

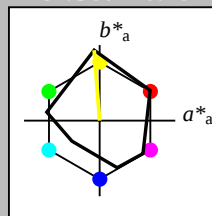
Eingabe: Farbmatisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 94/360 = 0.262$

lab^*tch und lab^*nch

D65: Buntton J
LCH*Ma: 91 93 94
rgb*Ma: 1.0 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
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	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

$n^* = 0,25$

$n^* = 0,50$

0,25

relative Buntheit c^*

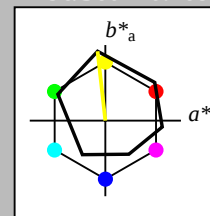
Ausgabe: Farbmatisches Reflexions-System ORS18

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



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

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,25

relative Buntheit c^*

UG460-7, 5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.262 (links)

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

BAM-Prüfvorlage UG46; Farbmatrik-Systeme MRS18a & ORS18

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne
input: $cmy0^* setcmykcolor$
output: $olv^* setrgbcolor / w^* setgray$

Eingabe: 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

1,00

↑

%Umfang

$u^*_{rel} = 92$

↑

%Regularität

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

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

↑

0,75

↑

%Regularität

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

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

↑

0,50

↑

%Regularität

$g^*_{H,rel} = 62$

$g^*_{C,rel} = 64$

↑

0,25

↑

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 66$

↑

0,00

↑

%Regularität

$g^*_{H,rel} = 66$

$g^*_{C,rel} = 66$

↑

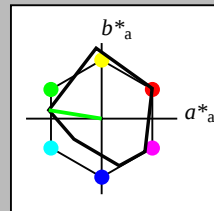
0,00

↑

%Regularität

$g^*_{H,rel} = 66$

$g^*_{C,rel} = 66$



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
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	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

↑

%Regularität

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

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

↑

0,50

↑

%Regularität

$g^*_{H,rel} = 62$

$g^*_{C,rel} = 64$

↑

0,25

↑

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 66$

↑

0,00

↑

%Regularität

$g^*_{H,rel} = 66$

$g^*_{C,rel} = 66$

↑

0,00

↑

%Regularität

$g^*_{H,rel} = 66$

$g^*_{C,rel} = 66$

Ausgabe: Farbmatisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 151/360 = 0.419$

lab^*tch und lab^*nch

D65: Buntton L
LCH*Ma: 51 72 151
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

1,00

↑

%Umfang

$u^*_{rel} = 93$

↑

%Regularität

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

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

↑

0,75

↑

%Regularität

$g^*_{H,rel} = 62$

$g^*_{C,rel} = 64$

↑

0,50

↑

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 66$

↑

0,25

↑

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 66$

↑

0,00

↑

%Regularität

$g^*_{H,rel} = 66$

$g^*_{C,rel} = 66$

↑

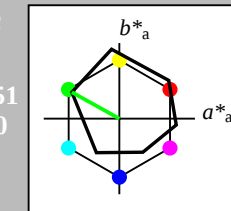
0,00

↑

%Regularität

$g^*_{H,rel} = 66$

$g^*_{C,rel} = 66$



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

%Regularität

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

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

↑

0,75

↑

%Regularität

$g^*_{H,rel} = 62$

$g^*_{C,rel} = 64$

↑

0,50

↑

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 66$

↑

0,25

↑

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 66$

↑

0,00

↑

%Regularität

$g^*_{H,rel} = 66$

$g^*_{C,rel} = 66$

↑

0,00

↑

%Regularität

$g^*_{H,rel} = 66$

$g^*_{C,rel} = 66$

%Regularität

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

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

↑

0,75

↑

%Regularität

$g^*_{H,rel} = 62$

$g^*_{C,rel} = 64$

↑

0,50

↑

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 66$

↑

0,25

↑

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 66$

↑

0,00

↑

%Regularität

$g^*_{H,rel} = 66$

$g^*_{C,rel} = 66$

↑

0,00

↑

%Regularität

$g^*_{H,rel} = 66$

$g^*_{C,rel} = 66$

%Regularität

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

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

↑

0,75

↑

%Regularität

$g^*_{H,rel} = 62$

$g^*_{C,rel} = 64$

↑

0,50

↑

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 66$

↑

0,25

↑

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 66$

↑

0,00

↑

%Regularität

$g^*_{H,rel} = 66$

$g^*_{C,rel} = 66$

↑

0,00

↑

%Regularität

$g^*_{H,rel} = 66$

$g^*_{C,rel} = 66$

%Regularität

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

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

↑

0,75

↑

%Regularität

$g^*_{H,rel} = 62$

$g^*_{C,rel} = 64$

↑

0,50

↑

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 66$

↑

0,25

↑

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 66$

↑

0,00

↑

%Regularität

$g^*_{H,rel} = 66$

$g^*_{C,rel} = 66$

↑

0,00

↑

%Regularität

$g^*_{H,rel} = 66$

$g^*_{C,rel} = 66$

%Regularität

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

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

Eingabe: Farbmimetrisches 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

1,00

↑

%Umfang

$u^*_{rel} = 92$

↑

%Regularität

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

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

↑

0,75

↑

0,50

↑

0,25

↑

0,00

↑

0,25

↑

0,50

↑

0,75

↑

1,00

↑

0,25

↑

0,50

↑

0,75

↑

1,00

↑

0,25

↑

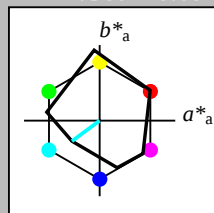
0,50

↑

0,75

↑

1,00



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
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	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

↑

0,50

↑

0,25

↑

0,00

↑

0,25

↑

0,50

↑

0,75

↑

1,00

↑

0,25

↑

0,50

↑

0,75

↑

1,00

↑

0,25

↑

0,50

↑

0,75

↑

1,00

Ausgabe: Farbmimetrisches Reflexions-System ORS18

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

lab^*tch und lab^*nch

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

Dreiecks-Helligkeit

1,00

↑

%Umfang

$u^*_{rel} = 93$

↑

%Regularität

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

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

↑

0,75

↑

0,50

↑

0,25

↑

0,00

↑

0,25

↑

0,50

↑

0,75

↑

1,00

↑

0,25

↑

0,50

↑

0,75

↑

1,00

↑

0,25

↑

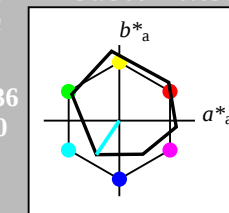
0,50

↑

0,75

↑

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
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

↑

0,75

↑

0,50

↑

0,25

↑

0,00

↑

0,25

↑

0,50

↑

0,75

↑

1,00

↑

0,25

↑

0,50

↑

0,75

↑

1,00

↑

0,25

↑

0,50

↑

0,75

↑

1,00

UG460-7, 5 stufige Reihen für konstanten CIELAB Buntton 217/360 = 0.601 (links)

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

BAM-Prüfvorlage UG46; Farbmimetrik-Systeme MRS18a & ORS18

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

input: `cmv0* setcmvcolor`

output: `olv* setrgbcolor / w* setgray`

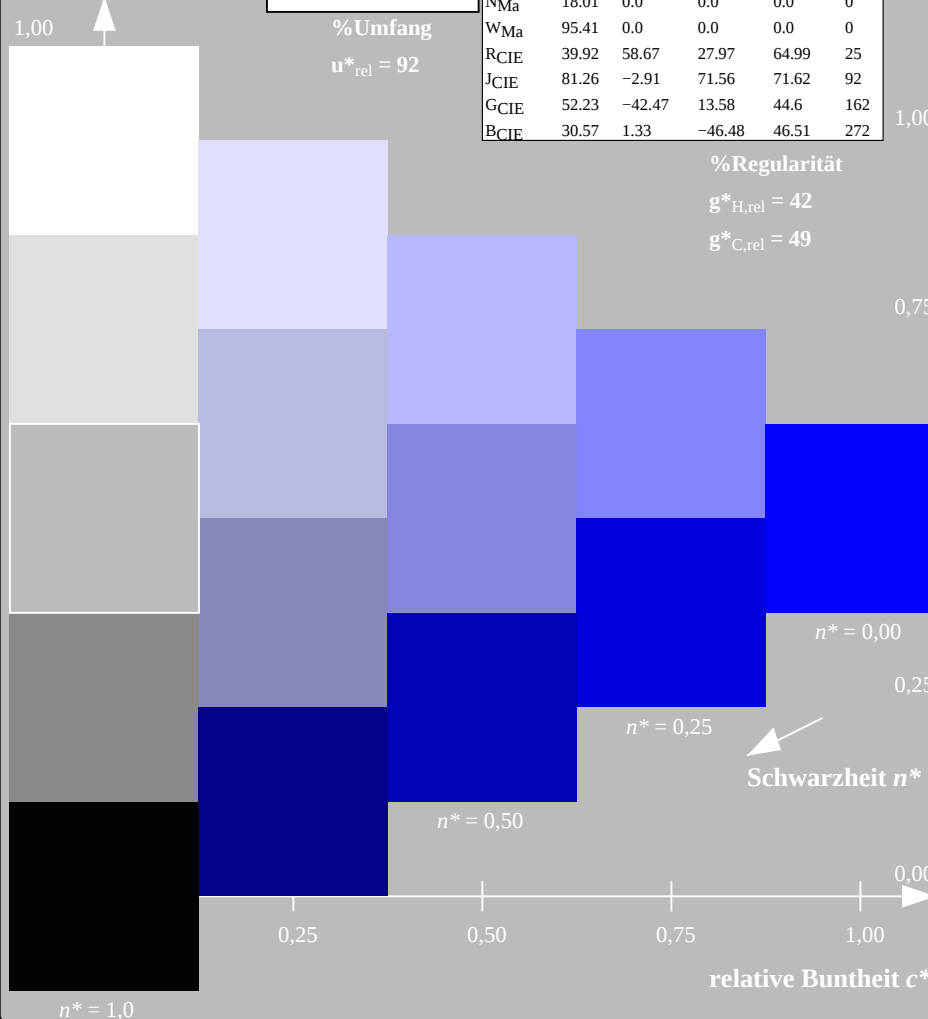
Eingabe: Farbmatisches Reflexions-System MRS18a

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



UG460-7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (links)

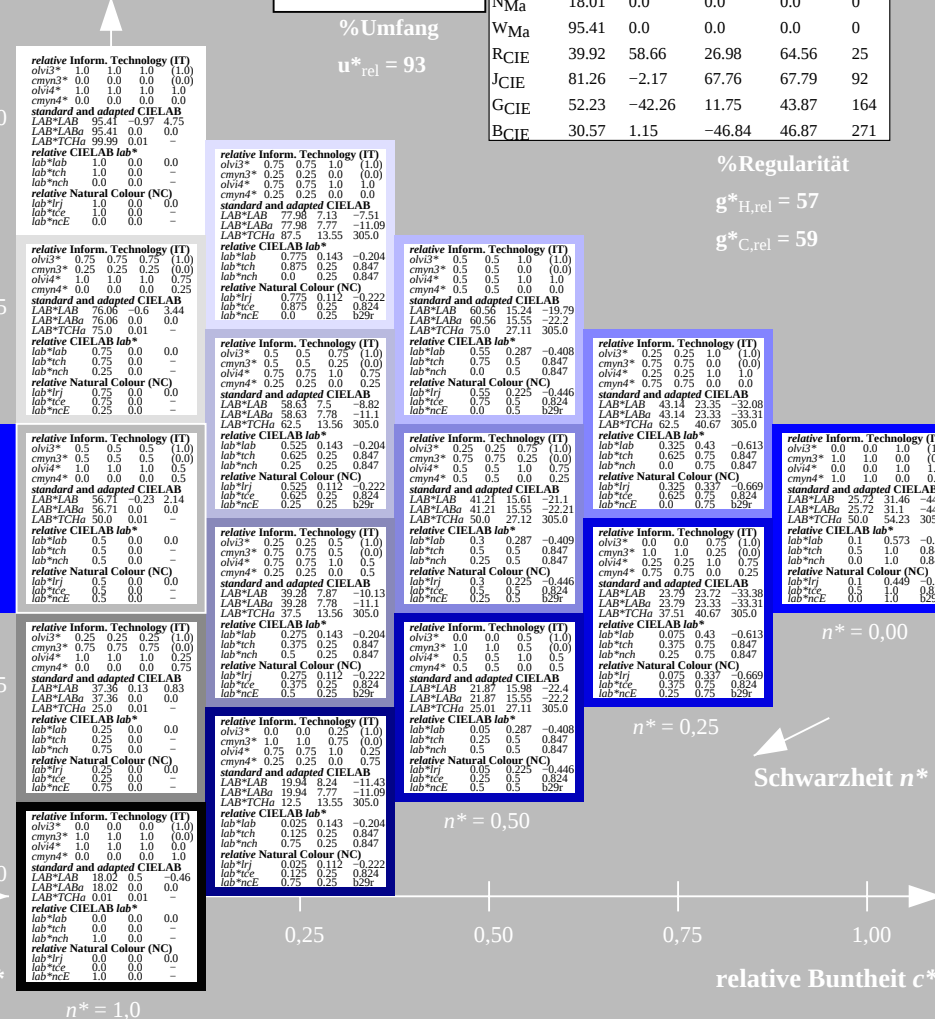
Ausgabe: Farbmatisches Reflexions-System ORS18

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



5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (rechts)

BAM-Prüfvorlage UG46; Farbmatrik-Systeme MRS18a & ORS18

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne
output: `cmv0* setcmvcolor`
output: `olv* setrgbcolor / w* setgray`

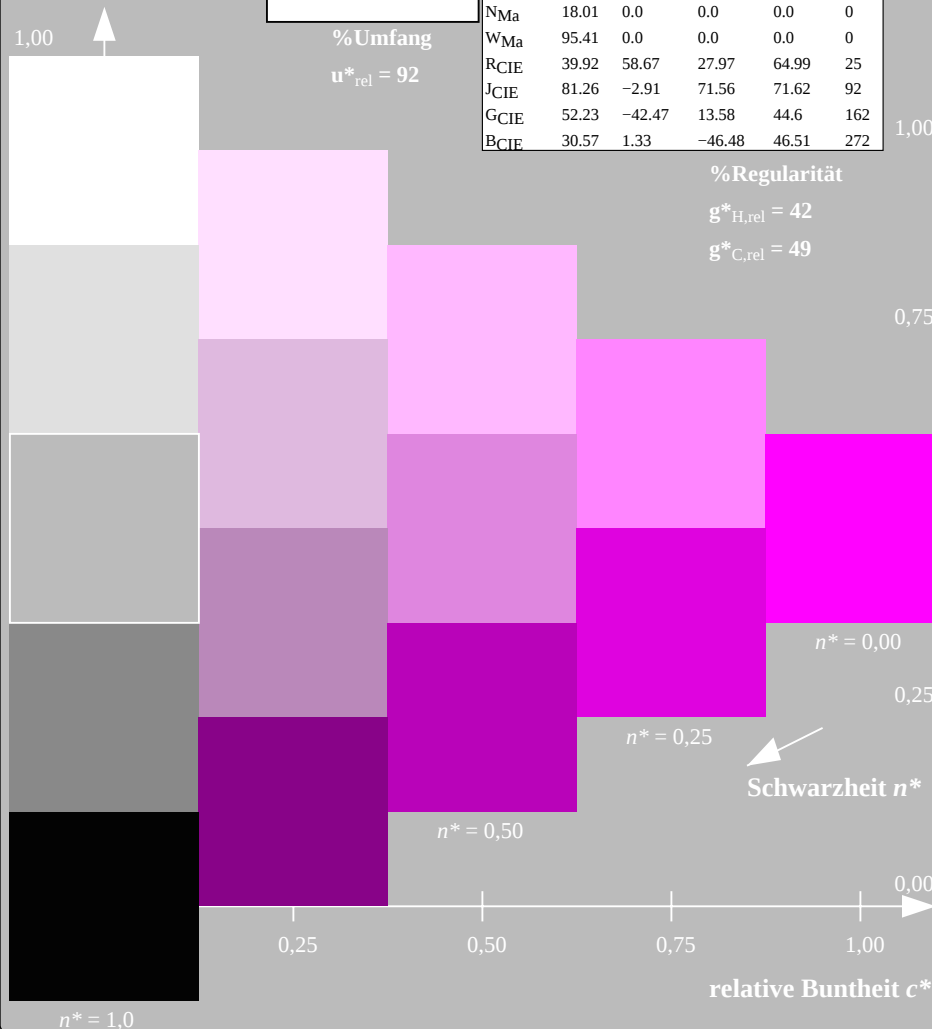
Eingabe: Farbmimetrisches Reflexions-System MRS18a

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



UG460-7, 5 stufige Reihen für konstanten CIELAB Buntton 323/360 = 0.896 (links)

BAM-Prüfvorlage UG46; Farbmimetrik-Systeme MRS18a & ORS18

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

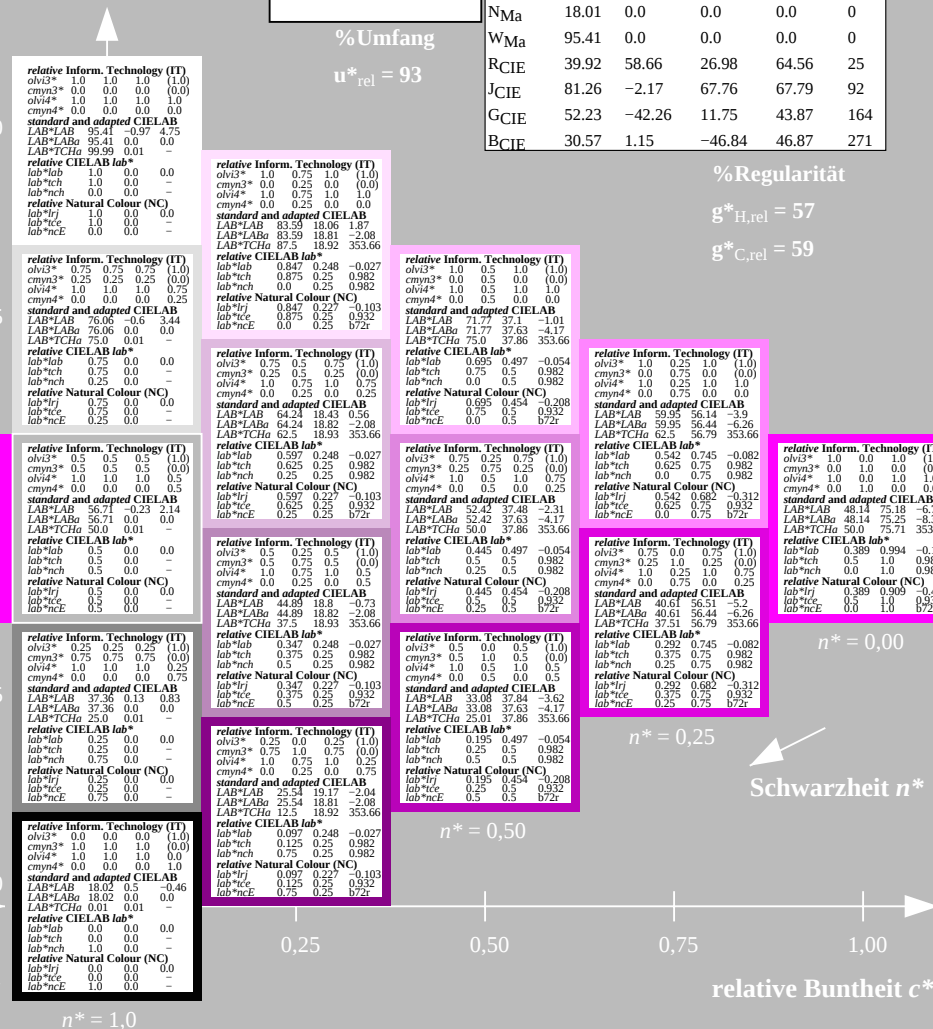
Ausgabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 354/360 = 0.982$

lab^*tch und lab^*nch

D65: Buntton M
LCH*Ma: 48 76 354
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



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

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

relative Inform. Technology (IT)					
$olvi3^*$	1.0	0.5	1.0	(1.0)	
$cmyn3^*$	0.0	0.5	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	59.51	-0.97	4.75		
LAB^*TCha	98.99	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		
relative Natural Colour (NC)					
lab^*tch	0.847	0.227	-0.103		
lab^*tce	0.875	0.52	0.932		
lab^*nce	0.0	0.5	0.727		

relative Inform. Technology (IT)					
$olvi3^*$	0.75	0.5	0.75	(1.0)	
$cmyn3^*$	0.25	0.5	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	59.51	-0.97	4.75		
LAB^*TCha	98.99	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		
relative Natural Colour (NC)					
lab^*tch	0.847	0.227	-0.103		
lab^*tce	0.875	0.52	0.932		
lab^*nce	0.0	0.5	0.727		

Eingabe: Farbmétrisches Reflexions-System MRS18a

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

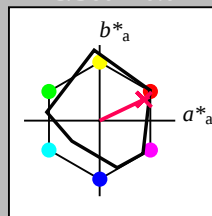
lab*tch und lab*nch

D65: Buntton R

LCH*Ma: 48 73 25

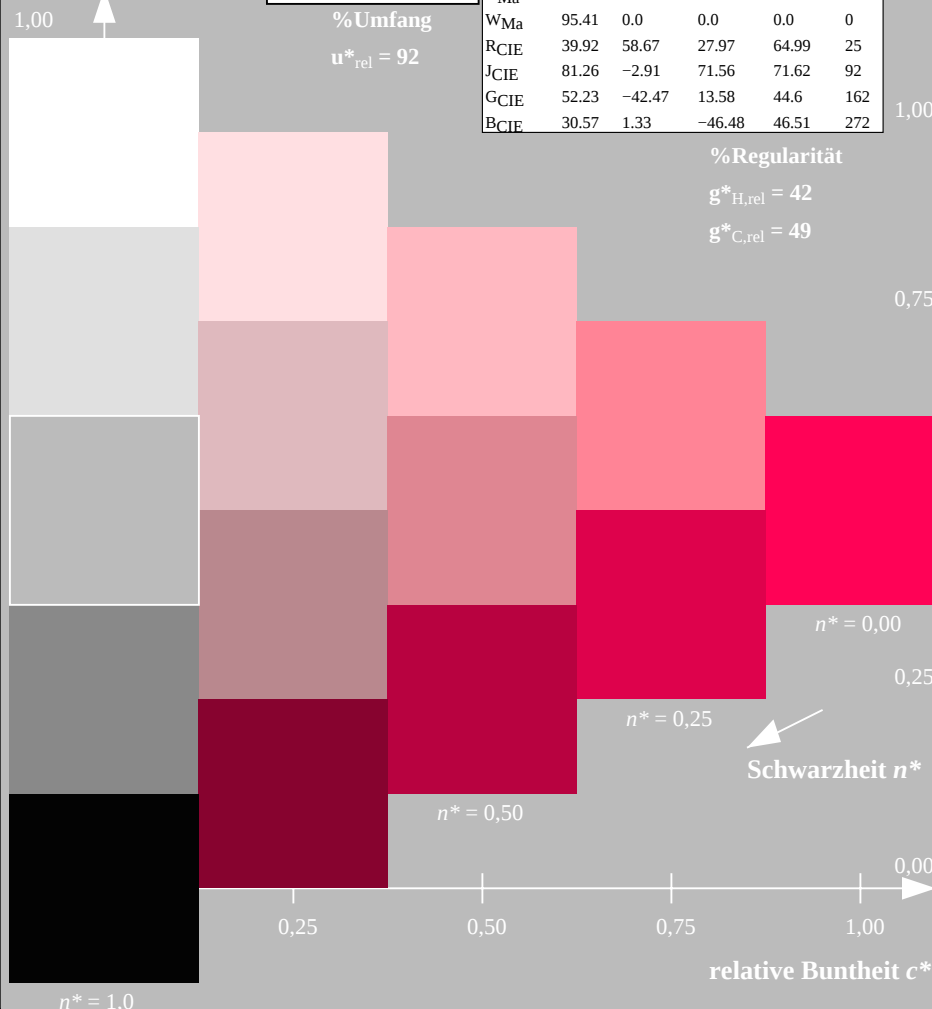
rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

MRS18a; adaptierte CIELAB-Daten					
	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.67	27.97	64.99	25
J _{CIE}	81.26	-2.91	71.56	71.62	92
G _{CIE}	52.23	-42.47	13.58	44.6	162
B _{CIE}	30.57	1.33	-46.48	46.51	272



UG460-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

BAM-Prüfvorlage UG46; Farbmetrik-Systeme MRS18a & ORS18b Input: *cmy0* setcmykcolor*

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

Ausgabe: Farbmétrisches Reflexions-System ORS18

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

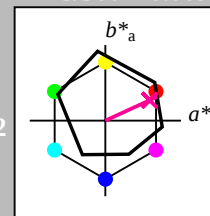
*lab*tch* und *lab*nch*

D65: Buntton R

LCH*Ma: 48 75 25

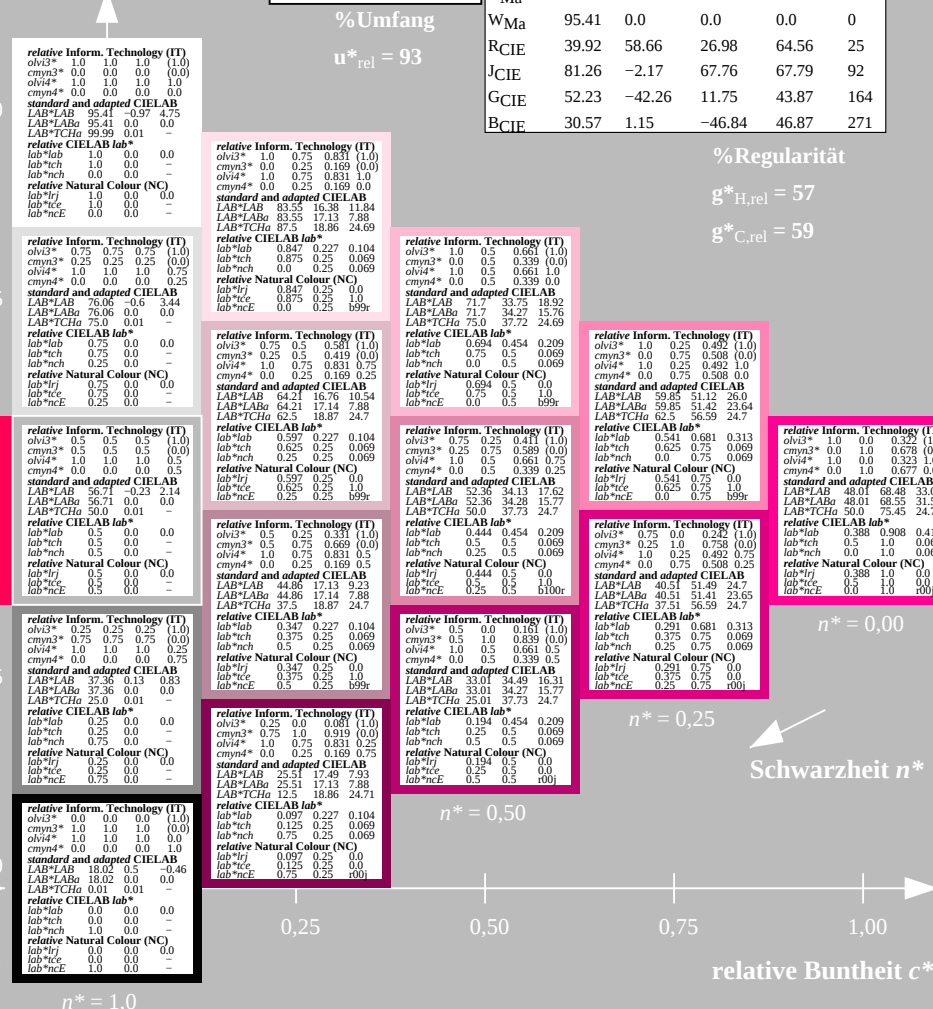
rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

ORS18; adaptierte CIELAB-Daten					
	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

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

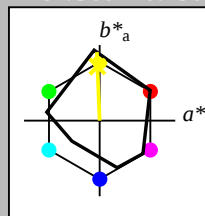
Eingabe: Farbmatisches Reflexions-System MRS18a

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
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	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

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

relative Buntheit c^*

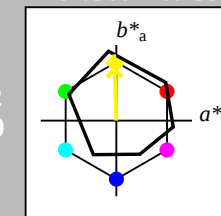
Ausgabe: Farbmatisches Reflexions-System ORS18

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

lab^*tch und lab^*nch

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

Dreiecks-Helligkeit



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

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

relative Buntheit c^*

UG460-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

BAM-Prüfvorlage UG46; Farbmatrik-Systeme MRS18a & ORS18

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne
output: $cmv0^* setcmykcolor$
output: $olv^* setrgbcolor / w^* setgray$

Eingabe: 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

1,00

%Umfang

$u^*_{rel} = 92$

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

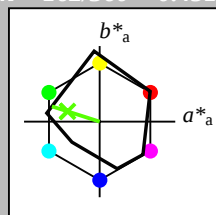
$g^*_{C,rel} = 49$

%Regularität

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

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

%Regularität



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
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	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

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

Ausgabe: Farbmatisches Reflexions-System ORS18

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

lab^*tch und lab^*nch

D65: Buntton G
LCH*Ma: 53 57 164
rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit

1,00

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

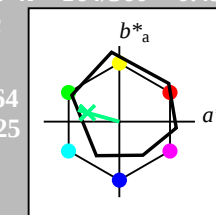
$g^*_{C,rel} = 59$

%Regularität

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

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

%Regularität



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

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

UG460-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

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

BAM-Prüfvorlage UG46; Farbmatrik-Systeme MRS18a & ORS18

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

input: `cmY0* setcmYcolor`

output: `olV* setrgbcolor / w* setgray`

Eingabe: Farbmatisches Reflexions-System MRS18a

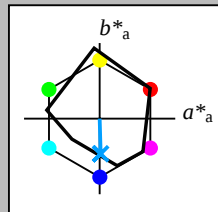
für Buntton $h^* = lab^*h = 272/360 = 0.755$

lab^*tch und lab^*nch

D65: Buntton B
LCH*Ma: 40 49 272
rgb*Ma: 0.0 0.36 1.0

Dreiecks-Helligkeit

1,00



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
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	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	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*Lab	95.41	0.0	0.0		
LAB*TCha	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		
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	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*Lab	76.06	0.0	0.0		
LAB*TCha	75.0	0.01	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		
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	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	-0.23	2.14		
LAB*Lab	56.71	0.0	0.0		
LAB*TCha	50.0	0.01	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		
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	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	-0.13	0.83		
LAB*Lab	37.36	0.0	0.0		
LAB*TCha	25.0	0.01	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		
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	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*Lab	18.02	0.0	0.0		
LAB*TCha	0.01	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		
relative Natural Colour (NC)					
lab*tch	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		

$n^* = 1.0$

Ausgabe: Farbmatisches Reflexions-System ORS18

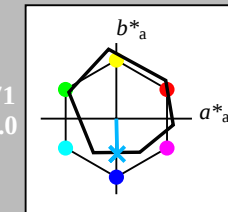
für Buntton $h^* = lab^*h = 271/360 = 0.754$

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
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

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	68.59	0.08	-19.4		
LAB*Lab	68.59	0.54	-22.35		
LAB*TCha	75.0	22.36	27.14		
relative CIELAB lab*					
lab*lab	0.5	0.012	-0.499		
lab*tch	0.5	0.5	0.754		
lab*nch	0.0	0.5	0.754		
lab*trj	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*tch	0.5	0.5	0.754		
lab*nch	0.0	0.5	0.754		

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	49.25	0.45	-20.71		
LAB*Lab	49.25	0.55	-22.35		
LAB*TCha	50.0	22.37	27.14		
relative CIELAB lab*					
lab*lab	0.25	0.012	-0.499		
lab*tch	0.25	0.25	0.754		
lab*nch	0.0	0.25	0.754		
lab*trj	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*tch	0.25	0.25	0.754		
lab*nch	0.0	0.25	0.754		

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	35.84	0.59	-32.79		
LAB*Lab	35.84	0.82	-33.53		
LAB*TCha	37.51	33.55	27.14		
relative CIELAB lab*					
lab*lab	0.0	0.018	-0.749		
lab*tch	0.0	0.0	0.754		
lab*nch	0.0	0.0	0.754		
lab*trj	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*tch	0.0	0.0	0.754		
lab*nch	0.0	0.0	0.754		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*Lab	18.02	0.0	0.0		
LAB*TCha	0.01	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		
relative Natural Colour (NC)					
lab*tch	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		

$n^* = 0.00$

UG460-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

BAM-Prüfvorlage UG46; Farbmatrik-Systeme MRS18a & ORS18

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

input: `cmY0* setcmykcolor`

output: `olv* setrgbcolor / w* setgray`

Siehe ähnliche Dateien: <http://www.ps.bam.de/UG46/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0,1, CIEXYZ

BAM-Registrierung: 20060101-UG46/10Q/Q46G09FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen, Yr=2.5, XYZ
/UG46/ Form: 10/05 Serie: 1/1, Seite: 10
Stanzung 10