72	0.0	0.0		
LAB*TBa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.5	0.0	-		
relative Natural Colour (NC)					
lab*lrj	0.5	0.0	0.0		
lab*tce	0.5	0.0	-		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.305	0.5	(1.0)	
cmyn3*	1.0	0.695	0.5	(0.0)	
olvi4*	0.5	0.805	1.0	0.5	
cmyn4*	0.5	0.195	0.0	0.5	
standard and adapted CIELAB					
LAB*LAB	32.44	0.74	-24.32		
LAB*LABa	32.44	0.74	-24.32		
LAB*TBa	25.01	24.34	271.75		
relative CIELAB lab*					
lab*lab	0.34	0.015	-0.499		
lab*tch	0.25	0.5	0.755		
lab*nch	0.5	0.5	0.755		
relative Natural Colour (NC)					
lab*lrj	0.34	0.0	-0.499		
lab*tce	0.25	0.5	0.75		
lab*nce	0.5	0.5	b00r		

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



NG080-7, 3 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

3 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

BAM-Prüfvorlage NG08; Farbmétrik-Systeme TLS70 & TLS00 input: olv* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: olv* setrgbcolor / w* setgray