

Eingabe: Farbmimetrisches Reflexions-System ORS18

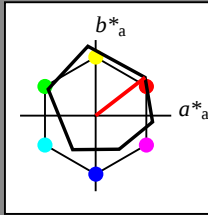
für Buntton $h^* = lab^*h = 38/360 = 0.105$

lab^*tch und lab^*nch

D65: Buntton O
LCH*Ma: 48 83 38
rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

1,00



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*	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	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	95.41	0.0	0.0		
LAB*LABc	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*trc	1.0	0.0	0.0		
lab*ncc	0.0	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	74.31	0.02	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*LABb	74.31	0.0	0.0		
LAB*LABc	74.31	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*trc	0.75	0.0	0.0		
lab*ncc	0.25	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	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.04	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*LABb	53.21	0.0	0.0		
LAB*LABc	53.21	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*trc	0.5	0.0	0.0		
lab*ncc	0.5	0.0	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	32.11	0.05	0.01		
LAB*LABa	32.11	0.0	0.0		
LAB*LABb	32.11	0.0	0.0		
LAB*LABc	32.11	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*trc	0.25	0.0	0.0		
lab*ncc	0.75	0.0	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	11.01	0.07	0.01		
LAB*LABa	11.01	0.0	0.0		
LAB*LABb	11.01	0.0	0.0		
LAB*LABc	11.01	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		

Eingabe: Farbmatisches Reflexions-System ORS18

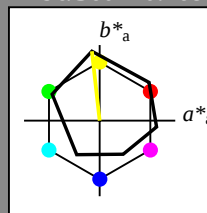
für Buntton $h^* = lab^*h = 96/360 = 0.268$

lab^*tch und lab^*nch

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

Dreiecks-Helligkeit

1,00



%Umfang

$u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

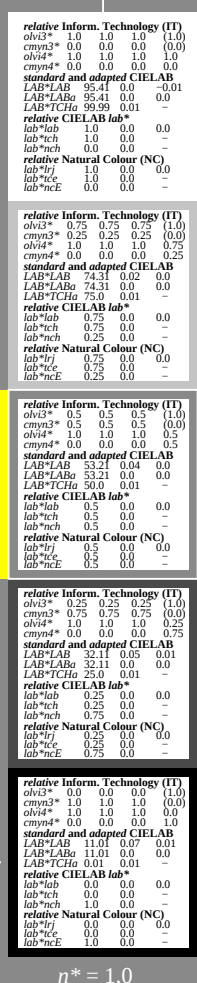
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	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



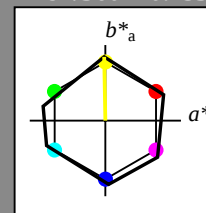
Ausgabe: Farbmatisches Reflexions-System NRS11

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

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten

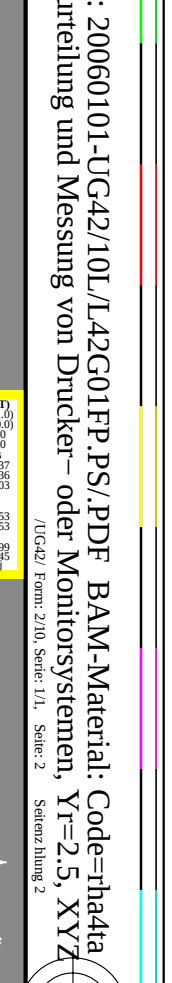
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	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



UG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.253 (rechts)

BAM-Prüfvorlage UG42; Farbmatrik-Systeme ORS18 & NRS11input: `cmY0* setcmYcolor`

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: `ol0* setrgbcolor / w* setgray`

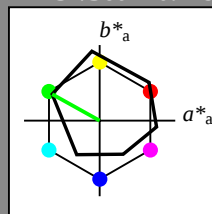
Eingabe: Farbmatisches Reflexions-System ORS18

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

1,00



%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*	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	-0.01	
LAB*Lab	95.41	0.0	0.0	
LAB*TCh	98.99	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*trj	1.0	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	74.31	0.02	0.0	
LAB*Lab	74.31	0.0	0.0	
LAB*TCh	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	0.75	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	53.21	0.04	0.0	
LAB*Lab	53.21	0.0	0.0	
LAB*TCh	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*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	32.11	0.07	0.01	
LAB*Lab	32.11	0.0	0.0	
LAB*TCh	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	-	
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	11.01	0.07	0.01	
LAB*Lab	11.01	0.0	0.0	
LAB*TCh	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*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	1.0	0.0	-	

$n^* = 1.0$

5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.464 (rechts)

BAM-Prüfvorlage UG42; Farbmatrik-Systeme ORS18 & NRS11input: $cmY0^* setcmykcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: $olV^* setrgbcolor$ / $w^* setgray$

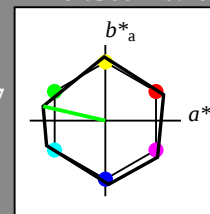
Ausgabe: Farbmatisches Reflexions-System NRS11

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



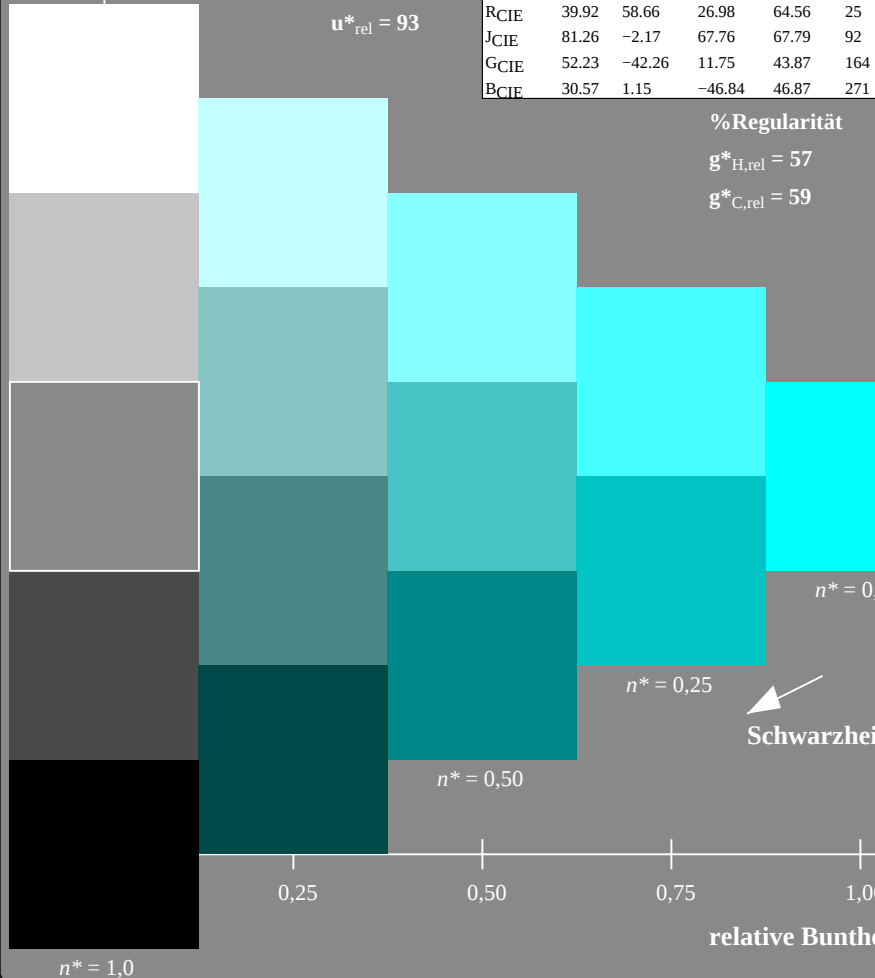
Eingabe: Farbmatisches Reflexions-System ORS18

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

1,00



UG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

BAM-Prüfvorlage UG42; Farbmatrik-Systeme ORS18 & NRS11input: `cmv0* setcmvcolor`

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: `olv* setrgbcolor / w* setgray`

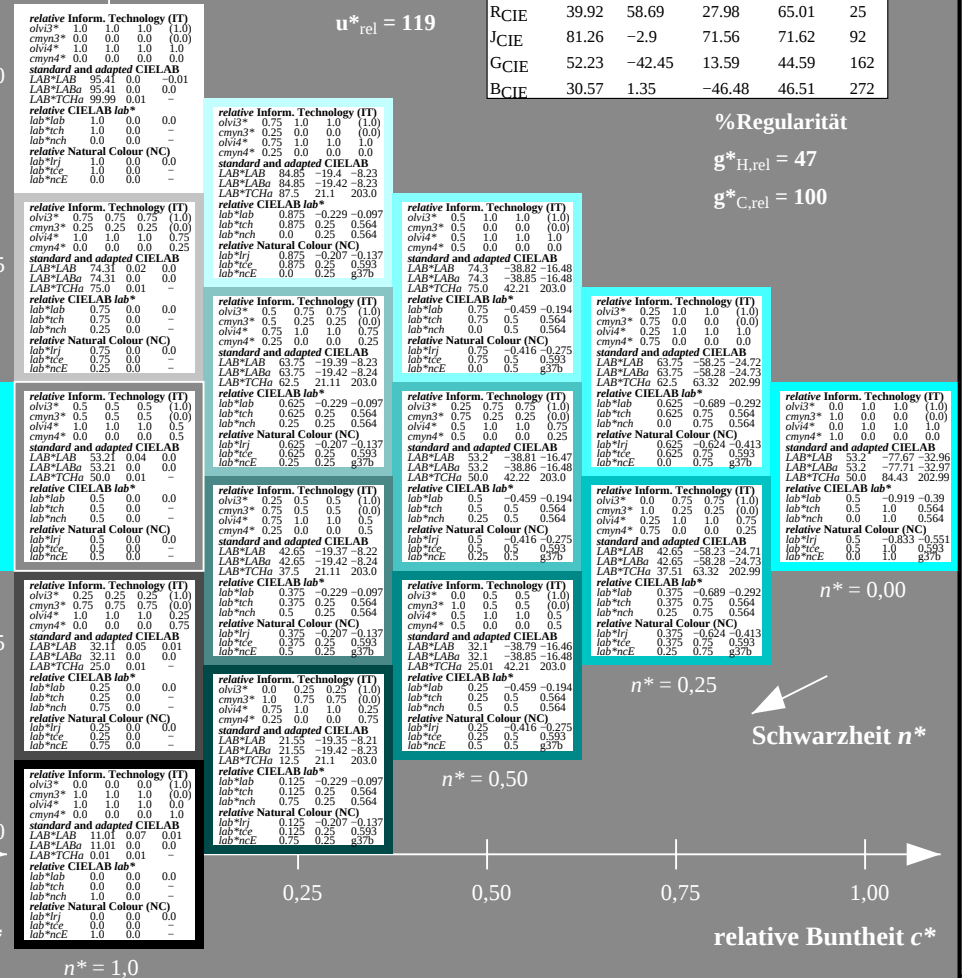
Ausgabe: Farbmatisches Reflexions-System NRS11

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

1,00



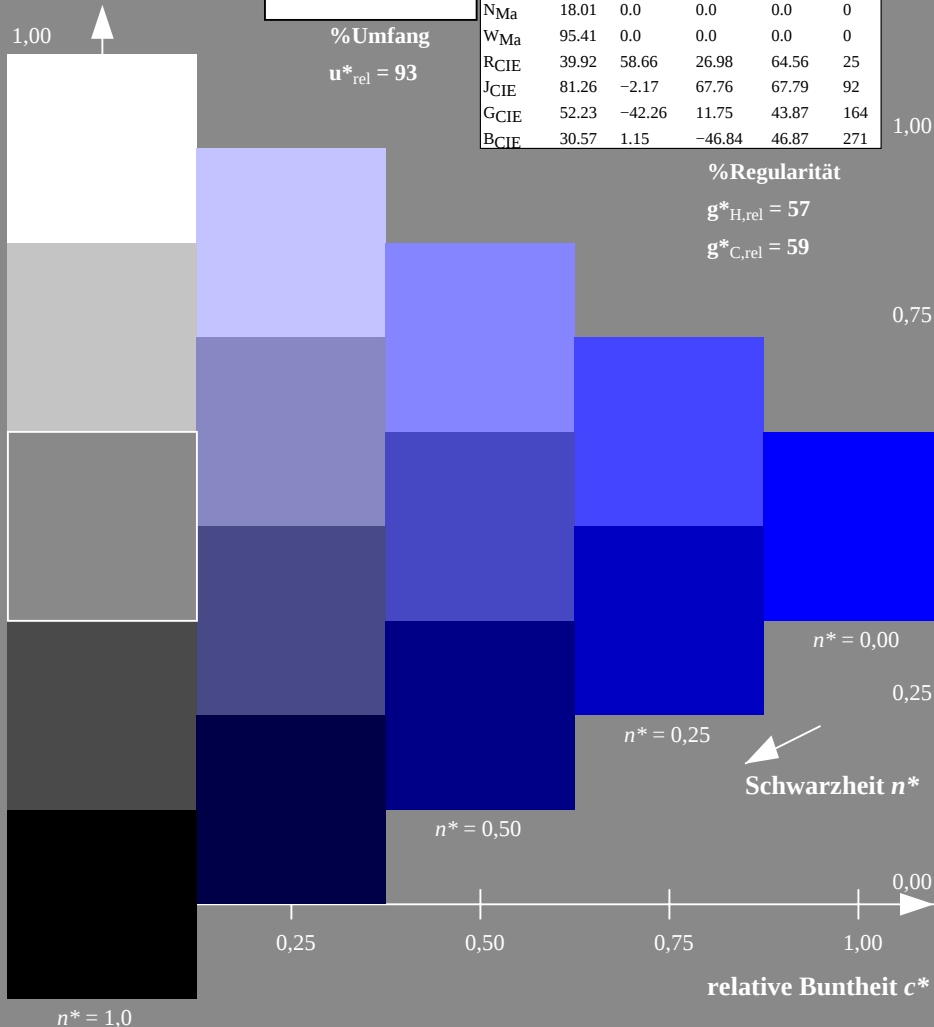
5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (rechts)

Eingabe: Farbmimetrisches Reflexions-System ORS18

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

D65: Buntton V
LCH*Ma: 26 54 305
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



UG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

BAM-Prüfvorlage UG42; Farbmimetrische-Systeme ORS18 & NRS11input: `cmY0* setcmYcolor`

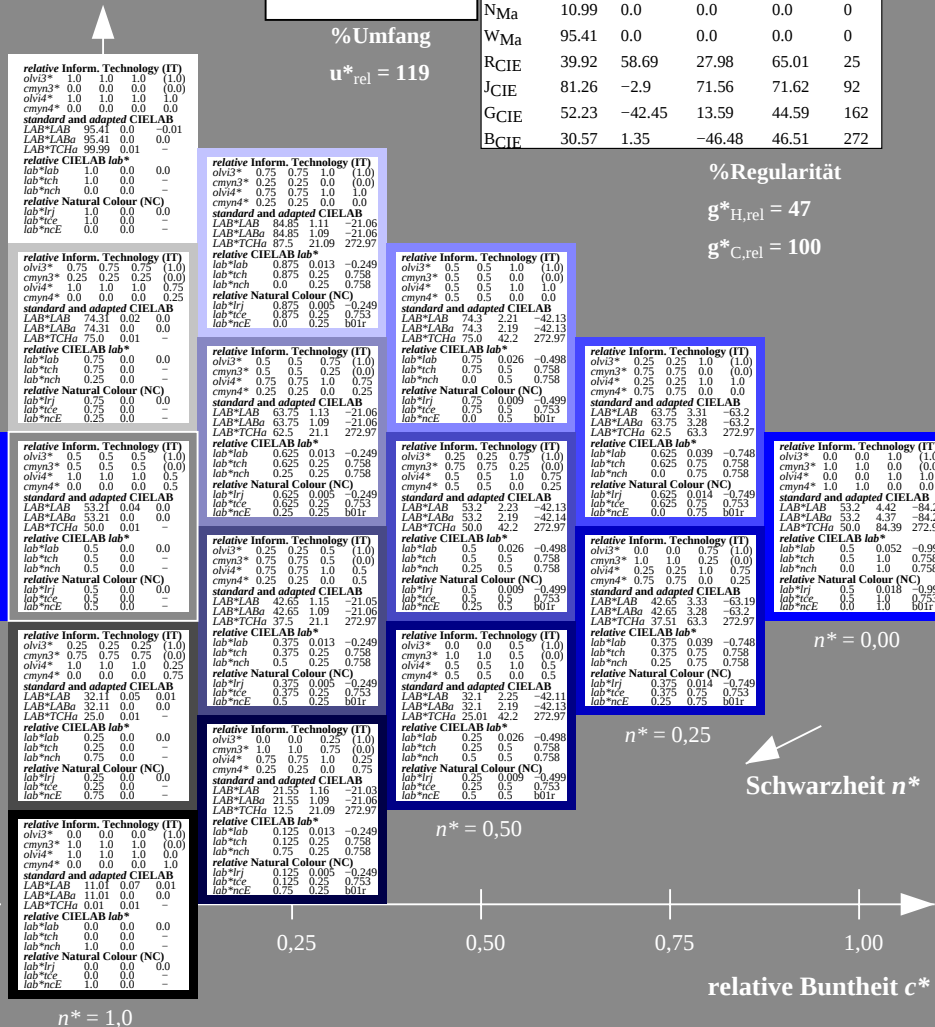
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: `u* setrgbcolor / w* setgray`

Ausgabe: Farbmimetrisches 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



5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.758 (rechts)

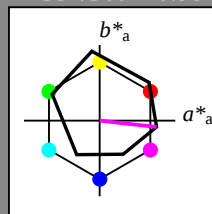
Eingabe: Farbmatisches Reflexions-System ORS18

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

1,00



%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)
 $olvi3^* 1.0 1.0 1.0 (1.0)$
 $cmyn3^* 0.0 0.0 0.0 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
standard and adapted CIELAB
 $LAB^*LAB 95.41 0.0 -0.01$
 $LAB^*LAb 95.41 0.0 0.0$
 $LAB^*TCha 99.99 0.01 0.0$
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)
 $olvi3^* 0.75 0.75 0.75 (1.0)$
 $cmyn3^* 0.25 0.25 0.25 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
standard and adapted CIELAB
 $LAB^*LAB 74.31 0.02 0.0$
 $LAB^*LAb 74.31 0.0 0.0$
 $LAB^*TCha 75.0 0.01 0.0$
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)
 $lab^*trj 0.75 0.0 0.0$
 $lab^*tce 0.25 0.0 0.0$
 $lab^*nce 0.25 0.0 0.0$

relative Inform. Technology (IT)
 $olvi3^* 0.5 0.5 0.5 (1.0)$
 $cmyn3^* 0.5 0.5 0.5 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
standard and adapted CIELAB
 $LAB^*LAB 53.21 0.04 0.0$
 $LAB^*LAb 53.21 0.0 0.0$
 $LAB^*TCha 50.0 0.01 0.0$
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)
 $olvi3^* 0.25 0.25 0.25 (1.0)$
 $cmyn3^* 0.75 0.75 0.75 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
standard and adapted CIELAB
 $LAB^*LAB 32.11 0.05 0.01$
 $LAB^*LAb 32.11 0.0 0.0$
 $LAB^*TCha 25.0 0.01 0.0$
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)
 $olvi3^* 0.0 0.0 0.0 (1.0)$
 $cmyn3^* 1.0 1.0 1.0 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmyn4^* 0.0 0.0 0.0 (0.0)$
standard and adapted CIELAB
 $LAB^*LAB 11.01 0.0 0.0$
 $LAB^*LAb 11.01 0.0 0.0$
 $LAB^*TCha 0.01 0.01 0.0$
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)
 $lab^*trj 0.0 0.0 0.0$
 $lab^*tce 0.0 0.0 0.0$
 $lab^*nce 1.0 0.0 0.0$

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
 $LAB^*LAB 0.0 0.0 0.0$
 $LAB^*LAb 0.0 0.0 0.0$
 $LAB^*TCha 0.0 0.0 0.0$
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)
 $lab^*trj 0.0 0.0 0.0$
 $lab^*tce 0.0 0.0 0.0$
 $lab^*nce 1.0 0.0 0.0$

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
 $LAB^*LAB 0.0 0.0 0.0$
 $LAB^*LAb 0.0 0.0 0.0$
 $LAB^*TCha 0.0 0.0 0.0$
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)
 $lab^*trj 0.0 0.0 0.0$
 $lab^*tce 0.0 0.0 0.0$
 $lab^*nce 1.0 0.0 0.0$

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
 $LAB^*LAB 0.0 0.0 0.0$
 $LAB^*LAb 0.0 0.0 0.0$
 $LAB^*TCha 0.0 0.0 0.0$
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)
 $lab^*trj 0.0 0.0 0.0$
 $lab^*tce 0.0 0.0 0.0$
 $lab^*nce 1.0 0.0 0.0$

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
 $LAB^*LAB 0.0 0.0 0.0$
 $LAB^*LAb 0.0 0.0 0.0$
 $LAB^*TCha 0.0 0.0 0.0$
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)
 $lab^*trj 0.0 0.0 0.0$
 $lab^*tce 0.0 0.0 0.0$
 $lab^*nce 1.0 0.0 0.0$

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 CIEL

Eingabe: Farbmatisches Reflexions-System ORS18

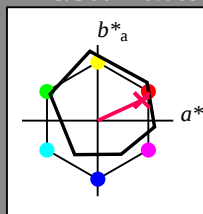
für Buntton $h^* = lab^*h = 25/360 = 0.069$

lab^*tch und lab^*nch

D65: Buntton R
LCH*Ma: 48 75 25
rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit

1,00



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*	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	-0.01
LAB*LAB	95.41	0.0	0.0	0.0
LAB*TCh	98.99	0.01	0.0	0.0
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0	0.0
lab*nce	0.0	0.0	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	74.31	0.02	0.0
LAB*LAB	74.31	0.02	0.0	0.0
LAB*TCh	75.0	0.01	0.0	0.0
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0
lab*nce	0.25	0.0	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	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	53.21	0.04	0.0
LAB*LAB	53.21	0.04	0.0	0.0
LAB*TCh	50.0	0.01	0.0	0.0
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	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	32.11	0.05	0.01
LAB*LAB	32.11	0.05	0.01	0.0
LAB*TCh	25.0	0.01	0.0	0.0
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	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	11.01	0.07	0.01
LAB*LAB	11.01	0.07	0.01	0.0
LAB*TCh	0.01	0.01	0.0	0.0
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj				

Eingabe: 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

1,00

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

$n^* = 1,0$

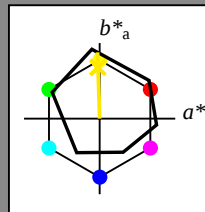
relative Buntheit c^*

$n^* = 1,0$

UG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

BAM-Prüfvorlage UG42; Farbmimetrik-Systeme ORS18 & NRS11input: $cmy0^* setcmykcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: $olv^* setrgbcolor / w^* setgray$



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

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

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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

$n^* = 1,0$

relative Buntheit c^*

$n^* = 1,0$

UG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

BAM-Prüfvorlage UG42; Farbmimetrik-Systeme ORS18 & NRS11input: $cmy0^* setcmykcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: $olv^* setrgbcolor / w^* setgray$

Ausgabe: 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

1,00

%Umfang

$u^*_{rel} = 119$

%Regularität

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

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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

$n^* = 1,0$

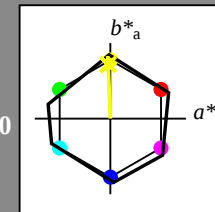
relative Buntheit c^*

$n^* = 1,0$

UG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

BAM-Prüfvorlage UG42; Farbmimetrik-Systeme ORS18 & NRS11input: $cmy0^* setcmykcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: $olv^* setrgbcolor / w^* setgray$



%Umfang

$u^*_{rel} = 119$

%Regularität

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

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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

$n^* = 1,0$

relative Buntheit c^*

$n^* = 1,0$

UG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

BAM-Prüfvorlage UG42; Farbmimetrik-Systeme ORS18 & NRS11input: $cmy0^* setcmykcolor$

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: $olv^* setrgbcolor / w^* setgray$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b		

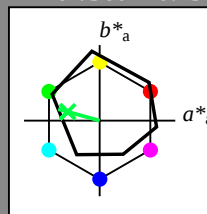
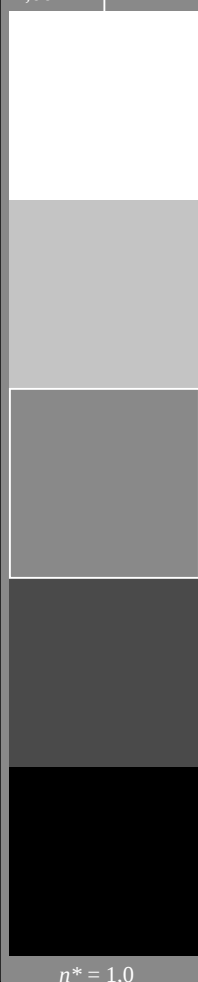
Eingabe: Farbmatisches Reflexions-System ORS18

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

1,00



%Umfang

$u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

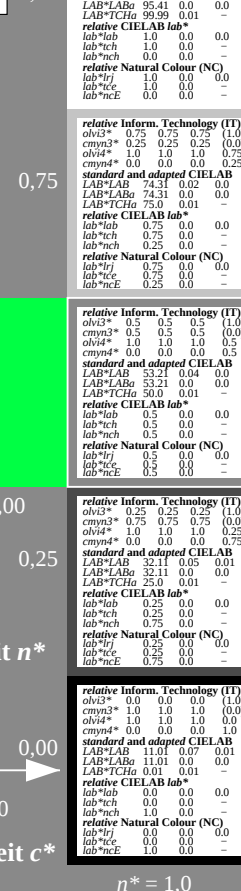
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	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



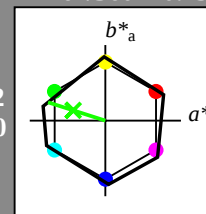
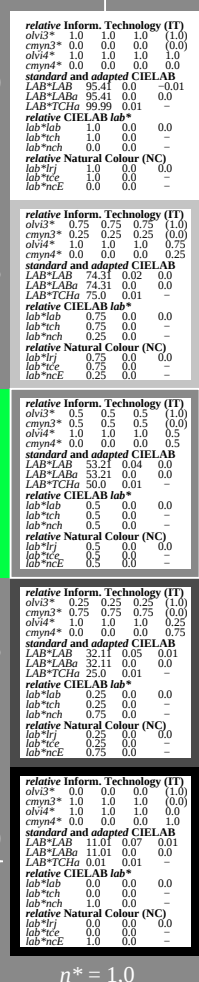
Ausgabe: Farbmatisches Reflexions-System NRS11

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

1,00



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten

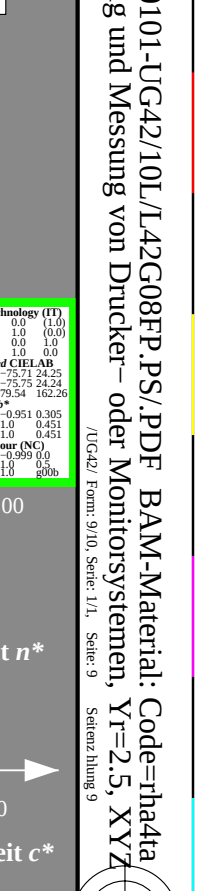
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	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



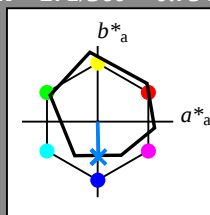
Eingabe: Farbmatisches Reflexions-System ORS18

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

1,00



%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)	$olvi3^*$	1.0	1.0	1.0	(1.0)
$cmyn3^*$	0.0	0.0	0.0	0.0	(0.0)
$olvi4^*$	1.0 <td>1.0<td>1.0<td>1.0<td>(1.0)</td></td></td></td>	1.0 <td>1.0<td>1.0<td>(1.0)</td></td></td>	1.0 <td>1.0<td>(1.0)</td></td>	1.0 <td>(1.0)</td>	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	lab^*lab	95.41	0.0	-0.01	-
lab^*tch	99.99	0.01	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	-	-	-
relative Natural Colour (NC)	lab^*trj	1.0	0.0	0.0	-
lab^*tch	1.0	0.0	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	0.25	(0.0)
$olvi4^*$	1.0 <td>1.0<td>1.0<td>1.0<td>(1.0)</td></td></td></td>	1.0 <td>1.0<td>1.0<td>(1.0)</td></td></td>	1.0 <td>1.0<td>(1.0)</td></td>	1.0 <td>(1.0)</td>	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	lab^*lab	74.31	0.02	0.0	-
lab^*tch	74.31	0.0	0.0	-	-
lab^*tch	75.0	0.01	-	-	-
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	-	-	-
relative Natural Colour (NC)	lab^*trj	0.75	0.0	0.0	-
lab^*tch	0.75	0.0	0.0	-	-
lab^*nce	0.25	0.0	-	-	-

relative Inform. Technology (IT)	$olvi3^*$	0.5	0.5	0.5	(1.0)
$cmyn3^*$	0.5 <td>0.5<td>0.5<td>0.5</td><td>(0.0)</td></td></td>	0.5 <td>0.5<td>0.5</td><td>(0.0)</td></td>	0.5 <td>0.5</td> <td>(0.0)</td>	0.5	(0.0)
$olvi4^*$	1.0 <td>1.0<td>1.0<td>1.0</td><td>(1.0)</td></td></td>	1.0 <td>1.0<td>1.0</td><td>(1.0)</td></td>	1.0 <td>1.0</td> <td>(1.0)</td>	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	lab^*lab	53.21	0.04	0.0	-
lab^*tch	53.21	0.0	0.0	-	-
lab^*tch	50.0	0.01	-	-	-
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	-	-	-
relative Natural Colour (NC)	lab^*trj	0.5	0.0	0.0	-
lab^*tch	0.5	0.0	0.0	-	-
lab^*nce	0.5	0.0	-	-	-

relative Inform. Technology (IT)	$olvi3^*$	0.25 <th>0.25</th> <th>0.25</th> <th>(1.0)</th>	0.25	0.25	(1.0)
$cmyn3^*$	0.25	0.25 <td>0.25<td>0.25<td>(0.0)</td></td></td>	0.25 <td>0.25<td>(0.0)</td></td>	0.25 <td>(0.0)</td>	(0.0)
$olvi4^*$	1.0 <td>1.0<td>1.0<td>1.0</td><td>(1.0)</td></td></td>	1.0 <td>1.0<td>1.0</td><td>(1.0)</td></td>	1.0 <td>1.0</td> <td>(1.0)</td>	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	lab^*lab	32.11	0.05	0.0	-
lab^*tch	32.11	0.0	0.0	-	-
lab^*tch	30.0	0.01	-	-	-
relative CIELAB lab*	lab^*lab	0.25	0.0	0.0	-
lab^*tch	0.25	0.0	0.0	-	-
lab^*nch	0.25	0.0	-	-	-
relative Natural Colour (NC)	lab^*trj	0.25	0.0	0.0	-
lab^*tch	0.25	0.0	0.0	-	-
lab^*nce	0.25	0.0	-	-	-

relative Inform. Technology (IT)	$olvi3^*$	0.0 <th>0.0</th> <th>0.0</th> <th>(1.0)</th>	0.0	0.0	(1.0)
$cmyn3^*$	0.0	0.0 <td>0.0<td>0.0<td>(0.0)</td></td></td>	0.0 <td>0.0<td>(0.0)</td></td>	0.0 <td>(0.0)</td>	(0.0)
$olvi4^*$	1.0 <td>1.0<td>1.0<td>1.0</td><td>(1.0)</td></td></td>	1.0 <td>1.0<td>1.0</td><td>(1.0)</td></td>	1.0 <td>1.0</td> <td>(1.0)</td>	1.0	(1.0)
$cmyn4^*$	0.0	0.0 <td>0.0<td>0.0</td><td>(0.0)</td></td>	0.0 <td>0.0</td> <td>(0.0)</td>	0.0	(0.0)
standard and adapted CIELAB	lab^*lab	11.01	0.07	0.0	-
lab^*tch	11.01	0.0	0.0	-	-
lab^*tch	10.0	0.01	-	-	-
relative CIELAB lab*	lab^*lab	0.0	0.0	0.0	-
lab^*tch	0.0	0.0	0.0	-	-
lab^*nch	0.0	0.0	-	-	-
relative Natural Colour (NC)	lab^*trj	0.0	0.0	0.0	-
lab^*tch	0.0	0.0	0.0	-	-
lab^*nce	0.0	0.0			