

Eingabe: Farbmatisches Reflexions-System NRS11

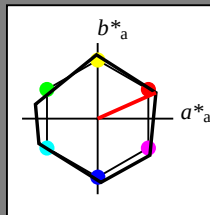
für Buntton $h^* = lab^*h = 24/360 = 0.067$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

Ausgabe: Farbmatisches Reflexions-System ORS18

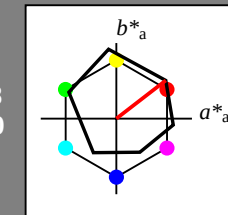
für Buntton $h^* = lab^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

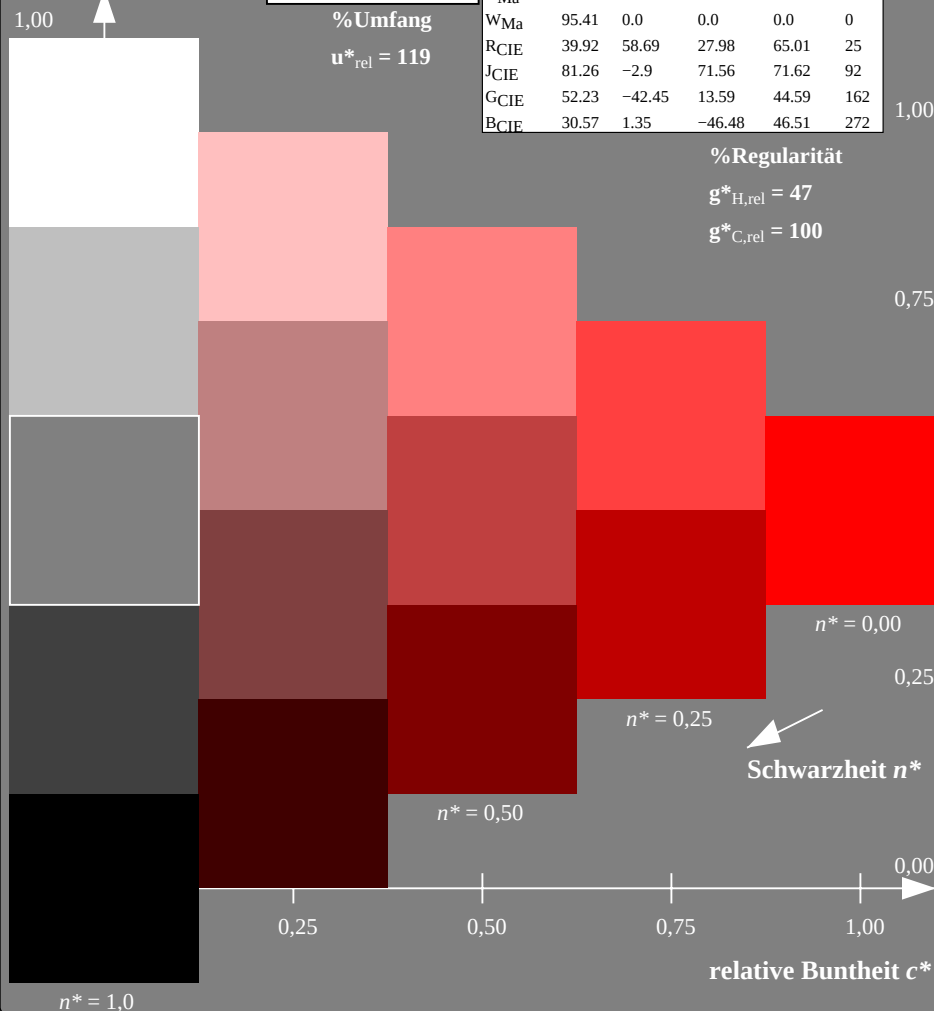
Dreiecks-Helligkeit



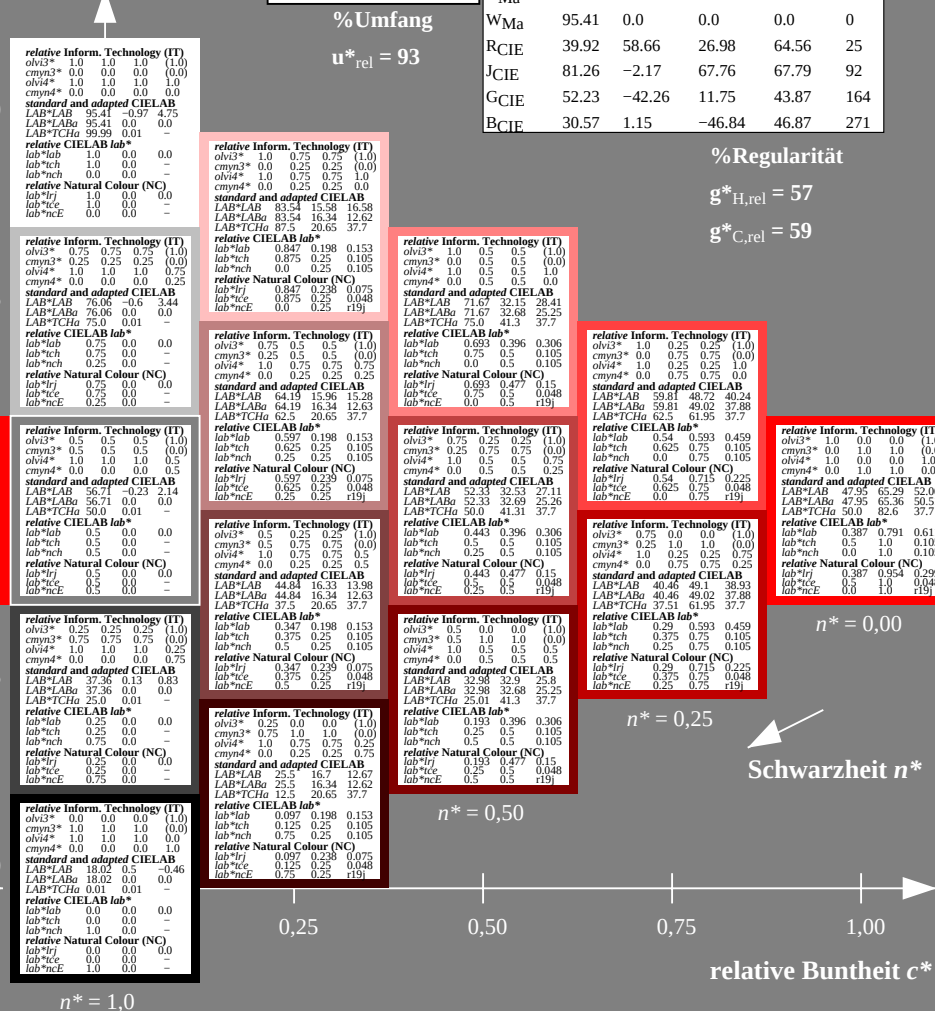
ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
V _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$ 

TG47-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.067 (links)

BAM-Prüfvorlage TG47; Farbmatrik-Systeme ORS18 & ORS18 input: $olv^*setrgbcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (rechts)

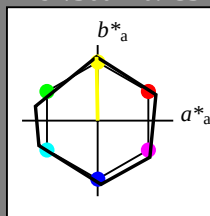
Eingabe: Farbmétrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 91/360 = 0.253$

lab*tch und lab*nch

D65: Buntton J
LCH*Ma: 53 84 91
rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

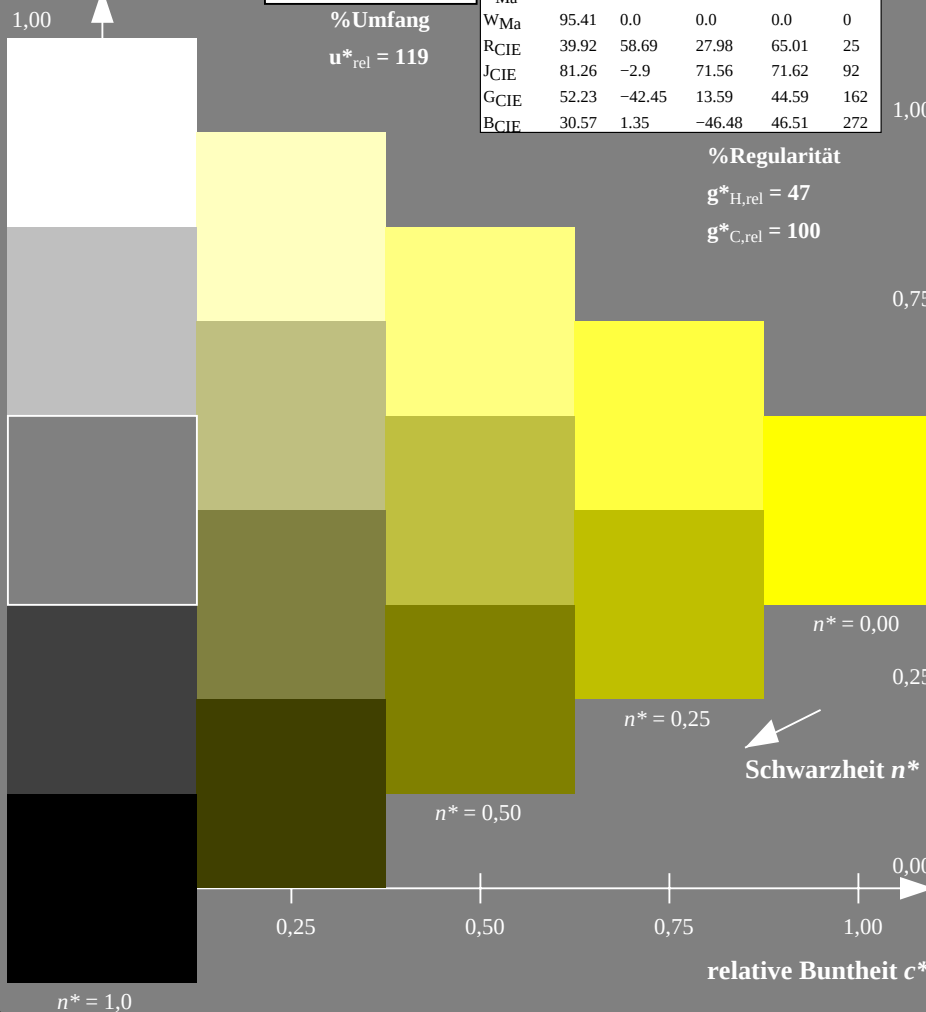


%Umfang

$$\mathbf{u}_{\text{rel}}^* = 119$$

NRS11; adaptierte CIELAB-Daten					
	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24.1
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.69	27.98	65.01	25
J _{CIE}	81.26	-2.9	71.56	71.62	92
G _{CIE}	52.23	-42.45	13.59	44.59	162
B _{CIE}	30.57	1.35	-46.48	46.51	272

%Regularität

$$g^*_{H,rel} = 47$$
$$g^*_{C,rel} = 100$$


TG470-7, 5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.253 (links)

BAM-Prüfvorlage TG47; Farbmatrik-Systeme ORS18 & ORS18 input: *olv* setrgbcolor*

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

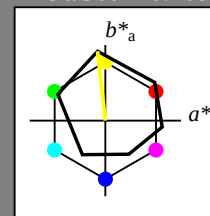
Ausgabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 96/360 = 0.268$

lab*tch und lab*nch

D65: Buntton Y
LCH*Ma: 90 92 96
rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

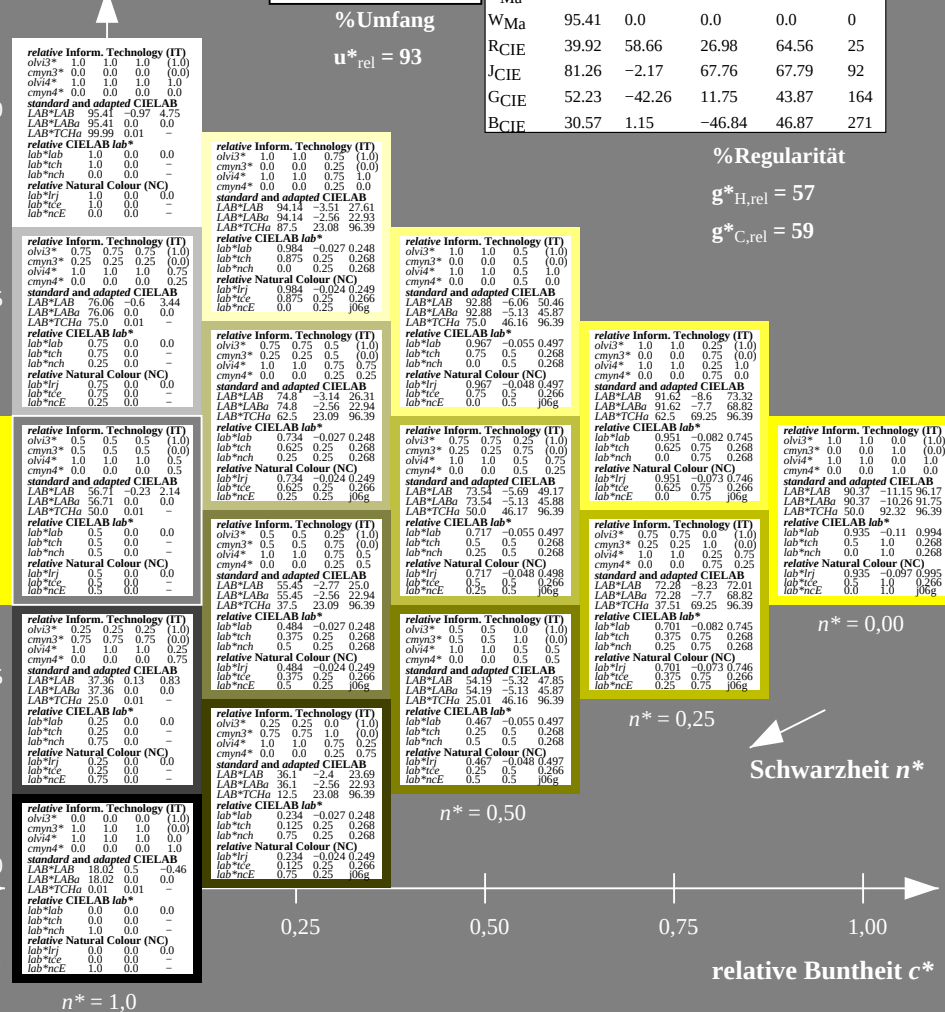


%Umfang

$$\mathbf{u}_{\text{rel}}^* = 93$$

ORS18; adaptierte CIELAB-Daten					
	L^*_{a}	a^*_{a}	b^*_{a}	$C^*_{\text{ab,a}}$	h^*_{ab}
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

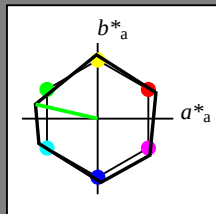
%Regularität

$$g^*_{H,rel} = 57$$
$$g^*_{C,rel} = 59$$
5 stufige Reihen für konstanten CIELAB Buntton $96/360 = 0.268$ (rechts)

Eingabe: Farbmatisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 167/360 = 0.464$ lab^*tch und lab^*nch D65: Buntton G
LCH*Ma: 53 84 167
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



1,00

%Umfang

 $u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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 -0.97 4.75
LAB*LAB 95.41 0.0 0.0
LAB*TChA 95.91 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*trj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LAB 76.06 0.0 0.0
LAB*TChA 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LAB 56.71 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 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LAB 37.36 0.0 0.0
LAB*TChA 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LAB 18.02 0.0 0.0
LAB*TChA 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*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 0.0 -

 $n^* = 1,0$

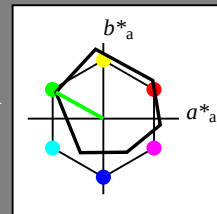
5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

BAM-Prüfvorlage TG47; Farbmatrik-Systeme ORS18 & ORS18 input: $olv^* setrgbcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Ausgabe: Farbmatisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 151/360 = 0.419$ lab^*tch und lab^*nch D65: Buntton L
LCH*Ma: 51 72 151
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

1,00

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.5 (0.0)
olvi4* 0.75 1.0 0.75 1.0
cmyn4* 0.25 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 84.28 -16.45 12.74
LAB*LAB 84.28 -15.68 8.73
LAB*TChA 87.5 17.96 150.91

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.0 0.5 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.5
lab*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 0.75 1.0 0.75 0.75
cmyn4* 0.0 0.0 0.25 0.25
standard and adapted CIELAB
LAB*LAB 64.93 -16.09 11.44
LAB*LAB 64.93 -15.69 8.74
LAB*TChA 62.5 17.97 150.91

relative CIELAB lab*
lab*lab 0.5 0.75 0.5 (1.0)
lab*tch 0.5 0.25 0.5 (0.0)
lab*nch 0.0 0.5 0.75
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.25
lab*tce 0.5 0.25 0.453
lab*nce 0.0 0.25 0.453

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 53.8 -31.57 19.42
LAB*LAB 53.8 -31.39 17.47
LAB*TChA 50.0 35.93 150.91

relative CIELAB lab*
lab*lab 0.25 0.75 0.25 (1.0)
lab*tch 0.5 0.5 0.419
lab*nch 0.0 0.5 0.419
relative Natural Colour (NC)
lab*trj 0.462 -0.478 0.144
lab*tce 0.462 0.25 0.453
lab*nce 0.25 0.5 0.419

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.75 1.0 (0.0)
olvi4* 0.5 1.0 0.5 0.5
cmyn4* 0.25 0.0 0.25 0.75
standard and adapted CIELAB
LAB*LAB 34.46 -31.2 18.01
LAB*LAB 34.46 -31.38 17.47
LAB*TChA 25.01 35.93 150.91

relative CIELAB lab*
lab*lab 0.0 0.5 0.0 (1.0)
lab*tch 0.25 0.5 0.419
lab*nch 0.5 0.5 0.419
relative Natural Colour (NC)
lab*trj 0.106 -0.238 0.144
lab*tce 0.125 0.25 0.453
lab*nce 0.5 0.5 0.419

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LAB 18.02 0.0 0.0
LAB*TChA 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*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 0.0 -

 $n^* = 1,0$

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 73.15 -31.94 20.73
LAB*LAB 73.15 -31.38 17.47
LAB*TChA 75.0 35.93 150.91

relative CIELAB lab*
lab*lab 0.5 1.0 0.5 (1.0)
lab*tch 0.712 -0.436 0.243
lab*tch 0.75 0.5 0.419
lab*nch 0.0 0.5 0.419
relative Natural Colour (NC)
lab*trj 0.712 -0.478 0.144
lab*tce 0.75 0.5 0.453
lab*nce 0.0 0.5 0.419

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 53.8 -31.57 19.42
LAB*LAB 53.8 -31.39 17.47
LAB*TChA 50.0 35.93 150.91

relative CIELAB lab*
lab*lab 0.25 0.75 0.25 (1.0)
lab*tch 0.5 0.5 0.419
lab*nch 0.0 0.5 0.419
relative Natural Colour (NC)
lab*trj 0.462 -0.478 0.144
lab*tce 0.462 0.25 0.453
lab*nce 0.25 0.5 0.419

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.75 1.0 (0.0)
olvi4* 0.5 1.0 0.5 0.5
cmyn4* 0.25 0.0 0.25 0.75
standard and adapted CIELAB
LAB*LAB 34.46 -31.2 18.01
LAB*LAB 34.46 -31.38 17.47
LAB*TChA 25.01 35.93 150.91

relative CIELAB lab*
lab*lab 0.0 0.5 0.0 (1.0)
lab*tch 0.25 0.5 0.419
lab*nch 0.5 0.5 0.419
relative Natural Colour (NC)
lab*trj 0.106 -0.238 0.144
lab*tce 0.125 0.25 0.453
lab*nce 0.5 0.5 0.419

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LAB 18.02 0.0 0.0
LAB*TChA 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*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LAB 18.02 0.0 0.0
LAB*TChA 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*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 0.0 -

 $n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 0.25 1.0 0.25 (0.0)
olvi4* 0.25 1.0 0.25 1.0
cmyn4* 0.75 0.0 0.75 0.0
standard and adapted CIELAB
LAB*LAB 62.02 -47.43 28.71
LAB*LAB 62.02 -47.09 26.21
LAB*TChA 62.5 53.9 150.91

relative CIELAB lab*
lab*lab 0.569 -0.654 0.365
lab*tch 0.625 0.75 0.419
lab*nch 0.0 0.75 0.419
relative Natural Colour (NC)
lab*trj 0.569 -0.717 0.217
lab*tce 0.625 0.75 0.453
lab*nce 0.0 0.75 0.419

relative Inform. Technology (IT)
olvi3* 0.0 0.5 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 50.9 -62.78 34.94
LAB*LAB 50.9 -62.78 34.94
LAB*TChA 50.0 71.86 150.91

relative CIELAB lab*
lab*lab 0.425 -0.873 0.486
lab*tch 0.5 1.0 0.419
lab*nch 0.0 1.0 0.419
relative Natural Colour (NC)
lab*trj 0.425 -0.956 0.289
lab*tce 0.5 1.0 0.453
lab*nce 0.0 1.0 0.419

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.25 1.0 (0.0)
olvi4* 0.25 1.0 0.25 0.75
cmyn4* 0.75 0.0 0.75 0.25
standard and adapted CIELAB
LAB*LAB 42.68 -47.06 27.41
LAB*LAB 42.68 -47.09 26.21
LAB*TChA 37.51 53.9 150.91

relative CIELAB lab*
lab*lab 0.319 -0.654 0.365
lab*tch 0.375 0.75 0.419
lab*nch 0.25 0.75 0.419
relative Natural Colour (NC)
lab*trj 0.319 -0.717 0.217
lab*tce 0.375 0.75 0.453
lab*nce 0.25 0.75 0.419

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LAB 18.02 0.0 0.0
LAB*TChA 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*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LAB 18.02 0.0 0.0
LAB*TChA 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*trj 0.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 1.0 0.0 -

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

1,00

relative Buntheit c^*

1,00

relative Buntheit c^*

1,00

relative Buntheit c^*

1,00

relative Buntheit c^*

1,00

relative Buntheit c^*

1,00

relative Buntheit c^*

1,00

relative Buntheit c^*

1,00

Eingabe: Farbmatisches Reflexions-System NRS11

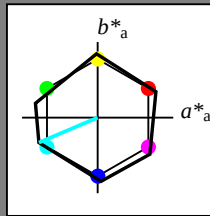
für Buntton $h^* = lab^*h = 203/360 = 0.564$ lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.69	27.98	65.01	25
J _{CIE}	81.26	-2.9	71.56	71.62	92
G _{CIE}	52.23	-42.45	13.59	44.59	162
B _{CIE}	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

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

TG470-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (links)

BAM-Prüfvorlage TG47; Farbmatrik-Systeme ORS18 & ORS18 input: $olv^* setrgbcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependent*

Ausgabe: Farbmatisches Reflexions-System ORS18

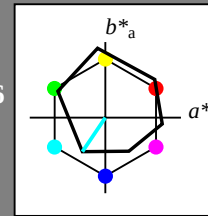
für Buntton $h^* = lab^*h = 236/360 = 0.656$ lab^*tch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
C _{Ma}	58.62	-30.35	-45.01	54.3	236
V _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.56	25
J _{CIE}	81.26	-2.17	67.76	67.79	92
G _{CIE}	52.23	-42.26	11.75	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

1,00

0,75

 $n^* = 0,00$

0,25

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

5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (rechts)

Eingabe: Farbmatisches Reflexions-System NRS11

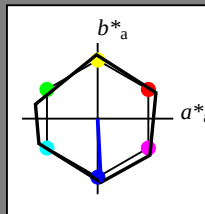
für Buntton $h^* = lab^*h = 273/360 = 0.758$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



1,00

%Umfang

 $u^*_{rel} = 119$

	L*	a*	b*	C*	h*
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

	L*	a*	b*	C*	h*
relative Inform. Technology (IT)	0.75	0.75	0.75	1.0	0.0
cmyn3*	0.25	0.25	0.25	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	56.71	0.23	2.14	0.0
LAB*LABa	56.71	0.23	2.14	0.0	0.0
LAB*LABb	56.71	0.23	2.14	0.0	0.0
LAB*LABc	56.71	0.23	2.14	0.0	0.0
LAB*LABd	56.71	0.23	2.14	0.0	0.0
LAB*LABe	56.71	0.23	2.14	0.0	0.0
LAB*LABf	56.71	0.23	2.14	0.0	0.0
LAB*LABg	56.71	0.23	2.14	0.0	0.0
LAB*LABh	56.71	0.23	2.14	0.0	0.0
LAB*LABi	56.71	0.23	2.14	0.0	0.0
LAB*LABj	56.71	0.23	2.14	0.0	0.0
LAB*LABk	56.71	0.23	2.14	0.0	0.0
LAB*LABl	56.71	0.23	2.14	0.0	0.0
LAB*LABm	56.71	0.23	2.14	0.0	0.0
LAB*LABn	56.71	0.23	2.14	0.0	0.0
LAB*LABo	56.71	0.23	2.14	0.0	0.0
LAB*LABp	56.71	0.23	2.14	0.0	0.0
LAB*LABq	56.71	0.23	2.14	0.0	0.0
LAB*LABr	56.71	0.23	2.14	0.0	0.0
LAB*LABs	56.71	0.23	2.14	0.0	0.0
LAB*LABt	56.71	0.23	2.14	0.0	0.0
LAB*LABu	56.71	0.23	2.14	0.0	0.0
LAB*LABv	56.71	0.23	2.14	0.0	0.0
LAB*LABw	56.71	0.23	2.14	0.0	0.0
LAB*LABx	56.71	0.23	2.14	0.0	0.0
LAB*LABy	56.71	0.23	2.14	0.0	0.0
LAB*LABz	56.71	0.23	2.14	0.0	0.0

	L*	a*	b*	C*	h*
relative Inform. Technology (IT)	0.75	0.75	0.75	1.0	0.0
cmyn3*	0.25	0.25	0.25	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	56.71	0.23	2.14	0.0
LAB*LABa	56.71	0.23	2.14	0.0	0.0
LAB*LABb	56.71	0.23	2.14	0.0	0.0
LAB*LABc	56.71	0.23	2.14	0.0	0.0
LAB*LABd	56.71	0.23	2.14	0.0	0.0
LAB*LABe	56.71	0.23	2.14	0.0	0.0
LAB*LABf	56.71	0.23	2.14	0.0	0.0
LAB*LABg	56.71	0.23	2.14	0.0	0.0
LAB*LABh	56.71	0.23	2.14	0.0	0.0
LAB*LABi	56.71	0.23	2.14	0.0	0.0
LAB*LABj	56.71	0.23	2.14	0.0	0.0
LAB*LABk	56.71	0.23	2.14	0.0	0.0
LAB*LABl	56.71	0.23	2.14	0.0	0.0
LAB*LABm	56.71	0.23	2.14	0.0	0.0
LAB*LABn	56.71	0.23	2.14	0.0	0.0
LAB*LABo	56.71	0.23	2.14	0.0	0.0
LAB*LABp	56.71	0.23	2.14	0.0	0.0
LAB*LABq	56.71	0.23	2.14	0.0	0.0
LAB*LABr	56.71	0.23	2.14	0.0	0.0
LAB*LABs	56.71	0.23	2.14	0.0	0.0
LAB*LABt	56.71	0.23	2.14	0.0	0.0
LAB*LABu	56.71	0.23	2.14	0.0	0.0
LAB*LABv	56.71	0.23	2.14	0.0	0.0
LAB*LABw	56.71	0.23	2.14	0.0	0.0
LAB*LABx	56.71	0.23	2.14	0.0	0.0
LAB*LABy	56.71	0.23	2.14	0.0	0.0
LAB*LABz	56.71	0.23	2.14	0.0	0.0

	L*	a*	b*	C*	h*
relative Inform. Technology (IT)	0.75	0.75	0.75	1.0	0.0
cmyn3*	0.25	0.25	0.25	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	56.71	0.23	2.14	0.0
LAB*LABa	56.71	0.23	2.14	0.0	0.0
LAB*LABb	56.71	0.23	2.14	0.0	0.0
LAB*LABc	56.71	0.23	2.14	0.0	0.0
LAB*LABd	56.71	0.23	2.14	0.0	0.0
LAB*LABe	56.71	0.23	2.14	0.0	0.0
LAB*LABf	56.71	0.23	2.14	0.0	0.0
LAB*LABg	56.71	0.23	2.14	0.0	0.0
LAB*LABh	56.71	0.23	2.14	0.0	0.0
LAB*LABi	56.71	0.23	2.14	0.0	0.0
LAB*LABj	56.71	0.23	2.14	0.0	0.0
LAB*LABk	56.71	0.23	2.14	0.0	0.0
LAB*LABl	56.71	0.23	2.14	0.0	0.0
LAB*LABm	56.71	0.23	2.14	0.0	0.0
LAB*LABn	56.71	0.23	2.14	0.0	0.0
LAB*LABo	56.71	0.23	2.14	0.0	0.0
LAB*LABp	56.71	0.23	2.14	0.0	0.0
LAB*LABq	56.71	0.23	2.14	0.0	0.0
LAB*LABr	56.71	0.23	2.14	0.0	0.0
LAB*LABs	56.71	0.23	2.14	0.0	0.0
LAB*LABt	56.71	0.23	2.14	0.0	0.0
LAB*LABu	56.71	0.23	2.14	0.0	0.0
LAB*LABv	56.71	0.23	2.14	0.0	0.0
LAB*LABw	56.71	0.23	2.14	0.0	0.0
LAB*LABx	56.71	0.23	2.14	0.0	0.0
LAB*LABy	56.71	0.23	2.14	0.0	0.0
LAB*LABz	56.71	0.23	2.14	0.0	0.0

	L*	a*	b*	C*	h*
relative Inform. Technology (IT)	0.75	0.75	0.75	1.0	0.0
cmyn3*	0.25	0.25	0.25	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	56.71	0.23	2.14	0.0
LAB*LABa	56.71	0.23	2.14	0.0	0.0
LAB*LABb	56.71	0.23	2.14	0.0	0.0
LAB*LABc	56.71	0.23	2.14	0.0	0.0
LAB*LABd	56.71	0.23	2.14	0.0	0.0
LAB*LABe	56.71	0.23	2.14	0.0	0.0
LAB*LABf	56.71	0.23	2.14	0.0	0.0
LAB*LABg	56.71	0.23	2.14	0.0	0.0
LAB*LABh	56.71	0.23	2.14	0.0	0.0
LAB*LABi	56.71	0.23	2.14	0.0	0.0
LAB*LABj	56.71	0.23	2.14	0.0	0.0
LAB*LABk	56.71	0.23	2.14	0.0	0.0
LAB*LABl	56.71	0.23	2.14	0.0	0.0
LAB*LABm	56.71	0.23	2.14	0.0	0.0
LAB*LABn	56.71	0.23	2.14	0.0	0.0
LAB*LABo	56.71	0.23	2.14	0.0	0.0
LAB*LABp	56.71	0.23	2.14	0.0	0.0
LAB*LABq	56.71	0.23	2.14	0.0	0.0
LAB*LABr	56.71	0.23	2.14	0.0	0.0
LAB*LABs	56.71	0.23	2.14	0.0	0.0
LAB*LABt	56.71	0.23	2.14	0.0	0.0
LAB*LABu	56.71	0.23	2.14	0.0	0.0
LAB*LABv	56.71	0.23	2.14	0.0	0.0
LAB*LABw	56.71	0.23	2.14	0.0	0.0
LAB*LABx	56.71	0.23	2.14	0.0	0.0
LAB*LABy	56.71	0.23	2.14	0.0	0.0
LAB*LABz	56.71	0.23	2.14	0.0	0.0

	L*	a*	b*	C*	h*
relative Inform. Technology (IT)	0.75	0.75	0.75	1.0	0.0
cmyn3*	0.25	0.25	0.25	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	56.71	0.23	2.14	0.0
LAB*LABa	56.71	0.23	2.14	0.0	0.0
LAB*LABb	56.71	0.23	2.14	0.0	0.0
LAB*LABc	56.71	0.23	2.14	0.0	0.0
LAB*LABd	56.71	0.23	2.14	0.0	0.0
LAB*LABe	56.71	0.23	2.14	0.0	0.0
LAB*LABf	56.71	0.23	2.14	0.0	0.0
LAB*LABg	56.71	0.23	2.14	0.0	0.0
LAB*LABh	56.71	0.23	2.14	0.0	0.0
LAB*LABi	56.71	0.23	2.14	0.0	0.0
LAB*LABj	56.71	0.23	2.14	0.0	0.0
LAB*LABk	56.71	0.23	2.14	0.0	0.0
LAB*LABl	56.71	0.23	2.14	0.0	0.0
LAB*LABm	56.71	0.23	2.14	0.0	0.0
LAB*LABn	56.71	0.23	2.14	0.0	0.0
LAB*LABo	56.71	0.23	2.14	0.0	0.0
LAB*LABp	56.71	0.23	2.14	0.0	0.0
LAB*LABq	56.71	0.23	2.14	0.0	0.0
LAB*LABr	56.71	0.23	2.14	0.0	0.0
LAB*LABs	56.71	0.23	2.14	0.0	0.0
LAB*LABt	56.71	0.23	2.14	0.0	0.0
LAB*LABu	56.71	0.23	2.14	0.0	0.0
LAB*LABv	56.71	0.23	2.14	0.0	0.0
LAB*LABw	56.71	0.23	2.14	0.0	0.0
LAB*LABx	56.71	0.23	2.14	0.0	0.0
LAB*LABy	56.71	0.23	2.14	0.0	0.0
LAB*LABz	56.71	0.23	2.14	0.0	0.0

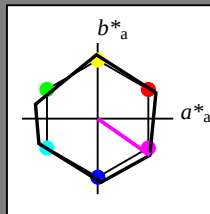
relative CIEDEAB lab			
lab*lab	0.5	0.0	0.0
lab*ich	0.5	0.0	-
lab*nch	0.5	0.0	-
relative Natural Colour (NC)			
lab*lrj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nCE	0.5	0.0	-

relative Inform. Technology (IT)			
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Eingabe: Farbmatisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$ lab^*tch und lab^*nch D65: Buntton B50R
LCH*Ma: 53 84 325
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



NRS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

0,75

 $n^* = 0,00$

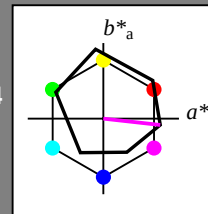
0,25

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

Ausgabe: Farbmatisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 354/360 = 0.982$ lab^*tch und lab^*nch D65: Buntton M
LCH*Ma: 48 76 354
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

1,00

0,75

 $n^* = 0,00$

0,25

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

TG470-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (rechts)

BAM-Prüfvorlage TG47; Farbmatrik-Systeme ORS18 & ORS18 input: $olv^* setrgbcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Eingabe: Farbmatisches Reflexions-System NRS11

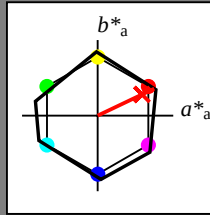
für Buntton $h^* = lab^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

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

Ausgabe: Farbmatisches Reflexions-System ORS18

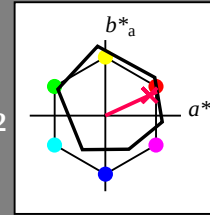
für Buntton $h^* = lab^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

1,00

0,75

 $n^* = 0,00$

0,25

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

TG470-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

BAM-Prüfvorlage TG47; Farbmatrik-Systeme ORS18 & ORS18 input: $olv^* setrgbcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Eingabe: Farbmatisches Reflexions-System NRS11

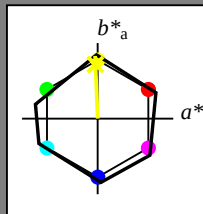
für Buntton $h^* = lab^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

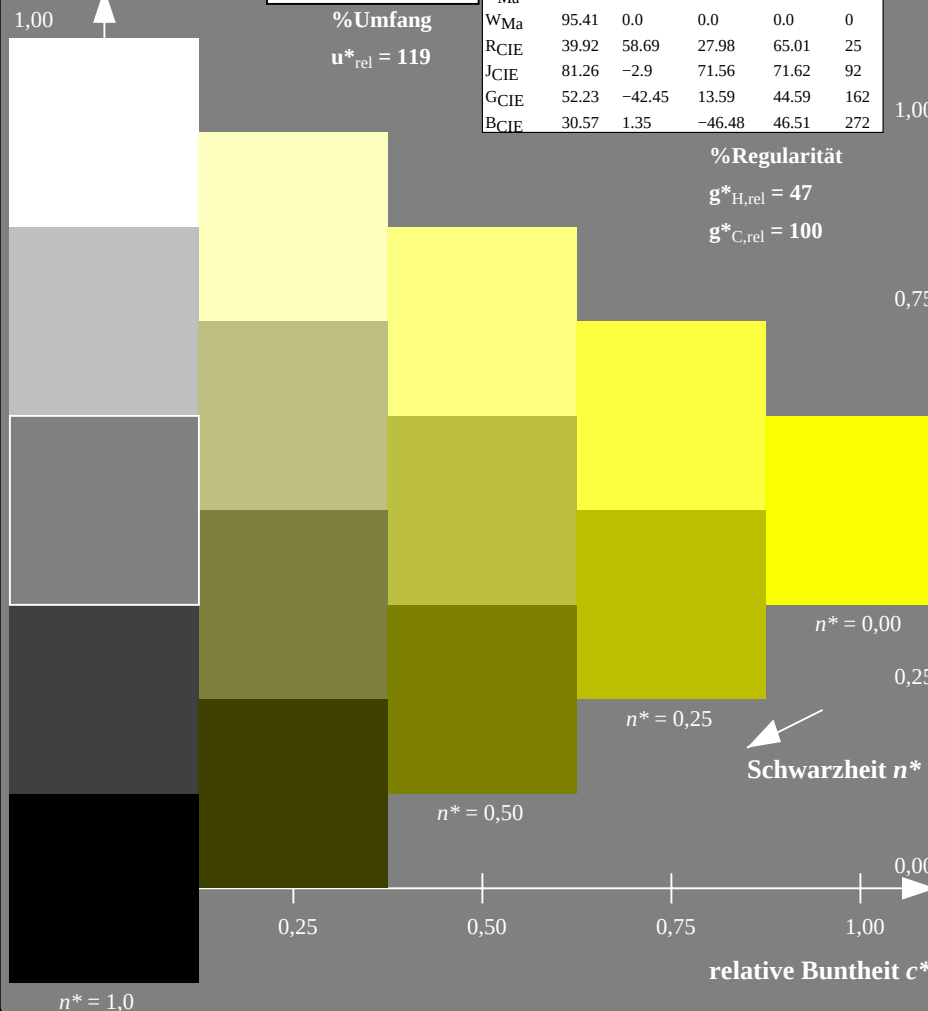
Dreiecks-Helligkeit



NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.69	27.98	65.01	25
J _{CIE}	81.26	-2.9	71.56	71.62	92
G _{CIE}	52.23	-42.45	13.59	44.59	162
B _{CIE}	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$ 

TG470-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

BAM-Prüfvorlage TG47; Farbmatisches Reflexions-System ORS18 & ORS18 input: $olv^* setrgbcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Ausgabe: Farbmatisches Reflexions-System ORS18

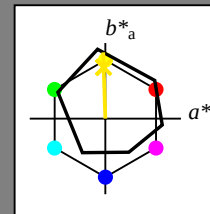
für Buntton $h^* = lab^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



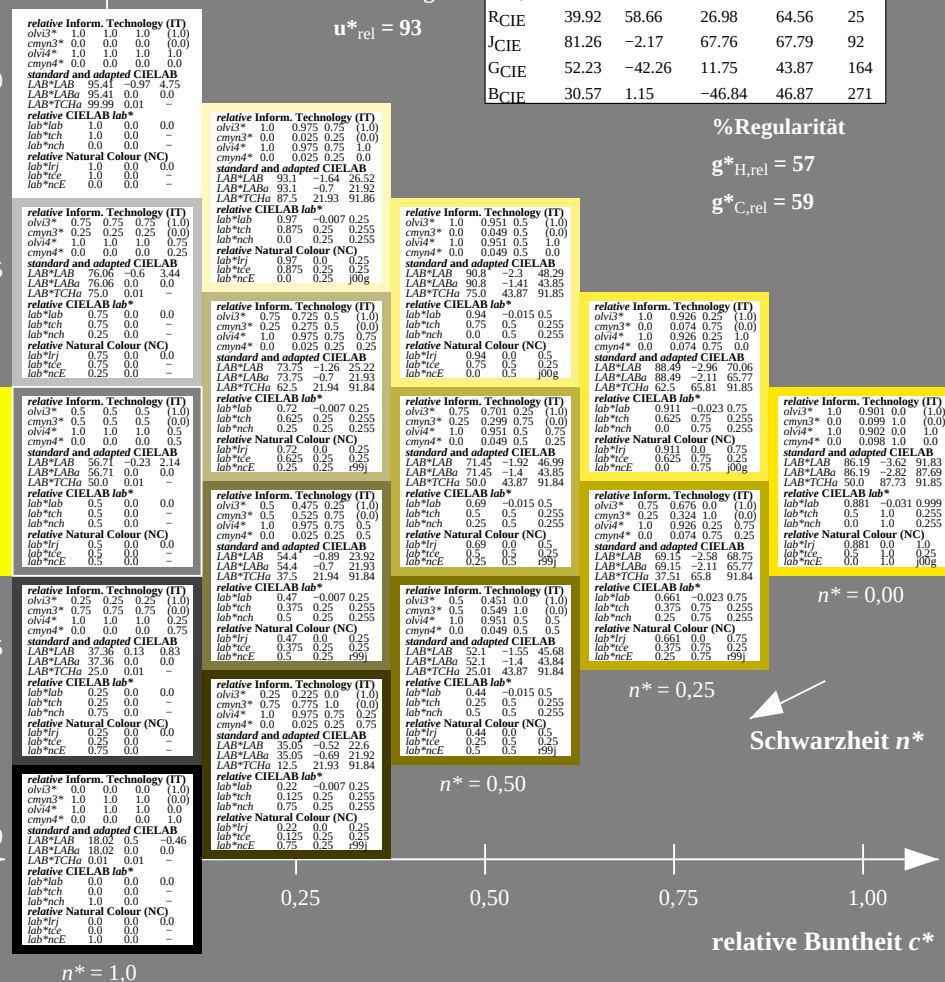
%Umfang

 $u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.56	25
J _{CIE}	81.26	-2.17	67.76	67.79	92
G _{CIE}	52.23	-42.26	11.75	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$ 

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (rechts)

Eingabe: Farbmatisches Reflexions-System NRS11

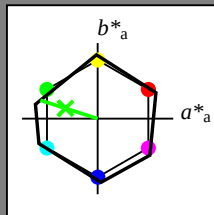
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



NRS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.69	27.98	65.01	25
J _{CIE}	81.26	-2.9	71.56	71.62	92
G _{CIE}	52.23	-42.45	13.59	44.59	162
B _{CIE}	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

Ausgabe: Farbmatisches Reflexions-System ORS18

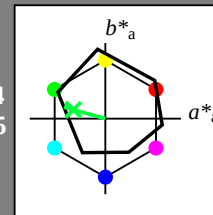
für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

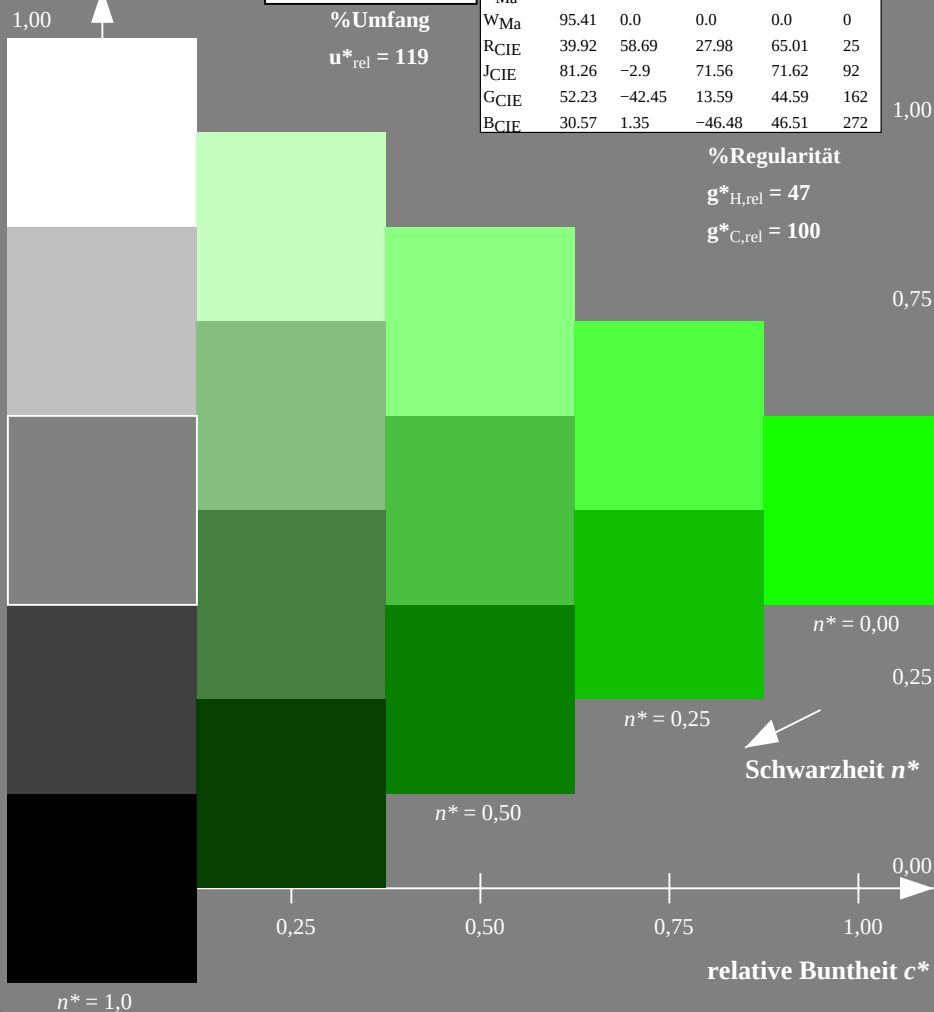
Dreiecks-Helligkeit



ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.56	25
J _{CIE}	81.26	-2.17	67.76	67.79	92
G _{CIE}	52.23	-42.26	11.75	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.87	271

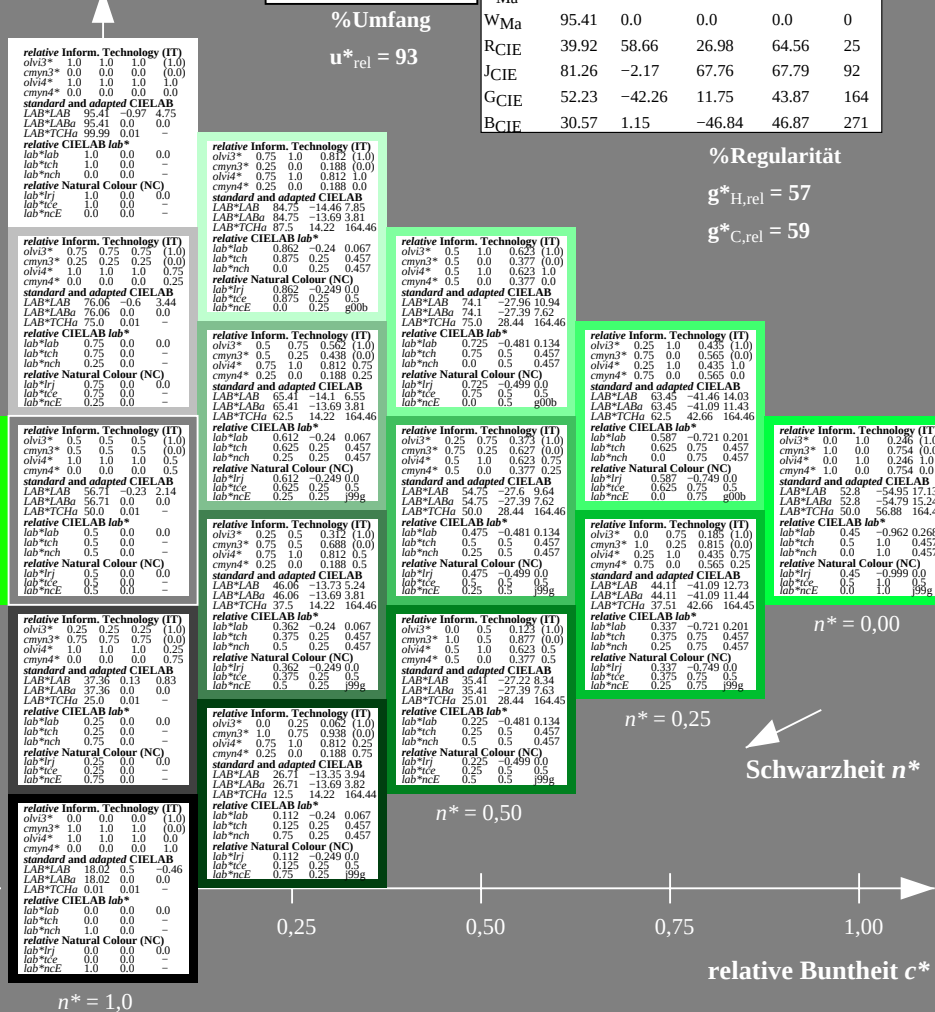
%Regularität

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$ 

TG47-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

BAM-Prüfvorlage TG47; Farbmatrik-Systeme ORS18 & ORS18 input: $olv^* setrgbcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: Startup (S) data dependend



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

Eingabe: Farbmimetrisches Reflexions-System NRS11

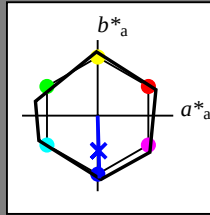
für Buntton $h^* = lab^*h = 272/360 = 0.755$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

0,75

Schwarzheit n^* relative Buntheit c^*

TG470-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

BAM-Prüfvorlage TG47; Farbmimetrik-Systeme ORS18 & ORS18 input: $olv^* setrgbcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Ausgabe: Farbmimetrisches Reflexions-System ORS18

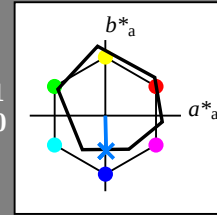
für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

1,00

0,75

Schwarzheit n^* relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)