

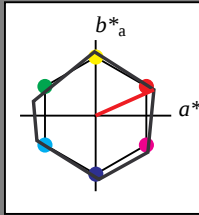
Eingabe: Farbmimetrisches Reflexions-System NRS11

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

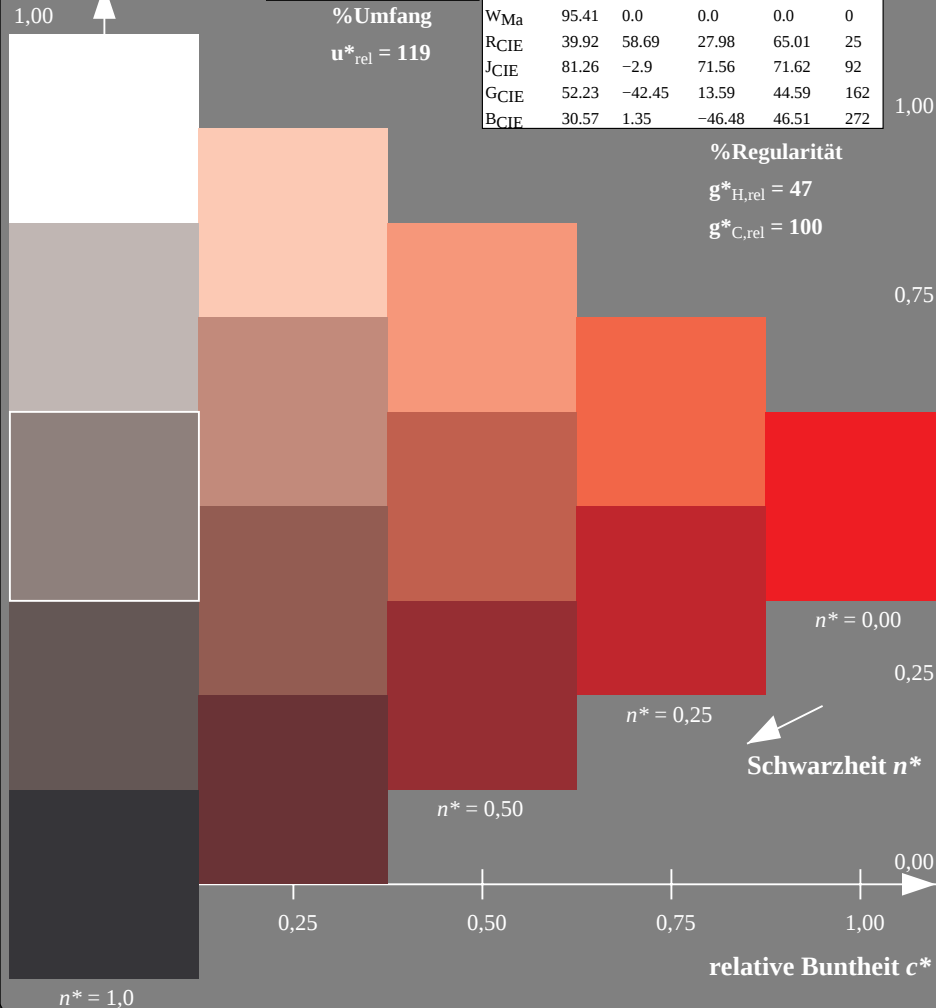


NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	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

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

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



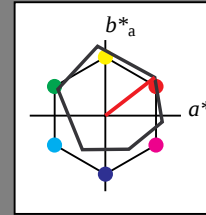
Ausgabe: Farbmimetrisches Reflexions-System ORS18

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

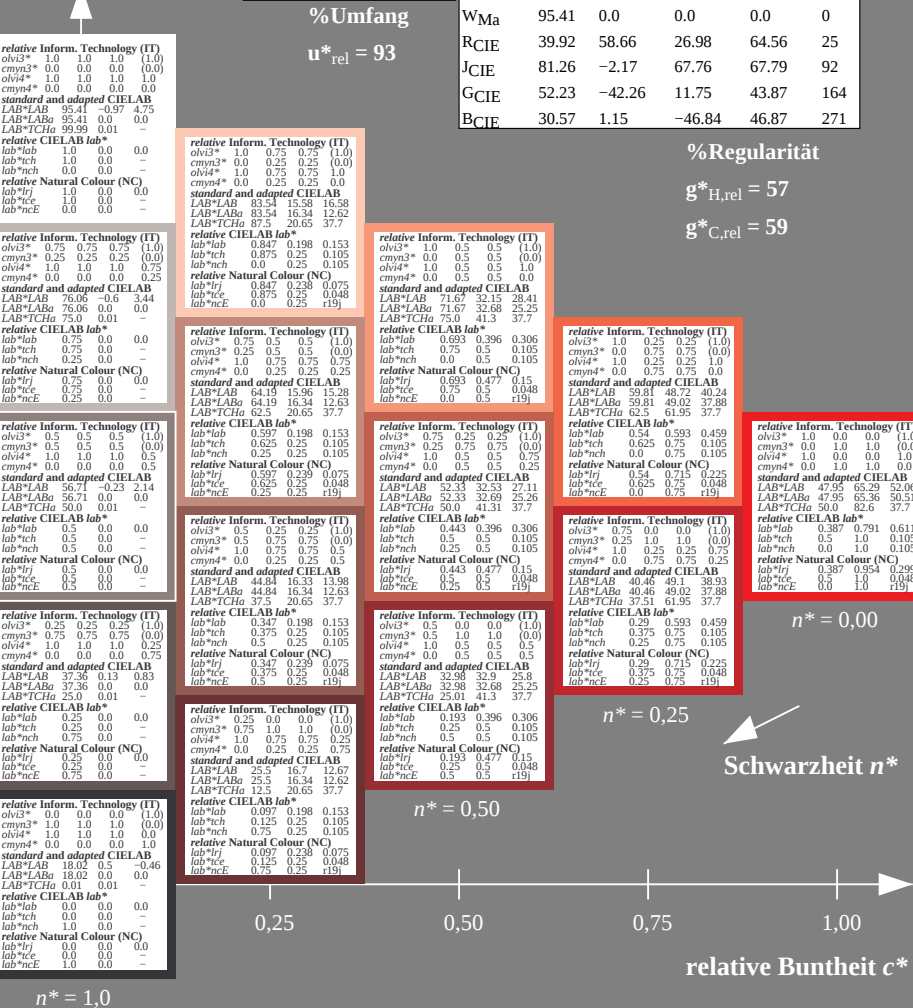


ORS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	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

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

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



UG47-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.067 (links)

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

BAM-Prüfvorlage UG47; Farbmimetrik-Systeme NRS11 & ORS18input: $cmy0^* setcmykcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: $no\ change\ compared\ to\ input$

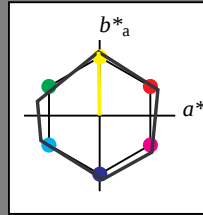
Eingabe: Farbmimetrisches Reflexions-System NRS11

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



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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

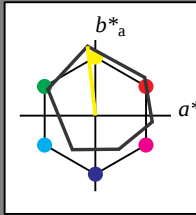
Ausgabe: Farbmimetrisches Reflexions-System ORS18

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



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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

UG47-7, 5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.253 (links)

5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (rechts)

BAM-Prüfvorlage UG47; Farbmimetrik-Systeme NRS11 & ORS18input: $cmY0^* setcmykcolor$

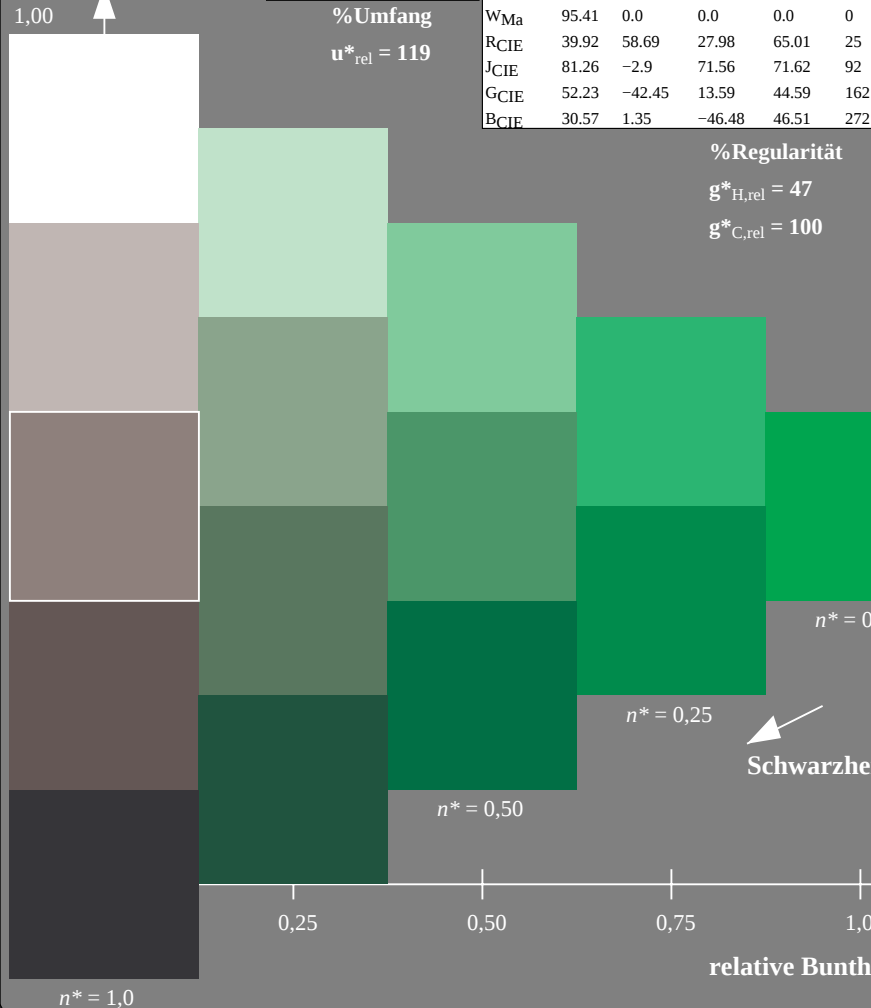
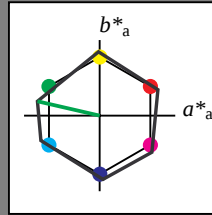
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: $no change compared to input$

Eingabe: Farbmimetrisches 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



UG470-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.464 (links)

BAM-Prüfvorlage UG47; Farbmimetrik-Systeme NRS11 & ORS18input: *cmY0* setcmykcolor*

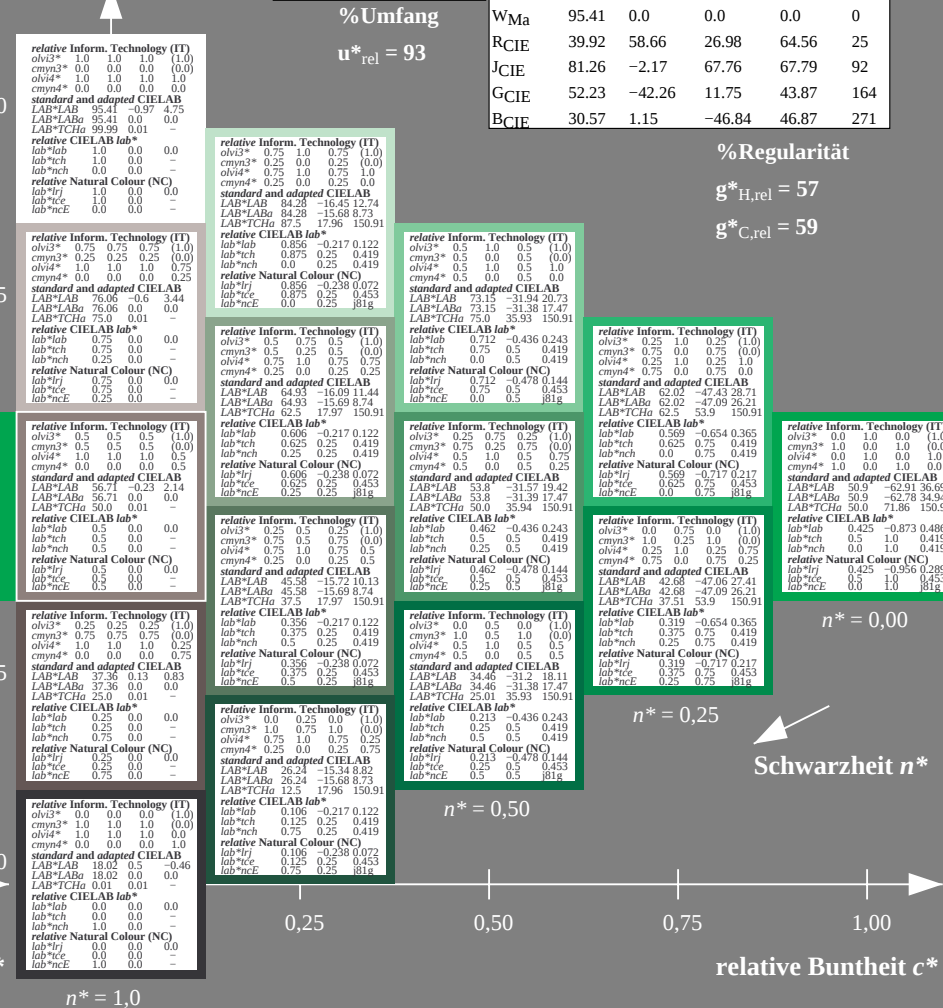
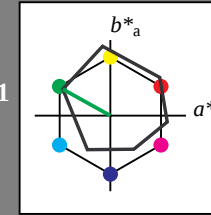
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*

Ausgabe: Farbmimetrisches 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



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

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^*

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmY3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmY4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*TCh	95.41	0.0	0.0		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	1.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmY3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmY4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*TCh	76.06	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.75	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmY3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmY4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.23	2.14		
LAB*TCh	56.71	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmY3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmY4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.13	0.83		
LAB*TCh	37.36	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	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	0.0		
lab*nce	0.75	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmY3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmY4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.3	0.46		
LAB*TCh	18.02	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

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

0,75

Schwarzheit n^*

relative Buntheit c^*

relative Inform. Technology (IT)					
olvi3*	0.75	1.0	0.75	(1.0)	
cmY3*	0.25	0.0	0.25	(0.0)	
olvi4*	0.75	1.0	0.75	(1.0)	
cmY4*	0.25	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	84.28	-16.45	12.74		
LAB*TCh	84.28	-15.68	8.73		
relative CIELAB lab*					
lab*lab	0.75	0.25	0.419		
lab*tch	0.75	0.25	0.419		
lab*nch	0.0	0.25	0.419		
relative Natural Colour (NC)					
lab*trj	0.75	0.25	0.419		
lab*tce	0.75	0.25	0.419		
lab*nce	0.0	0.25	0.419		

relative Inform. Technology (IT)					
olvi3*	0.5	0.75	0.5	(1.0)	
cmY3*	0.5	0.25	0.5	(0.0)	
olvi4*	0.75	1.0	0.75	(1.0)	
cmY4*	0.25	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	64.93	-16.09	11.44		
LAB*TCh	64.93	-15.69	8.74		
relative CIELAB lab*					
lab*lab	0.5	0.25	0.419		
lab*tch	0.5	0.25	0.419		
lab*nch	0.5	0.25	0.419		
relative Natural Colour (NC)					
lab*trj	0.5	0.25	0.419		
lab*tce	0.5	0.25	0.419		
lab*nce	0.5	0.25	0.419		

relative Inform. Technology (IT)					
olvi3*	0.25	0.75	0.25	(1.0)	
cmY3*	0.75	0.25	0.75	(0.0)	
olvi4*	0.5	1.0	0.5	(1.0)	
cmY4*	0.5	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.8	-31.57	19.42		
LAB*TCh	53.8	-31.39	17.47		
relative CIELAB lab*					
lab*lab	0.25	0.75	0.419		
lab*tch	0.25	0.75	0.419		
lab*nch	0.5	0.75	0.419		
relative Natural Colour (NC)					
lab*trj	0.25	0.75	0.419		
lab*tce	0.25	0.75	0.419		
lab*nce	0.5	0.75	0.419		

relative Inform. Technology (IT)					
olvi3*	0.0	0.5	0.0	(1.0)	
cmY3*	1.0	0.5	1.0	(0.0)	
olvi4*	0.5	1.0	0.5	(1.0)	
cmY4*	0.5	0.0	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	45.58	-15.72	10.13		
LAB*TCh	45.58	-15.69	8.74		
relative CIELAB lab*					
lab*lab	0.0	0.5	0.419		
lab*tch	0.0	0.5	0.419		
lab*nch	0.5	0.5	0.419		
relative Natural Colour (NC)					
lab*trj	0.0	0.5	0.419		
lab*tce	0.0	0.5	0.419		
lab*nce	0.5	0.5	0.419		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmY3*	1.0	0.75	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmY4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	34.46	-31.2	18.11		
LAB*TCh	34.46	-31.38	17.47		
relative CIELAB lab*					
lab*lab	0.0	0.25	0.419		
lab*tch	0.0	0.25	0.419		
lab*nch	0.5	0.25	0.419		
relative Natural Colour (NC)					
lab*trj	0.0	0.25	0.419		
lab*tce	0.0	0.25	0.419		
lab*nce	0.5	0.25	0.419		

= 93	RCIE	39
	JCIE	81
	GCIE	52
	BCIE	30

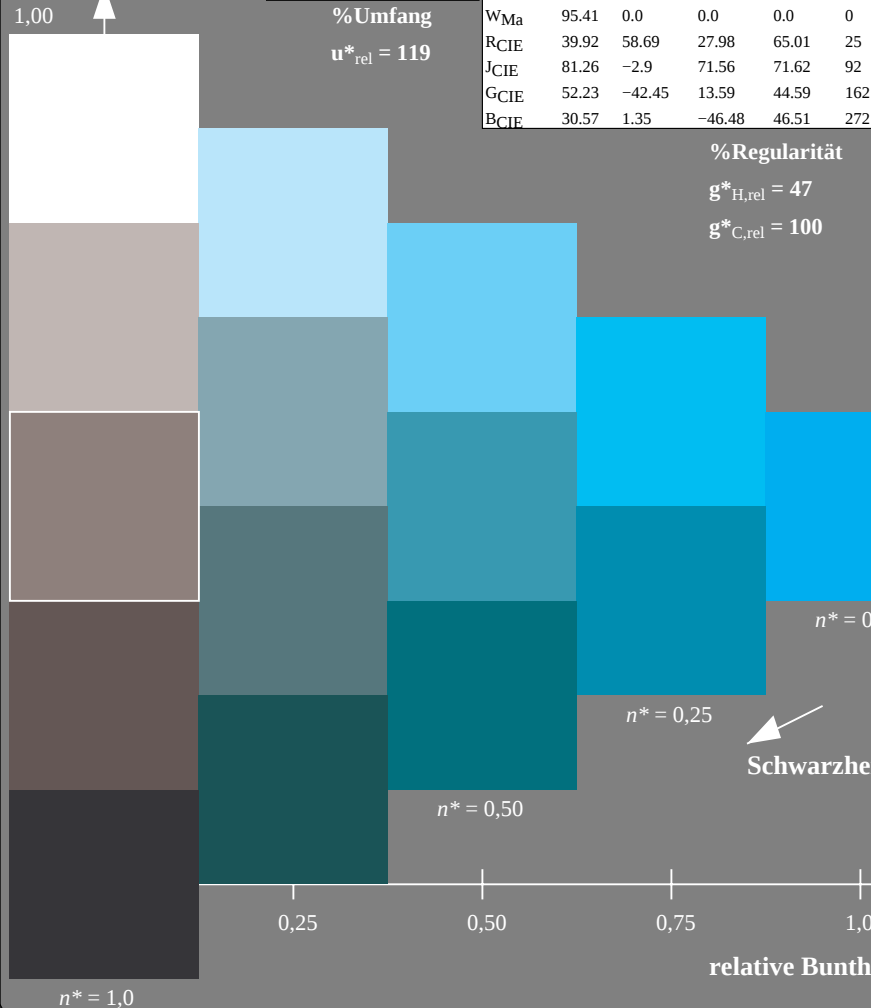
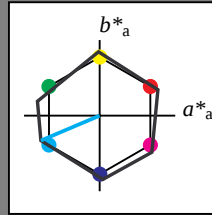
Eingabe: Farbmimetrisches Reflexions-System NRS11

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



UG470-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (links)

BAM-Prüfvorlage UG47; Farbmimetrik-Systeme NRS11 & ORS18input: *cmY0* setcmykcolor*

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*

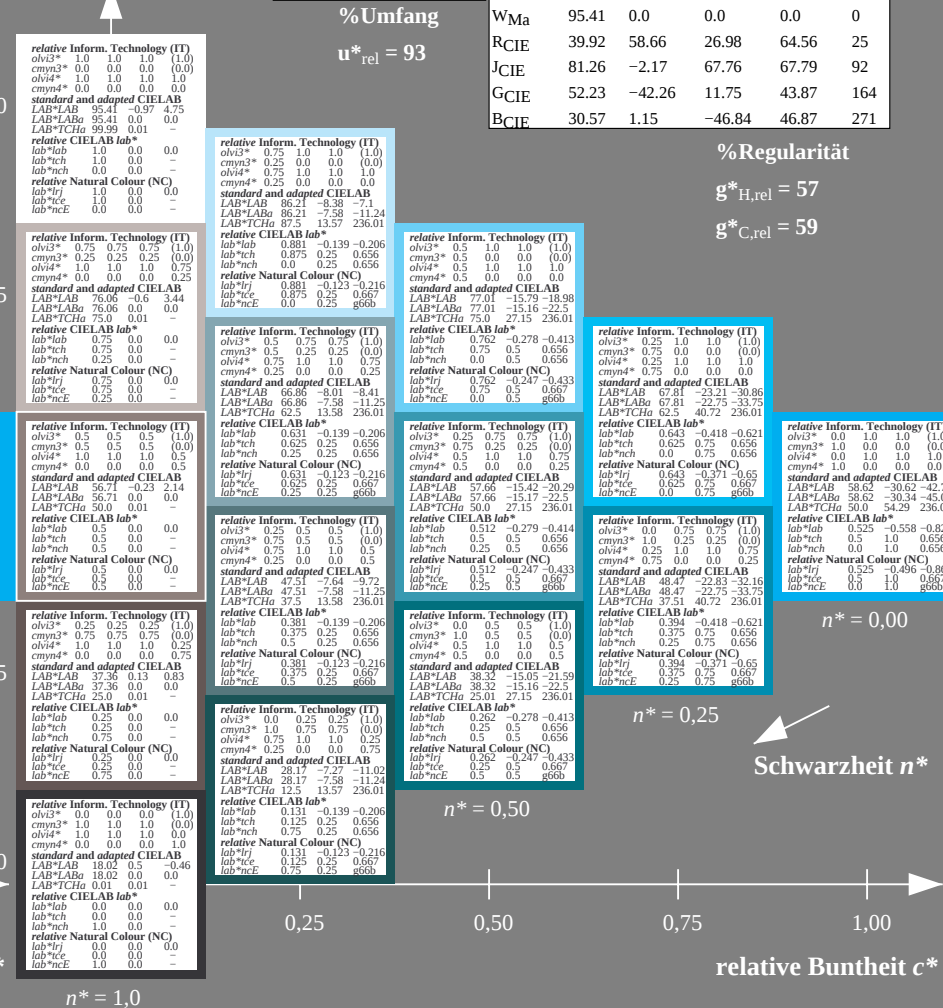
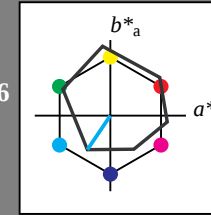
Ausgabe: Farbmimetrisches Reflexions-System ORS18

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



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

$u^*_{rel} = 119$

%Regularität

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

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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 0,50$

0,75

$n^* = 0,75$

1,00

$n^* = 1,00$

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

0,25

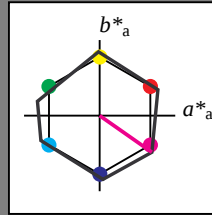
Eingabe: Farbmimetrisches Reflexions-System NRS11

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

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

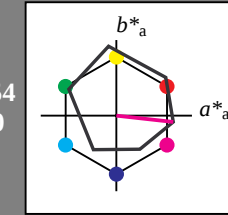
Ausgabe: Farbmimetrisches Reflexions-System ORS18

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
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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

UG470-7, 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 UG47; Farbmimetrik-Systeme NRS11 & ORS18input: $cmY0^* setcmykcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: no change compared to input

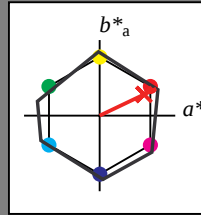
Eingabe: Farbmimetrisches Reflexions-System NRS11

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
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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

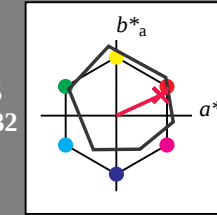
Ausgabe: Farbmimetrisches Reflexions-System ORS18

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
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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

UG470-7, 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 UG47; Farbmimetrik-Systeme NRS11 & ORS18input: *cmY0* setcmYkcolor*

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*

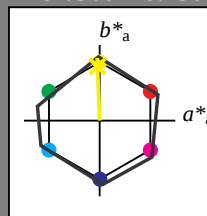
Eingabe: Farbmimetrisches Reflexions-System NRS11

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
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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

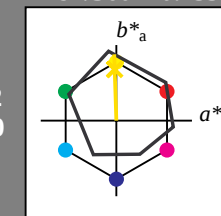
Ausgabe: Farbmimetrisches Reflexions-System ORS18

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



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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

UG47-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

BAM-Prüfvorlage UG47; Farbmimetrik-Systeme NRS11 & ORS18input: $cmY0^* setcmykcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: no change compared to input

Eingabe: Farbmimetrisches 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

1,00

%Umfang

$u^*_{rel} = 119$

%Regularität

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

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

0,75

%Regularität

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

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

0,25

%Regularität

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

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

0,00

%Regularität

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

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

0,25

%Regularität

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

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

0,50

%Regularität

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

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

0,75

%Regularität

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

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

1,00

%Regularität

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

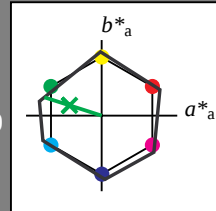
$g^*_{C,rel} = 100$

0,25

%Regularität

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

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



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

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

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

0,75

%Regularität

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

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

0,25

%Regularität

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

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

0,00

%Regularität

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

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

0,25

%Regularität

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

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

0,50

%Regularität

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

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

0,75

%Regularität

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

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

1,00

%Regularität

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

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

0,25

%Regularität

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

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

Ausgabe: Farbmimetrisches 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

1,00

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

0,75

%Regularität

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

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

0,25

%Regularität

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

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

0,00

%Regularität

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

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

0,25

%Regularität

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

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

0,50

%Regularität

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

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

0,75

%Regularität

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

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

1,00

%Regularität

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

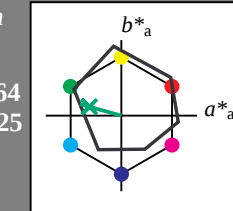
$g^*_{C,rel} = 59$

0,25

%Regularität

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

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



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
CLMa	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

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

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

0,75

%Regularität

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

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

0,25

%Regularität

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

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

0,00

%Regularität

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

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

0,25

%Regularität

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

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

0,50

%Regularität

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

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

0,75

%Regularität

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

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

1,00

%Regularität

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

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

0,25

%Regularität

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

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

%Umfang

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

Eingabe: Farbmimetrisches Reflexions-System NRS11

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

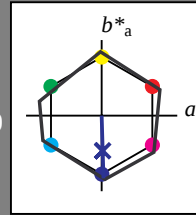
lab^*tch und lab^*nch

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

0,25

0,00

0,00

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

Ausgabe: Farbmimetrisches Reflexions-System ORS18

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

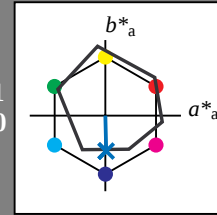
lab^*tch und lab^*nch

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

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

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

0,75

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

$n^* = 1,0$

UG47-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

BAM-Prüfvorlage UG47; Farbmimetrik-Systeme NRS11 & ORS18input: $cmY0^* setcmykcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*