

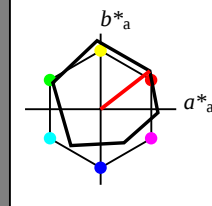
Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 38/360 = 0.105$ lab^*ch und lab^*nch

D50: Buntton O

LCH*Ma: 48 82 38

olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 94$

%Regularität

 $g^*_{H,rel} = 65$ $g^*_{C,rel} = 60$

ORS18; adaptierte CIELAB-Daten

$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma} 47.94	65.05	50.54	82.38	38
Y _{Ma} 91.0	-4.72	90.58	90.7	93
L _{Ma} 50.9	-63.18	34.98	72.22	151
C _{Ma} 56.99	-39.34	-48.1	62.16	231
V _{Ma} 25.72	30.89	-44.4	54.09	305
M _{Ma} 49.99	75.76	-4.64	75.9	356
N _{Ma} 18.09	0.0	0.0	0.0	0
W _{Ma} 95.46	0.0	0.0	0.0	0
R _{CIE} 41.88	61.66	30.69	68.88	26
J _{CIE} 81.97	2.02	67.79	67.82	88
G _{CIE} 51.62	-41.32	9.74	42.46	167
B _{CIE} 29.2	-5.79	-49.61	49.96	263

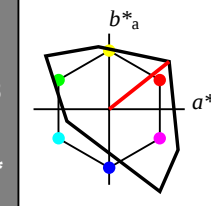
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 38/360 = 0.107$ lab^*ch und lab^*nch

D50: Buntton O

LCH*Ma: 54 101 38

olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 156$

%Regularität

 $g^*_{H,rel} = 26$ $g^*_{C,rel} = 45$

TLS00; adaptierte CIELAB-Daten

$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma} 54.19	79.36	63.0	101.33	38
Y _{Ma} 93.44	-14.18	82.59	83.8	100
L _{Ma} 82.82	-83.73	70.41	109.41	140
C _{Ma} 85.22	-55.9	-15.78	58.1	196
V _{Ma} 25.61	67.05	-108.87	127.87	302
M _{Ma} 58.76	91.18	-53.69	105.82	330
N _{Ma} 0.01	0.0	0.0	0.0	0
W _{Ma} 95.41	0.0	0.0	0.0	0
R _{CIE} 41.88	62.0	31.82	69.69	27
J _{CIE} 81.97	1.81	71.59	71.61	89
G _{CIE} 51.62	-41.11	11.52	42.7	164
B _{CIE} 29.2	-5.27	-49.33	49.62	264

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	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 74.79 39.67 31.49

LAB*LABa 74.79 39.67 31.49

LAB*TCa 75.0 50.65 38.44

relative CIELAB lab*

lab*lab 0.784 0.392 0.311

lab*tch 0.75 0.5 0.107

lab*nch 0.0 0.5 0.107

relative Natural Colour (NC)

lab*lrj 0.784 0.479 0.142

lab*tce 0.75 0.5 0.046

lab*nce 0.0 0.5 r18j

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 27.1 39.67 31.49

LAB*LABa 27.1 39.67 31.49

LAB*TCa 25.01 50.65 38.44

relative CIELAB lab*

lab*lab 0.284 0.392 0.311

lab*tch 0.25 0.5 0.107

lab*nch 0.5 0.5 0.107

relative Natural Colour (NC)

lab*lrj 0.284 0.479 0.142

lab*tce 0.25 0.5 0.046

lab*nce 0.5 0.5 r18j

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 54.19 79.34 62.99

LAB*LABa 54.19 79.34 62.99

LAB*TCa 50.0 101.31 38.44

relative CIELAB lab*

lab*lab 0.568 0.783 0.622

lab*tch 0.5 1.0 0.107

lab*nch 0.0 1.0 0.107

relative Natural Colour (NC)

lab*lrj 0.568 0.958 0.285

lab*tce 0.5 1.0 0.046

lab*nce 0.0 1.0 r18j

relative Buntheit c^*

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

$n^* = 0,00$

$n^* = 0,50$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

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

$n^* = 0,00$

$n^* = 0,50$

$n^* = 1,0$

Schwarzheit n^*

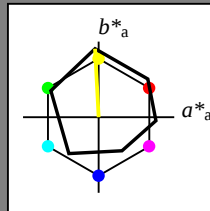
Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 93/360 = 0.258$ lab^*ch und lab^*nch

D50: Buntton Y

LCH*Ma: 91 91 93

olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 94$

%Regularität

 $g^*_{H,rel} = 65$ $g^*_{C,rel} = 60$

ORS18; adaptierte CIELAB-Daten

$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa 47.94	65.05	50.54	82.38	38
YMa 91.0	-4.72	90.58	90.7	93
LMa 50.9	-63.18	34.98	72.22	151
CMa 56.99	-39.34	-48.1	62.16	231
VMa 25.72	30.89	-44.4	54.09	305
MMa 49.99	75.76	-4.64	75.9	356
NMa 18.09	0.0	0.0	0.0	0
WMa 95.46	0.0	0.0	0.0	0
RCIE 41.88	61.66	30.69	68.88	26
JCIE 81.97	2.02	67.79	67.82	88
GCIE 51.62	-41.32	9.74	42.46	167
BCIE 29.2	-5.79	-49.61	49.96	263

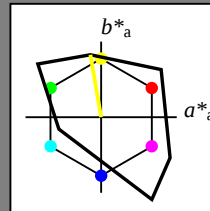
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 100/360 = 0.277$ lab^*ch und lab^*nch

D50: Buntton Y

LCH*Ma: 93 84 100

olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 156$

%Regularität

 $g^*_{H,rel} = 26$ $g^*_{C,rel} = 45$

TLS00; adaptierte CIELAB-Daten

$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa 54.19	79.36	63.0	101.33	38
YMa 93.44	-14.18	82.59	83.8	100
LMa 82.82	-83.73	70.41	109.41	140
CMa 85.22	-55.9	-15.78	58.1	196
VMa 25.61	67.05	-108.87	127.87	302
MMa 58.76	91.18	-53.69	105.82	330
NMa 0.01	0.0	0.0	0.0	0
WMa 95.41	0.0	0.0	0.0	0
RCIE 41.88	62.0	31.82	69.69	27
JCIE 81.97	1.81	71.59	71.61	89
GCIE 51.62	-41.11	11.52	42.7	164
BCIE 29.2	-5.27	-49.33	49.62	264

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*ch	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*ch	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*ch	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	94.42	-7.08	41.29
LAB*LABa	94.42	-7.08	41.29
LAB*TCa	75.0	41.89	99.75

relative CIELAB lab*

lab*lab	0.99	-0.084	0.493
lab*ch	0.75	0.5	0.277
lab*nch	0.0	0.5	0.277

relative Natural Colour (NC)

lab*lrj	0.99	-0.114	0.487
lab*tce	0.75	0.5	0.287
lab*nce	0.0	0.5	j14g

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	46.73	-7.08	41.29
LAB*LABa	46.73	-7.08	41.29
LAB*TCa	25.01	41.89	99.75

relative CIELAB lab*

lab*lab	0.49	-0.084	0.493
lab*ch	0.25	0.5	0.277
lab*nch	0.5	0.5	0.277

relative Natural Colour (NC)

lab*lrj	0.49	-0.114	0.487
lab*tce	0.25	0.5	0.287
lab*nce	0.5	0.5	j14g

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	93.43	-14.18	82.57
LAB*LABa	93.43	-14.18	82.57
LAB*TCa	50.0	83.78	99.75

relative CIELAB lab*

lab*lab	0.979	-0.168	0.985
lab*ch	0.5	1.0	0.277
lab*nch	0.0	1.0	0.277

relative Natural Colour (NC)

lab*lrj	0.979	-0.229	0.973
lab*tce	0.5	1.0	0.287
lab*nce	0.0	1.0	j14g

relative Buntheit c^*

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

$n^* = 0,00$

$n^* = 0,50$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

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

$n^* = 0,00$

$n^* = 0,50$

$n^* = 1,0$

Schwarzheit n^*

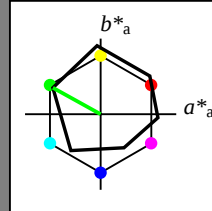
Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 151/360 = 0.42$ lab^*tch und lab^*nch

D50: Buntton L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 94$

%Regularität

 $g^*_{H,rel} = 65$ $g^*_{C,rel} = 60$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
R _{CIE}	41.88	61.66	30.69	68.88	26
J _{CIE}	81.97	2.02	67.79	67.82	88
G _{CIE}	51.62	-41.32	9.74	42.46	167
B _{CIE}	29.2	-5.79	-49.61	49.96	263

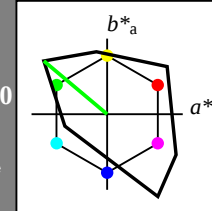
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 140/360 = 0.389$ lab^*tch und lab^*nch

D50: Buntton L

LCH*Ma: 83 109 140

olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 156$

%Regularität

 $g^*_{H,rel} = 26$ $g^*_{C,rel} = 45$

TLS00; adaptierte CIELAB-Daten

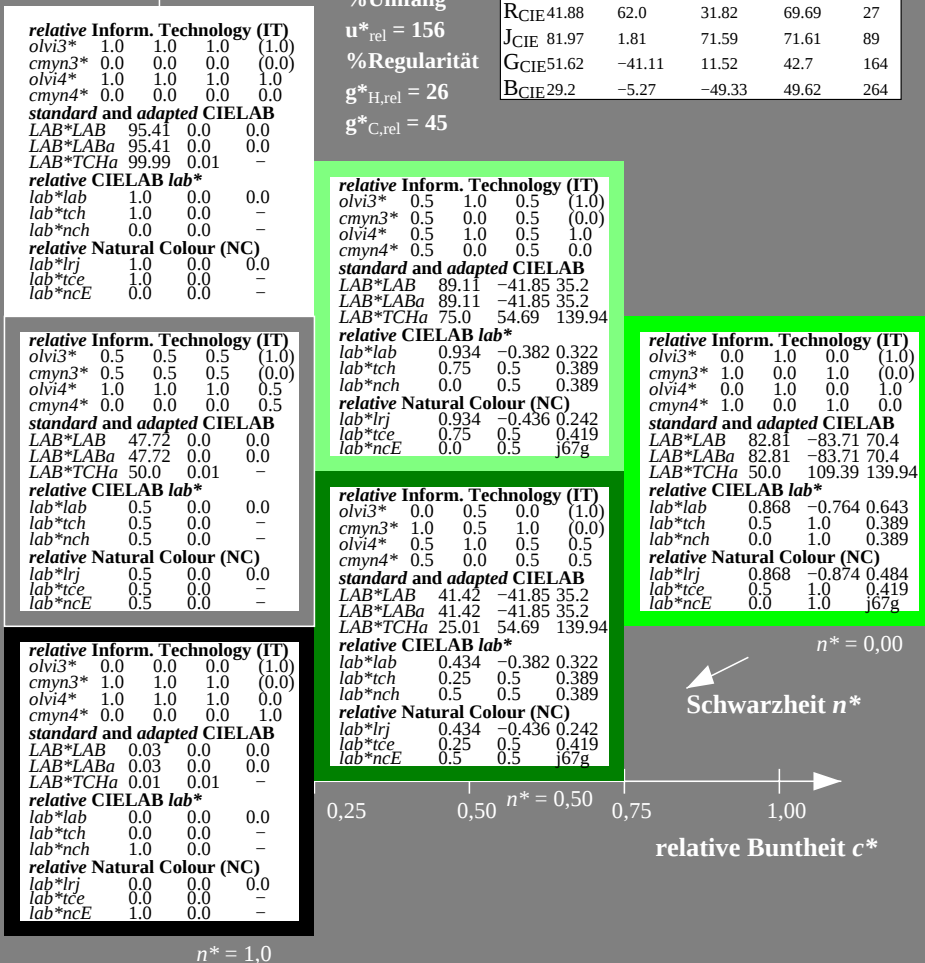
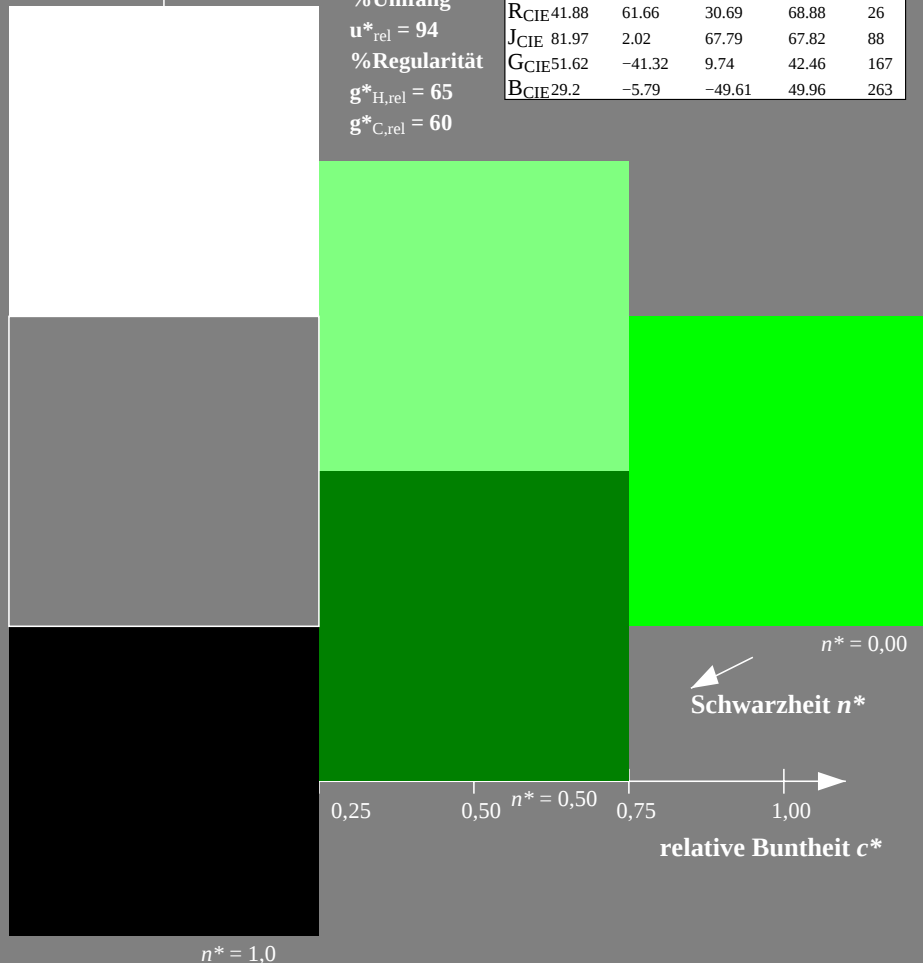
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	54.19	79.36	63.0	101.33	38
Y _{Ma}	93.44	-14.18	82.59	83.8	100
L _{Ma}	82.82	-83.73	70.41	109.41	140
C _{Ma}	85.22	-55.9	-15.78	58.1	196
V _{Ma}	25.61	67.05	-108.87	127.87	302
M _{Ma}	58.76	91.18	-53.69	105.82	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	41.88	62.0	31.82	69.69	27
J _{CIE}	81.97	1.81	71.59	71.61	89
G _{CIE}	51.62	-41.11	11.52	42.7	164
B _{CIE}	29.2	-5.27	-49.33	49.62	264

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	89.11	-41.85	35.2	
LAB*LABa	89.11	-41.85	35.2	
LAB*TCa	75.0	54.69	139.94	
relative CIELAB lab*				
lab*lab	0.934	-0.382	0.322	
lab*tch	0.75	0.5	0.389	
lab*nch	0.0	0.5	0.389	
relative Natural Colour (NC)				
lab*lrj	0.934	-0.436	0.242	
lab*tce	0.75	0.5	0.419	
lab*nce	0.0	0.5	0.67g	

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	0.5	1.0	0.0	(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	41.42	-41.85	35.2	
LAB*LABa	41.42	-41.85	35.2	
LAB*TCa	25.01	54.69	139.94	
relative CIELAB lab*				
lab*lab	0.434	-0.382	0.322	
lab*tch	0.25	0.5	0.389	
lab*nch	0.5	0.5	0.389	
relative Natural Colour (NC)				
lab*lrj	0.434	-0.436	0.242	
lab*tce	0.25	0.5	0.419	
lab*nce	0.5	0.5	0.67g	

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	82.81	-83.71	70.4	
LAB*LABa	82.81	-83.71	70.4	
LAB*TCa	50.0	109.39	139.94	
relative CIELAB lab*				
lab*lab	0.868	-0.764	0.643	
lab*tch	0.5	1.0	0.389	
lab*nch	0.0	1.0	0.389	
relative Natural Colour (NC)				
lab*lrj	0.868	-0.874	0.484	
lab*tce	0.5	1.0	0.419	
lab*nce	0.0	1.0	0.67g	



PG000-7, 3 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.42 (links)

3 stufige Reihen für konstanten CIELAB Buntton 140/360 = 0.389 (rechts)

BAM-Prüfvorlage PG00; Farbmétrik-Systeme ORS18 & ORS18 input: olv* setrgbcolor

D50: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

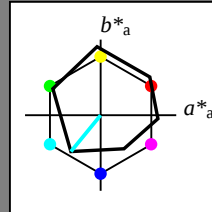
Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 231/360 = 0.641$ lab^*ch und lab^*nch

D50: Buntton C

LCH*Ma: 57 62 231

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 94$

%Regularität

 $g^*_{H,rel} = 65$ $g^*_{C,rel} = 60$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
R _{CIE}	41.88	61.66	30.69	68.88	26
J _{CIE}	81.97	2.02	67.79	67.82	88
G _{CIE}	51.62	-41.32	9.74	42.46	167
B _{CIE}	29.2	-5.79	-49.61	49.96	263

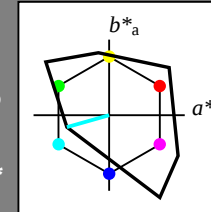
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 196/360 = 0.544$ lab^*ch und lab^*nch

D50: Buntton C

LCH*Ma: 85 58 196

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 156$

%Regularität

 $g^*_{H,rel} = 26$ $g^*_{C,rel} = 45$

TLS00; adaptierte CIELAB-Daten

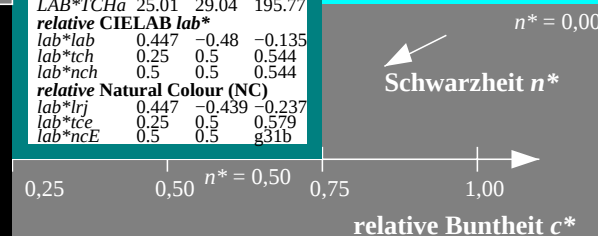
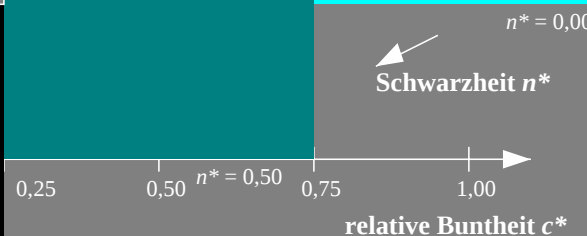
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	54.19	79.36	63.0	101.33	38
Y _{Ma}	93.44	-14.18	82.59	83.8	100
L _{Ma}	82.82	-83.73	70.41	109.41	140
C _{Ma}	85.22	-55.9	-15.78	58.1	196
V _{Ma}	25.61	67.05	-108.87	127.87	302
M _{Ma}	58.76	91.18	-53.69	105.82	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	41.88	62.0	31.82	69.69	27
J _{CIE}	81.97	1.81	71.59	71.61	89
G _{CIE}	51.62	-41.11	11.52	42.7	164
B _{CIE}	29.2	-5.27	-49.33	49.62	264

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	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	90.31	-27.94	-7.88		
LAB*LABa	90.31	-27.94	-7.88		
LAB*TCa	75.0	29.04	195.77		
relative CIELAB lab*					
lab*lab	0.947	-0.48	-0.135		
lab*tch	0.75	0.5	0.544		
lab*nch	0.0	0.5	0.544		
relative Natural Colour (NC)					
lab*lrj	0.947	-0.439	-0.237		
lab*tce	0.75	0.5	0.579		
lab*nce	0.0	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	42.62	-27.94	-7.88		
LAB*LABa	42.62	-27.94	-7.88		
LAB*TCa	25.01	29.04	195.77		
relative CIELAB lab*					
lab*lab	0.447	-0.48	-0.135		
lab*tch	0.25	0.5	0.544		
lab*nch	0.5	0.5	0.544		
relative Natural Colour (NC)					
lab*lrj	0.447	-0.439	-0.237		
lab*tce	0.25	0.5	0.579		
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	85.21	-55.89	-15.78		
LAB*LABa	85.21	-55.89	-15.78		
LAB*TCa	50.0	58.09	195.77		
relative CIELAB lab*					
lab*lab	0.893	-0.961	-0.271		
lab*tch	0.5	1.0	0.544		
lab*nch	0.0	1.0	0.544		
relative Natural Colour (NC)					
lab*lrj	0.893	-0.878	-0.475		
lab*tce	0.5	1.0	0.579		
lab*nce	0.0	1.0	g31b		



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	-		

3 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.544 (rechts)

PG000-7, 3 stufige Reihen für konstanten CIELAB Buntton 231/360 = 0.641 (links)

BAM-Prüfvorlage PG00; Farbmétrik-Systeme ORS18 & ORS18 input: olv* setrgbcolor

D50: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

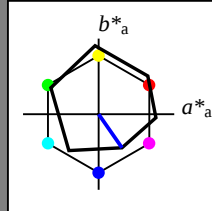
Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$ lab^*ch und lab^*nch

D50: Buntton V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 94$

%Regularität

 $g^*_{H,rel} = 65$ $g^*_{C,rel} = 60$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
R _{CIE}	41.88	61.66	30.69	68.88	26
J _{CIE}	81.97	2.02	67.79	67.82	88
G _{CIE}	51.62	-41.32	9.74	42.46	167
B _{CIE}	29.2	-5.79	-49.61	49.96	263

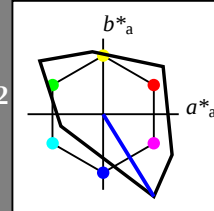
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 302/360 = 0.838$ lab^*ch und lab^*nch

D50: Buntton V

LCH*Ma: 26 128 302

olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 156$

%Regularität

 $g^*_{H,rel} = 26$ $g^*_{C,rel} = 45$

TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	54.19	79.36	63.0	101.33	38
Y _{Ma}	93.44	-14.18	82.59	83.8	100
L _{Ma}	82.82	-83.73	70.41	109.41	140
C _{Ma}	85.22	-55.9	-15.78	58.1	196
V _{Ma}	25.61	67.05	-108.87	127.87	302
M _{Ma}	58.76	91.18	-53.69	105.82	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	41.88	62.0	31.82	69.69	27
J _{CIE}	81.97	1.81	71.59	71.61	89
G _{CIE}	51.62	-41.11	11.52	42.7	164
B _{CIE}	29.2	-5.27	-49.33	49.62	264

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	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	60.51	33.52	-54.42	
LAB*LABa	60.51	33.52	-54.42	
LAB*TCa	75.0	63.92	301.63	
relative CIELAB lab*				
lab*lab	0.634	0.262	-0.425	
lab*tch	0.75	0.5	0.838	
lab*nch	0.0	0.5	0.838	
relative Natural Colour (NC)				
lab*lrj	0.634	0.231	-0.442	
lab*tce	0.75	0.5	0.827	
lab*nce	0.0	0.5	0.838	

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	12.82	33.52	-54.42	
LAB*LABa	12.82	33.52	-54.42	
LAB*TCa	25.01	63.92	301.63	
relative CIELAB lab*				
lab*lab	0.134	0.262	-0.425	
lab*tch	0.25	0.5	0.838	
lab*nch	0.5	0.5	0.838	
relative Natural Colour (NC)				
lab*lrj	0.134	0.231	-0.442	
lab*tce	0.25	0.5	0.827	
lab*nce	0.5	0.5	0.838	

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	25.61	67.04	-108.87	
LAB*LABa	25.61	67.04	-108.87	
LAB*TCa	50.0	127.84	301.63	
relative CIELAB lab*				
lab*lab	0.268	0.524	-0.85	
lab*tch	0.5	1.0	0.838	
lab*nch	0.0	1.0	0.838	
relative Natural Colour (NC)				
lab*lrj	0.268	0.462	-0.885	
lab*tce	0.5	1.0	0.827	
lab*nce	0.0	1.0	0.838	

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

3 stufige Reihen für konstanten CIELAB Buntton 302/360 = 0.838 (rechts)

PG000-7, 3 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

BAM-Prüfvorlage PG00; Farbmétrik-Systeme ORS18 & ORS18 input: olv* setrgbcolor

D50: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

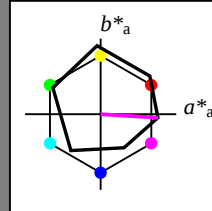
Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 356/360 = 0.99$ lab^*tch und lab^*nch

D50: Buntton M

LCH*Ma: 50 76 356

olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 94$

%Regularität

 $g^*_{H,rel} = 65$ $g^*_{C,rel} = 60$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
R _{CIE}	41.88	61.66	30.69	68.88	26
J _{CIE}	81.97	2.02	67.79	67.82	88
G _{CIE}	51.62	-41.32	9.74	42.46	167
B _{CIE}	29.2	-5.79	-49.61	49.96	263

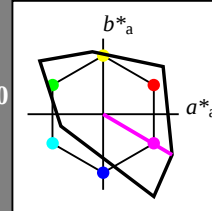
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 330/360 = 0.915$ lab^*tch und lab^*nch

D50: Buntton M

LCH*Ma: 59 106 330

olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 156$

%Regularität

 $g^*_{H,rel} = 26$ $g^*_{C,rel} = 45$

TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	54.19	79.36	63.0	101.33	38
Y _{Ma}	93.44	-14.18	82.59	83.8	100
L _{Ma}	82.82	-83.73	70.41	109.41	140
C _{Ma}	85.22	-55.9	-15.78	58.1	196
V _{Ma}	25.61	67.05	-108.87	127.87	302
M _{Ma}	58.76	91.18	-53.69	105.82	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	41.88	62.0	31.82	69.69	27
J _{CIE}	81.97	1.81	71.59	71.61	89
G _{CIE}	51.62	-41.11	11.52	42.7	164
B _{CIE}	29.2	-5.27	-49.33	49.62	264

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	77.08	45.58	-26.83	
LAB*LABa	77.08	45.58	-26.83	
LAB*TCHa	75.0	52.9	329.5	
relative CIELAB lab*				
lab*lab	0.808	0.431	-0.253	
lab*tch	0.75	0.5	0.915	
lab*nch	0.0	0.5	0.915	
relative Natural Colour (NC)				
lab*lrj	0.808	0.371	-0.334	
lab*tce	0.75	0.5	0.883	
lab*nce	0.0	0.5	0.53r	

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	29.39	45.58	-26.83	
LAB*LABa	29.39	45.58	-26.83	
LAB*TCHa	25.01	52.9	329.5	
relative CIELAB lab*				
lab*lab	0.308	0.431	-0.253	
lab*tch	0.25	0.5	0.915	
lab*nch	0.5	0.5	0.915	
relative Natural Colour (NC)				
lab*lrj	0.308	0.371	-0.334	
lab*tce	0.25	0.5	0.883	
lab*nce	0.5	0.5	0.53r	

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	58.76	91.16	-53.68	
LAB*LABa	58.76	91.16	-53.68	
LAB*TCHa	50.0	105.8	329.5	
relative CIELAB lab*				
lab*lab	0.616	0.861	-0.506	
lab*tch	0.5	1.0	0.915	
lab*nch	0.0	1.0	0.915	
relative Natural Colour (NC)				
lab*lrj	0.616	0.742	-0.669	
lab*tce	0.5	1.0	0.883	
lab*nce	0.0	1.0	0.53r	

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	29.39	45.58	-26.83	
LAB*LABa	29.39	45.58	-26.83	
LAB*TCHa	25.01	52.9	329.5	
relative CIELAB lab*				
lab*lab	0.308	0.431	-0.253	
lab*tch	0.25	0.5	0.915	
lab*nch	0.5	0.5	0.915	
relative Natural Colour (NC)				
lab*lrj	0.308	0.371	-0.334	
lab*tce	0.25	0.5	0.883	
lab*nce	0.5	0.5	0.53r	

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	58.76	91.16	-53.68	
LAB*LABa	58.76	91.16	-53.68	
LAB*TCHa	50.0	105.8	329.5	
relative CIELAB lab*				
lab*lab	0.616	0.861	-0.506	
lab*tch	0.5	1.0	0.915	
lab*nch	0.0	1.0	0.915	
relative Natural Colour (NC)				
lab*lrj	0.616	0.742	-0.669	
lab*tce	0.5	1.0	0.883	
lab*nce	0.0	1.0	0.53r	

relative Buntheit c^*

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

$n^* = 0,00$

$n^* = 0,50$

$n^* = 1,0$

Schwarzheit n^* $n^* = 0,00$ $n^* = 1,0$

relative Buntheit c^*

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

$n^* = 0,00$

$n^* = 0,50$

$n^* = 1,0$

Schwarzheit n^* $n^* = 0,00$

3 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.915 (rechts)

PG000-7, 3 stufige Reihen für konstanten CIELAB Buntton 356/360 = 0.99 (links)

BAM-Prüfvorlage PG00; Farbmétrik-Systeme ORS18 & ORS18 input: olv* setrgbcolor

D50: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

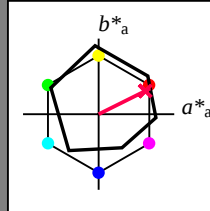
Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 26/360 = 0.074$ lab^*ch und lab^*nch

D50: Buntton R

LCH*Ma: 49 76 26

olv*Ma: 1.0 0.0 0.3

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 94$

%Regularität

 $g^*_{H,rel} = 65$ $g^*_{C,rel} = 60$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
R _{CIE}	41.88	61.66	30.69	68.88	26
J _{CIE}	81.97	2.02	67.79	67.82	88
G _{CIE}	51.62	-41.32	9.74	42.46	167
B _{CIE}	29.2	-5.79	-49.61	49.96	263

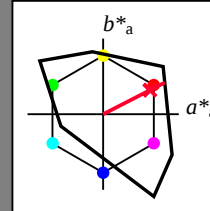
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 27/360 = 0.075$ lab^*ch und lab^*nch

D50: Buntton R

LCH*Ma: 55 92 27

olv*Ma: 1.0 0.0 0.18

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 156$

%Regularität

 $g^*_{H,rel} = 26$ $g^*_{C,rel} = 45$

TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	54.19	79.36	63.0	101.33	38
Y _{Ma}	93.44	-14.18	82.59	83.8	100
L _{Ma}	82.82	-83.73	70.41	109.41	140
C _{Ma}	85.22	-55.9	-15.78	58.1	196
V _{Ma}	25.61	67.05	-108.87	127.87	302
M _{Ma}	58.76	91.18	-53.69	105.82	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	41.88	62.0	31.82	69.69	27
J _{CIE}	81.97	1.81	71.59	71.61	89
G _{CIE}	51.62	-41.11	11.52	42.7	164
B _{CIE}	29.2	-5.27	-49.33	49.62	264

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	0.5	0.591	(1.0)
cmyn3*	0.0	0.5	0.409	(0.0)
olvi4*	1.0	0.5	0.591	1.0
cmyn4*	0.0	0.5	0.409	0.0

standard and adapted CIELAB

LAB*LAB	75.21	40.74	20.91
LAB*LABa	75.21	40.74	20.91
LAB*TCa	75.0	45.8	27.17

relative CIELAB lab*

lab*lab	0.788	0.445	0.228
lab*tch	0.75	0.5	0.075
lab*nch	0.0	0.5	0.075

relative Natural Colour (NC)

lab*lrj	0.788	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	0.091	(1.0)
cmyn3*	0.5	1.0	0.909	(0.0)
olvi4*	1.0	0.5	0.591	0.5
cmyn4*	0.0	0.5	0.409	0.5

standard and adapted CIELAB

LAB*LAB	27.52	40.74	20.92
LAB*LABa	27.52	40.74	20.92
LAB*TCa	25.01	45.8	27.18

relative CIELAB lab*

lab*lab	0.288	0.445	0.228
lab*tch	0.25	0.5	0.075
lab*nch	0.5	0.5	0.075

relative Natural Colour (NC)

lab*lrj	0.288	0.5	0.0
lab*tce	0.25	0.5	0.0
lab*nce	0.5	0.5	r00j

relative Inform. Technology (IT)

olvi3*	1.0	0.0	0.181	(1.0)
cmyn3*	0.0	1.0	0.819	(0.0)
olvi4*	1.0	0.0	0.182	1.0
cmyn4*	0.0	1.0	0.818	0.0

standard and adapted CIELAB

LAB*LAB	55.02	81.49	41.83
LAB*LABa	55.02	81.49	41.83
LAB*TCa	50.0	91.6	27.17

relative CIELAB lab*

lab*lab	0.577	0.889	0.457
lab*tch	0.5	1.0	0.075
lab*nch	0.0	1.0	0.075

relative Natural Colour (NC)

lab*lrj	0.577	1.0	0.0
lab*tce	0.5	1.0	0.0
lab*nce	0.0	1.0	r00j

Siehe ähnliche Dateien: <http://www.ps.bam.de/PG00/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1?

BAM-Registrierung: 20060101-PG00/10L/L00G06SP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen
/PG00 Form: 7/10, Serie: 1/1, Seite: 7
Satzanzhang 7

PG000-7, 3 stufige Reihen für konstanten CIELAB Buntton 26/360 = 0.074 (links)

3 stufige Reihen für konstanten CIELAB Buntton 27/360 = 0.075 (rechts)

BAM-Prüfvorlage PG00; Farbmétrik-Systeme ORS18 & ORS18 input: olv* setrgbcolor

D50: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

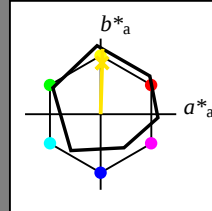
Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 88/360 = 0.245$ lab^*ch und lab^*nch

D50: Buntton J

LCH*Ma: 86 86 88

olv*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 94$

%Regularität

 $g^*_{H,rel} = 65$ $g^*_{C,rel} = 60$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
R _{CIE}	41.88	61.66	30.69	68.88	26
J _{CIE}	81.97	2.02	67.79	67.82	88
G _{CIE}	51.62	-41.32	9.74	42.46	167
B _{CIE}	29.2	-5.79	-49.61	49.96	263

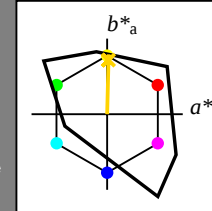
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 89/360 = 0.246$ lab^*ch und lab^*nch

D50: Buntton J

LCH*Ma: 87 79 89

olv*Ma: 1.0 0.83 0.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 156$

%Regularität

 $g^*_{H,rel} = 26$ $g^*_{C,rel} = 45$

TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	54.19	79.36	63.0	101.33	38
Y _{Ma}	93.44	-14.18	82.59	83.8	100
L _{Ma}	82.82	-83.73	70.41	109.41	140
C _{Ma}	85.22	-55.9	-15.78	58.1	196
V _{Ma}	25.61	67.05	-108.87	127.87	302
M _{Ma}	58.76	91.18	-53.69	105.82	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	41.88	62.0	31.82	69.69	27
J _{CIE}	81.97	1.81	71.59	71.61	89
G _{CIE}	51.62	-41.11	11.52	42.7	164
B _{CIE}	29.2	-5.27	-49.33	49.62	264

relative Inform. Technology (IT)				
olvi3*	1.0	0.913	0.5	(1.0)
cmyn3*	0.0	0.087	0.5	(0.0)
olvi4*	1.0	0.914	0.5	1.0
cmyn4*	0.0	0.086	0.5	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	0.827	0.0	(1.0)
cmyn3*	0.0	0.173	1.0	(0.0)
olvi4*	1.0	0.827	0.0	1.0
cmyn4*	0.0	0.173	1.0	0.0
standard and adapted CIELAB				
LAB*LAB	86.64	2.0	79.18	
LAB*LABa	86.64	2.0	79.18	
LAB*TCHa	50.0	79.21	88.56	
relative CIELAB lab*				
lab*lab	0.954	0.013	0.5	
lab*tch	0.75	0.5	0.246	
lab*nch	0.0	0.5	0.246	
relative Natural Colour (NC)				
lab*lrj	0.954	0.0	0.5	
lab*tce	0.75	0.5	0.25	
lab*nce	0.0	0.5	j00g	

relative Inform. Technology (IT)				
olvi3*	0.5	0.413	0.0	(1.0)
cmyn3*	0.5	0.587	1.0	(0.0)
olvi4*	1.0	0.913	0.5	0.5
cmyn4*	0.0	0.087	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	43.33	1.0	39.59	
LAB*LABa	43.33	1.0	39.59	
LAB*TCHa	25.01	39.6	88.55	
relative CIELAB lab*				
lab*lab	0.454	0.013	0.5	
lab*tch	0.25	0.5	0.246	
lab*nch	0.5	0.5	0.246	
relative Natural Colour (NC)				
lab*lrj	0.454	0.0	0.5	
lab*tce	0.25	0.5	0.25	
lab*nce	0.5	0.5	j99j	

relative Inform. Technology (IT)				
olvi3*	1.0	0.827	0.0	(1.0)
cmyn3*	0.0	0.173	1.0	(0.0)
olvi4*	1.0	0.827	0.0	1.0
cmyn4*	0.0	0.173	1.0	0.0
standard and adapted CIELAB				
LAB*LAB	86.64	2.0	79.18	
LAB*LABa	86.64	2.0	79.18	
LAB*TCHa	50.0	79.21	88.56	
relative CIELAB lab*				
lab*lab	0.908	0.025	0.999	
lab*tch	0.5	1.0	0.246	
lab*nch	0.0	1.0	0.246	
relative Natural Colour (NC)				
lab*lrj	0.908	0.0	1.0	
lab*tce	0.5	1.0	0.25	
lab*nce	0.0	1.0	j00g	

Schwarzheit n^* relative Buntheit c^* Schwarzheit n^* relative Buntheit c^*

3 stufige Reihen für konstanten CIELAB Buntton 89/360 = 0.246 (rechts)

PG000-7, 3 stufige Reihen für konstanten CIELAB Buntton 88/360 = 0.245 (links)

BAM-Prüfvorlage PG00; Farbmétrik-Systeme ORS18 & ORS18 input: olv* setrgbcolor

D50: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

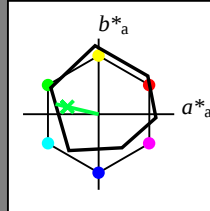
Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 167/360 = 0.463$ lab^*ch und lab^*nch

D50: Buntton G

LCH*Ma: 52 59 167

olv*Ma: 0.0 1.0 0.26

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 94$

%Regularität

 $g^*_{H,rel} = 65$ $g^*_{C,rel} = 60$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
R _{CIE}	41.88	61.66	30.69	68.88	26
J _{CIE}	81.97	2.02	67.79	67.82	88
G _{CIE}	51.62	-41.32	9.74	42.46	167
B _{CIE}	29.2	-5.79	-49.61	49.96	263

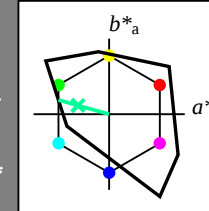
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*ch und lab^*nch

D50: Buntton G

LCH*Ma: 84 70 164

olv*Ma: 0.0 1.0 0.6

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 156$

%Regularität

 $g^*_{H,rel} = 26$ $g^*_{C,rel} = 45$

TLS00; adaptierte CIELAB-Daten

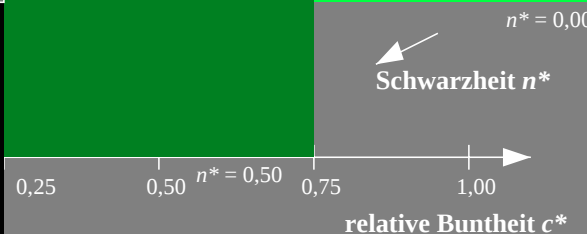
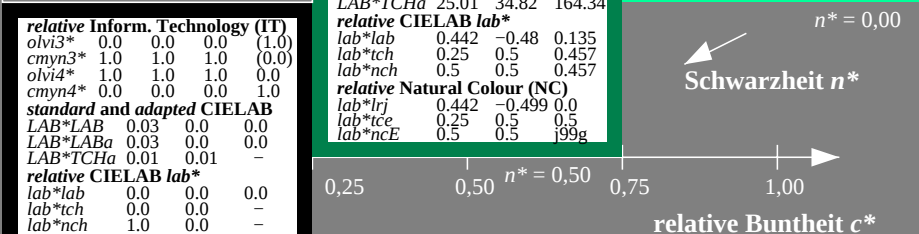
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	54.19	79.36	63.0	101.33	38
Y _{Ma}	93.44	-14.18	82.59	83.8	100
L _{Ma}	82.82	-83.73	70.41	109.41	140
C _{Ma}	85.22	-55.9	-15.78	58.1	196
V _{Ma}	25.61	67.05	-108.87	127.87	302
M _{Ma}	58.76	91.18	-53.69	105.82	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	41.88	62.0	31.82	69.69	27
J _{CIE}	81.97	1.81	71.59	71.61	89
G _{CIE}	51.62	-41.11	11.52	42.7	164
B _{CIE}	29.2	-5.27	-49.33	49.62	264

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	0.799	(1.0)
cmyn3*	0.5	0.0	0.201	(0.0)
olvi4*	0.5	1.0	0.8	1.0
cmyn4*	0.5	0.0	0.2	0.0
standard and adapted CIELAB				
LAB*LAB	89.83	-33.52	9.39	
LAB*LABa	89.83	-33.52	9.39	
LAB*TCa	75.0	34.82	164.36	
relative CIELAB lab*				
lab*lab	0.941	-0.48	0.135	
lab*tch	0.75	0.5	0.457	
lab*nch	0.0	0.5	0.457	
relative Natural Colour (NC)				
lab*lrj	0.941	-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	0.5	0.299	(1.0)
cmyn3*	1.0	0.5	0.701	(0.0)
olvi4*	0.5	1.0	0.799	0.5
cmyn4*	0.5	0.0	0.201	0.5
standard and adapted CIELAB				
LAB*LAB	42.13	-33.52	9.4	
LAB*LABa	42.13	-33.52	9.4	
LAB*TCa	25.01	34.82	164.34	
relative CIELAB lab*				
lab*lab	0.442	-0.48	0.135	
lab*tch	0.25	0.5	0.457	
lab*nch	0.5	0.5	0.457	
relative Natural Colour (NC)				
lab*lrj	0.442	-0.499	0.0	
lab*tce	0.25	0.5	0.5	
lab*nce	0.5	0.5	g99g	

relative Inform. Technology (IT)				
olvi3*	0.0	1.0	0.599	(1.0)
cmyn3*	1.0	0.0	0.401	(0.0)
olvi4*	0.0	1.0	0.599	1.0
cmyn4*	1.0	0.0	0.401	0.0
standard and adapted CIELAB				
LAB*LAB	84.25	-67.05	18.79	
LAB*LABa	84.25	-67.05	18.79	
LAB*TCa	50.0	69.64	164.35	
relative CIELAB lab*				
lab*lab	0.883	-0.962	0.27	
lab*tch	0.5	1.0	0.457	
lab*nch	0.0	1.0	0.457	
relative Natural Colour (NC)				
lab*lrj	0.883	-0.999	0.0	
lab*tce	0.5	1.0	0.5	
lab*nce	0.0	1.0	g00b	

Schwarzheit n^* relative Bunttheit c^* Schwarzheit n^* relative Bunttheit c^*

PG000-7, 3 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.463 (links)

3 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

BAM-Prüfvorlage PG00; Farbmétrik-Systeme ORS18 & ORS18 input: olv* setrgbcolor

D50: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

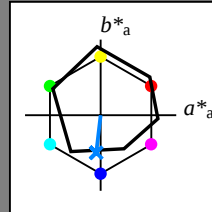
Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 263/360 = 0.731$ lab^*tch und lab^*nch

D50: Buntton B

LCH*Ma: 42 47 263

olv*Ma: 0.0 0.52 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 94$

%Regularität

 $g^*_{H,rel} = 65$ $g^*_{C,rel} = 60$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
R _{CIE}	41.88	61.66	30.69	68.88	26
J _{CIE}	81.97	2.02	67.79	67.82	88
G _{CIE}	51.62	-41.32	9.74	42.46	167
B _{CIE}	29.2	-5.79	-49.61	49.96	263

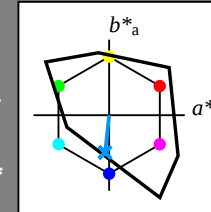
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 264/360 = 0.733$ lab^*tch und lab^*nch

D50: Buntton B

LCH*Ma: 61 54 264

olv*Ma: 0.0 0.59 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 156$

%Regularität

 $g^*_{H,rel} = 26$ $g^*_{C,rel} = 45$

TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	54.19	79.36	63.0	101.33	38
Y _{Ma}	93.44	-14.18	82.59	83.8	100
L _{Ma}	82.82	-83.73	70.41	109.41	140
C _{Ma}	85.22	-55.9	-15.78	58.1	196
V _{Ma}	25.61	67.05	-108.87	127.87	302
M _{Ma}	58.76	91.18	-53.69	105.82	330
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	41.88	62.0	31.82	69.69	27
J _{CIE}	81.97	1.81	71.59	71.61	89
G _{CIE}	51.62	-41.11	11.52	42.7	164
B _{CIE}	29.2	-5.27	-49.33	49.62	264

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	0.796	1.0	(1.0)
cmyn3*	0.5	0.204	0.0	(0.0)
olvi4*	0.5	0.796	1.0	1.0
cmyn4*	0.5	0.204	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	78.15	-2.87	-26.86	
LAB*LABa	78.15	-2.87	-26.86	
LAB*TCa	75.0	27.02	263.88	
relative CIELAB lab*				
lab*lab	0.819	-0.052	-0.496	
lab*tch	0.75	0.5	0.733	
lab*nch	0.0	0.5	0.733	
relative Natural Colour (NC)				
lab*lrj	0.819	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	0.296	0.5	(1.0)
cmyn3*	1.0	0.704	0.5	(0.0)
olvi4*	0.5	0.796	1.0	0.5
cmyn4*	0.5	0.204	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	30.46	-2.86	-26.87	
LAB*LABa	30.46	-2.86	-26.87	
LAB*TCa	25.01	27.03	263.9	
relative CIELAB lab*				
lab*lab	0.319	-0.052	-0.496	
lab*tch	0.25	0.5	0.733	
lab*nch	0.5	0.5	0.733	
relative Natural Colour (NC)				
lab*lrj	0.319	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	0.592	1.0	(1.0)
cmyn3*	1.0	0.408	0.0	(0.0)
olvi4*	0.0	0.592	1.0	1.0
cmyn4*	1.0	0.408	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	60.9	-5.74	-53.74	
LAB*LABa	60.9	-5.74	-53.74	
LAB*TCa	50.0	54.06	263.89	
relative CIELAB lab*				
lab*lab	0.638	-0.105	-0.993	
lab*tch	0.5	1.0	0.733	
lab*nch	0.0	1.0	0.733	
relative Natural Colour (NC)				
lab*lrj	0.638	0.0	-0.999	
lab*tce	0.5	1.0	0.75	
lab*nce	0.0	1.0	g99b	

$n^* = 0,00$

Schwarzheit n^*

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

relative Buntheit c^*

 $n^* = 1,0$

$n^* = 1,0$

Schwarzheit n^*

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

relative Buntheit c^*

3 stufige Reihen für konstanten CIELAB Buntton 264/360 = 0.733 (rechts)

PG000-7, 3 stufige Reihen für konstanten CIELAB Buntton 263/360 = 0.731 (links)

BAM-Prüfvorlage PG00; Farbmétrik-Systeme ORS18 & ORS18 input: olv* setrgbcolor

D50: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend