

Eingabe: Farbmatisches Reflexions-System ORS18

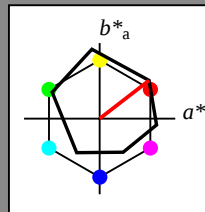
für Buntton $h^* = lab^*h = 38/360 = 0.105$

lab^*tch und lab^*nch

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

Dreiecks-Helligkeit

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

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

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

Ausgabe: Farbmatisches Reflexions-System MRS18a

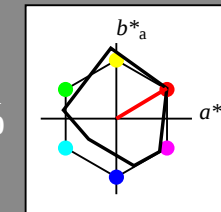
für Buntton $h^* = lab^*h = 31/360 = 0.086$

lab^*tch und lab^*nch

D65: Buntton R
LCH*Ma: 50 78 31
rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

1,00



%Umfang

$u^*_{rel} = 92$

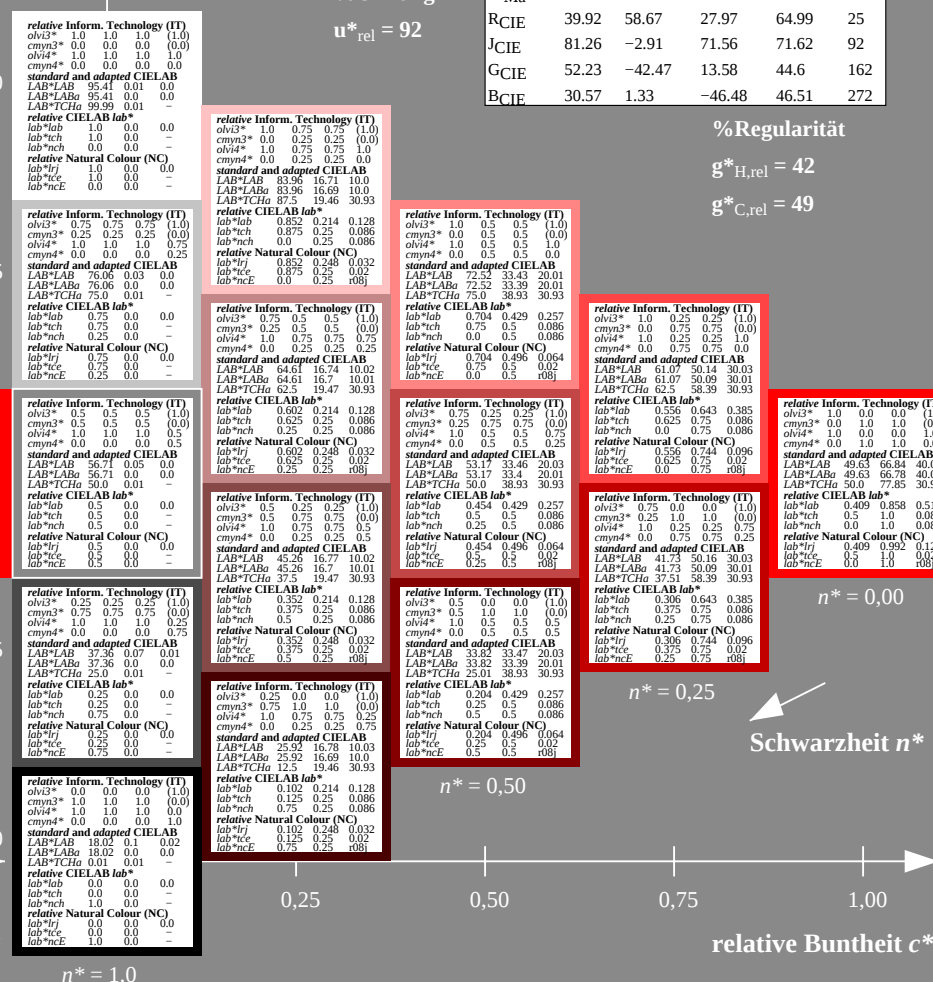
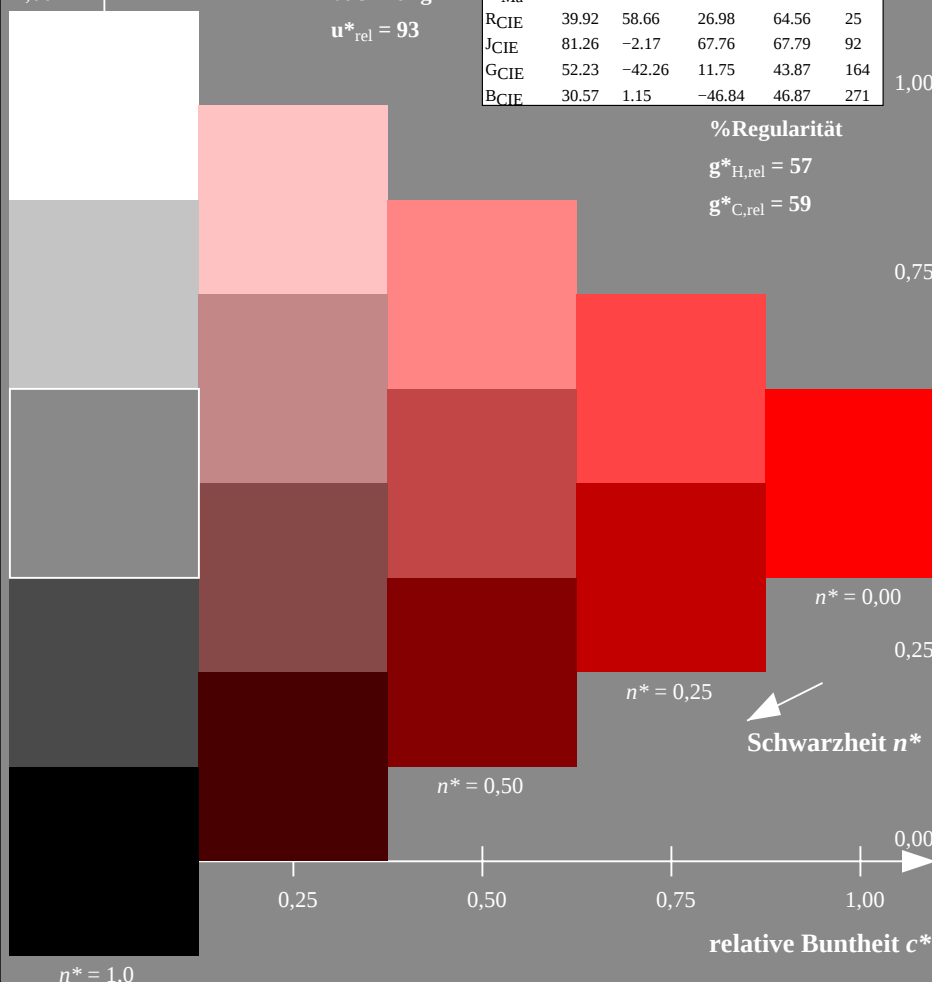
MRS18a; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$



UG410-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

5 stufige Reihen für konstanten CIELAB Buntton 31/360 = 0.086 (rechts)

BAM-Prüfvorlage UG41; Farbmatrik-Systeme ORS18 & MRS18a

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne
input: `cmY0* setcmYcolor`
output: `olV* setrgbcolor / w* setgray`

relative Bunthei

on 2.1, io=0,1, CIEXYZ

BAM-Registrierung: 20060101-UG41/10L/L41G01FP.PS/PDF BAM-Material: Code=rhata4
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen, Yr=2.5, XYZ

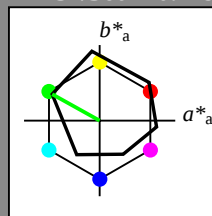
10 Bunttöneoutput: *olv* setrgbcolor / w* setgray*

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



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

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

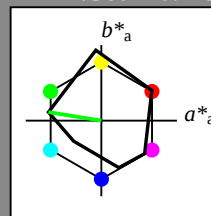
$g^*_{C,rel} = 59$

Ausgabe: Farbmatisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 171/360 = 0.475$
 lab^*tch und lab^*nch

D65: Buntton G
LCH*Ma: 52 71 171
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



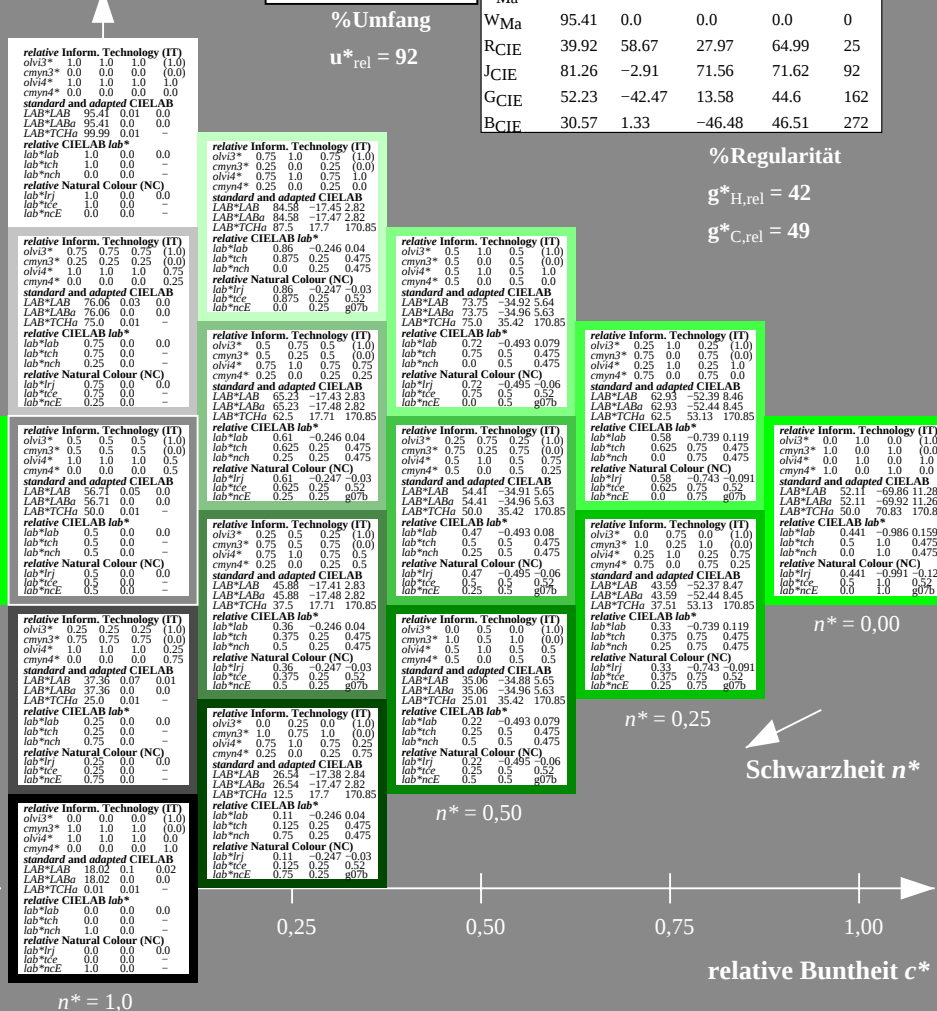
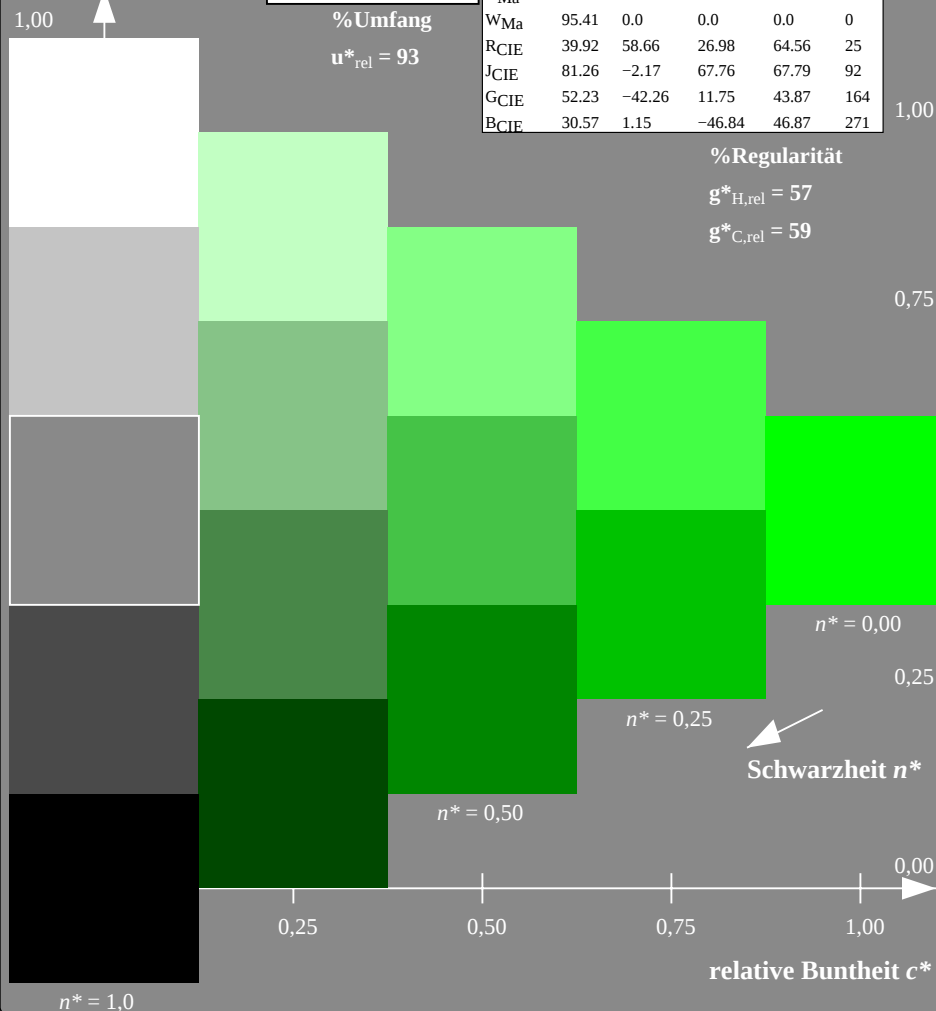
MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$



UG410-7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

5 stufige Reihen für konstanten CIELAB Buntton 171/360 = 0.475 (rechts)

BAM-Prüfvorlage UG41; Farbmatrik-Systeme ORS18 & MRS18a

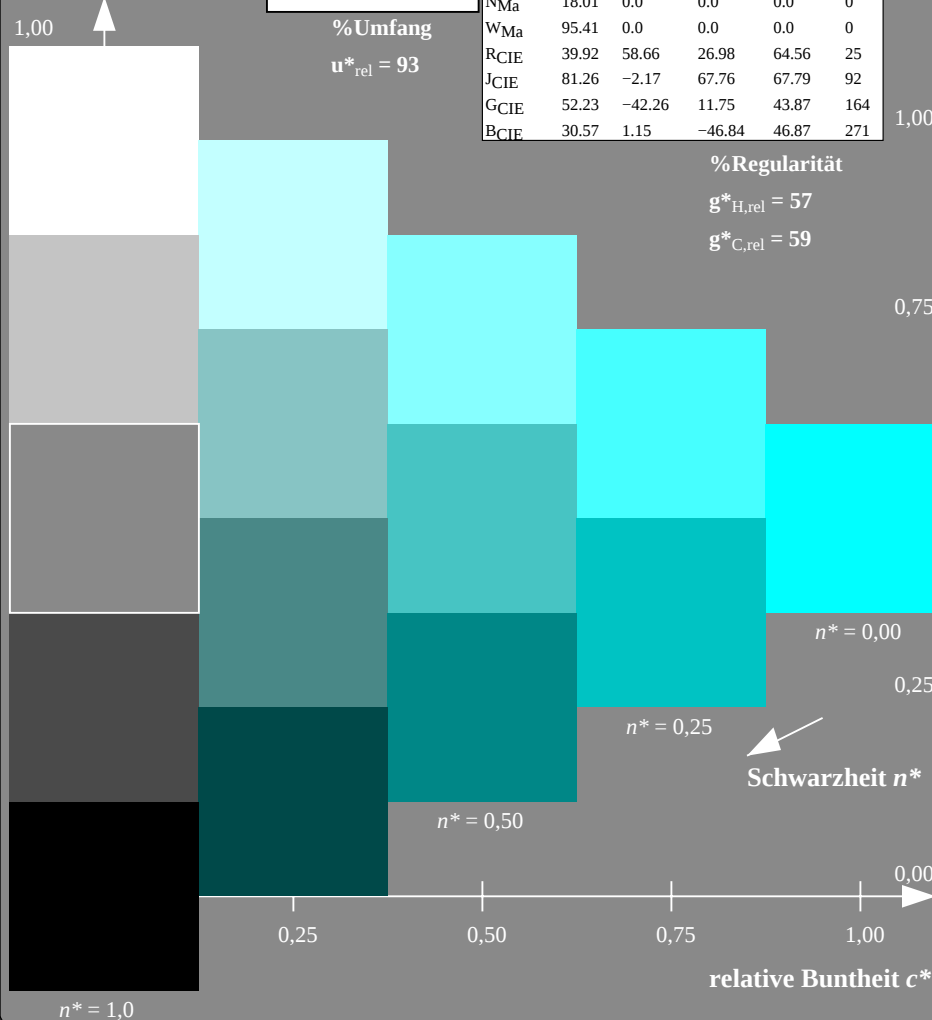
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne
input: `cmY0* setcmykcolor`
output: `olv* setrgbcolor / w* setgray`

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



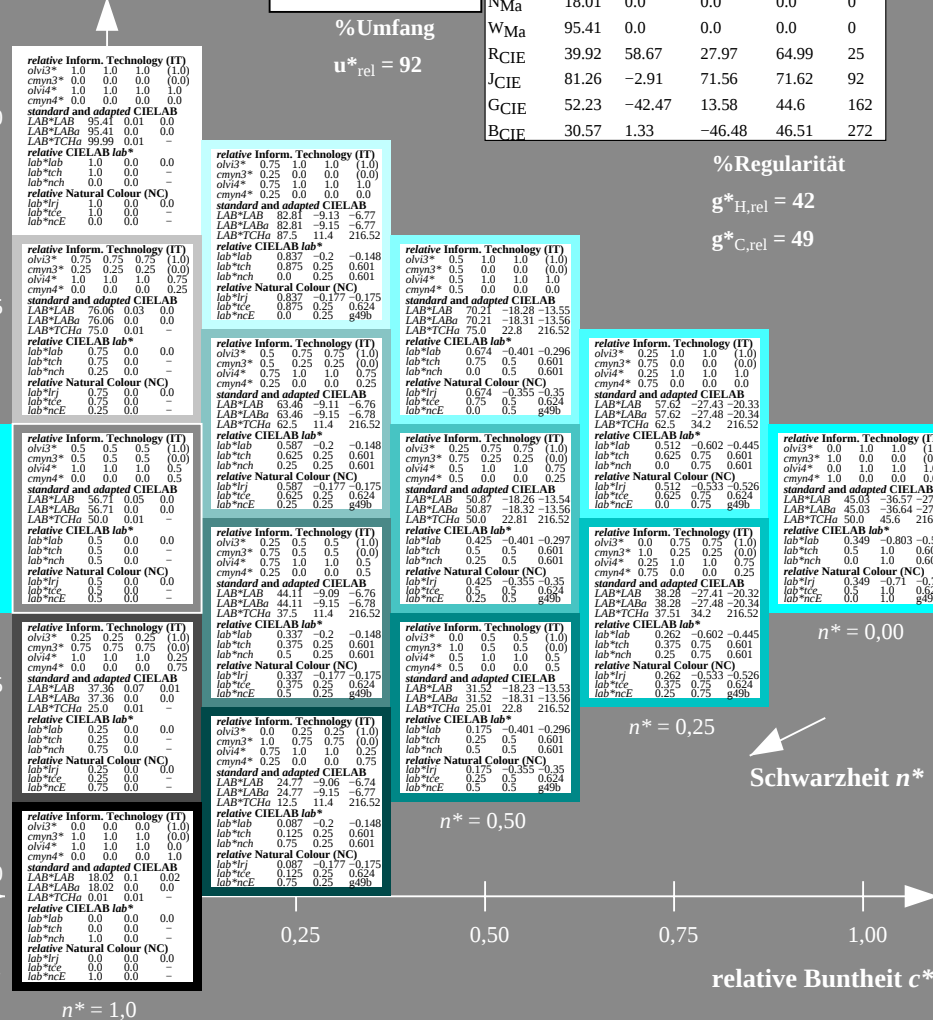
UG410-7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

Ausgabe: Farbmatisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 217/360 = 0.601$
 lab^*tch und lab^*nch

D65: Buntton G50B
LCH*Ma: 45 46 217
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



5 stufige Reihen für konstanten CIELAB Buntton 217/360 = 0.601 (rechts)

BAM-Prüfvorlage UG41; Farbmatrik-Systeme ORS18 & MRS18a
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne
input: `cmY0* setcmYcolor`
output: `olV* setrgbcolor / w* setgray`

Siehe ähnliche Dateien: <http://www.ps.bam.de/UG41/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0,1, CIEXYZ

Eingabe: Farbmatisches 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

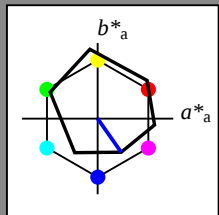
0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$



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

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

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

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: Farbmatisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 290/360 = 0.807$
 lab^*tch und lab^*nch

D65: Buntton B
LCH*Ma: 37 66 290
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

1,00

%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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

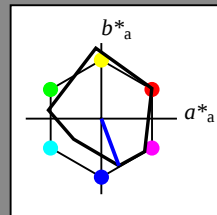
0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$



MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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

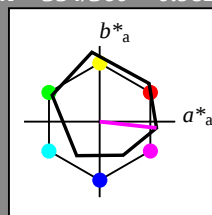
Eingabe: Farbmatisches Reflexions-System ORS18

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	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	95.41	0.01	0.0		
LAB*LABa	95.41	0.01	0.0		
LAB*TCMa	95.99	0.01			

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		
relative Natural Colour (NC)					
lab*tch	1.0	0.0	0.0		
lab*nch	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	0.25	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	76.06	0.03	0.0		
LAB*LABa	76.06	0.03	0.0		
LAB*TCMa	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	0.0		
lab*trj	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*tch	0.75	0.0	0.0		
lab*nch	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	0.5	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	56.71	0.05	0.0		
LAB*LABa	56.71	0.05	0.0		
LAB*TCMa	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	0.0		
lab*trj	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*tch	0.5	0.0	0.0		
lab*nch	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	0.75	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	37.36	0.07	0.01		
LAB*LABa	37.36	0.07	0.01		
LAB*TCMa	25.0	0.01			

relative CIELAB lab*	lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	0.0		
lab*nch	0.75	0.0	0.0		
lab*trj	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*tch	0.25	0.0	0.0		
lab*nch	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	1.0	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	18.02	0.1	0.02		
LAB*LABa	18.02	0.1	0.02		
LAB*TCMa	0.01	0.01			

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		
relative Natural Colour (NC)					
lab*tch	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		

$n^* = 1.0$

5 stufige Reihen für konstanten CIELAB Buntton 323/360 = 0.896 (rechts)

BAM-Prüfvorlage UG41; Farbmatrik-Systeme ORS18 & MRS18a

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne

input: `cmv0* setcmvcolor`

output: `olv* setrgbcolor / w* setgray`

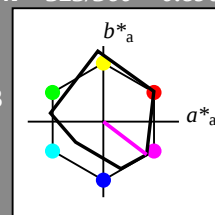
Ausgabe: Farbmatisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 323/360 = 0.896$
 lab^*tch und lab^*nch

D65: Buntton B50R
LCH*Ma: 35 72 323
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit

1,00



%Umfang

$u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

relative Inform. Technology (IT)	$olvi3^*$	1.0	0.75	1.0	(1.0)
$cmyn3^*$	0.0	0.25	0.0	0.0	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.25	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	80.29	14.34	-10.89		
LAB*LABa	80.29	14.34	-10.89		
LAB*TCMa	87.5	7.99	32.71		

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		
relative Natural Colour (NC)					
lab*tch	1.0	0.0	0.0		
lab*nch	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	0.25	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	65.17	28.68	-21.78		
LAB*LABa	65.17	28.68	-21.78		
LAB*TCMa	75.0	35.99	32.71		

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		
relative Natural Colour (NC)					
lab*tch	0.75	0.0	0.0		
lab*nch	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	0.5	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	45.83	28.7	-21.78		
LAB*LABa	45.83	28.7	-21.78		
LAB*TCMa	50.0	35.99	32.71		

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		
relative Natural Colour (NC)					
lab*tch	0.5	0.0	0.0		
lab*nch	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	0.75	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	30.72	43.03	-32.67		
LAB*LABa	30.72	43.03	-32.67		
LAB*TCMa	37.51	53.98	32.71		

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		
relative Natural Colour (NC)					
lab*tch	0.25	0.0	0.0		
lab*nch	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	1.0	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	26.46	28.72	-21.77		
LAB*LABa	26.46	28.72	-21.77		
LAB*TCMa	25.01	35.99	32.71		

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		
relative Natural Colour (NC)					
lab*tch	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		

$n^* = 0.00$

5 stufige Reihen für konstanten CIELAB Buntton 323/360 = 0.896 (rechts)

BAM-Prüfvorlage UG41; Farbmatrik-Systeme ORS18 & MRS18a

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne

input: `cmv0* setcmvcolor`

output: `olv* setrgbcolor / w* setgray`

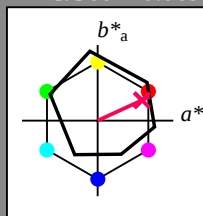
Eingabe: Farbmatisches Reflexions-System ORS18

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



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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

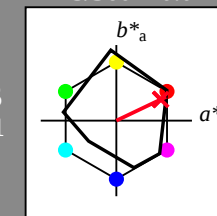
Ausgabe: Farbmatisches Reflexions-System MRS18a

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

lab^*tch und lab^*nch

D65: Buntton R
LCH*Ma: 48 73 25
rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

UG410-7, 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 UG41; Farbmatrik-Systeme ORS18 & MRS18a; Input: `cmY0* setcmykcolor`

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

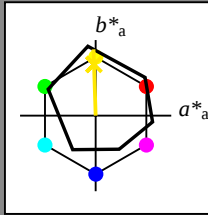
Eingabe: Farbmatisches Reflexions-System ORS18

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

lab^*tch und lab^*nch

D65: Buntton J
LCH*Ma: 86 88 92
rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



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^*

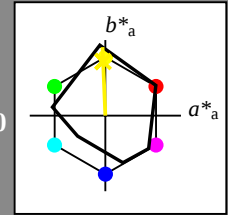
Ausgabe: Farbmatisches Reflexions-System MRS18a

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

lab^*tch und lab^*nch

D65: Buntton J
LCH*Ma: 89 91 92
rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



MRS18a; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

UG410-7, 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 UG41; Farbmatrik-Systeme ORS18 & MRS18a

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne

input: $cmy0^* setcmykcolor$

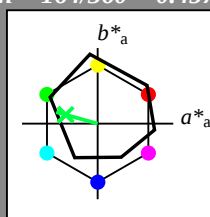
output: $olv^* setrgbcolor / w^* setgray$

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



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^*

UG410-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

BAM-Prüfvorlage UG41; Farbmatrik-Systeme ORS18 & MRS18

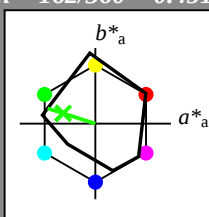
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne

Ausgabe: Farbmatisches Reflexions-System MRS18a

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

D65: Buntton G
LCH*Ma: 56 66 162
rgb*Ma: 0.11 1.0 0.0

Dreiecks-Helligkeit



MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

input: $cmY0^* setcmykcolor$

output: $olv^* setrgbcolor / w^* setgray$

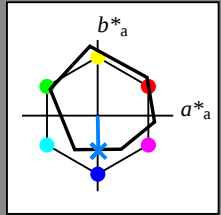
Eingabe: Farbmatisches Reflexions-System ORS18

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



ORS18; adaptierte CIELAB-Daten

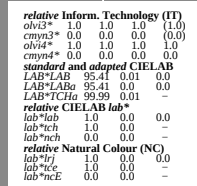
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92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



Dreiecks-Helligkeit

1,00

