

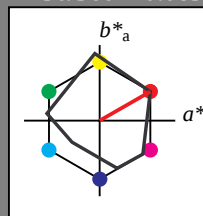
Eingabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 30/360 = 0.083$

lab^*tch und lab^*nch

D65: Buntton R
LCH*Ma: 50 77 30
rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

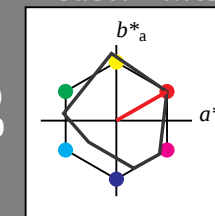
Ausgabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 30/360 = 0.083$

lab^*tch und lab^*nch

D65: Buntton R
LCH*Ma: 50 77 30
rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

UG440-7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

BAM-Prüfvorlage UG44; Farbmimetrik-Systeme MRS18 & MRS18input: *cmY0* setcmYcolor*

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

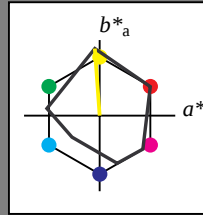
Eingabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 94/360 = 0.261$

lab^*tch und lab^*nch

D65: Buntton J
LCH*Ma: 91 89 94
rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

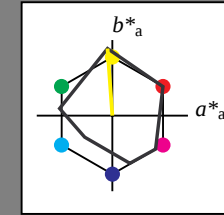
Ausgabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 94/360 = 0.261$

lab^*tch und lab^*nch

D65: Buntton J
LCH*Ma: 91 89 94
rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

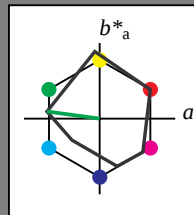
<

Eingabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 172/360 = 0.479$
 lab^*tch und lab^*nch

D65: Buntton G
LCH*Ma: 52 70 172
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

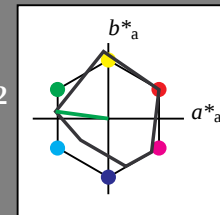
relative Buntheit c^*

Ausgabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 172/360 = 0.479$
 lab^*tch und lab^*nch

D65: Buntton G
LCH*Ma: 52 70 172
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.96	38.37	77.18	30
J _{Ma}	90.7	-6.36	88.75	88.98	94
G _{Ma}	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

0,50

0,25

0,00

0,00

0,25

0,50

0,75

1,00

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 172/360 = 0.479 (rechts)

BAM-Prüfvorlage UG44; Farbmatrik-Systeme MRS18 & MRS18input: *cmY0* setcmykcolor*

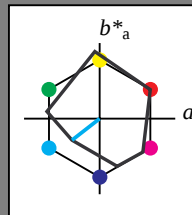
D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *no change compared to input*

Eingabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 218/360 = 0.605$
 lab^*tch und lab^*nch

D65: Buntton G50B
LCH*Ma: 45 46 218
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

0,25

0,00

0,25

0,50

0,00

0,25

0,50

0,00

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

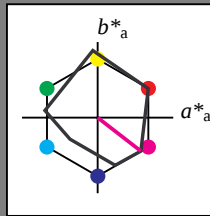
$n^* = 0,00$

Eingabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 322/360 = 0.895$
 lab^*tch und lab^*nch

D65: Buntton B50R
LCH*Ma: 35 72 322
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

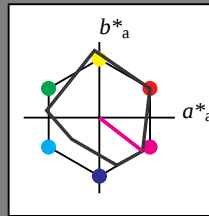
0,00

Ausgabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 322/360 = 0.895$
 lab^*tch und lab^*nch

D65: Buntton B50R
LCH*Ma: 35 72 322
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

0,50

0,25

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

0,00

MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

0,50

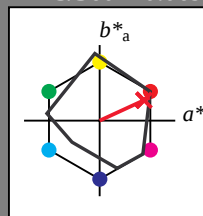
Eingabe: Farbmatisches Reflexions-System MRS18

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

lab^*tch und lab^*nch

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

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

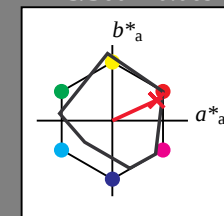
Ausgabe: Farbmatisches Reflexions-System MRS18

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

lab^*tch und lab^*nch

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

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

UG440-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

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

BAM-Prüfvorlage UG44; Farbmatrik-Systeme MRS18 & MRS18input: *cmY0* setcmykcolor*

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

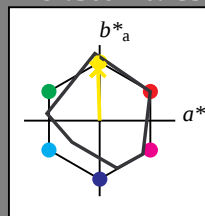
Eingabe: Farbmatisches Reflexions-System MRS18

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

lab^*tch und lab^*nch

D65: Buntton J
LCH*Ma: 89 86 92
rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

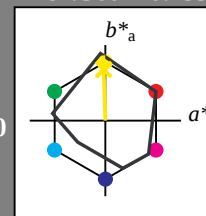
Ausgabe: Farbmatisches Reflexions-System MRS18

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

lab^*tch und lab^*nch

D65: Buntton J
LCH*Ma: 89 86 92
rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

UG440-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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

BAM-Prüfvorlage UG44; Farbmatrik-Systeme MRS18 & MRS18input: $cmy0^* setcmykcolor$

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

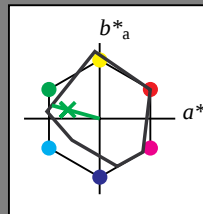
Eingabe: Farbmimetrisches Reflexions-System MRS18

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

D65: Buntton G
LCH*Ma: 56 66 164
rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit

1,00



%Umfang

$u^*_{rel} = 91$

MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	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	-0.97	4.75	-15.79	4.4
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*TCh	95.41	0.0	0.0	0.0	0.0
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	1.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25	0.25	0.25
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	-0.6	3.44	-15.79	4.4
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*TCh	76.06	0.0	0.0	0.0	0.0
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.75	0.0	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*tce	0.75	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5	0.5	0.5
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	0.23	2.14	-15.79	4.4
LAB*LAB	56.71	0.0	0.0	0.0	0.0
LAB*TCh	56.71	0.0	0.0	0.0	0.0
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*tch	0.5	0.0	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0	0.0	0.0
lab*tce	0.5	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75	0.75	0.75
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	0.13	0.83	-15.79	4.4
LAB*LAB	37.36	0.0	0.0	0.0	0.0
LAB*TCh	37.36	0.0	0.0	0.0	0.0
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*tch	0.25	0.0	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*tce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0	1.0	1.0
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	0.5	0.46	-15.79	4.4
LAB*LAB	18.02	0.0	0.0	0.0	0.0
LAB*TCh	18.02	0.0	0.0	0.0	0.0
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

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

BAM-Prüfvorlage UG44; Farbmimetrik-Systeme MRS18 & MRS18input: *cmY0* setcmykcolor*

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

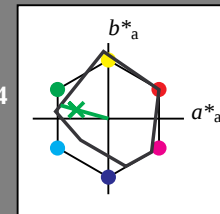
Ausgabe: Farbmimetrisches Reflexions-System MRS18

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

D65: Buntton G
LCH*Ma: 56 66 164
rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit

1,00



%Umfang

$u^*_{rel} = 91$

MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

relative Inform. Technology (IT)					
olvi3*	0.776	1.0	0.75	1.0	1.0
cmyn3*	0.224	0.0	0.25	0.0	0.0
olvi4*	0.776	1.0	0.75	1.0	1.0
cmyn4*	0.0	0.0	0.25	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	85.57	-16.58	8.49	-15.79	4.4
LAB*LAB	85.57	0.0	0.0	0.0	0.0
LAB*TCh	85.57	0.0	0.0	0.0	0.0
relative CIELAB lab*					
lab*lab	0.776	0.0	0.25	0.0	0.0
lab*tch	0.776	0.0	0.25	0.0	0.0
lab*nch	0.0	0.0	0.25	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.776	0.0	0.25	0.0	0.0
lab*tce	0.776	0.0	0.25	0.0	0.0
lab*nce	0.0	0.0	0.25	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.526	0.75	0.5	1.0	1.0
cmyn3*	0.474	0.25	0.5	0.0	0.0
olvi4*	0.776	1.0	0.75	0.75	0.75
cmyn4*	0.0	0.0	0.25	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	66.22	-16.22	7.19	-15.79	4.4
LAB*LAB	66.22	0.0	0.0	0.0	0.0
LAB*TCh	66.22	0.0	0.0	0.0	0.0
relative CIELAB lab*					
lab*lab	0.526	0.25	0.5	0.0	0.0
lab*tch	0.526	0.25	0.5	0.0	0.0
lab*nch	0.25	0.25	0.5	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.526	0.25	0.5	0.0	0.0
lab*tce	0.526	0.25	0.5	0.0	0.0
lab*nce	0.25	0.25	0.5	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.276	0.5	0.25	1.0	1.0
cmyn3*	0.724	0.5	0.75	0.0	0.0
olvi4*	0.776	1.0	0.75	0.5	0.5
cmyn4*	0.224	0.0	0.25	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	46.87	-15.85	5.88	-15.79	4.4
LAB*LAB	46.87	0.0	0.0	0.0	0.0
LAB*TCh	46.87	0.0	0.0	0.0	0.0
relative CIELAB lab*					
lab*lab	0.276	0.25	0.5	0.0	0.0
lab*tch	0.276	0.25	0.5	0.0	0.0
lab*nch	0.724	0.25	0.5	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.276	0.25	0.5	0.0	0.0
lab*tce	0.276	0.25	0.5	0.0	0.0
lab*nce	0.724	0.25	0.5	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.031	0.5	0.0	1.0	1.0
cmyn3*	0.969	0.5	0.75	0.0	0.0
olvi4*	0.551	1.0	0.5	0.75	0.75
cmyn4*	0.449	0.0	0.5	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	37.04	-31.47	9.66	-15.79	4.4
LAB*LAB	37.04	0.0	0.0	0.0	0.0
LAB*TCh	37.04	0.0	0.0	0.0	0.0
relative CIELAB lab*					
lab*lab	0.031	0.25	0.5	0.0	0.0
lab*tch	0.031	0.25	0.5	0.0	0.0
lab*nch	0.969	0.25	0.5	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.031	0.25	0.5	0.0	0.0
lab*tce	0.031	0.25	0.5	0.0	0.0
lab*nce	0.969	0.25	0.5	0.0	0.0

relative Inform. Technology (IT)		
----------------------------------	--	--

