

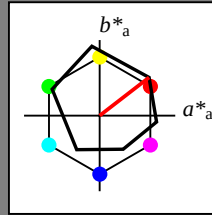
Eingabe: Farbmatisches Reflexions-System ORS18

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

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

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

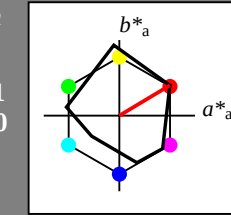
Ausgabe: Farbmatisches Reflexions-System MRS18a

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

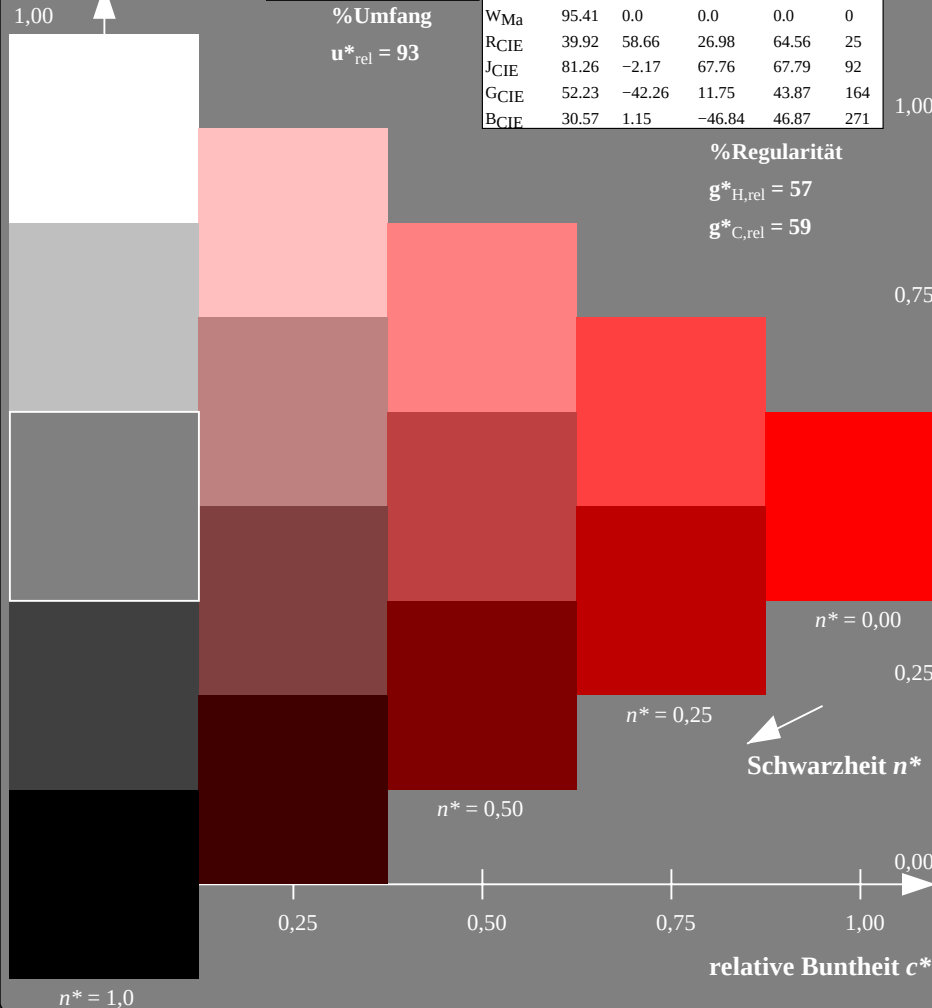


MRS18a; adaptierte CIELAB-Daten					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	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

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

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



TG410-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

BAM-Prüfvorlage TG41; Farbmatrik-Systeme ORS18 & MRS18a

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

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

input: $olv^* setrgbcolor$

output: no change compared to input

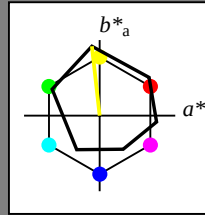
Eingabe: Farbmatisches Reflexions-System ORS18

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

lab^*tch und lab^*nch

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

Dreiecks-Helligkeit



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

%Regularität

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

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

1,00

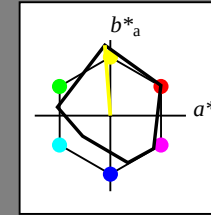
Ausgabe: Farbmatisches Reflexions-System MRS18a

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



%Umfang

$u^*_{rel} = 92$

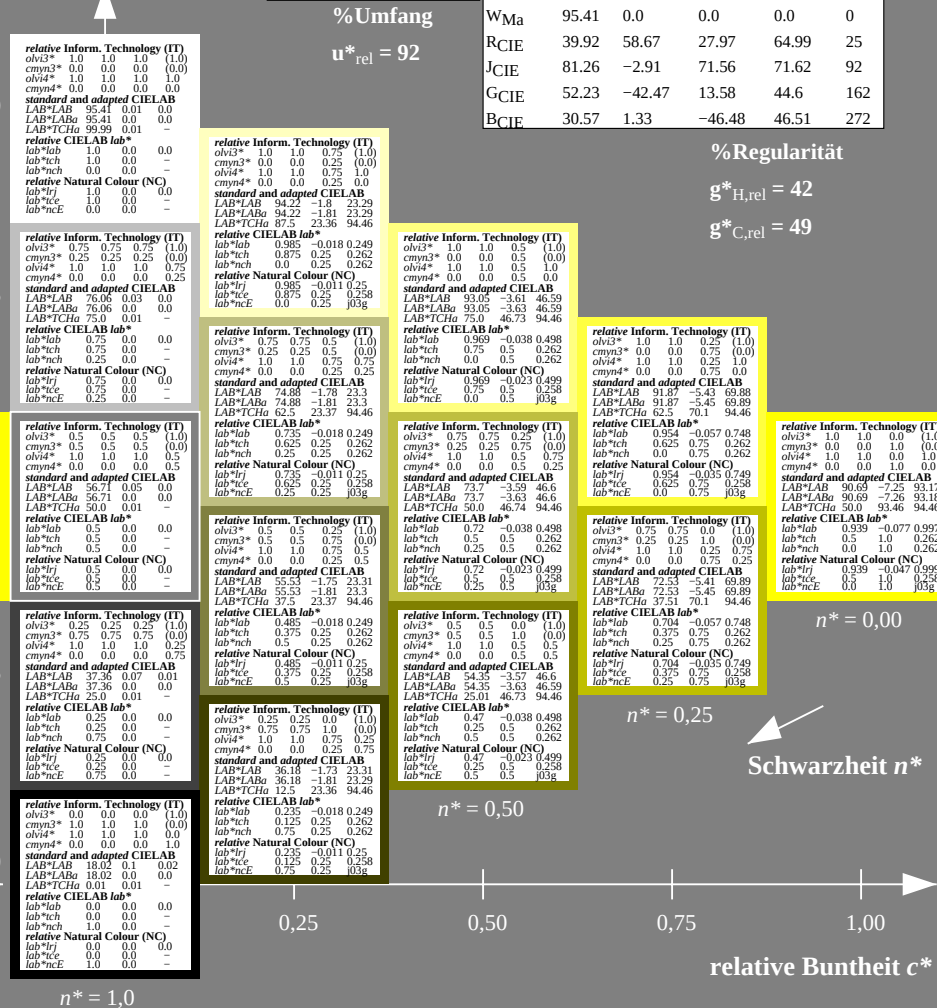
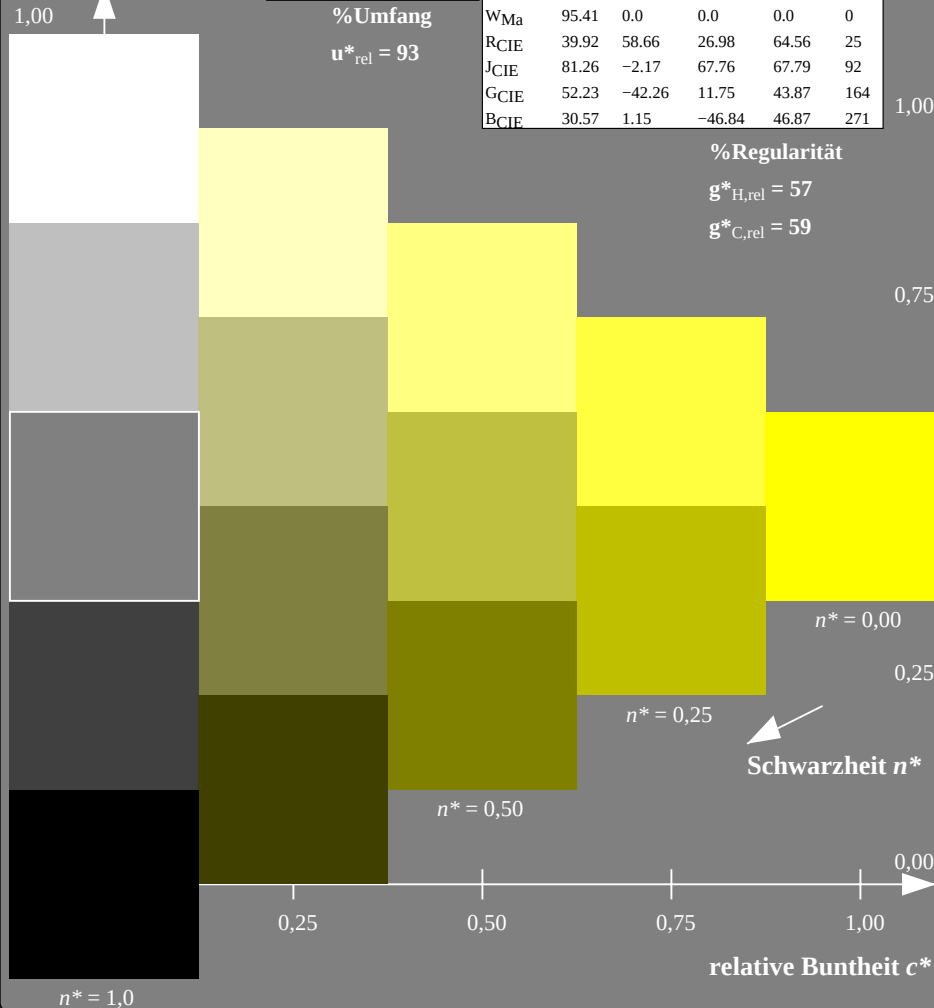
MRS18a; adaptierte CIELAB-Daten					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	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



TG4107- 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.262 (rechts)

BAM-Prüfvorlage TG41; Farbmatrik-Systeme ORS18 & MRS18a

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

input: $olv^* setrgbcolor$

output: no change compared to input

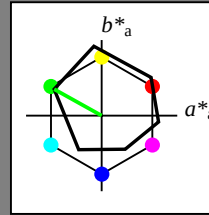
Eingabe: Farbmétrisches Reflexions-System ORS18

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

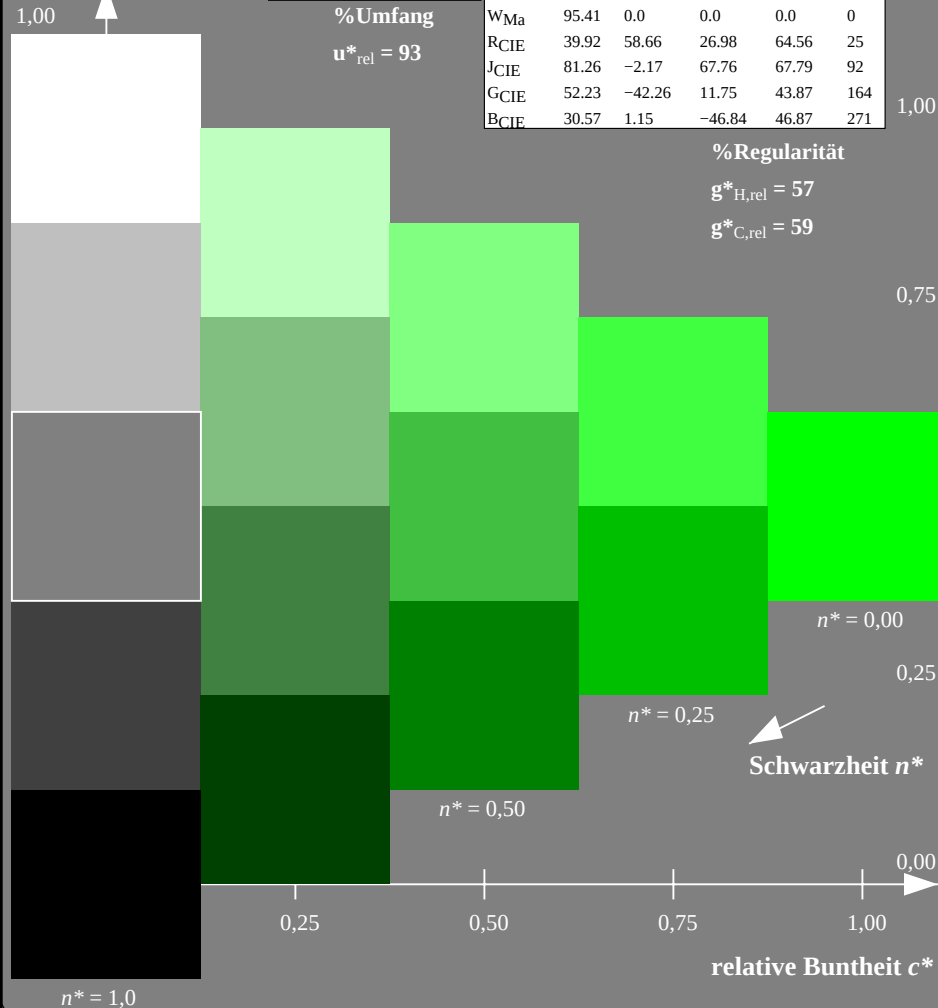


%Umfang

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

ORS18; adaptierte CIELAB-Daten					
	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h^*_{ab}
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	92
JCIE	81.26	-2.17	67.76	67.79	95
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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


TG410-7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

BAM-Prüfvorlage TG41; Farbmatrik-Systeme ORS18 & MRS18

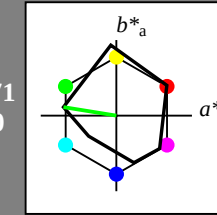
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*

Ausgabe: Farbmatisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 171/360 = 0.47$

D65: Buntton G
LCH*Ma: 52 71 17
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$$\mathbf{u}_{\text{rel}}^* = 9$$

relative Inform. Technology (IT)				
<i>olvi3*</i>	1.0	1.0	1.0	(1.0)
<i>cmyn3*</i>	0.0	0.0	0.0	(0.0)
<i>olvi4*</i>	1.0	1.0	1.0	1.0
<i>cmyn4*</i>	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.01	0.0	
LAB*LABa	95.91	0.0	0.0	
LAB*TCHa	99.99	0.01	-	

relative Inform. Technology (IT)			
<i>olvi3*</i>	0.75	1.0	0.75 (1)
<i>cmyn3*</i>	0.25	0.0	0.25 (0.0)
<i>olvi4*</i>	0.75	1.0	0.75 1.0
<i>cmyn4*</i>	0.25	0.0	0.25 0.0
standard and adapted CIELAB			
LAB*LAB	84.58	-17.45	2.82
LAB*LABa	84.58	-17.47	2.82
LAB*TChe	87.5	17.7	170.8

relative CIELAB lab*			
lab*lab	0.86	-0.246	0.04
lab*tch	0.875	0.25	0.475
lab*nch	0.0	0.25	0.475
relative Natural Colour (NC)			
lab*lrj	0.86	-0.247	-0.03
lab*tce	0.875	0.25	0.52
lab*nce	0.0	0.25	g07b

relative Inform. Technology (IT)				
olv13*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olv14*	0.75	1.0	0.75	0.75
cmyn4*	0.25	0.0	0.25	0.25
standard and adapted CIELAB				
LAB*LAB	65.23	-17.43	2.83	
LAB*LABa	65.23	-17.48	2.82	

<i>LAB*TCHa</i>	62.5	17.71	170.8
relative CIELAB <i>lab*</i>			
<i>lab*lab</i>	0.61	-0.246	0.04
<i>lab*ich</i>	0.625	0.25	0.475
<i>lab*nch</i>	0.25	0.25	0.475
relative Natural Colour (NC)			
<i>lab*lrj</i>	0.61	-0.247	-0.03
<i>lab*lce</i>	0.625	0.25	0.52
<i>lab*nce</i>	0.25	0.25	0.076

relative Inform. Technology (IT)			
<i>olvi3*</i>	0.25	0.5	0.25 (1.0)
<i>cmyn3*</i>	0.75	0.5	0.75 (0.0)
<i>olvi4*</i>	0.75	1.0	0.75 0.5
<i>cmyn4*</i>	0.25	0.0	0.25 0.5
standard and adapted CIELAB			
LAB*LAB	45.88	-17.41	2.83
LAB*LAB ₀	45.88	-17.48	2.87

LAB*lab	43.60	17.90	130.2
LAB*TChA	37.5	17.71	170.8
relative CIELAB lab*			
lab*lab	0.36	-0.246	0.04
lab*tch	0.375	0.25	0.475
lab*nch	0.5	0.25	0.475
relative Natural Colour (NC)			
lab*lrj	0.36	-0.247	-0.03
lab*tce	0.375	0.25	0.52
lab*nce	0.5	0.25	0.070

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.75	1.0	(0.0)
olvi4*	0.75	1.0	0.75	(0.25)
cmyn4*	0.25	0.0	0.25	(0.75)
standard and adapted CIELAB				
LAB*LAB	26.54	-17.38	2.84	

LAB*La _a	26.54	-17.47	2.82
LAB*TCH _a	12.5	17.7	170.8
relative CIELAB lab*			
lab*lab	0.11	-0.246	0.04
lab*tch	0.125	0.25	0.475
lab*nch	0.75	0.25	0.475
relative Natural Colour (NC)			
lab*lrj	0.11	-0.247	-0.03
lab*tce	0.125	0.25	0.52
lab*nch	0.75	0.25	0.52

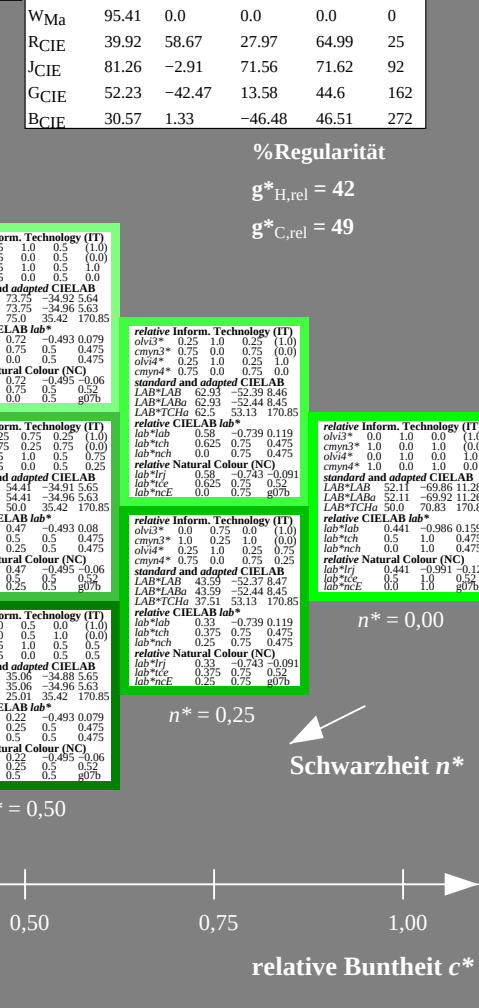
lab^{HCE}	0,75	0,25	g0/b

input: $oly \cdot set$

output: no change

MRS18a; adaptierte CIELAB-Daten						
		L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h^*_{ab}
k _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	92
	J _{CIE}	81.26	-2.91	71.56	71.62	95
G _{CIE}	52.23	-42.47	13.58	44.6	162	
B _{CIE}	30.57	1.33	-46.48	46.51	272	

%Regularität

$$g^*_{H,rel} = 42$$
$$g^*_{C,rel} = 49$$

$$\text{fraction} = 171/360 = 0.475 \text{ (rechts)}$$

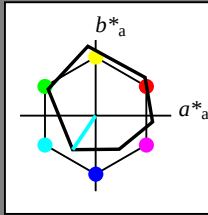
Eingabe: Farbmimetrisches Reflexions-System ORS18

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



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^*

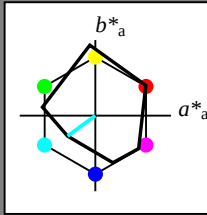
Ausgabe: Farbmimetrisches Reflexions-System MRS18a

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



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

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

TG410-7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

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

BAM-Prüfvorlage TG41; Farbmimetrik-Systeme ORS18 & MRS18a

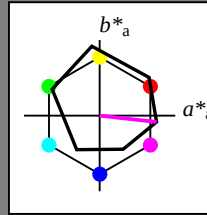
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne
input: $olv^* setrgbcolor$
output: no change compared to input

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



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

%Regularität

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

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

1,00

0,75

Schwarzheit n^*

relative Buntheit c^*

TG410-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

BAM-Prüfvorlage TG41; Farbmatrik-Systeme ORS18 & MRS18a

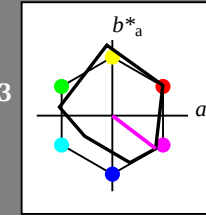
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne

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



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

Schwarzheit n^*

relative Buntheit c^*

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

input: $olv^* setrgbcolor$

output: no change compared to input

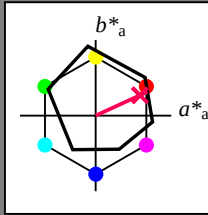
Eingabe: Farbmatisches Reflexions-System ORS18

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

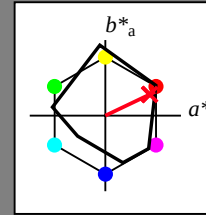
Ausgabe: Farbmatisches Reflexions-System MRS18a

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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

TG410-7, 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 TG41; Farbmatrik-Systeme ORS18 & MRS18a

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne
input: $olv^* setrgbcolor$
output: *no change compared to input*

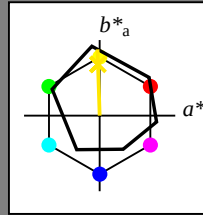
Eingabe: Farbmatisches Reflexions-System ORS18

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^*

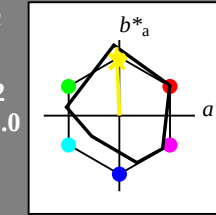
Ausgabe: Farbmatisches Reflexions-System MRS18a

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



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

TG4107-5, 5stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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

BAM-Prüfvorlage TG41; Farbmatrik-Systeme ORS18 & MRS18a

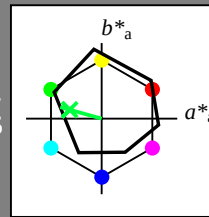
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne
input: $olv^* setrgbcolor$
output: no change compared to input

Eingabe: Farbmimetrisches Reflexions-System ORS18

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

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

Dreiecks-Helligkeit



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

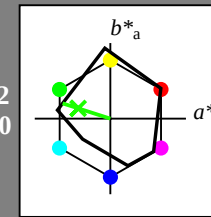
relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
olvi4*	0.0	0.0	0.0	(0.0)	
olvi5*	1.0	1.0	1.0	(1.0)	
olvi6*	0.0	0.0	0.0	(0.0)	
olvi7*	1.0	1.0	1.0	(1.0)	
olvi8*	0.0	0.0	0.0	(0.0)	
olvi9*	1.0	1.0	1.0	(1.0)	
olvi10*	0.0	0.0	0.0	(0.0)	
olvi11*	1.0	1.0	1.0	(1.0)	
olvi12*	0.0	0.0	0.0	(0.0)	
olvi13*	1.0	1.0	1.0	(1.0)	
olvi14*	0.0	0.0	0.0	(0.0)	
olvi15*	1.0	1.0	1.0	(1.0)	
olvi16*	0.0	0.0	0.0	(0.0)	
olvi17*	1.0	1.0	1.0	(1.0)	
olvi18*	0.0	0.0	0.0	(0.0)	
olvi19*	1.0	1.0	1.0	(1.0)	
olvi20*	0.0	0.0	0.0	(0.0)	
olvi21*	1.0	1.0	1.0	(1.0)	
olvi22*	0.0	0.0	0.0	(0.0)	
olvi23*	1.0	1.0	1.0	(1.0)	
olvi24*	0.0	0.0	0.0	(0.0)	
olvi25*	1.0	1.0	1.0	(1.0)	
olvi26*	0.0	0.0	0.0	(0.0)	
olvi27*	1.0	1.0	1.0	(1.0)	
olvi28*	0.0	0.0	0.0	(0.0)	
olvi29*	1.0	1.0	1.0	(1.0)	
olvi30*	0.0	0.0	0.0	(0.0)	
olvi31*	1.0	1.0	1.0	(1.0)	
olvi32*	0.0	0.0	0.0	(0.0)	
olvi33*	1.0	1.0	1.0	(1.0)	
olvi34*	0.0	0.0	0.0	(0.0)	
olvi35*	1.0	1.0	1.0	(1.0)	
olvi36*	0.0	0.0	0.0	(0.0)	
olvi37*	1.0	1.0	1.0	(1.0)	
olvi38*	0.0	0.0	0.0	(0.0)	
olvi39*	1.0	1.0	1.0	(1.0)	
olvi40*	0.0	0.0	0.0	(0.0)	
olvi41*	1.0	1.0	1.0	(1.0)	
olvi42*	0.0	0.0	0.0	(0.0)	
olvi43*	1.0	1.0	1.0	(1.0)	
olvi44*	0.0	0.0	0.0	(0.0)	
olvi45*	1.0	1.0	1.0	(1.0)	
olvi46*	0.0	0.0	0.0	(0.0)	
olvi47*	1.0	1.0	1.0	(1.0)	
olvi48*	0.0	0.0	0.0	(0.0)	
olvi49*	1.0	1.0	1.0	(1.0)	
olvi50*	0.0	0.0	0.0	(0.0)	
olvi51*	1.0	1.0	1.0	(1.0)	
olvi52*	0.0	0.0	0.0	(0.0)	
olvi53*	1.0	1.0	1.0	(1.0)	
olvi54*	0.0	0.0	0.0	(0.0)	
olvi55*	1.0	1.0	1.0	(1.0)	
olvi56*	0.0	0.0	0.0	(0.0)	
olvi57*	1.0	1.0	1.0	(1.0)	
olvi58*	0.0	0.0	0.0	(0.0)	
olvi59*	1.0	1.0	1.0	(1.0)	
olvi60*	0.0	0.0	0.0	(0.0)	
olvi61*	1.0	1.0	1.0	(1.0)	
olvi62*	0.0	0.0	0.0	(0.0)	
olvi63*	1.0	1.0	1.0	(1.0)	
olvi64*	0.0	0.0	0.0	(0.0)	
olvi65*	1.0	1.0	1.0	(1.0)	
olvi66*	0.0	0.0	0.0	(0.0)	
olvi67*	1.0	1.0	1.0	(1.0)	
olvi68*	0.0	0.0	0.0	(0.0)	
olvi69*	1.0	1.0	1.0	(1.0)	
olvi70*	0.0	0.0	0.0	(0.0)	
olvi71*	1.0	1.0	1.0	(1.0)	
olvi72*	0.0	0.0	0.0	(0.0)	
olvi73*	1.0	1.0	1.0	(1.0)	
olvi74*	0.0	0.0	0.0	(0.0)	
olvi75*	1.0	1.0	1.0	(1.0)	
olvi76*	0.0	0.0	0.0	(0.0)	
olvi77*	1.0	1.0	1.0	(1.0)	
olvi78*	0.0	0.0	0.0	(0.0)	
olvi79*	1.0	1.0	1.0	(1.0)	
olvi80*	0.0	0.0	0.0	(0.0)	
olvi81*	1.0	1.0	1.0	(1.0)	
olvi82*	0.0	0.0	0.0	(0.0)	
olvi83*	1.0	1.0	1.0	(1.0)	
olvi84*	0.0	0.0	0.0	(0.0)	
olvi85*	1.0	1.0	1.0	(1.0)	
olvi86*	0.0	0.0	0.0	(0.0)	
olvi87*	1.0	1.0	1.0	(1.0)	
olvi88*	0.0	0.0	0.0	(0.0)	
olvi89*	1.0	1.0	1.0	(1.0)	
olvi90*	0.0	0.0	0.0	(0.0)	
olvi91*	1.0	1.0	1.0	(1.0)	
olvi92*	0.0	0.0	0.0	(0.0)	
olvi93*	1.0	1.0	1.0	(1.0)	
olvi94*	0.0	0.0	0.0	(0.0)	
olvi95*	1.0	1.0	1.0	(1.0)	
olvi96*	0.0	0.0	0.0	(0.0)	
olvi97*	1.0	1.0	1.0	(1.0)	
olvi98*	0.0	0.0	0.0	(0.0)	
olvi99*	1.0	1.0	1.0	(1.0)	
olvi100*	0.0	0.0	0.0	(0.0)	

Ausgabe: Farbmimetrisches 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

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
olvi4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.01	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	0.0	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	–
lab*tch	1.0	0.0	–	
lab*nch	0.0	0.0	–	
relative Natural Colour (NC)				
lab*nrj	1.0	0.0	0.0	
lab*nre	1.0	0.0	–	
lab*nCe	0.0	0.0	–	

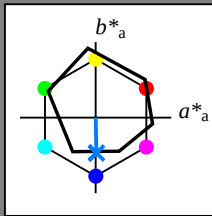
Eingabe: Farbmimetrisches Reflexions-System ORS18

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



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^*

TG410-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

BAM-Prüfvorlage TG41; Farbmimetrik-Systeme ORS18 & MRS18

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

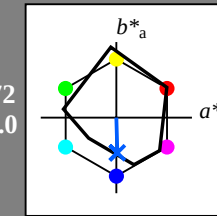
Ausgabe: Farbmimetrisches Reflexions-System MRS18a

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



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

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

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

input: $olv^* setrgbcolor$

output: no change compared to input