

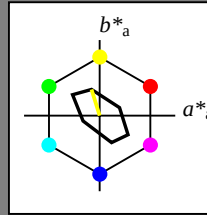
Eingabe: Farbmatisches Fernseh-Licht-System TLS70

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

1,00



TLS70; adaptierte CIELAB-Daten

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

%Regularität

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

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

1,00

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*LABb	95.41	0.0	0.0	
LAB*LABc	95.41	0.0	0.0	
LAB*LABd	95.41	0.0	0.0	
LAB*LABe	95.41	0.0	0.0	
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LAB*LABj	95.41	0.0	0.0	
LAB*LABk	95.41	0.0	0.0	
LAB*LABl	95.41	0.0	0.0	
LAB*LABm	95.41	0.0	0.0	
LAB*LABn	95.41	0.0	0.0	
LAB*LABo	95.41	0.0	0.0	
LAB*LABp	95.41	0.0	0.0	
LAB*LABq	95.41	0.0	0.0	
LAB*LABr	95.41	0.0	0.0	
LAB*LABs	95.41	0.0	0.0	
LAB*LABt	95.41	0.0	0.0	
LAB*LABu	95.41	0.0	0.0	
LAB*LABv	95.41	0.0	0.0	
LAB*LABw	95.41	0.0	0.0	
LAB*LABx	95.41	0.0	0.0	
LAB*LABy	95.41	0.0	0.0	
LAB*LABz	95.41	0.0	0.0	

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LAB*LABu	95.41	0.0	0.0	
LAB*LABv	95.41	0.0	0.0	
LAB*LABw	95.41	0.0	0.0	
LAB*LABx	95.41	0.0	0.0	
LAB*LABy	95.41	0.0	0.0	
LAB*LABz	95.41	0.0	0.0	

LAB*LABa	23.87	0.0	0.0
LAB*TCha	25.0	0.01	—
relative CIE Lab 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	—

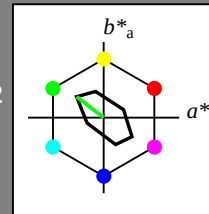
Eingabe: Farbmimetrisches Fernseh-Licht-System TLS70

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

1,00



%Umfang

$u^*_{rel} = 16$

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

%Regularität

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

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

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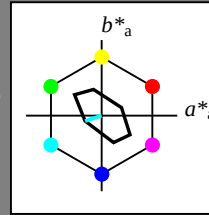
Eingabe: Farbmatisches Fernseh-Licht-System TLS70

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

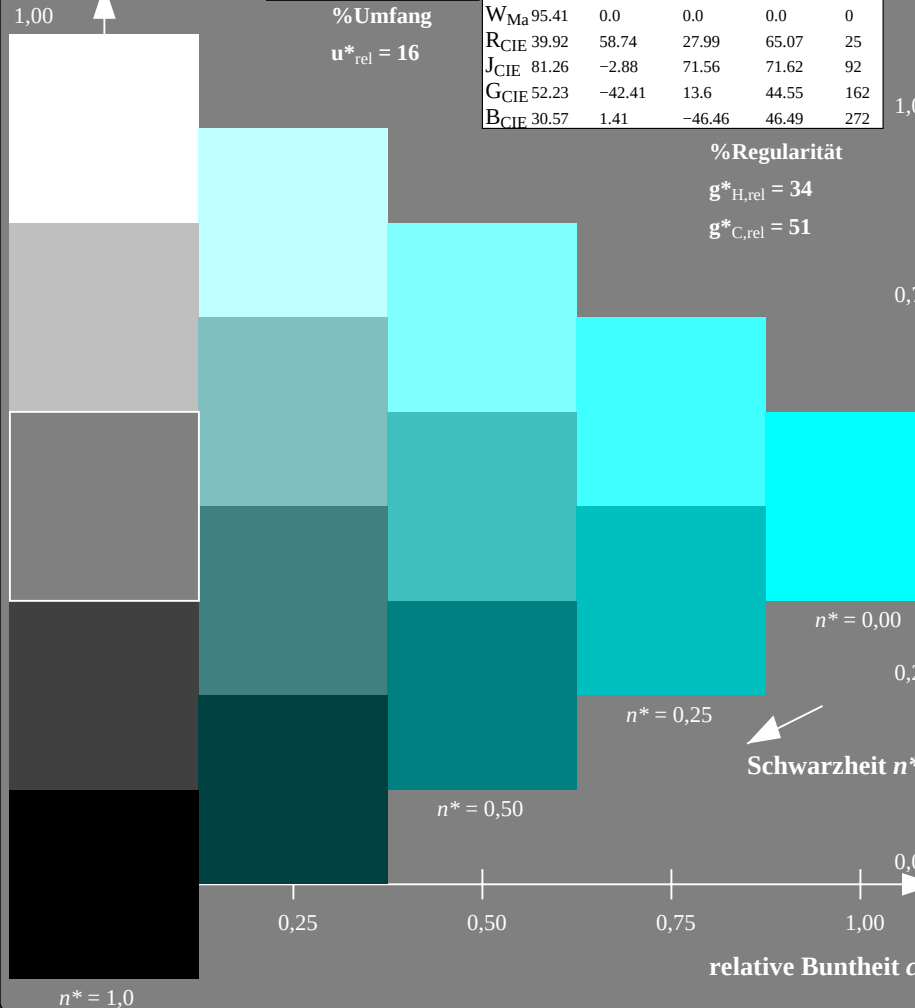


TLS70; adaptierte CIELAB-Daten					
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O _{Ma}	76.43	26.27	10.57	28.32	22
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%Regularität

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

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



NG480-7, 5 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (links)

BAM-Prüfvorlage NG48; Farbmatrik-Systeme TLS70 & TLS00 input: $olv^* setrgbcolor$

D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: *no change compared to input*

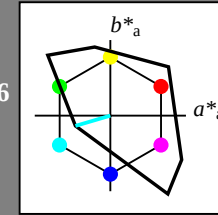
Ausgabe: Farbmatisches Fernseh-Licht-System TLS00

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

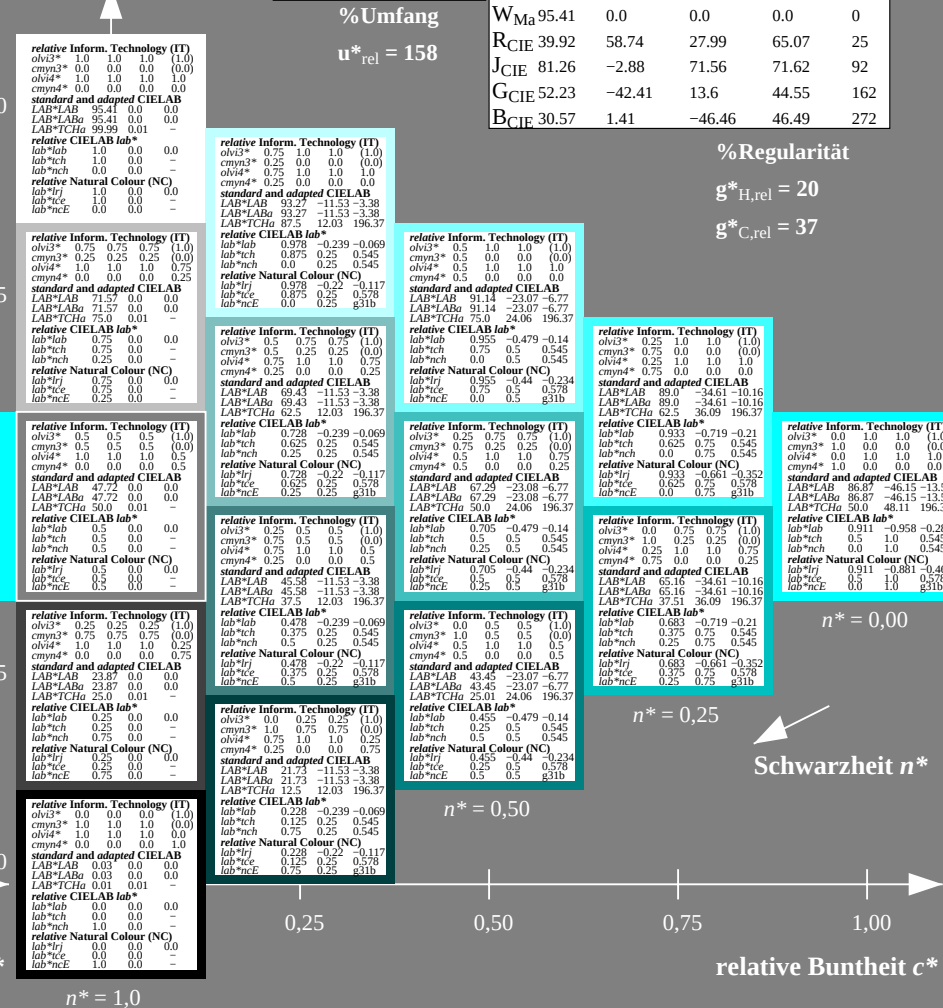


TLS00; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	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

%Regularität

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

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



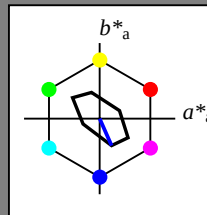
5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (rechts)

Eingabe: Farbmimetrisches 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



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

%Regularität

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

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

1,00

0,75

Schwarzheit n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

NG480-7, 5 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (links)

BAM-Prüfvorlage NG48; Farbmimetrik-Systeme TLS70 & TLS00 input: $olv^* setrgbcolor$

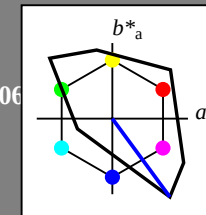
D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: no change compared to input

Ausgabe: Farbmimetrisches 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



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

%Regularität

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

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

1,00

0,75

Schwarzheit n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (rechts)

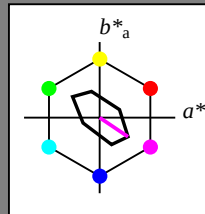
Eingabe: Farbmatisches Fernseh-Licht-System TLS70

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

1,00



%Umfang

$u^*_{rel} = 16$

TLS70; adaptierte CIELAB-Daten

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

%Regularität

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

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

1,00

relative Inform. Technology (IT)	olv3*	olv4*	olv5*	olv6*	olv7*	olv8*	olv9*	olv10*
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB
relative CIELAB lab*	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab
relative Natural Colour (NC)	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olv3*	olv4*	olv5*	olv6*	olv7*	olv8*	olv9*	olv10*
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB
relative CIELAB lab*	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab
relative Natural Colour (NC)	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olv3*	olv4*	olv5*	olv6*	olv7*	olv8*	olv9*	olv10*
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB
relative CIELAB lab*	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab
relative Natural Colour (NC)	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olv3*	olv4*	olv5*	olv6*	olv7*	olv8*	olv9*	olv10*
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB
relative CIELAB lab*	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab
relative Natural Colour (NC)	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olv3*	olv4*	olv5*	olv6*	olv7*	olv8*	olv9*	olv10*
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB
relative CIELAB lab*	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab
relative Natural Colour (NC)	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olv3*	olv4*	olv5*	olv6*	olv7*	olv8*	olv9*	olv10*
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB
relative CIELAB lab*	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab
relative Natural Colour (NC)	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olv3*	olv4*	olv5*	olv6*	olv7*	olv8*	olv9*	olv10*
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB
relative CIELAB lab*	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab
relative Natural Colour (NC)	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olv3*	olv4*	olv5*	olv6*	olv7*	olv8*	olv9*	olv10*
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB
relative CIELAB lab*	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab
relative Natural Colour (NC)	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olv3*	olv4*	olv5*	olv6*	olv7*	olv8*	olv9*	olv10*
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB
relative CIELAB lab*	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab
relative Natural Colour (NC)	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olv3*	olv4*	olv5*	olv6*	olv7*	olv8*	olv9*	olv10*
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB
relative CIELAB lab*	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab
relative Natural Colour (NC)	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olv3*	olv4*	olv5*	olv6*	olv7*	olv8*	olv9*	olv10*
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB
relative CIELAB lab*	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab
relative Natural Colour (NC)	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olv3*	olv4*	olv5*	olv6*	olv7*	olv8*	olv9*	olv10*
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB	LAB*LAB
relative CIELAB lab*	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab	lab*lab
relative Natural Colour (NC)	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj	lab*trj
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

BAM-Prüfvorlage NG48; Farbmatrik-Systeme TLS70 & TLS00 input: olv* setrgbcolor

D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: no change compared to input

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

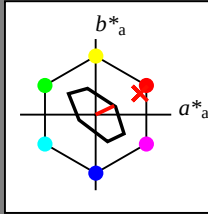
Eingabe: Farbmatisches Fernseh-Licht-System TLS70

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



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

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

NG480-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)



BAM-Prüfvorlage NG48; Farbmatrik-Systeme TLS70 & TLS00 input: olv* setrgbcolor
D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: no change compared to input

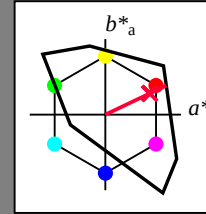
Ausgabe: Farbmatisches Fernseh-Licht-System TLS00

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



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

%Regularität

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

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

$n^* = 0,00$

$n^* = 0,25$

Schwarzheit n^*

relative Buntheit c^*

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



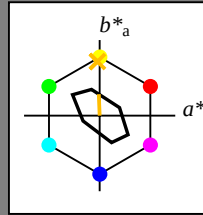
Eingabe: Farbmatisches Fernseh-Licht-System TLS70

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



TLS70; adaptierte CIELAB-Daten

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

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

NG480-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)



BAM-Prüfvorlage NG48; Farbmatrik-Systeme TLS70 & TLS00 input: olv* setrgbcolor

D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: no change compared to input

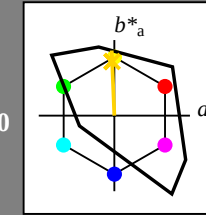
Ausgabe: Farbmatisches Fernseh-Licht-System TLS00

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



%Umfang

$u^*_{rel} = 158$

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

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

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



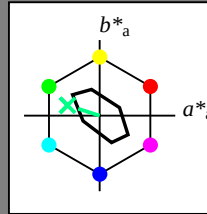
Eingabe: Farbmimetrisches Fernseh-Licht-System TLS70

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



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

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

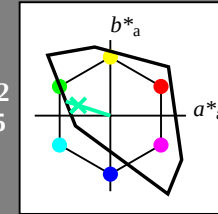
Ausgabe: Farbmimetrisches Fernseh-Licht-System TLS00

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



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

%Regularität

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

NG480-7, 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 NG48; Farbmimetrik-Systeme TLS70 & TLS00 input: olv* setrgb color

D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: no change compared to input

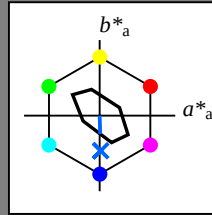
Eingabe: Farbmimetrisches Fernseh-Licht-System TLS70

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



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

%Regularität

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

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

1,00

0,75

0,25

0,00

0,50

1,00

relative Buntheit c^*

NG480-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)



BAM-Prüfvorlage NG48; Farbmimetrik-Systeme TLS70 & TLS00 input: olv* setrgbcolor

D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: no change compared to input

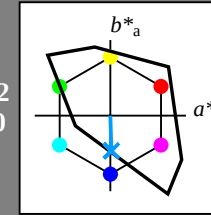
Ausgabe: Farbmimetrisches Fernseh-Licht-System TLS00

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



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

%Regularität

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

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

0,75

0,25

0,50

1,00

relative Buntheit c^*

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

