

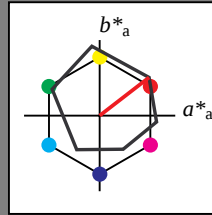
Eingabe: Farbmatisches Reflexions-System ORS18

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
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

0,25

0,00

relative Buntheit c^*

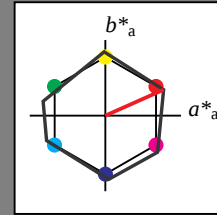
Ausgabe: Farbmatisches Reflexions-System NRS11

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
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

0,25

0,00

relative Buntheit c^*

UG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.067 (rechts)

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

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

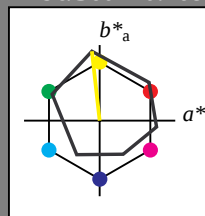
Eingabe: Farbmimetrisches Reflexions-System ORS18

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

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

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

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

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

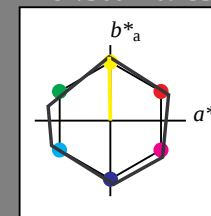
Ausgabe: Farbmimetrisches Reflexions-System NRS11

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



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

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

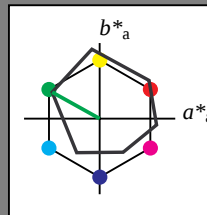
Eingabe: Farbmimetrisches Reflexions-System ORS18

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

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*LABa	95.41	0.0	0.0	
LAB*TCMa	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	
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*LABa	74.31	0.0	0.0	
LAB*TCMa	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	
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)
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*TCMa	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	
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	0.07	0.0	
LAB*LABa	32.11	0.0	0.0	
LAB*TCMa	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	
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	0.07	0.0	
LAB*LABa	11.01	0.0	0.0	
LAB*TCMa	0.0	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	
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	1.0	0.0	0.0	

$n^* = 1,0$

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

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

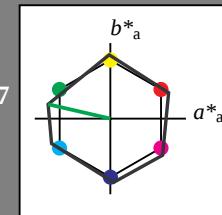
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*

Ausgabe: 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



%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*	0.75	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(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	84.85	-20.53	4.74	
LAB*LABa	84.85	-20.53	4.74	
LAB*TCMa	87.5	21.1	167.01	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.25	
lab*tch	0.75	0.0	0.25	
lab*nch	0.25	1.0	0.0	
lab*trj	0.75	0.0	0.25	
lab*tce	0.75	0.0	0.25	
lab*nce	0.25	1.0	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	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	63.75	-20.53	4.75	
LAB*LABa	63.75	-20.53	4.75	
LAB*TCMa	62.5	21.11	167.01	
relative CIELAB lab*				
lab*lab	0.5	0.25	0.25	
lab*tch	0.5	0.25	0.25	
lab*nch	0.5	0.25	0.25	
lab*trj	0.5	0.25	0.25	
lab*tce	0.5	0.25	0.25	
lab*nce	0.5	0.25	0.25	

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	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	53.2	-41.09	9.5	
LAB*LABa	53.2	-41.09	9.5	
LAB*TCMa	50.0	42.22	167.01	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.75	
lab*tch	0.25	0.0	0.75	
lab*nch	0.75	0.0	0.25	
lab*trj	0.25	0.0	0.75	
lab*tce	0.25	0.0	0.75	
lab*nce	0.75	0.0	0.25	

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(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	32.11	-41.09	9.5	
LAB*LABa	32.11	-41.09	9.5	
LAB*TCMa	25.01	42.22	167.01	
relative CIELAB lab*				
lab*lab	0.0	0.25	0.75	
lab*tch	0.0	0.25	0.75	
lab*nch	1.0	0.5	0.5	
lab*trj	0.0	0.25	0.75	
lab*tce	0.0	0.25	0.75	
lab*nce	1.0	0.5	0.5	

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	0.0	
LAB*LABa	11.01	0.0	0.0	
LAB*TCMa	0.0	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	
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	1.0	0.0	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	74.3	-41.1	9.49	
LAB*LABa	74.3	-41.12	9.49	
LAB*TCMa	75.0	42.21	167.01	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.5	
lab*tch	0.5	0.0	0.5	
lab*nch	0.5	0.0	0.5	
lab*trj	0.5	0.0	0.5	
lab*tce	0.5	0.0	0.5	
lab*nce	0.5	0.0	0.5	

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	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	53.2	-41.09	9.5	
LAB*LABa	53.2	-41.09	9.5	
LAB*TCMa	50.0	42.22	167.01	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.75	
lab*tch	0.25	0.0	0.75	
lab*nch	0.75	0.0	0.25	
lab*trj	0.25	0.0	0.75	
lab*tce	0.25	0.0	0.75	
lab*nce	0.75	0.0	0.25	

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.25	1.0	(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	42.65	-61.69	14.24	
LAB*LABa	42.65	-61.69	14.24	
LAB*TCMa	37.51	63.32	167.01	
relative CIELAB lab*				
lab*lab	0.0	0.25	0.75	
lab*tch	0.0	0.25	0.75	
lab*nch	1.0	0.25	0.25	
lab*trj	0.0	0.25	0.75	
lab*tce	0.0	0.25	0.75	
lab*nce	1.0	0.25	0.25	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.75	1.0	(0.0)
olvi4*	0.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	11.01	0.07	0.0	
LAB*LABa	11.01	0.0	0.0	
LAB*TCMa	0.0	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	0.75	0.25	
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	1.0	0.75	0.25	

$n^* = 0,50$

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

Eingabe: Farbmimetrisches Reflexions-System ORS18

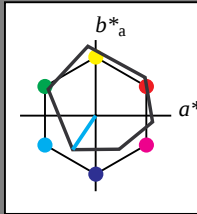
für Buntton $h^* = lab^*h = 236/360 = 0.656$

lab^*tch und lab^*nch

D65: Buntton C
LCH*Ma: 59 54 236
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

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*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*lrj 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*LABa 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*lrj 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*LABa 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*lrj 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 0.0
LAB*LABa 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*lrj 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 0.07 0.0
LAB*LABa 11.01 0.0 0.0
LAB*TCha 0.01 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*lrj 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 0.01 0.0 0.0
LAB*LABa 0.01 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

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

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^*

$n^* = 1,0$

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^*

$n^* = 1,0$

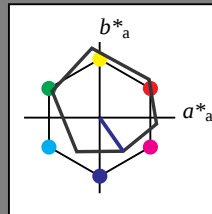
0,25

0,50

0,75

1,00

relative Buntheit c^*



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^*

$n^* = 1,0$

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

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

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^*

$n^* = 1,0$

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^*

$n^* = 1,0$

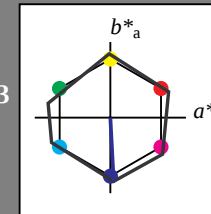
0,25

0,50

0,75

1,00

relative Buntheit c^*



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

$n^* = 0,00$

0,25

$n^* = 0,25$

0,00

$n^* = 0,50$

0,25

$n^* = 1,0$

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

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

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

BAM-Prüfvorlage UG42; Farbmimetrik-Systeme ORS18 & NRS11input: *cmY0* setcmykcolor*

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

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

$u^*_{rel} = 93$

%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^*

$n^* = 1,0$

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

0,50

0,75

1,00

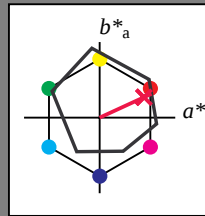
Eingabe: Farbmimetrisches Reflexions-System ORS18

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



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

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

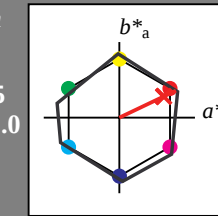
Ausgabe: Farbmimetrisches Reflexions-System NRS11

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



%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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

UG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

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

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

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

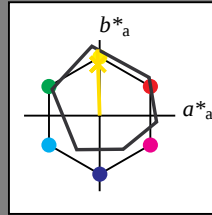
Eingabe: Farbmimetrisches Reflexions-System ORS18

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



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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

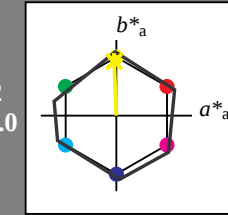
Ausgabe: Farbmimetrisches Reflexions-System NRS11

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



%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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

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

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

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

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

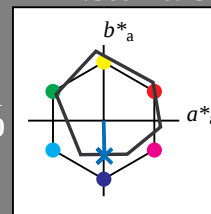
Eingabe: Farbmimetrisches Reflexions-System ORS18

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

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)	relative Inform. Technology (IT)	relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)	olvi3* 0.75 0.75 1.0 (1.0)	olvi3* 0.5 0.512 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)	cmyn3* 0.25 0.244 0.0 (0.0)	cmyn3* 0.5 0.488 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.75 0.756 1.0 (1.0)	olvi4* 0.5 0.512 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.25 0.244 0.0 (0.0)	cmyn4* 0.5 0.488 0.0 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 95.41 0.0 -0.01	LAB*LAB 74.3 1.23 -41.51	LAB*LAB 74.3 1.23 -41.51
LAB*Lab 95.41 0.0 0.0	LAB*Lab 74.3 1.2 41.52	LAB*Lab 74.3 1.2 41.52
LAB*TCh 95.99 0.01 -	LAB*TCh 75.0 0.01 -	LAB*TCh 75.0 0.01 -

relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)	olvi3* 0.5 0.512 1.0 (1.0)	olvi3* 0.25 0.268 1.0 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)	cmyn3* 0.5 0.488 0.0 (0.0)	cmyn3* 1.0 0.976 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.75 0.756 1.0 (1.0)	olvi4* 0.5 0.512 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.25 0.244 0.0 (0.0)	cmyn4* 1.0 0.976 0.0 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0	LAB*LAB 63.75 0.64 -20.75	LAB*LAB 63.75 0.64 -20.75
LAB*Lab 74.31 0.0 0.0	LAB*Lab 63.75 0.6 20.76	LAB*Lab 63.75 0.6 20.76
LAB*TCh 75.0 0.01 -	LAB*TCh 62.5 20.78 271.66	LAB*TCh 62.5 20.78 271.66

relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)	olvi3* 0.25 0.268 1.0 (1.0)	olvi3* 0.0 0.024 1.0 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)	cmyn3* 0.75 0.756 1.0 (1.0)	cmyn3* 1.0 0.976 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.5 0.512 1.0 (1.0)	olvi4* 0.25 0.268 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.25 0.244 0.0 (0.0)	cmyn4* 1.0 0.976 0.0 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0	LAB*LAB 53.2 1.25 -41.51	LAB*LAB 53.2 1.25 -41.51
LAB*Lab 53.21 0.0 0.0	LAB*Lab 53.2 1.21 -41.52	LAB*Lab 53.2 1.21 -41.52
LAB*TCh 50.0 0.01 -	LAB*TCh 50.0 41.55 271.66	LAB*TCh 50.0 41.55 271.66

relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)	olvi3* 0.0 0.012 0.5 (1.0)	olvi3* 0.0 0.012 0.5 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)	cmyn3* 0.75 0.744 0.5 (0.0)	cmyn3* 1.0 0.988 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.5 0.512 1.0 (1.0)	olvi4* 0.25 0.268 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.25 0.244 0.0 (0.0)	cmyn4* 0.75 0.732 0.5 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.01	LAB*LAB 32.1 1.27 -41.52	LAB*LAB 32.1 1.27 -41.52
LAB*Lab 32.11 0.0 0.0	LAB*Lab 32.1 1.21 -41.52	LAB*Lab 32.1 1.21 -41.52
LAB*TCh 25.0 0.01 -	LAB*TCh 25.01 41.55 271.67	LAB*TCh 25.01 41.55 271.67

relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)	olvi3* 0.0 0.006 0.5 (1.0)	olvi3* 0.0 0.006 0.5 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)	cmyn3* 1.0 0.994 0.75 (0.0)	cmyn3* 1.0 0.994 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.75 0.756 1.0 (1.0)	olvi4* 0.5 0.512 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.25 0.244 0.0 (0.0)	cmyn4* 0.75 0.732 0.5 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01	LAB*LAB 11.01 0.07 0.01	LAB*LAB 11.01 0.07 0.01
LAB*Lab 11.01 0.0 0.0	LAB*Lab 11.01 0.0 0.0	LAB*Lab 11.01 0.0 0.0
LAB*TCh 0.01 0.01 -	LAB*TCh 0.01 0.01 -	LAB*TCh 0.01 0.01 -

$n^* = 1.0$

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

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

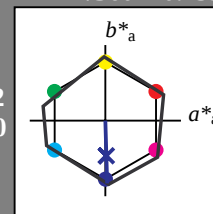
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*

Ausgabe: 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



%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)	relative Inform. Technology (IT)	relative Inform. Technology (IT)
olvi3* 0.75 0.75 1.0 (1.0)	olvi3* 0.5 0.512 1.0 (1.0)	olvi3* 0.25 0.268 1.0 (1.0)
cmyn3* 0.25 0.244 0.0 (0.0)	cmyn3* 0.5 0.488 0.0 (0.0)	cmyn3* 1.0 0.976 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.75 0.756 1.0 (1.0)	olvi4* 0.5 0.512 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.25 0.244 0.0 (0.0)	cmyn4* 1.0 0.976 0.0 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 95.41 0.0 -0.01	LAB*LAB 74.3 1.23 -41.51	LAB*LAB 74.3 1.23 -41.51
LAB*Lab 95.41 0.0 0.0	LAB*Lab 74.3 1.2 41.52	LAB*Lab 74.3 1.2 41.52
LAB*TCh 95.99 0.01 -	LAB*TCh 75.0 0.01 -	LAB*TCh 75.0 0.01 -

relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)	olvi3* 0.25 0.268 1.0 (1.0)	olvi3* 0.0 0.024 1.0 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)	cmyn3* 0.75 0.756 1.0 (1.0)	cmyn3* 1.0 0.976 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.5 0.512 1.0 (1.0)	olvi4* 0.25 0.268 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.25 0.244 0.0 (0.0)	cmyn4* 1.0 0.976 0.0 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 63.75 0.64 -20.75	LAB*LAB 53.2 1.25 -41.51	LAB*LAB 53.2 1.25 -41.51
LAB*Lab 63.75 0.6 20.76	LAB*Lab 53.2 1.21 -41.52	LAB*Lab 53.2 1.21 -41.52
LAB*TCh 62.5 20.78 271.66	LAB*TCh 50.0 41.55 271.66	LAB*TCh 50.0 41.55 271.66

relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)	olvi3* 0.0 0.012 0.5 (1.0)	olvi3* 0.0 0.012 0.5 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)	cmyn3* 0.75 0.744 0.5 (0.0)	cmyn3* 1.0 0.988 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.5 0.512 1.0 (1.0)	olvi4* 0.25 0.268 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.25 0.244 0.0 (0.0)	cmyn4* 0.75 0.732 0.5 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0	LAB*LAB 53.2 1.25 -41.51	LAB*LAB 53.2 1.25 -41.51
LAB*Lab 53.21 0.0 0.0	LAB*Lab 53.2 1.21 -41.52	LAB*Lab 53.2 1.21 -41.52
LAB*TCh 50.0 0.01 -	LAB*TCh 50.0 41.55 271.66	LAB*TCh 50.0 41.55 271.66

relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)	olvi3* 0.0 0.006 0.5 (1.0)	olvi3* 0.0 0.006 0.5 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)	cmyn3* 1.0 0.994 0.75 (0.0)	cmyn3* 1.0 0.994 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.75 0.756 1.0 (1.0)	olvi4* 0.5 0.512 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.25 0.244 0.0 (0.0)	cmyn4* 0.75 0.732 0.5 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01	LAB*LAB 11.01 0.07 0.01	LAB*LAB 11.01 0.07 0.01
LAB*Lab 11.01 0.0 0.0	LAB*Lab 11.01 0.0 0.0	LAB*Lab 11.01 0.0 0.0
LAB*TCh 0.01 0.01 -	LAB*TCh 0.01 0.01 -	LAB*TCh 0.01 0.01 -

$n^* = 0.50$

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

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

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

UG420-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

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

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