

Eingabe: Farbmetrisches Reflexions-System ORS18

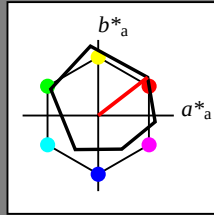
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $38/360 = 0.105$ (links)

Ausgabe: Farbmetrisches Reflexions-System ORS18

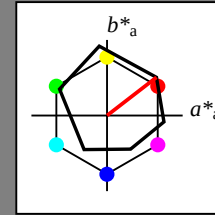
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

relative Buntheit c^* 5 stufige Reihen für konstanten CIELAB Buntton $38/360 = 0.105$ (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

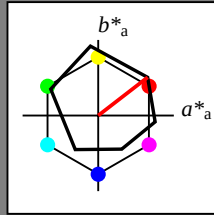
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $38/360 = 0.105$ (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

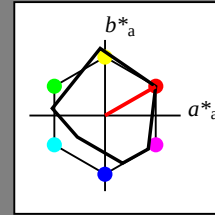
für Buntton $h^* = \text{lab}^*h = 30/360 = 0.083$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $30/360 = 0.083$ (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

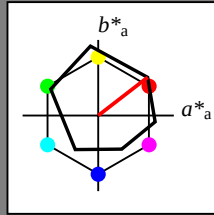
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

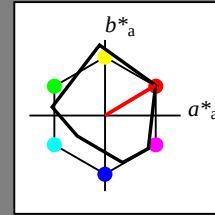
für Buntton $h^* = \text{lab}^*h = 31/360 = 0.086$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

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

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

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

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*TCBa 99.99 0.01 -

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*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 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 0.0 0.0

LAB*LABa 76.06 0.0 0.0

LAB*TCBa 75.01 -

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 -

lab*nch 0.25 0.0 -

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.25 0.0 -

lab*nce 0.25 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 0.0 0.0

LAB*LABa 56.71 0.0 0.0

LAB*TCBa 50.0 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 -

lab*nch 0.5 0.0 -

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 -

lab*nce 0.5 0.0 -

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (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 37.36 0.07 0.01

LAB*LABa 37.36 0.07 0.01

LAB*TCBa 25.0 0.01

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 -

lab*nch 0.25 0.0 -

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 -

lab*nce 0.25 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (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 18.02 0.1 0.02

LAB*LABa 18.02 0.1 0.02

LAB*TCBa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 1.0 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 56.71 0.0 0.0

LAB*LABa 56.71 0.0 0.0

LAB*TCBa 50.0 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 -

lab*nch 0.5 0.0 -

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 -

lab*nce 0.5 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 37.36 0.07 0.01

LAB*LABa 37.36 0.07 0.01

LAB*TCBa 25.0 0.01

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 -

lab*nch 0.25 0.0 -

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 -

lab*nce 0.25 0.0 -

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (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 18.02 0.1 0.02

LAB*LABa 18.02 0.1 0.02

LAB*TCBa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 1.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (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 18.02 0.1 0.02

LAB*LABa 18.02 0.1 0.02

LAB*TCBa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 1.0 0.0 -

relative Inform. Technology (IT)

olvi3* 1.0 0.5 0.5 (1.0)

cmyn3* 0.0 0.5 0.5 (0.0)

olvi4* 1.0 0.5 0.5 (1.0)

cmyn4* 0.0 0.5 0.5 (0.0)

standard and adapted CIELAB

LAB*LAB 72.52 33.43 20.01

LAB*LABa 72.52 33.43 20.01

LAB*TCBa 75.0 38.93 30.93

relative CIELAB lab*

lab*lab 0.704 0.429 0.257

lab*tch 0.75 0.5 0.086

lab*nch 0.0 0.5 0.086

relative Natural Colour (NC)

lab*trj 0.204 0.496 0.064

lab*tce 0.25 0.5 0.02

lab*nce 0.0 0.5 0.086

relative Inform. Technology (IT)

olvi3* 0.75 0.5 0.5 (1.0)

cmyn3* 0.25 0.5 0.5 (0.0)

olvi4* 1.0 0.5 0.5 (1.0)

cmyn4* 0.0 0.5 0.5 (0.0)

standard and adapted CIELAB

LAB*LAB 53.17 33.46 20.03

LAB*LABa 53.17 33.4 20.01

LAB*TCBa 50.0 38.93 30.93

relative CIELAB lab*

lab*lab 0.454 0.429 0.257

lab*tch 0.25 0.5 0.086

lab*nch 0.25 0.5 0.086

relative Natural Colour (NC)

lab*trj 0.454 0.496 0.064

lab*tce 0.5 0.5 0.02

lab*nce 0.25 0.5 0.086

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 1.0 1.0 (0.0)

standard and adapted CIELAB

LAB*LAB 37.36 0.07 0.01

LAB*LABa 37.36 0.07 0.01

LAB*TCBa 25.0 0.01

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 -

lab*nch 0.25 0.0 -

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 -

lab*nce 0.25 0.0 -

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (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 18.02 0.1 0.02

LAB*LABa 18.02 0.1 0.02

LAB*TCBa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 1.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (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 18.02 0.1 0.02

LAB*LABa 18.02 0.1 0.02

LAB*TCBa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 1.0 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 56.71 0.0 0.0

LAB*LABa 56.71 0.0 0.0

LAB*TCBa 50.0 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 -

lab*nch 0.5 0.0 -

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 -

lab*nce 0.5 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 1.0 1.0 (0.0)

standard and adapted CIELAB

LAB*LAB 37.36 0.07 0.01

LAB*LABa 37.36 0.07 0.01

LAB*TCBa 25.0 0.01

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 -

lab*nch 0.25 0.0 -

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 -

lab*nce 0.25 0.0 -

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (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 18.02 0.1 0.02

LAB*LABa 18.02 0.1 0.02

LAB*TCBa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 1.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (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 18.02 0.1 0.02

LAB*LABa 18.02 0.1 0.02

LAB*TCBa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 1.0 0.0 -

relative Inform. Technology (IT)

olvi3* 1.0 0.25 0.25 (1.0)

cmyn3* 0.0 0.75 0.75 (0.0)

olvi4* 1.0 0.25 0.25 (1.0)

cmyn4* 0.0 0.75 0.75 (0.0)

standard and adapted CIELAB

LAB*LAB 61.07 30.14 30.03

LAB*LABa 61.07 30.09 30.01

LAB*TCBa 62.5 38.39 30.93

relative CIELAB lab*

lab*lab 0.556 0.643 0.385

lab*tch 0.625 0.75 0.086

lab*nch 0.0 0.75 0.086

relative Natural Colour (NC)

lab*trj 0.556 0.744 0.096

lab*tce 0.625 0.75 0.02

lab*nce 0.0 0.75 0.086

relative Inform. Technology (IT)

olvi3* 0.75 0.25 0.25 (1.0)

cmyn3* 0.25 0.75 0.75 (0.0)

olvi4* 1.0 0.25 0.25 (1.0)

cmyn4* 0.0 0.75 0.75 (0.0)

standard and adapted CIELAB

LAB*LAB 53.17 33.46 20.03

LAB*LABa 53.17 33.4 20.01

LAB*TCBa 50.0 38.93 30.93

relative CIELAB lab*

lab*lab 0.454 0.429 0.257

lab*tch 0.25 0.75 0.086

lab*nch 0.25 0.75 0.086

relative Natural Colour (NC)

lab*trj 0.454 0.496 0.064

lab*tce 0.5 0.75 0.02

lab*nce 0.25 0.75 0.086

relative Inform. Technology (IT)

olvi3* 0.5 0.25 0.25 (1.0)

cmyn3* 0.5 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 1.0 1.0 (0.0)

standard and adapted CIELAB

LAB*LAB 37.36 0.07 0.01

LAB*LABa 37.36 0.07 0.01

LAB*TCBa 25.0 0.01

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 -

lab*nch 0.25 0.0 -

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 -

lab*nce 0.25 0.0 -

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (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 18.02 0.1 0.02

LAB*LABa 18.02 0.1 0.02

LAB*TCBa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 1.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (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 18.02 0.1 0.02

LAB*LABa 18.02 0.1

Eingabe: Farbmetrisches Reflexions-System ORS18

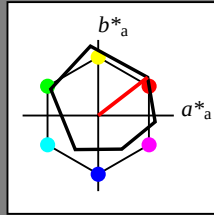
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



ORS18; adaptierte CIELAB-Daten

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

%Regularität

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS18

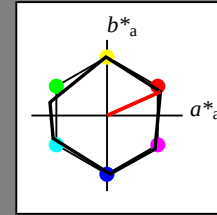
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

1,00

0,75

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

 $n^* = 1,0$

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

Eingabe: Farbmetrisches Reflexions-System ORS18

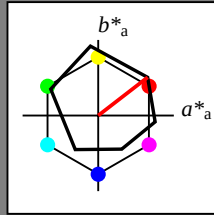
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%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

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

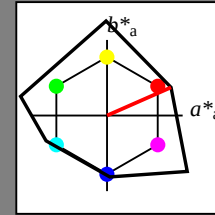
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

1,00

0,75

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 0,50$ relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

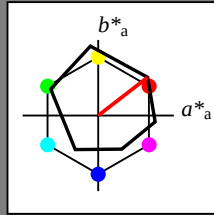
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $38/360 = 0.105$ (links)

Ausgabe: Farbmetrisches Reflexions-System NRS11

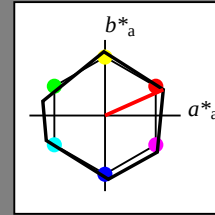
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^* 5 stufige Reihen für konstanten CIELAB Buntton $24/360 = 0.067$ (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

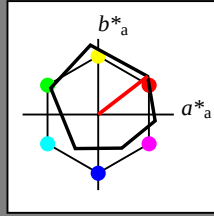
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $38/360 = 0.105$ (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

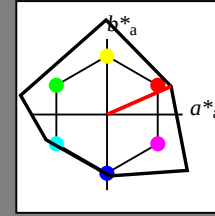
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $24/360 = 0.066$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = \text{lab}^*h = 30/360 = 0.083$

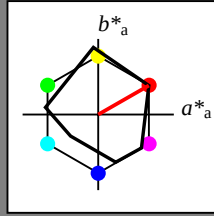
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 91$

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
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

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

Ausgabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$

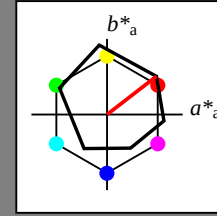
lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 0,50$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = \text{lab}^*h = 30/360 = 0.083$ lab^*tch und lab^*nch

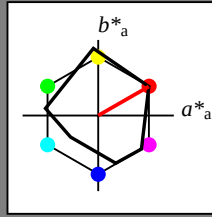
D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{\text{rel}} = 91$

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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

relative Inform. Technology (IT)	
olvi3*	1.0 1.0 1.0 (1.0)
cmyn3*	0.0 0.0 0.0 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*TCRa	99.99 0.01 -
relative CIELAB lab*	
lab*lab	1.0 0.0 0.0
lab*ch	1.0 0.0 -
lab*nch	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*trj	1.0 0.0 0.0
lab*nce	0.0 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.75 0.75 0.75 (1.0)
cmyn3*	0.25 0.25 0.25 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	76.06 0.0 3.44
LAB*LABa	76.06 0.0 3.44
LAB*TCRa	75.01 -
relative CIELAB lab*	
lab*lab	0.75 0.0 0.0
lab*ch	0.75 0.0 -
lab*nch	0.25 0.0 -
relative Natural Colour (NC)	
lab*trj	0.75 0.0 0.0
lab*nce	0.25 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.5 0.5 0.5 (1.0)
cmyn3*	0.5 0.5 0.5 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	56.71 0.0 2.14
LAB*LABa	56.71 0.0 2.14
LAB*TCRa	50.0 -
relative CIELAB lab*	
lab*lab	0.5 0.0 0.0
lab*ch	0.5 0.0 -
lab*nch	0.5 0.0 -
relative Natural Colour (NC)	
lab*trj	0.5 0.0 0.0
lab*nce	0.5 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.25 0.25 0.25 (1.0)
cmyn3*	0.75 0.75 0.75 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	37.36 0.0 0.83
LAB*LABa	37.36 0.0 0.83
LAB*TCRa	25.0 -
relative CIELAB lab*	
lab*lab	0.25 0.0 0.0
lab*ch	0.25 0.0 -
lab*nch	0.25 0.0 -
relative Natural Colour (NC)	
lab*trj	0.25 0.0 0.0
lab*nce	0.25 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 (0.0)
cmyn4*	0.0 0.0 0.0 (1.0)
standard and adapted CIELAB	
LAB*LAB	18.02 0.5 -0.46
LAB*LABa	18.02 0.5 -0.46
LAB*TCRa	0.01 -
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*ch	0.0 0.0 -
lab*nch	1.0 0.0 -
relative Natural Colour (NC)	
lab*trj	0.0 0.0 0.0
lab*nce	1.0 0.0 -

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = \text{lab}^*h = 30/360 = 0.083$ lab^*tch und lab^*nch

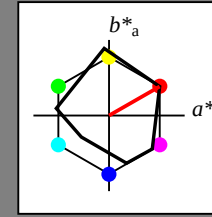
D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{\text{rel}} = 91$

relative Inform. Technology (IT)	
olvi3*	1.0 1.0 1.0 (1.0)
cmyn3*	0.0 0.25 0.25 (0.0)
olvi4*	1.0 0.75 0.75 (1.0)
cmyn4*	0.0 0.25 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	83.96 15.97 13.58
LAB*LABa	83.96 16.73 9.59
LAB*TCRa	87.5 19.29 29.82
relative CIELAB lab*	
lab*lab	0.852 0.217 0.124
lab*ch	0.875 0.25 0.083
lab*nch	0.0 0.25 0.083
relative Natural Colour (NC)	
lab*trj	0.852 0.248 0.03
lab*nce	0.875 0.25 0.019

relative Inform. Technology (IT)	
olvi3*	0.75 0.5 0.5 (1.0)
cmyn3*	0.25 0.5 0.5 (0.0)
olvi4*	1.0 0.75 0.75 (1.0)
cmyn4*	0.0 0.25 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	64.61 16.35 12.27
LAB*LABa	64.61 16.74 9.59
LAB*TCRa	62.5 19.29 29.82
relative CIELAB lab*	
lab*lab	0.602 0.217 0.124
lab*ch	0.625 0.25 0.083
lab*nch	0.25 0.25 0.083
relative Natural Colour (NC)	
lab*trj	0.602 0.248 0.03
lab*nce	0.625 0.25 0.019

relative Inform. Technology (IT)	
olvi3*	0.5 0.25 0.25 (1.0)
cmyn3*	0.5 0.25 0.25 (0.0)
olvi4*	1.0 0.75 0.75 (1.0)
cmyn4*	0.0 0.25 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	53.17 33.31 21.09
LAB*LABa	53.17 33.48 19.19
LAB*TCRa	50.0 38.59 29.82
relative CIELAB lab*	
lab*lab	0.454 0.434 0.249
lab*ch	0.454 0.5 0.083
lab*nch	0.25 0.5 0.083
relative Natural Colour (NC)	
lab*trj	0.454 0.496 0.06
lab*nce	0.454 0.5 0.019

relative Inform. Technology (IT)	
olvi3*	0.25 0.25 0.25 (1.0)
cmyn3*	0.75 1.0 1.0 (0.0)
olvi4*	1.0 0.75 0.75 (1.0)
cmyn4*	0.0 0.25 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	33.82 33.67 19.79
LAB*LABa	33.82 33.47 19.18
LAB*TCRa	25.01 38.58 29.82
relative CIELAB lab*	
lab*lab	0.204 0.434 0.249
lab*ch	0.25 0.5 0.083
lab*nch	0.5 0.5 0.083
relative Natural Colour (NC)	
lab*trj	0.204 0.496 0.06
lab*nce	0.25 0.5 0.019

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 (0.0)
cmyn4*	0.0 0.0 0.0 (1.0)
standard and adapted CIELAB	
LAB*LAB	18.02 0.5 -0.46
LAB*LABa	18.02 0.5 -0.46
LAB*TCRa	0.01 -
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*ch	0.0 0.0 -
lab*nch	1.0 0.0 -
relative Natural Colour (NC)	
lab*trj	0.0 0.0 0.0
lab*nce	1.0 0.0 -

relative Inform. Technology (IT)	
olvi3*	1.0 0.5 0.5 (1.0)
cmyn3*	0.0 0.5 0.5 (0.0)
olvi4*	1.0 0.5 0.5 (1.0)
cmyn4*	0.0 0.5 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	72.52 33.93 22.4
LAB*LABa	72.52 33.47 19.18
LAB*TCRa	75.0 38.58 29.82
relative CIELAB lab*	
lab*lab	0.704 0.434 0.249
lab*ch	0.75 0.5 0.083
lab*nch	0.0 0.5 0.083
relative Natural Colour (NC)	
lab*trj	0.704 0.496 0.06
lab*nce	0.75 0.5 0.019

relative Inform. Technology (IT)	
olvi3*	0.75 0.25 0.25 (1.0)
cmyn3*	0.25 0.75 0.75 (0.0)
olvi4*	1.0 0.5 0.5 (1.0)
cmyn4*	0.0 0.5 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	53.17 33.31 21.09
LAB*LABa	53.17 33.48 19.19
LAB*TCRa	50.0 38.59 29.82
relative CIELAB lab*	
lab*lab	0.454 0.434 0.249
lab*ch	0.454 0.5 0.083
lab*nch	0.25 0.5 0.083
relative Natural Colour (NC)	
lab*trj	0.454 0.496 0.06
lab*nce	0.454 0.5 0.019

relative Inform. Technology (IT)	
olvi3*	0.5 0.0 0.0 (1.0)
cmyn3*	0.5 1.0 1.0 (0.0)
olvi4*	1.0 0.5 0.5 (1.0)
cmyn4*	0.0 0.5 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	33.82 33.67 19.79
LAB*LABa	33.82 33.47 19.18
LAB*TCRa	25.01 38.58 29.82
relative CIELAB lab*	
lab*lab	0.204 0.434 0.249
lab*ch	0.25 0.5 0.083
lab*nch	0.5 0.5 0.083
relative Natural Colour (NC)	
lab*trj	0.204 0.496 0.06
lab*nce	0.25 0.5 0.019

relative Inform. Technology (IT)	
olvi3*	0.25 0.0 0.0 (1.0)
cmyn3*	0.75 1.0 1.0 (0.0)
olvi4*	1.0 0.75 0.75 (1.0)
cmyn4*	0.0 0.25 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	18.02 0.5 -0.46
LAB*LABa	18.02 0.5 -0.46
LAB*TCRa	0.01 -
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*ch	0.0 0.0 -
lab*nch	1.0 0.0 -
relative Natural Colour (NC)	
lab*trj	0.0 0.0 0.0
lab*nce	1.0 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 (0.0)
cmyn4*	0.0 0.0 0.0 (1.0)
standard and adapted CIELAB	
LAB*LAB	18.02 0.5 -0.46
LAB*LABa	18.02 0.5 -0.46
LAB*TCRa	0.01 -
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*ch	0.0 0.0 -
lab*nch	1.0 0.0 -
relative Natural Colour (NC)	
lab*trj	0.0 0.0 0.0
lab*nce	1.0 0.0 -

relative Inform. Technology (IT)	
olvi3*	1.0 0.25 0.25 (1.0)
cmyn3*	0.0 0.75 0.75 (0.0)
olvi4*	1.0 0.25 0.25 (1.0)
cmyn4*	0.0 0.75 0.75 (0.0)
standard and adapted CIELAB	
LAB*LAB	61.07 49.88 31.22
LAB*LABa	61.07 50.21 28.78
LAB*TCRa	62.5 57.87 29.82
relative CIELAB lab*	
lab*lab	0.556 0.651 0.373
lab*ch	0.625 0.75 0.083
lab*nch	0.0 0.75 0.083
relative Natural Colour (NC)	
lab*trj	0.556 0.725 0.09
lab*nce	0.625 0.75 0.019

relative Inform. Technology (IT)	
olvi3*	0.75 0.0 0.0 (1.0)
cmyn3*	0.75 1.0 1.0 (0.0)
olvi4*	1.0 0.25 0.25 (1.0)
cmyn4*	0.0 0.75 0.75 (0.0)
standard and adapted CIELAB	
LAB*LAB	49.63 66.84 40.03
LAB*LABa	49.63 66.95 38.36
LAB*TCRa	50.0 77.16 29.82
relative CIELAB lab*	
lab*lab	0.409 0.867 0.487
lab*ch	0.5 1.0 0.083
lab*nch	0.0 1.0 0.083
relative Natural Colour (NC)	
lab*trj	0.409 0.953 0.119
lab*nce	0.5 1.0 0.019

relative Inform. Technology (IT)	
olvi3*	0.5 0.0 0.0 (1.0)
cmyn3*	0.5 1.0 1.0 (0.0)
olvi4*	1.0 0.5 0.5 (1.0)
cmyn4*	0.0 0.5 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	33.82 33.67 19.79
LAB*LABa	33.82 33.47 19.18
LAB*TCRa	25.01 38.58 29.82
relative CIELAB lab*	
lab*lab	0.306 0.651 0.373
lab*ch	0.375 0.75 0.083
lab*nch	0.25 0.75 0.083
relative Natural Colour (NC)	
lab*trj	0.306 0.725 0.09
lab*nce	0.375 0.75 0.019

relative Inform. Technology (IT)	
olvi3*	0.25 0.0 0.0 (1.0)
cmyn3*	0.75 1.0 1.0 (0.0)
olvi4*	1.0 0.75 0.75 (1.0)
cmyn4*	0.0 0.25 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	18.02 0.5 -0.46
LAB*LABa	18.02 0.5 -0.46
LAB*TCRa	0.01 -
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*ch	0.0 0.0 -
lab*nch	1.0 0.0 -
relative Natural Colour (NC)	
lab*trj	0.0 0.0 0.0
lab*nce	1.0 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 (0.0)
cmyn4*	0.0 0.0 0.0 (1.0)
standard and adapted CIELAB	
LAB*LAB	18.02 0.5 -0.46
LAB*LABa	18.02 0.5 -0.46
LAB*TCRa	0.01 -
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*ch	0.0 0.0 -
lab*nch	1.0 0.0 -
relative Natural Colour (NC)	
lab*trj	0.0 0.0 0.0
lab*nce	1.0 0.0 -

relative Inform. Technology (IT)	
olvi3*	1.0 0.0 0.0 (1.0)
cmyn3*	0.0 1.0 1.0 (0.0)
olvi4*	1.0 0.0 0.0 (1.0)
cmyn4*	0.0 0.0 0.0 (1.0)
standard and adapted CIELAB	
LAB*LAB	18.02 0.5 -0.46

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = \text{lab}^*h = 30/360 = 0.083$ lab^*tch und lab^*nch

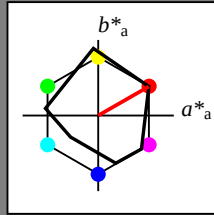
D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{\text{rel}} = 91$

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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TC_{Ma} 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*nce 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 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.0 0.0
LAB*LABa 76.06 0.0 0.0
LAB*TC_{Ma} 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 -
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 64.19 15.96 15.28
LAB*LABa 64.19 16.34 12.63
LAB*TC_{Ma} 62.5 20.65 37.7

relative CIELAB lab*
lab*lab 0.597 0.198 0.153
lab*ch 0.625 0.25 0.105
lab*nch 0.25 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.597 0.259 0.075
lab*nce 0.625 0.25 0.048
lab*nce 0.25 0.25 (19)

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 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TC_{Ma} 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*nce 0.5 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 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TC_{Ma} 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.75 0.75 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 25.5 16.7 12.67
LAB*LABa 25.5 16.34 12.62
LAB*TC_{Ma} 12.5 20.65 37.7

relative CIELAB lab*
lab*lab 0.197 0.198 0.153
lab*ch 0.125 0.25 0.105
lab*nch 0.75 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.197 0.259 0.075
lab*nce 0.125 0.25 0.048
lab*nce 0.75 0.25 (19)

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.75 0.75 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ma} 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 0.0 0.0 -

 $n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

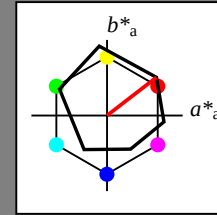
D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

1,00



%Umfang

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

relative Inform. Technology (IT)
olvi3* 1.0 0.75 0.75 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 83.54 15.58 16.58
LAB*LABa 83.54 16.34 12.62
LAB*TC_{Ma} 87.5 20.65 37.7

relative CIELAB lab*
lab*lab 0.847 0.198 0.153
lab*ch 0.875 0.25 0.105
lab*nch 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.847 0.259 0.075
lab*nce 0.875 0.25 0.048
lab*nce 0.0 0.25 (19)

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 64.19 15.96 15.28
LAB*LABa 64.19 16.34 12.63
LAB*TC_{Ma} 62.5 20.65 37.7

relative CIELAB lab*
lab*lab 0.597 0.198 0.153
lab*ch 0.625 0.25 0.105
lab*nch 0.25 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.597 0.259 0.075
lab*nce 0.625 0.25 0.048
lab*nce 0.25 0.25 (19)

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.25 (1.0)
cmyn3* 0.25 0.75 0.75 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 52.33 32.33 27.11
LAB*LABa 52.33 32.69 25.26
LAB*TC_{Ma} 50.0 41.3 37.7

relative CIELAB lab*
lab*lab 0.443 0.396 0.306
lab*ch 0.475 0.5 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*trj 0.443 0.477 0.15
lab*nce 0.475 0.5 0.048
lab*nce 0.0 0.5 (19)

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 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 44.84 16.33 13.98
LAB*LABa 44.84 16.34 12.63
LAB*TC_{Ma} 37.5 20.65 37.7

relative CIELAB lab*
lab*lab 0.347 0.198 0.153
lab*ch 0.375 0.25 0.105
lab*nch 0.5 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.347 0.259 0.075
lab*nce 0.375 0.25 0.048
lab*nce 0.5 0.25 (19)

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TC_{Ma} 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.75 0.75 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 25.5 16.7 12.67
LAB*LABa 25.5 16.34 12.62
LAB*TC_{Ma} 12.5 20.65 37.7

relative CIELAB lab*
lab*lab 0.197 0.198 0.153
lab*ch 0.125 0.25 0.105
lab*nch 0.75 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.197 0.259 0.075
lab*nce 0.125 0.25 0.048
lab*nce 0.75 0.25 (19)

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.75 0.75 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ma} 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 0.0 0.0 -

 $n^* = 1,0$

TRS18; 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

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

relative Inform. Technology (IT)
olvi3* 1.0 0.25 0.25 (1.0)
cmyn3* 0.0 0.75 0.75 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 59.81 48.72 40.24
LAB*LABa 59.81 49.02 37.88
LAB*TC_{Ma} 62.5 61.95 37.7

relative CIELAB lab*
lab*lab 0.54 0.593 0.459
lab*ch 0.625 0.75 0.105
lab*nch 0.0 0.75 0.105
relative Natural Colour (NC)
lab*trj 0.54 0.715 0.225
lab*nce 0.625 0.75 0.048
lab*nce 0.0 0.75 (19)

relative Inform. Technology (IT)
olvi3* 1.0 0.0 0.0 (1.0)
cmyn3* 0.0 1.0 1.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.95 65.29 52.06
LAB*LABa 47.95 65.36 50.51
LAB*TC_{Ma} 50.0 62.5 37.7

relative CIELAB lab*
lab*lab 0.387 0.791 0.611
lab*ch 0.5 1.0 0.105
lab*nch 0.0 1.0 0.105
relative Natural Colour (NC)
lab*trj 0.387 0.954 0.299
lab*nce 0.5 1.0 0.048
lab*nce 0.0 1.0 (19)

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.0 (1.0)
cmyn3* 0.25 1.0 1.0 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 40.46 49.1 38.93
LAB*LABa 40.46 49.02 37.88
LAB*TC_{Ma} 37.5 61.95 37.7

relative CIELAB lab*
lab*lab 0.29 0.593 0.459
lab*ch 0.375 0.75 0.105
lab*nch 0.25 0.75 0.105
relative Natural Colour (NC)
lab*trj 0.29 0.715 0.225
lab*nce 0.375 0.75 0.048
lab*nce 0.25 0.75 (19)

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 1.0 1.0 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 32.98 32.9 25.8
LAB*LABa 32.98 32.68 25.25
LAB*TC_{Ma} 25.01 41.3 37.7

relative CIELAB lab*
lab*lab 0.193 0.396 0.306
lab*ch 0.25 0.5 0.105
lab*nch 0.5 0.5 0.105
relative Natural Colour (NC)
lab*trj 0.193 0.477 0.15
lab*nce 0.25 0.5 0.048
lab*nce 0.5 0.5 (19)

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 1.0 1.0 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 25.5 16.7 12.67
LAB*LABa 25.5 16.34 12.62
LAB*TC_{Ma} 12.5 20.65 37.7

relative CIELAB lab*
lab*lab 0.097 0.198 0.153
lab*ch 0.125 0.25 0.105
lab*nch 0.75 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.097 0.259 0.075
lab*nce 0.125 0.25 0.048
lab*nce 0.75 0.25 (19)

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.75 0.75 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ma} 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.75 0.75 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ma} 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 0.0 0.0 -

 $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

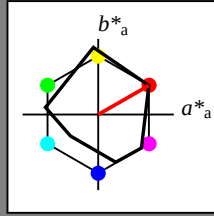
für Buntton $h^* = \text{lab}^*h = 30/360 = 0.083$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

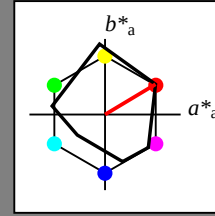
für Buntton $h^* = \text{lab}^*h = 31/360 = 0.086$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TCBa	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*ch	1.0	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*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.75	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	0.25
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*TCBa	75.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*ch	0.75	0.0	-	-	-
lab*nch	0.25	0.0	0.0	0.0	0.75
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.25

relative Inform. Technology (IT)					
olvi3*	0.5	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	0.5
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0	0.0
LAB*TCBa	50.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*ch	0.5	0.0	-	-	-
lab*nch	0.5	0.0	0.0	0.0	0.5
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0	0.0	0.0
lab*nce	0.5	0.0	0.0	0.0	0.5

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	(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	0.25
standard and adapted CIELAB					
LAB*LAB	37.36	0.0	0.0	0.0	0.0
LAB*LABa	37.36	0.0	0.0	0.0	0.0
LAB*TCBa	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*ch	0.25	0.0	-	-	-
lab*nch	0.25	0.0	0.0	0.0	0.25
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.25

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	(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	0.25
standard and adapted CIELAB					
LAB*LAB	37.36	0.0	0.0	0.0	0.0
LAB*LABa	37.36	0.0	0.0	0.0	0.0
LAB*TCBa	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*ch	0.25	0.0	-	-	-
lab*nch	0.25	0.0	0.0	0.0	0.25
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.25

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	(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	0.25
standard and adapted CIELAB					
LAB*LAB	37.36	0.0	0.0	0.0	0.0
LAB*LABa	37.36	0.0	0.0	0.0	0.0
LAB*TCBa	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*ch	0.25	0.0	-	-	-
lab*nch	0.25	0.0	0.0	0.0	0.25
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.25

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	(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	0.25
standard and adapted CIELAB					
LAB*LAB	37.36	0.0	0.0	0.0	0.0
LAB*LABa	37.36	0.0	0.0	0.0	0.0
LAB*TCBa	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*ch	0.25	0.0	-	-	-
lab*nch	0.25	0.0	0.0	0.0	0.25
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.25

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	(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	0.25
standard and adapted CIELAB					
LAB*LAB	37.36	0.0	0.0	0.0	0.0
LAB*LABa	37.36	0.0	0.0	0.0	0.0
LAB*TCBa	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*ch	0.25	0.0	-	-	-
lab*nch	0.25	0.0	0.0	0.0	0.25
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.25

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	(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	0.25
standard and adapted CIELAB					
LAB*LAB	37.36	0.0	0.0	0.0	0.0
LAB*LABa	37.36	0.0	0.0	0.0	0.0
LAB*TCBa	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*ch	0.25	0.0	-	-	-
lab*nch	0.25	0.0	0.0	0.0	0.25
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.25

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	(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	0.25
standard and adapted CIELAB					
LAB*LAB	37.36	0.0	0.0	0.0	0.0
LAB*LABa	37.36	0.0	0.0	0.0	0.0
LAB*TCBa	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*ch	0.25	0.0	-	-	-
lab*nch	0.25	0.0	0.0	0.0	0.25
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.25

 $n^* = 1,0$

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

MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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
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

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

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	0.75	1.0
cmyn4*	0.0	0.25	0.25	0.25	0.0
standard and adapted CIELAB					
LAB*LAB	83.96	16.71	10.0	0.0	0.0
LAB*LABa	83.96	16.69	10.0	0.0	0.0
LAB*TCBa	87.5	19.46	30.93	0.0	0.0
relative CIELAB lab*					
lab*lab	0.852	0.214	0.128	0.086	0.086
lab*ch	0.875	0.25	0.086	0.086	0.086
lab*nch	0.0	0.25	0.086	0.086	0.086
relative Natural Colour (NC)					
lab*trj	0.852	0.248	0.032	0.086	0.086
lab*nce	0.25	0.25	0.02	0.086	0.086

relative CIELAB lab*			
lab*lab	0.852	0.214	0.128
lab*tch	0.875	0.25	0.086
lab*ncH	0.0	0.25	0.086
relative Natural Colour (NC)			
lab*lrj	0.852	0.248	0.032
lab*tce	0.875	0.25	0.02
lab*ncE	0.0	0.25	0.08j

Eingabe: Farbmetrisches Reflexions-System MRS18

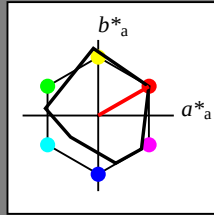
für Buntton $h^* = \text{lab}^*h = 30/360 = 0.083$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS18

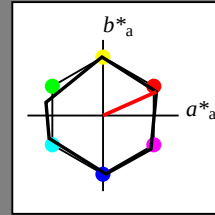
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 0,50$ relative Buntheit c^*

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

Eingabe: Farbmetrisches Reflexions-System MRS18

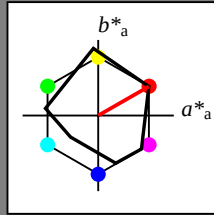
für Buntton $h^* = \text{lab}^*h = 30/360 = 0.083$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

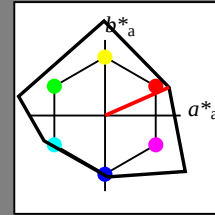
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 0,50$ relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = \text{lab}^*h = 30/360 = 0.083$

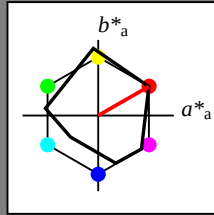
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$

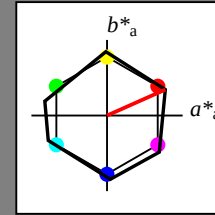
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

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

Eingabe: Farbmetrisches Reflexions-System MRS18

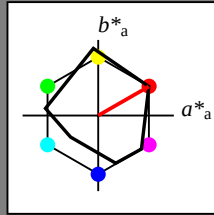
für Buntton $h^* = \text{lab}^*h = 30/360 = 0.083$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

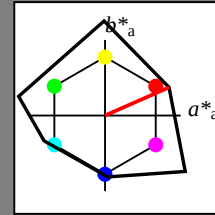
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (rechts)

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 -0.01

LAB*LABa 95.41 0.0 0.0

LAB*TCHa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 -

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 74.31 0.0 0.0

LAB*LABa 74.31 0.0 0.0

LAB*TCHa 75.01 -

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 -

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 -

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 53.21 0.0 0.0

LAB*LABa 53.21 0.0 0.0

LAB*TCHa 50.01 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 -

lab*nch 0.5 0.0 -

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 -

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 32.11 0.0 0.0

LAB*LABa 32.11 0.0 0.0

LAB*TCHa 25.01 -

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 -

lab*nch 0.25 0.0 -

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 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 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 11.01 0.0 0.0

LAB*LABa 11.01 0.0 0.0

LAB*TCHa 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 1.0 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 50.17 42.37 18.64

LAB*LABa 50.17 42.37 18.64

LAB*TCHa 50.0 46.24 23.75

relative CIELAB lab*

lab*lab 0.464 0.458 0.201

lab*tch 0.25 0.5 0.066

lab*nch 0.25 0.5 0.066

relative Natural Colour (NC)

lab*trj 0.464 0.5 0.011

lab*tce 0.25 0.5 0.996

lab*nce 0.25 0.5 0.996

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 38.11 63.53 27.95

LAB*LABa 38.11 63.53 27.95

LAB*TCHa 37.51 69.35 23.75

relative CIELAB lab*

lab*lab 0.321 0.686 0.302

lab*tch 0.375 0.75 0.066

lab*nch 0.25 0.75 0.066

relative Natural Colour (NC)

lab*trj 0.321 0.75 0.017

lab*tce 0.375 0.75 0.996

lab*nce 0.25 0.75 0.996

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 20.04 21.22 9.33

LAB*LABa 20.04 21.22 9.33

LAB*TCHa 12.5 23.11 23.75

relative CIELAB lab*

lab*lab 0.107 0.229 0.101

lab*tch 0.125 0.25 0.066

lab*nch 0.75 0.25 0.066

relative Natural Colour (NC)

lab*trj 0.107 0.25 0.005

lab*tce 0.125 0.25 0.996

lab*nce 0.75 0.25 0.996

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 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.01 0.0 0.0

LAB*LABa 0.01 0.0 0.0

LAB*TCHa 0.01 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 1.0 0.0 -

 $n^* = 1,0$

Eingabe: Farbmetrisches Reflexions-System TRS18

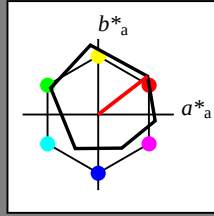
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

TRS18; 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

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $38/360 = 0.105$ (links)

Ausgabe: Farbmetrisches Reflexions-System ORS18

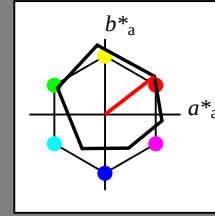
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0
lab*trj	0.0	0.0	0.0	1.0	0.0
lab*tce	0.0	0.0	0.0	0.0	1.0
lab*nce	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
lab*lab	76.06	0.0	0.0	0.0	0.0
lab*tch	0.0	76.06	0.0	0.0	0.0
lab*nch	0.0	0.0	76.06	0.0	0.0
lab*trj	0.0	0.0	0.0	76.06	0.0
lab*tce	0.0	0.0	0.0	0.0	76.06
lab*nce	0.0	0.0	0.0	0.0	0.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*trj	lab^*tce
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.0	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.75	0.0	0.0
lab*trj	0.0	0.0	0.0	0.75	0.0
lab*tce	0.0	0.0	0.0	0.0	0.75
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*tch	0.0	0.5	0.0	0.0	0.0
lab*nch	0.0	0.0	0.5	0.0	0.0
lab*trj	0.0	0.0	0.0	0.5	0.0
lab*tce	0.0	0.0	0.0	0.0	0.5
lab*nce	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
lab*lab	56.71	0.0	0.0	0.0	0.0
lab*tch	0.0	56.71	0.0	0.0	0.0
lab*nch	0.0	0.0	56.71	0.0	0.0
lab*trj	0.0	0.0	0.0	56.71	0.0
lab*tce	0.0	0.0	0.0	0.0	56.71
lab*nce	0.0	0.0	0.0	0.0	0.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*trj	lab^*tce
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*tch	0.0	0.25	0.0	0.0	0.0
lab*nch	0.0	0.0	0.25	0.0	0.0
lab*trj	0.0	0.0	0.0	0.25	0.0
lab*tce	0.0	0.0	0.0	0.0	0.25
lab*nce	0.0	0.0	0.0	0.0	0.0

 $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $38/360 = 0.105$ (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

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

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0
lab*trj	0.0	0.0	0.0	1.0	0.0
lab*tce	0.0	0.0	0.0	0.0	1.0
lab*nce	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
lab*lab	59.81	0.0	0.0	0.0	0.0
lab*tch	0.0	59.81	0.0	0.0	0.0
lab*nch	0.0	0.0	59.81	0.0	0.0
lab*trj	0.0	0.0	0.0	59.81	0.0
lab*tce	0.0	0.0	0.0	0.0	59.81
lab*nce	0.0	0.0	0.0	0.0	0.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*trj	lab^*tce
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*tch	0.0	0.5	0.0	0.0	0.0
lab*nch	0.0	0.0	0.5	0.0	0.0
lab*trj	0.0	0.0	0.0	0.5	0.0
lab*tce	0.0	0.0	0.0	0.0	0.5
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*tch	0.0	0.25	0.0	0.0	0.0
lab*nch	0.0	0.0	0.25	0.0	0.0
lab*trj	0.0	0.0	0.0	0.25	0.0
lab*tce	0.0	0.0	0.0	0.0	0.25
lab*nce	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
lab*lab	47.95	0.0	0.0	0.0	0.0
lab*tch	0.0	47.95	0.0	0.0	0.0
lab*nch	0.0	0.0	47.95	0.0	0.0
lab*trj	0.0	0.0	0.0	47.95	0.0
lab*tce	0.0	0.0	0.0	0.0	47.95
lab*nce	0.0	0.0	0.0	0.0	0.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*trj	lab^*tce
lab*lab	0.387	0.791	0.611	0.0	0.0
lab*tch	0.0	1.0	0.105	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0
lab*trj	0.0	0.0	0.0	1.0	0.0
lab*tce	0.0	0.0	0.0	0.0	1.0
lab*nce	0.0	0.0	0.0	0.0	0.0

 $n^* = 0,00$ $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

relative Buntheit c^*

Eingabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$

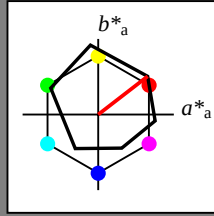
lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



TRS18; 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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $38/360 = 0.105$ (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = \text{lab}^*h = 30/360 = 0.083$

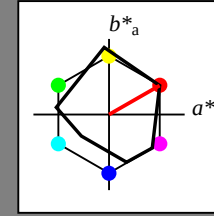
lab^*tch und lab^*nch

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
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

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

Eingabe: Farbmimetrisches Reflexions-System TRS18

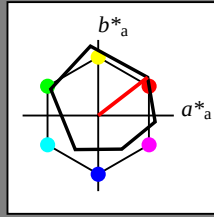
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

TRS18; 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

%Regelartit

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

Ausgabe: Farbmimetrisches Reflexions-System TRS18

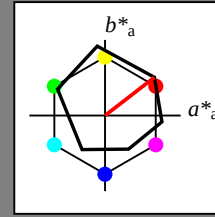
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (rechts)

Eingabe: Farbmimetrisches Reflexions-System TRS18

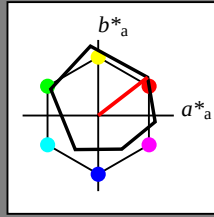
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

TRS18; 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

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18a

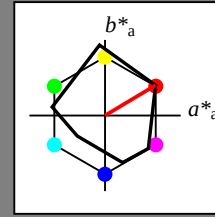
für Buntton $h^* = \text{lab}^*h = 31/360 = 0.086$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 0,50$ relative Buntheit c^*

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

Eingabe: Farbmimetrisches Reflexions-System TRS18

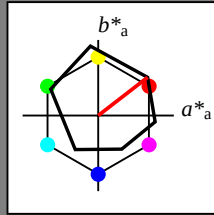
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

TRS18; 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

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $38/360 = 0.105$ (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS18

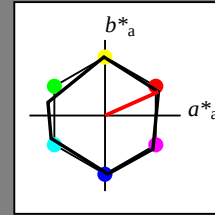
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$ $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $24/360 = 0.067$ (rechts)

Eingabe: Farbmetrisches Reflexions-System TRS18

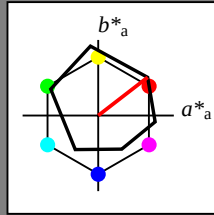
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

TRS18; 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

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

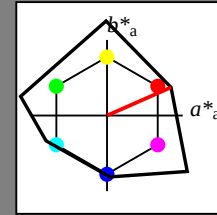
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (rechts)

Eingabe: Farbmimetrisches Reflexions-System TRS18

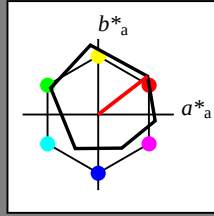
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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TRS18; 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

%Regelartit

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

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Ausgabe: Farbmimetrisches Reflexions-System NRS11

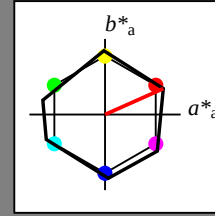
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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%Regelartit

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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%Regelartit

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
CMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regelartit

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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%Regelartit

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Eingabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$

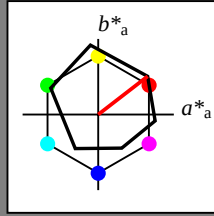
lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

1,00

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0,75

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TRS18; 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
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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

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

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

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Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$

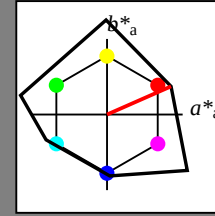
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 149$

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relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
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LAB*LABhx 95.41 0.0 0.0
LAB*LABhy 95.41 0.0 0.0
LAB*LABhz 95.41 0.0 0.0
LAB*LABia 95.41 0.0 0.0
LAB*LABib 95.41 0.0 0.0
LAB*LABic 95.41 0.0 0.0
LAB*LABid 95.41 0.0 0.0
LAB*LABie 95.41 0.0 0.0
LAB*LABif 95.41 0.0 0.0
LAB*LABig 95.41 0.0 0.0
LAB*LABih 95.41 0.0 0.0
LAB*LABii 95.41 0.0 0.0
LAB*LABij 95.41 0.0 0.0
LAB*LABik 95.41 0.0 0.0
LAB*LABil 95.41 0.0 0.0
LAB*LABim 95.41 0.0 0.0
LAB*LABin 95.41 0.0 0.0
LAB*LABio 95.41 0.0 0.0
LAB*LABip 95.41 0.0 0.0
LAB*LABiq 95.41 0.0 0.0
LAB*LABir 95.41 0.0 0.0
LAB*LABis 95.41 0.0 0.0
LAB*LABit 95.41 0.0 0.0
LAB*LABiu 95.41 0.0 0.0
LAB*LABiv 95.41 0.0 0.0
LAB*LABiw 95.41 0.0 0.0
LAB*LABix 95.41 0.0 0.0
LAB*LABiy 95.41 0.0 0.0
LAB*LABiz 95.41 0.0 0.0
LAB*LABja 95.41 0.0 0.0
LAB*LABjb 95.41 0.0 0.0
LAB*LABjc 95.41 0.0 0.0
LAB*LABjd 95.41 0.0 0.0
LAB*LABje 95.41 0.0 0.0
LAB*LABjf 95.41 0.0 0.0
LAB*LABjg 95.41 0.0 0.0
LAB*LABjh 95.41 0.0 0.0
LAB*LABji 95.41 0.0 0.0
LAB*LABjj 95.41 0.0 0.0
LAB*LABjk 95.41 0.0 0.0
LAB*LABjl 95.41 0.0 0.0
LAB*LABjm 95.41 0.0 0.0
LAB*LABjn 95.41 0.0 0.0
LAB*LABjo 95.41 0.0 0.0
LAB*LABjp 95.41 0.0 0.0
LAB*LABjq 95.41 0.0 0.0
LAB*LABjr 95.41 0.0 0.0
LAB*LABjs 95.41 0.0 0.0
LAB*LABjt 95.41 0.0 0.0
LAB*LABju 95.41 0.0 0.0
LAB*LABjv 95.41 0.0 0.0
LAB*LABjw 95.41 0.0 0.0
LAB*LABjx 95.41 0.0 0.0
LAB*LABjy 95.41 0.0 0.0
LAB*LABjz 95.41 0.0 0.0
LAB*LABka 95.41 0.0 0.0
LAB*LABkb 95.41 0.0 0.0
LAB*LABkc 95.41 0.0 0.0
LAB*LABkd 95.41 0.0 0.0
LAB*LABke 95.41 0.0 0.0
LAB*LABkf 95.41 0.0 0.0
LAB*LABkg 95.41 0.0 0.0
LAB*LABkh 95.41 0.0 0.0
LAB*LABki 95.41 0.0 0.0
LAB*LABkj 95.41 0.0 0.0
LAB*LABkl 95.41 0.0 0.0
LAB*LABkm 95.41 0.0 0.0
LAB*LABkn 95.41 0.0 0.0
LAB*LABko 95.41 0.0 0.0
LAB*LABkp 95.41 0

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

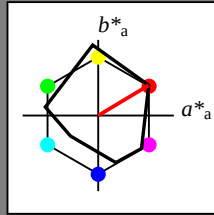
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%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
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^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System ORS18

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

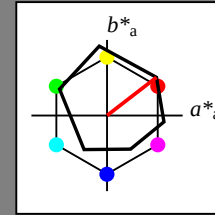
lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%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
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^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (rechts)

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 31/360 = 0.086 (links)

Eingabe: Farbmetrisches Reflexions-System MRS18a

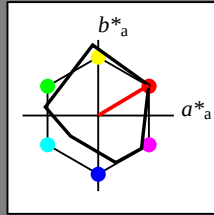
für Buntton $h^* = \text{lab}^*h = 31/360 = 0.086$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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
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

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 31/360 = 0.086 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

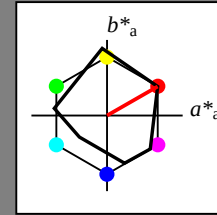
für Buntton $h^* = \text{lab}^*h = 30/360 = 0.083$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

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

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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

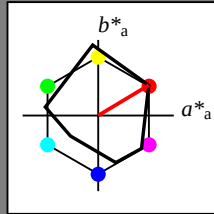
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 31/360 = 0.086 (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

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

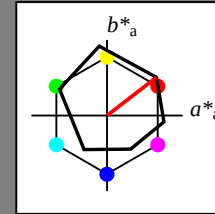
lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

TRS18; 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
CLMa	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

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

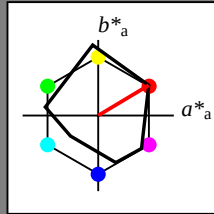
lab^*tch und lab^*nch

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 31/360 = 0.086 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

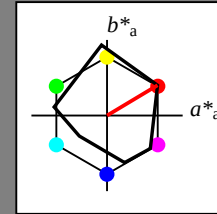
lab^*tch und lab^*nch

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,50$

$n^* = 1,0$

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

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

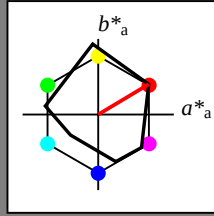
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	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
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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 31/360 = 0.086 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 24/360 = 0.067$

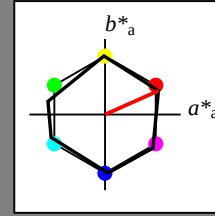
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,50$

$n^* = 1,0$

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

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

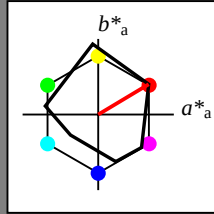
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	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
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

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 31/360 = 0.086 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 24/360 = 0.066$

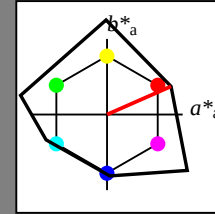
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-	-
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	1.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0	0.0	0.0
lab*tce	0.0	1.0	0.0	0.0	0.0
lab*nce	0.0	0.0	1.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.07	0.0	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-	-
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	0.0	0.75	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	0.0	0.0
lab*tce	0.0	0.75	0.0	0.0	0.0
lab*nce	0.0	0.0	0.75	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	63.99	0.0	0.0	0.0	0.0
LAB*TCRa	63.99	0.01	-	-	-
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	0.0	0.5	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0	0.0	0.0
lab*tce	0.0	0.5	0.0	0.0	0.0
lab*nce	0.0	0.0	0.5	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	56.72	0.0	0.0	0.0	0.0
LAB*TCRa	56.72	0.01	-	-	-
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	0.0	0.25	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	0.0	0.0
lab*tce	0.0	0.25	0.0	0.0	0.0
lab*nce	0.0	0.0	0.25	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	44.64	0.0	0.0	0.0	0.0
LAB*TCRa	44.64	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.125	0.0	0.0	0.0	0.0
lab*tch	0.125	0.0	0.0	0.0	0.0
lab*nch	0.0	0.125	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.125	0.0	0.0	0.0	0.0
lab*tce	0.0	0.125	0.0	0.0	0.0
lab*nce	0.0	0.0	0.125	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	37.37	0.0	0.0	0.0	0.0
LAB*TCRa	37.37	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0625	0.0	0.0	0.0	0.0
lab*tch	0.0625	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0625	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0625	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0625	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0625	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	30.57	0.0	0.0	0.0	0.0
LAB*TCRa	30.57	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.03125	0.0	0.0	0.0	0.0
lab*tch	0.03125	0.0	0.0	0.0	0.0
lab*nch	0.0	0.03125	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.03125	0.0	0.0	0.0	0.0
lab*tce	0.0	0.03125	0.0	0.0	0.0
lab*nce	0.0	0.0	0.03125	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	25.0	0.0	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.015625	0.0	0.0	0.0	0.0
lab*tch	0.015625	0.0	0.0	0.0	0.0
lab*nch	0.0	0.015625	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.015625	0.0	0.0	0.0	0.0
lab*tce	0.0	0.015625	0.0	0.0	0.0
lab*nce	0.0	0.0	0.015625	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	18.02	0.0	0.0	0.0	0.0
LAB*TCRa	18.02	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0078125	0.0	0.0	0.0	0.0
lab*tch	0.0078125	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0078125	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0078125	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0078125	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0078125	0.0	0.0

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (rechts)

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	83.34	0.0	0.0	0.0	0.0
LAB*TCRa	83.34	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.844	0.0	0.0	0.0	0.0
lab*tch	0.844	0.0	0.0	0.0	0.0
lab*nch	0.0	0.844	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.844	0.0	0.0	0.0	0.0
lab*tce	0.0	0.844	0.0	0.0	0.0
lab*nce	0.0	0.0	0.844	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	71.27	0.0	0.0	0.0	0.0
LAB*TCRa	71.27	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.688	0.0	0.0	0.0	0.0
lab*tch	0.688	0.0	0.0	0.0	0.0
lab*nch	0.0	0.688	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.688	0.0	0.0	0.0	0.0
lab*tce	0.0	0.688	0.0	0.0	0.0
lab*nce	0.0	0.0	0.688	0.0	0.0

relative Inform. Technology (IT)				
<i>olvi3*</i>	0.75	0.5	0.5	(1.0)
<i>cmyrn3*</i>	0.25	0.5	0.5	(0.0)
<i>olvi4*</i>	1.0	0.75	0.75	0.75
<i>cmyrn4*</i>	0.0	0.25	0.25	0.25
standard and adapted CIELAB				
LAB*LAB	63.99	21.2	9.32	
LAB*LABa	63.99	21.16	9.31	
LAB*TCHa	62.5	23.12	23.75	

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

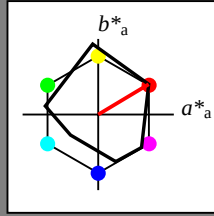
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%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
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^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 31/360 = 0.086 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 24/360 = 0.067$

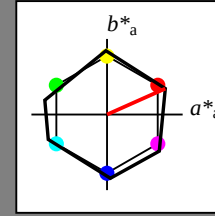
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

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

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = \text{lab}^*h = 31/360 = 0.086$

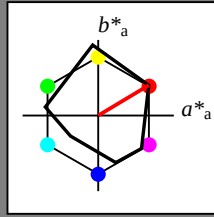
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 92$

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
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

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$

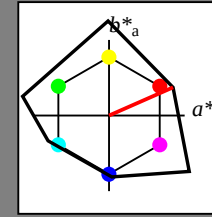
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 149$

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,\text{rel}} = 46$

$g^*_{C,\text{rel}} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 31/360 = 0.086 (links)

5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

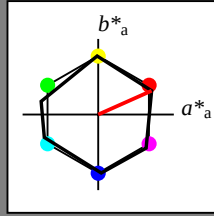
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $24/360 = 0.067$ (links)

Ausgabe: Farbmetrisches Reflexions-System ORS18

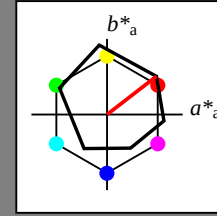
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* 5 stufige Reihen für konstanten CIELAB Buntton $38/360 = 0.105$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$

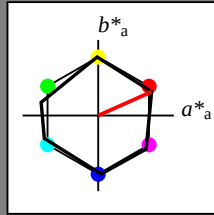
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.067 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = \text{lab}^*h = 30/360 = 0.083$

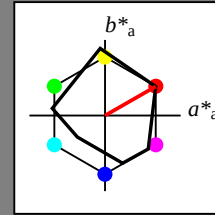
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	4.75	
LAB*LABa	95.41	0.0	0.0		
LAB*TCRa	99.99	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		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*TCRa	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		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.7	0.0	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*TCRa	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		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.0	0.83		
LAB*LABa	37.36	0.0	0.0		
LAB*TCRa	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		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.75	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCRa	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		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

$n^* = 1,0$

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

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

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

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

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	0.75	(1.0)	
cmyn3*	0.0	0.25	0.25	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	83.96	15.97	13.58		
LAB*LABa	83.96	16.73	9.59		
LAB*TCRa	87.5	19.29	29.82		

relative CIELAB lab*					
lab*lab	0.852	0.217	0.124		
lab*tch	0.875	0.25	0.083		
lab*nch	0.0	0.25	0.083		
relative Natural Colour (NC)					
lab*trj	0.852	0.248	0.03		
lab*tce	0.25	0.25	0.019		
lab*nce	0.0	0.25	0.07		

relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.5	(1.0)	
cmyn3*	0.25	0.5	0.5	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	64.61	16.35	12.27		
LAB*LABa	64.61	16.74	9.59		
LAB*TCRa	62.5	19.29	29.82		

relative CIELAB lab*					
lab*lab	0.602	0.217	0.124		
lab*tch	0.625	0.25	0.083		
lab*nch	0.25	0.25	0.083		
relative Natural Colour (NC)					
lab*trj	0.602	0.248	0.03		
lab*tce	0.25	0.25	0.019		
lab*nce	0.25	0.25	0.07		

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.25	(1.0)	
cmyn3*	0.5	0.25	0.25	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.17	33.31	21.09		
LAB*LABa	53.17	33.48	19.19		
LAB*TCRa	50.0	38.59	29.82		

relative CIELAB lab*					
lab*lab	0.454	0.434	0.249		
lab*tch	0.454	0.434	0.249		
lab*nch	0.25	0.5	0.083		
relative Natural Colour (NC)					
lab*trj	0.454	0.496	0.06		
lab*tce	0.25	0.5	0.019		
lab*nce	0.25	0.5	0.07		

relative Inform. Technology (IT)					
olvi3*	0.5	0.0	0.0	(1.0)	
cmyn3*	0.5	1.0	1.0	(0.0)	
olvi4*	1.0	0.5	0.5	(1.0)	
cmyn4*	0.0	0.5	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	33.82	33.67	19.79		
LAB*LABa	33.82	33.47	19.18		
LAB*TCRa	25.01	38.59	29.82		

Eingabe: Farbmetrisches Reflexions-System NRS18

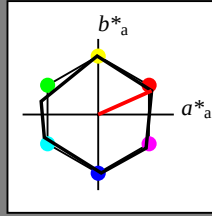
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $24/360 = 0.067$ (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

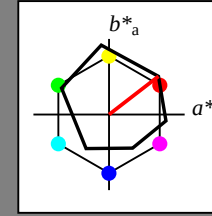
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TC_{Ma} 99.99 0.01 -

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 0.0 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TC_{Ma} 75.01 -

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 0.0 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TC_{Ma} 50.01 -

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 0.0 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TC_{Ma} 25.01 -

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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ma} 0.01 -

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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.75 0.75 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 83.54 15.58 16.58
LAB*LABa 83.54 16.34 12.62
LAB*TC_{Ma} 87.5 20.65 37.7

relative Inform. Technology (IT)
olvi3* 0.847 0.198 0.153
lab*lab 0.875 0.25 0.105
lab*nch 0.0 0.25 0.105
cmyn4* 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.847 0.25 0.105
lab*nce 0.875 0.25 0.105
lab*nch 0.0 0.25 0.105

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 64.19 15.36 15.28
LAB*LABa 64.19 16.34 12.63
LAB*TC_{Ma} 62.5 20.65 37.7

relative Inform. Technology (IT)
olvi3* 0.597 0.198 0.153
lab*lab 0.625 0.25 0.105
lab*nch 0.25 0.25 0.105
cmyn4* 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.597 0.25 0.105
lab*nce 0.625 0.25 0.105
lab*nch 0.25 0.25 0.105

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 44.84 16.33 13.98
LAB*LABa 44.84 16.34 12.63
LAB*TC_{Ma} 37.5 20.65 37.7

relative Inform. Technology (IT)
olvi3* 0.347 0.198 0.153
lab*lab 0.375 0.25 0.105
lab*nch 0.5 0.25 0.105
cmyn4* 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.347 0.25 0.105
lab*nce 0.375 0.25 0.105
lab*nch 0.5 0.25 0.105

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 25.5 16.7 12.67
LAB*LABa 25.5 16.34 12.62
LAB*TC_{Ma} 12.5 20.65 37.7

relative Inform. Technology (IT)
olvi3* 0.097 0.198 0.153
lab*lab 0.125 0.25 0.105
lab*nch 0.75 0.25 0.105
cmyn4* 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.097 0.25 0.105
lab*nce 0.125 0.25 0.105
lab*nch 0.75 0.25 0.105

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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 71.67 32.15 28.41
LAB*LABa 71.67 32.68 25.25
LAB*TC_{Ma} 75.01 41.3 37.7

relative Inform. Technology (IT)
olvi3* 0.693 0.396 0.306
lab*lab 0.75 0.25 0.105
lab*nch 0.0 0.25 0.105
cmyn4* 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.693 0.25 0.105
lab*nce 0.75 0.25 0.105
lab*nch 0.0 0.25 0.105

relative Inform. Technology (IT)
olvi3* 0.54 0.25 0.25 (1.0)
cmyn3* 0.54 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 59.81 48.72 40.24
LAB*LABa 59.81 49.02 37.88
LAB*TC_{Ma} 62.5 61.95 37.7

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 52.33 32.63 27.11
LAB*LABa 52.33 32.69 25.26
LAB*TC_{Ma} 50.01 41.3 37.7

relative Inform. Technology (IT)
olvi3* 0.443 0.396 0.306
lab*lab 0.443 0.25 0.105
lab*nch 0.25 0.25 0.105
cmyn4* 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.443 0.25 0.105
lab*nce 0.443 0.25 0.105
lab*nch 0.25 0.25 0.105

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 1.0 1.0 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 32.98 32.9 25.8
LAB*LABa 32.98 32.68 25.25
LAB*TC_{Ma} 25.01 41.3 37.7

relative Inform. Technology (IT)
olvi3* 0.193 0.396 0.306
lab*lab 0.25 0.25 0.105
lab*nch 0.5 0.25 0.105
cmyn4* 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.193 0.25 0.105
lab*nce 0.25 0.25 0.105
lab*nch 0.5 0.25 0.105

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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.25 0.25 (1.0)
cmyn3* 0.0 0.75 0.75 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 47.95 65.29 52.06
LAB*LABa 47.95 65.36 50.51
LAB*TC_{Ma} 50.01 62.5 37.7

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 47.95 65.29 52.06
LAB*LABa 47.95 65.36 50.51
LAB*TC_{Ma} 50.01 62.5 37.7

relative Inform. Technology (IT)
olvi3* 1.0 0.25 0.25 (1.0)
cmyn3* 0.0 0.75 0.75 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 47.95 65.29 52.06
LAB*LABa 47.95 65.36 50.51
LAB*TC_{Ma} 50.01 62.5 37.7

relative Inform. Technology (IT)
olvi3* 1.0 0.0 0.0 (1.0)
cmyn3* 0.0 1.0 1.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.95 65.29 52.06
LAB*LABa 47.95 65.36 50.51
LAB*TC_{Ma} 50.01 62.5 37.7

relative Inform. Technology (IT)
olvi3* 0.387 0.791 0.611
lab*lab 0.5 1.0 1.0 (0.0)
lab*nch 0.5 1.0 1.0 (0.0)
cmyn4* 0.0 1.0 1.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.387 0.791 0.611
lab*nce 0.5 1.0 1.0 (0.0)
lab*nch 0.5 1.0 1.0 (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 0.25 0.25 (1.0)
cmyn4* 0.0 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TC_{Ma} 25.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TC_{Ma} 25.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TC_{Ma} 25.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 1.0 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TC_{Ma} 25.01 -

%Regularität

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 0,50$

0,25

0,50

0,75

1,00

relative Buntheit c^* 5 stufige Reihen für konstanten CIELAB Buntton $38/360 = 0.105$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 24/360 = 0.067$

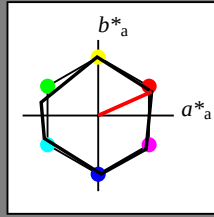
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.067 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

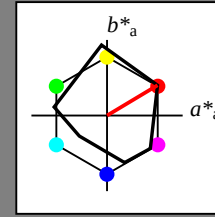
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

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

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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

Eingabe: Farbmetrisches Reflexions-System NRS18

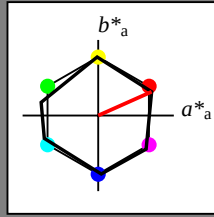
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.067 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS18

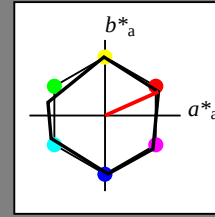
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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	56.7	70.66	31.47	77.35	24
LAB*LABa	56.7	70.66	31.47	77.35	24
LAB*LABb	56.7	70.66	31.47	77.35	24
LAB*LABc	56.7	70.66	31.47	77.35	24
LAB*LABd	56.7	70.66	31.47	77.35	24
LAB*LABe	56.7	70.66	31.47	77.35	24
LAB*LABf	56.7	70.66	31.47	77.35	24
LAB*LABg	56.7	70.66	31.47	77.35	24
LAB*LABh	56.7	70.66	31.47	77.35	24
LAB*LABi	56.7	70.66	31.47	77.35	24
LAB*LABj	56.7	70.66	31.47	77.35	24
LAB*LABk	56.7	70.66	31.47	77.35	24
LAB*LABl	56.7	70.66	31.47	77.35	24
LAB*LABm	56.7	70.66	31.47	77.35	24
LAB*LABn	56.7	70.66	31.47	77.35	24
LAB*LABo	56.7	70.66	31.47	77.35	24
LAB*LABp	56.7	70.66	31.47	77.35	24
LAB*LABq	56.7	70.66	31.47	77.35	24
LAB*LABr	56.7	70.66	31.47	77.35	24
LAB*LABs	56.7	70.66	31.47	77.35	24
LAB*LABt	56.7	70.66	31.47	77.35	24
LAB*LABu	56.7	70.66	31.47	77.35	24
LAB*LABv	56.7	70.66	31.47	77.35	24
LAB*LABw	56.7	70.66	31.47	77.35	24
LAB*LABx	56.7	70.66	31.47	77.35	24
LAB*LABy	56.7	70.66	31.47	77.35	24
LAB*LABz	56.7	70.66	31.47	77.35	24
relative CIELAB lab*					
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*tch	0.75	0.75	0.75	0.75	0.75
lab*nch	0.75	0.75	0.75	0.75	0.75
lab*trj	0.75	0.75	0.75	0.75	0.75
lab*tce	0.75	0.75	0.75	0.75	0.75
lab*nce	0.75	0.75	0.75	0.75	0.75
relative Natural Colour (NC)					
lab*trj	0.75	0.75	0.75	0.75	0.75
lab*tce	0.75	0.75	0.75	0.75	0.75
lab*nce	0.75	0.75	0.75	0.75	0.75

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	56.7	70.66	31.47	77.35	24
LAB*LABa	56.7	70.66	31.47	77.35	24
LAB*LABb	56.7	70.66	31.47	77.35	24
LAB*LABc	56.7	70.66	31.47	77.35	24
LAB*LABd	56.7	70.66	31.47	77.35	24
LAB*LABe	56.7	70.66	31.47	77.35	24
LAB*LABf	56.7	70.66	31.47	77.35	24
LAB*LABg	56.7	70.66	31.47	77.35	24
LAB*LABh	56.7	70.66	31.47	77.35	24
LAB*LABi	56.7	70.66	31.47	77.35	24
LAB*LABj	56.7	70.66	31.47	77.35	24
LAB*LABk	56.7	70.66	31.47	77.35	24
LAB*LABl	56.7	70.66	31.47	77.35	24
LAB*LABm	56.7	70.66	31.47	77.35	24
LAB*LABn	56.7	70.66	31.47	77.35	24
LAB*LABo	56.7	70.66	31.47	77.35	24
LAB*LABp	56.7	70.66	31.47	77.35	24
LAB*LABq	56.7	70.66	31.47	77.35	24
LAB*LABr	56.7	70.66	31.47	77.35	24
LAB*LABs	56.7	70.66	31.47	77.35	24
LAB*LABt	56.7	70.66	31.47	77.35	24
LAB*LABu	56.7	70.66	31.47	77.35	24
LAB*LABv	56.7	70.66	31.47	77.35	24
LAB*LABw	56.7	70.66	31.47	77.35	24
LAB*LABx	56.7	70.66	31.47	77.35	24
LAB*LABy	56.7	70.66	31.47	77.35	24
LAB*LABz	56.7	70.66	31.47	77.35	24
relative CIELAB lab*					
lab*lab	0.5	0.5	0.5	0.5	0.5
lab*tch	0.5	0.5	0.5	0.5	0.5
lab*nch	0.5	0.5	0.5	0.5	0.5
lab*trj	0.5	0.5	0.5	0.5	0.5
lab*tce	0.5	0.5	0.5	0.5	0.5
lab*nce	0.5	0.5	0.5	0.5	0.5
relative Natural Colour (NC)					
lab*trj	0.5	0.5	0.5	0.5	0.5
lab*tce	0.5	0.5	0.5	0.5	0.5
lab*nce	0.5	0.5	0.5	0.5	0.5

 $n^* = 1,0$

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

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	0.75	1.0	1.0
cmyn3*	0.0	0.25	0.25	0.0	0.0
olvi4*	1.0	0.75	0.75	1.0	1.0
cmyn4*	0.0	0.25	0.25	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	56.7	70.66	31.47	77.35	24
LAB*LABa	56.7	70.66	31.47	77.35	24
LAB*LABb	56.7	70.66	31.47	77.35	24
LAB*LABc	56.7	70.66	31.47	77.35	24
LAB*LABd	56.7	70.66	31.47	77.35	24
LAB*LABe	56.7	70.66	31.47	77.35	24
LAB*LABf	56.7	70.66	31.47	77.35	24
LAB*LABg	56.7	70.66	31.47	77.35	24
LAB*LABh	56.7	70.66	31.47	77.35	24
LAB*LABi	56.7	70.66	31.47	77.35	24
LAB*LABj	56.7	70.66	31.47	77.35	24
LAB*LABk	56.7	70.66	31.47	77.35	24
LAB*LABl	56.7	70.66	31.47	77.35	24
LAB*LABm	56.7	70.66	31.47	77.35	24
LAB*LABn	56.7	70.66	31.47	77.35	24
LAB*LABo	56.7	70.66	31.47	77.35	24
LAB*LABp	56.7	70.66	31.47	77.35	24
LAB*LABq	56.7	70.66	31.47	77.35	24
LAB*LABr	56.7	70.66	31.47	77.35	24
LAB*LABs	56.7	70.66	31.47	77.35	24
LAB*LABt	56.7	70.66	31.47	77.35	24
LAB*LABu	56.7	70.66	31.47	77.35	24
LAB*LABv	56.7	70.66	31.47	77.35	24
LAB*LABw	56.7	70.66	31.47	77.35	24
LAB*LABx	56.7	70.66	31.47	77.35	24
LAB*LABy	56.7	70.66	31.47	77.35	24
LAB*LABz	56.7	70.66	31.47	77.35	24
relative CIELAB lab*					
lab*lab	0.875	0.228	0.102	0.067	0.067
lab*tch	0.875	0.228	0.102	0.067	0.067
lab*nch	0.875	0.228	0.102	0.067	0.067
lab*trj	0.875	0.228	0.102	0.067	0.067
lab*tce	0.875	0.228	0.102	0.067	0.067
lab*nce	0.875	0.228	0.102	0.067	0.067
relative Natural Colour (NC)					
lab*trj	0.875	0.228	0.102	0.067	0.067
lab*tce	0.875	0.228	0.102	0.067	0.067
lab*nce	0.875	0.228	0.102	0.067	0.067

relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.5	0.75	1.0
cmyn3*	0.25	0.5	0.5	0.25	0.0
olvi4*	1.0	0.75	0.75	0.75	0.75
cmyn4*	0.0	0.25	0.25	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	66.38	17.71	7.88		
LAB*LABa	66.38	17.66	7.87		
LAB*LABb	66.38	22.34	24.01		
relative CIELAB lab*					
lab*lab	0.625	0.228	0.102		
lab*tch	0.625	0.25	0.067		
lab*tnch	0.25	0.25	0.067		
relative Natural Colour (NC)					
lab*lrj	0.625	0.25	-0.004		
lab*tce	0.625	0.25	0.007		
lab*nce	0.25	0.25	0.098		

Eingabe: Farbmetrisches Reflexions-System NRS18

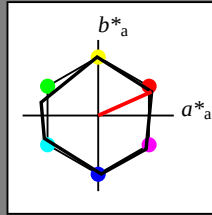
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $24/360 = 0.067$ (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

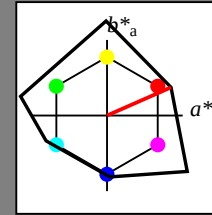
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $24/360 = 0.066$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 24/360 = 0.067$

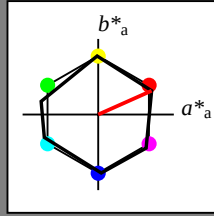
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.067 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 24/360 = 0.067$

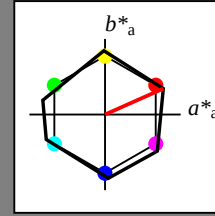
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	53.2	77.06	34.32	84.36	24	
JMa	53.2	-1.51	84.38	84.39	91	
GMa	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	4.37	-84.28	84.41	273	
B50R _{Ma}	53.2	69.09	-48.41	84.37	325	
NMa	10.99	0.0	0.0	0.0	0	
WMa	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

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

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 24/360 = 0.067$

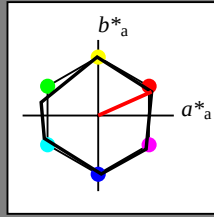
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 24/360 = 0.066$

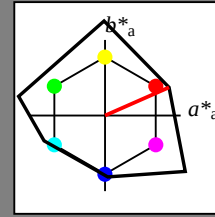
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
R _{Ma}	47.15	84.64	37.25	92.48	24	
J _{Ma}	91.37	-1.27	125.03	125.03	91	
G _{Ma}	63.07	-114.28	25.35	117.06	167	
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203	
B _{Ma}	49.01	3.65	-81.19	81.28	273	
B50R _{Ma}	44.06	106.09	-73.93	129.32	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.067 (links)

5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

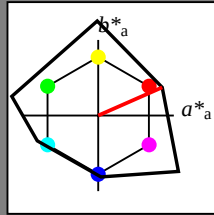
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$ $n^* = 0,00$ $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$ $n^* = 1,0$ relative Buntheit c^*

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

Ausgabe: Farbmetrisches Reflexions-System ORS18

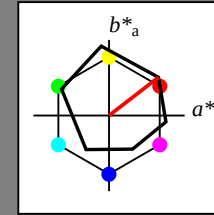
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

%Regularität

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$ $n^* = 0,00$ $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$ relative Buntheit c^*

ORS18; adaptierte CIELAB-Daten

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

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (links)

5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$

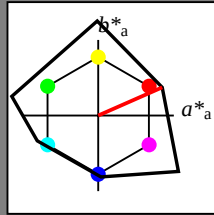
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

%Regelartit

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = \text{lab}^*h = 30/360 = 0.083$

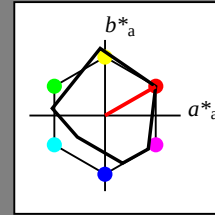
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	4.75	
LAB*LABa	95.41	0.0	0.0		
LAB*TCRa	99.99	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		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*TCRa	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		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*TCRa	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		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.0	0.83		
LAB*LABa	37.36	0.0	0.0		
LAB*TCRa	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		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.75	0.0	0.0		
lab*nce	0.75	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	45.26	0.0	10.97		
LAB*LABa	45.26	0.0	0.0		
LAB*TCRa	37.5	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		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.75	0.0	0.0		
lab*nce	0.75	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	33.82	0.0	19.79		
LAB*LABa	33.82	0.0	0.0		
LAB*TCRa	25.01	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		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.75	0.0	0.0		
lab*nce	0.75	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	25.92	0.0	9.66		
LAB*LABa	25.92	0.0	0.0		
LAB*TCRa	12.5	0.01	-		
relative CIELAB lab*					
lab*lab	0.102	0.217	0.124		
lab*tch	0.125	0.25	0.083		
lab*nch	0.75	0.25	0.083		
relative Natural Colour (NC)					
lab*trj	0.102	0.248	0.03		
lab*tce	0.125	0.25	0.019		
lab*nce	0.75	0.25	0.01		

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*LABa	18.02	0.0	0.0		
LAB*TCRa	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		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

$n^* = 1,0$

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

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

%Regelartit

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

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

relative Inform. Technology (IT)				
olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	1.0
cmyn4*	0.0	0.25	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	83.96	15.97	13.58	
LAB*LABa	83.96	16.73	9.59	

Eingabe: Farbmetrisches Reflexions-System NCS18

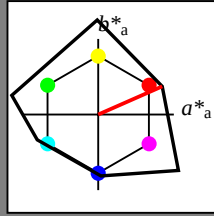
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $24/360 = 0.066$ (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

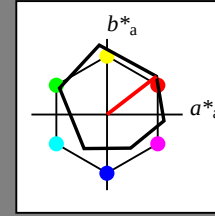
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^* 5 stufige Reihen für konstanten CIELAB Buntton $38/360 = 0.105$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

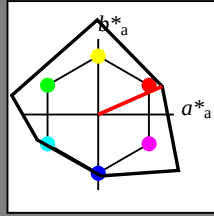
für Buntton $h^* = lab^*h = 24/360 = 0.066$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

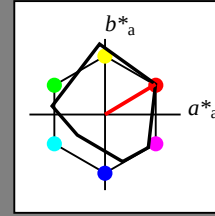
für Buntton $h^* = lab^*h = 31/360 = 0.086$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 92$

1,00

0,75

%Regularität

 $g^*_{H,rel} = 42$ $g^*_{C,rel} = 49$ $n^* = 0,00$ $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 0,50$ relative Buntheit c^*

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

Eingabe: Farbmetrisches Reflexions-System NCS18

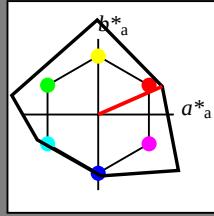
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS18

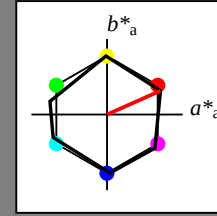
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*ch	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*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	76.07	0.0	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*ch	0.75	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	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	56.7	0.0	0.0	0.0	0.0
LAB*LABa	56.7	0.0	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*ch	0.5	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	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	37.37	0.07	0.01	-	-
LAB*LABa	37.37	0.0	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*ch	0.25	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	0.25	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*	0.0	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	0.09	0.02	-	-
LAB*LABa	18.02	0.0	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*ch	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*nce	1.0	0.0	0.0	0.0	0.0

 $n^* = 1,0$

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

NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$ relative Buntheit c^* $n^* = 1,0$

Eingabe: Farbmetrisches Reflexions-System NCS18

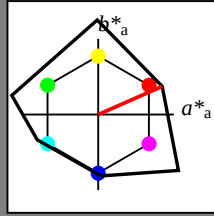
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

%Regularität

 $g^*_{\text{H,rel}} = 46$ $g^*_{\text{C,rel}} = 65$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

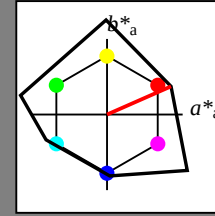
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

%Regularität

 $g^*_{\text{H,rel}} = 46$ $g^*_{\text{C,rel}} = 65$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$ relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$

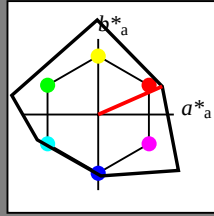
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,\text{rel}} = 46$

$g^*_{C,\text{rel}} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$

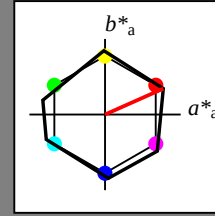
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,\text{rel}} = 47$

$g^*_{C,\text{rel}} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

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

5 stufige Reihen für konstanten CIELAB Buntton $24/360 = 0.066$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System NRS11

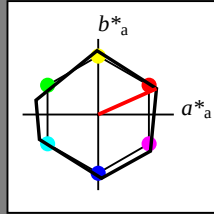
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $24/360 = 0.067$ (links)

Ausgabe: Farbmimetrisches Reflexions-System ORS18

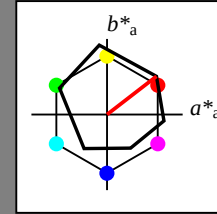
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

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

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* 5 stufige Reihen für konstanten CIELAB Buntton $38/360 = 0.105$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

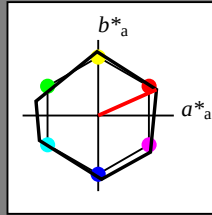
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.067 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

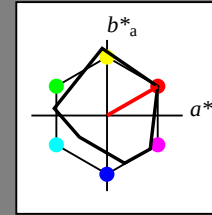
für Buntton $h^* = \text{lab}^*h = 30/360 = 0.083$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 -

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 0.0 0.0
LAB*LABa 76.06 0.0 0.0
LAB*TCBa 75.01 -

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 64.61 16.35 12.27
LAB*LABa 64.61 16.74 9.59
LAB*TCBa 62.5 19.29 29.82

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 56.71 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCBa 50.0 0.01 -

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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCBa 25.0 0.01 -

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*LABa 37.36 0.0 0.0
LAB*TCBa 25.0 0.01 -

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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.0 0.0
LAB*TCBa 0.01 0.01 -

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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.0 0.0
LAB*TCBa 0.01 0.01 -

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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.0 0.0
LAB*TCBa 0.01 0.01 -

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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.0 0.0
LAB*TCBa 0.01 0.01 -

 $n^* = 1,0$

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

Eingabe: Farbmetrisches Reflexions-System NRS11

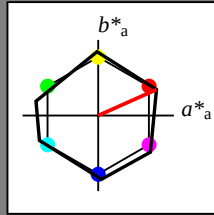
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $24/360 = 0.067$ (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

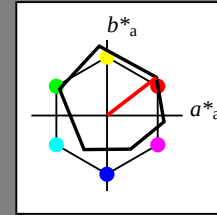
für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$ relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 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 0.0 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCRa 75.01 -relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 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*LABa 56.71 0.0 0.0
LAB*TCRa 50.01 -relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 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*LABa 37.36 0.0 0.0
LAB*TCRa 25.01 -relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.75 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 - $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $38/360 = 0.105$ (rechts)

TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 0,50$ relative Buntheit c^*

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 24/360 = 0.067$

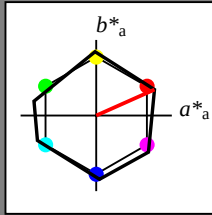
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
R _{Ma}	53.2	77.06	34.32	84.36	24	
J _{Ma}	53.2	-1.51	84.38	84.39	91	
G _{Ma}	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	4.37	-84.28	84.41	273	
B50R _{Ma}	53.2	69.09	-48.41	84.37	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
J _{CIE}	81.26	-2.9	71.56	71.62	92	
G _{CIE}	52.23	-42.45	13.59	44.59	162	
B _{CIE}	30.57	1.35	-46.48	46.51	272	

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.067 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

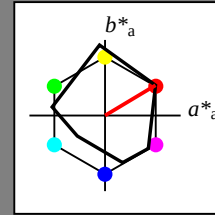
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
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	
RCIE	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	

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 0,50$

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

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 24/360 = 0.067$

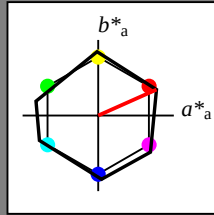
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.067 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 24/360 = 0.067$

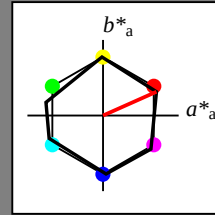
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 57 77 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

1,00

0,75

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

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

5 stufige Reihen für konstanten CIELAB Buntton $24/360 = 0.066$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System NRS11

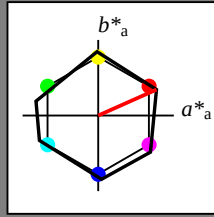
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.067 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

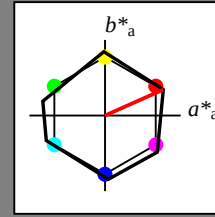
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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	0.0	0.0	-0.01	-
LAB*LABa	95.41	0.0	0.0	-	-
LAB*TC _{Ma}	99.99	0.01	-	-	-
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*trj	1.0	0.0	0.0	-	-
lab*tce	0.0	0.0	-	-	-
lab*nce	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	74.31	0.0	0.0	-	-
LAB*LABa	74.31	0.0	0.0	-	-
LAB*TC _{Ma}	75.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	-	-
lab*tch	0.75	0.0	-	-	-
lab*nch	0.25	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	-	-
lab*tce	0.25	0.0	-	-	-
lab*nce	0.25	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	11.01	0.0	0.0	-	-
LAB*LABa	11.01	0.0	0.0	-	-
LAB*TC _{Ma}	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	-	-
lab*tch	0.0	0.0	-	-	-
lab*nch	1.0	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	-	-
lab*tce	0.0	0.0	-	-	-
lab*nce	1.0	0.0	-	-	-

 $n^* = 1,0$

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

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	0.75	0.75	0.75
cmyn3*	0.0	0.25	0.25	0.25	0.25
olvi4*	1.0	0.75	0.75	1.0	1.0
cmyn4*	0.0	0.25	0.25	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	84.85	19.28	8.58	-	-
LAB*LABa	84.85	19.28	8.58	-	-
LAB*TC _{Ma}	87.5	21.08	24.01	-	-
relative CIELAB lab*					
lab*lab	0.875	0.228	0.102	-	-
lab*tch	0.875	0.25	0.067	-	-
lab*nch	0.0	0.25	0.067	-	-
relative Natural Colour (NC)					
lab*trj	0.875	0.25	0.067	-	-
lab*tce	0.0	0.25	0.997	-	-
lab*nce	0.0	0.25	0.997	-	-

relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.5	0.5	0.5
cmyn3*	0.25	0.5	0.5	0.5	0.5
olvi4*	1.0	0.75	0.75	0.75	0.75
cmyn4*	0.0	0.25	0.25	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	63.75	13.3	8.59	-	-
LAB*LABa	63.75	13.3	8.59	-	-
LAB*TC _{Ma}	62.5	21.09	24.01	-	-
relative CIELAB lab*					
lab*lab	0.625	0.228	0.102	-	-
lab*tch	0.625	0.25	0.067	-	-
lab*nch	0.25	0.25	0.067	-	-
relative Natural Colour (NC)					
lab*trj	0.625	0.25	0.067	-	-
lab*tce	0.25	0.25	0.997	-	-
lab*nce	0.25	0.25	0.997	-	-

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.25	0.25	0.25
cmyn3*	0.5	0.25	0.25	0.25	0.25
olvi4*	1.0	0.75	0.75	0.75	0.75
cmyn4*	0.0	0.25	0.25	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	53.2	38.57	17.17	-	-
LAB*LABa	53.2	38.57	17.17	-	-
LAB*TC _{Ma}	50.0	42.17	24.01	-	-
relative CIELAB lab*					
lab*lab	0.5	0.457	0.203	-	-
lab*tch	0.5	0.5	0.067	-	-
lab*nch	0.0	0.5	0.067	-	-
relative Natural Colour (NC)					
lab*trj	0.5	0.5	0.067	-	-
lab*tce	0.5	0.5	0.997	-	-
lab*nce	0.5	0.5	0.997	-	-

relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.0	0.0	0.0
cmyn3*	0.75	1.0	1.0	1.0	1.0
olvi4*	1.0	0.75	0.75	0.75	0.75
cmyn4*	0.0	0.25	0.25	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	21.55	19.33	8.6	-	-
LAB*LABa	21.55	19.33	8.6	-	-
LAB*TC _{Ma}	12.5	21.08	24.01	-	-
relative CIELAB lab*					
lab*lab	0.125	0.228	0.102	-	-
lab*tch	0.125	0.25	0.067	-	-
lab*nch	0.75	0.25	0.067	-	-
relative Natural Colour (NC)					
lab*trj	0.125	0.25	0.067	-	-
lab*tce	0.125	0.25	0.997	-	-
lab*nce	0.75	0.25	0.997	-	-

relative Inform. Technology (IT)					
olvi3*	1.0	0.5	0.5	0.5	0.5
cmyn3*	0.0	0.5	0.5	0.5	0.5
olvi4*	1.0	0.5	0.5	1.0	1.0
cmyn4*	0.0	0.5	0.5	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	74.3	38.55	17.16	-	-
LAB*LABa	74.3	38.55	17.16	-	-
LAB*TC _{Ma}	75.0	42.17	24.01	-	-
relative CIELAB lab*					
lab*lab	0.75	0.457	0.203	-	-
lab*tch	0.75	0.5	0.067	-	-
lab*nch	0.0	0.5	0.067	-	-
relative Natural Colour (NC)					
lab*trj	0.75	0.5	0.067	-	-
lab*tce	0.75	0.5	0.997	-	-
lab*nce	0.75	0.5	0.997	-	-

relative Inform. Technology (IT)					
olvi3*	0.75	0.25	0.25	0.25	0.25
cmyn3*	0.25	0.75	0.75	0.75	0.75
olvi4*	1.0	0.75	0.75	0.75	0.75
cmyn4*	0.0	0.25	0.25	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	53.2	38.57	17.17	-	-
LAB*LABa	53.2	38.57	17.17	-	-
LAB*TC _{Ma}	50.0	42.17	24.01	-	-
relative CIELAB lab*					
lab*lab	0.5	0.457	0.203	-	-
lab*tch	0.5	0.5	0.067	-	-
lab*nch	0.0	0.5	0.067	-	-
relative Natural Colour (NC)					
lab*trj	0.5	0.5	0.067	-	-
lab*tce	0.5	0.5	0.997	-	-
lab*nce	0.5	0.5	0.997	-	-

relative CIELAB lab*				relative
lab	0.5	0.457	0.203	olvi3
tch	0.5	0.5	0.067	cmyn3
nch	0.25	0.5	0.067	cmyn4
relative Natural Colour (NC)				relative
tce	0.5	0.5	0.997	starm3
nce	0.25	0.5	0.998	LAL3
relative Inform. Technology (IT)				relative
olvi3*	0.5	0.0	0.0	olvi3*
cmyn3*	0.5	1.0	1.0	olvi4*
olvi4*	1.0	0.5	0.5	olvi5*
cmyn4*	0.5	0.5	0.5	olvi6*
hard and adapted CIELAB				
LAB	32.1	38.58	17.17	
B*LAB	1.1	38.52	17.16	
B*TC94	25.01	42.17	24.01	

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$

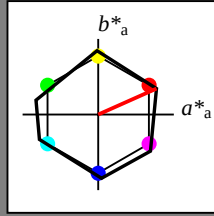
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,\text{rel}} = 47$

$g^*_{C,\text{rel}} = 100$

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$

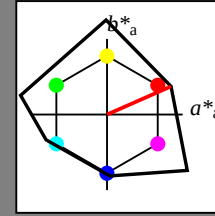
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

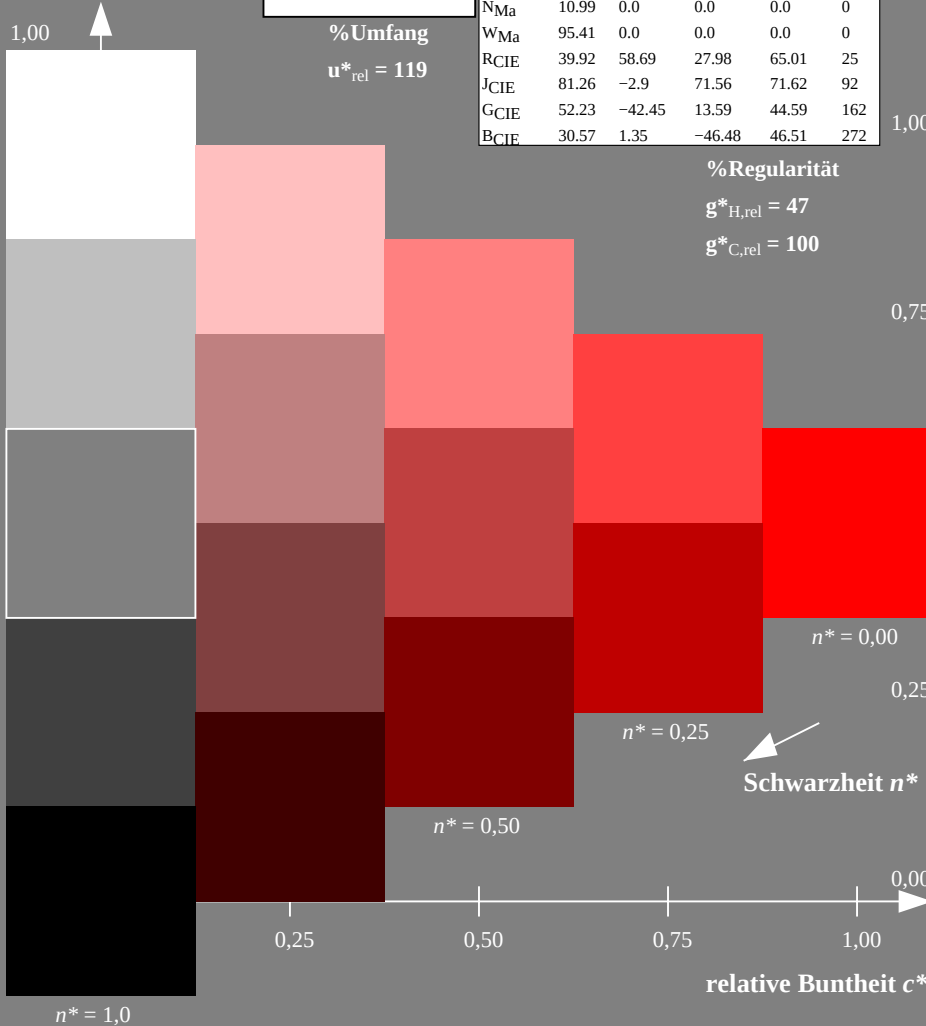
$u^*_{\text{rel}} = 149$

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

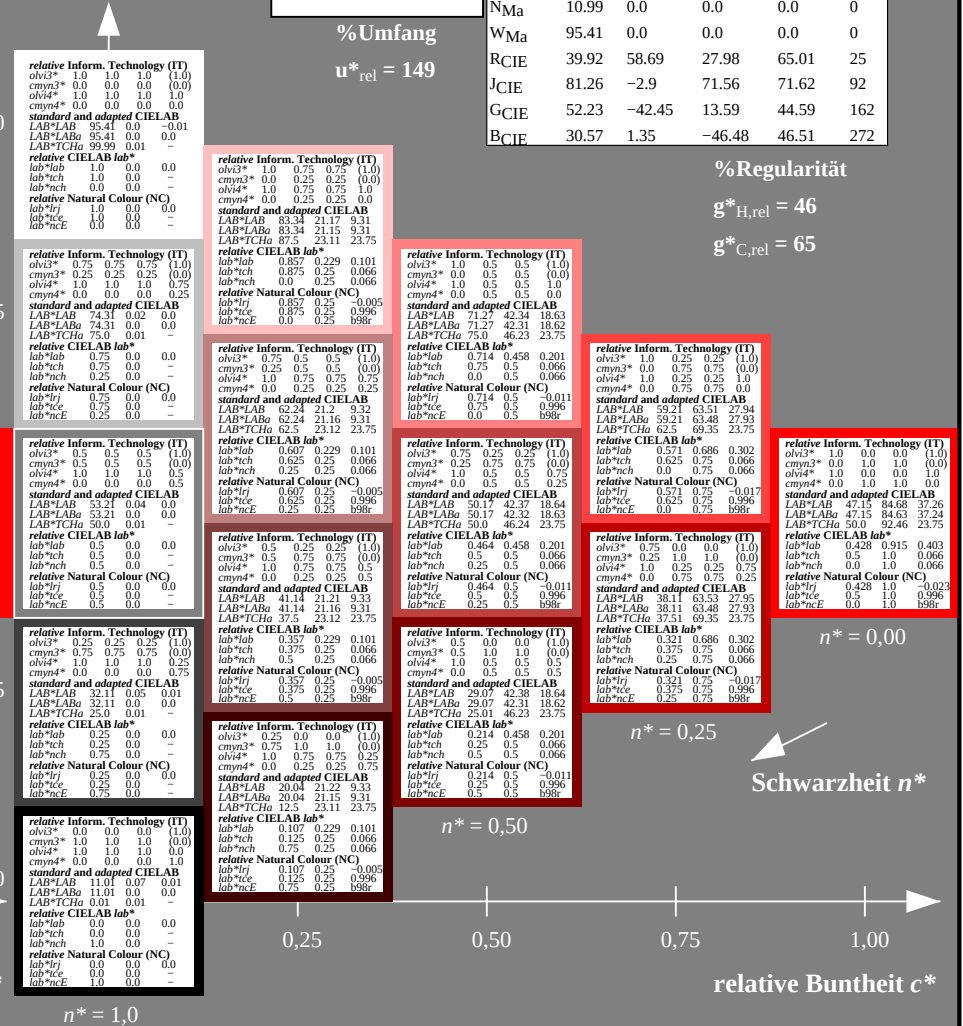
%Regularität

$g^*_{H,\text{rel}} = 46$

$g^*_{C,\text{rel}} = 65$



TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.067 (links)



5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$

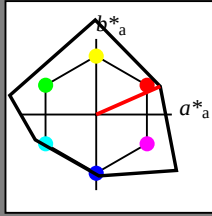
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $24/360 = 0.066$ (links)

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = \text{lab}^*h = 38/360 = 0.105$

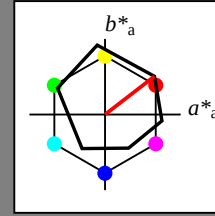
lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton $38/360 = 0.105$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

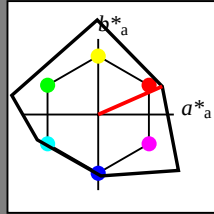
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

NCS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

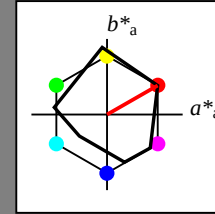
für Buntton $h^* = \text{lab}^*h = 30/360 = 0.083$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

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

Eingabe: Farbmetrisches Reflexions-System NCS11

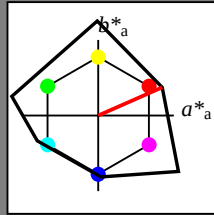
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

1,00

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NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

1,00

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

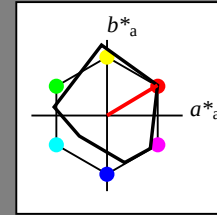
für Buntton $h^* = \text{lab}^*h = 31/360 = 0.086$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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MRS18a; adaptierte CIELAB-Daten

	$L^* = L^*_a$	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
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

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

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (links)

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

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 24/360 = 0.066$

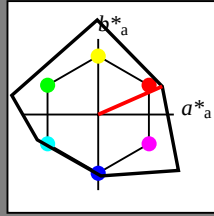
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 24/360 = 0.066$

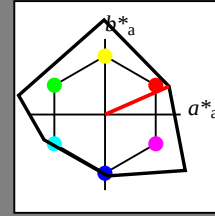
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$

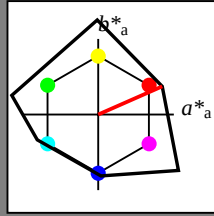
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 149$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,\text{rel}} = 46$

$g^*_{C,\text{rel}} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = \text{lab}^*h = 24/360 = 0.067$

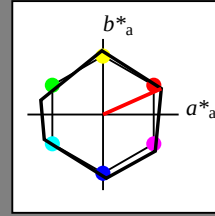
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 119$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,\text{rel}} = 47$

$g^*_{C,\text{rel}} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

$n^* = 1,0$

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

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (links)

Eingabe: Farbmetrisches Reflexions-System NCS11

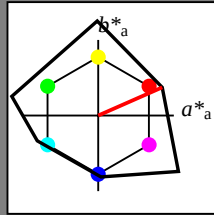
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

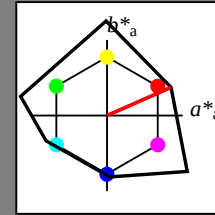
für Buntton $h^* = \text{lab}^*h = 24/360 = 0.066$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$ $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

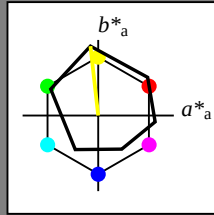
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



ORS18; adaptierte CIELAB-Daten

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

%Regularität

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $96/360 = 0.268$ (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

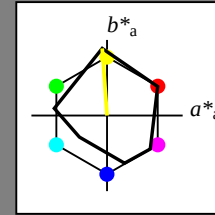
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.261$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit

 $u^*_{rel} = 91$

1,00

0,75

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $94/360 = 0.261$ (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

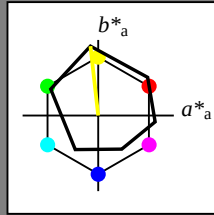
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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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

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

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Ausgabe: Farbmetrisches Reflexions-System TRS18

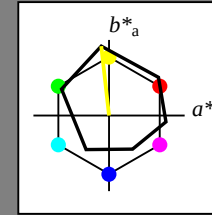
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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TRS18; 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

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

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 $n^* = 1,0$

0,25

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0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

 $n^* = 1,0$

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%Regularität

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

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%Regularität

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

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 $n^* = 0,50$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

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

Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$

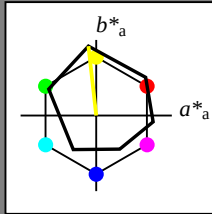
lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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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

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

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

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = \text{lab}^*h = 94/360 = 0.262$

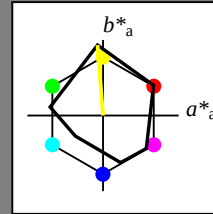
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 92$

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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
CMa	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

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

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

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$n^* = 1,0$

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$n^* = 1,0$

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$n^* = 1,0$

relative Buntheit c^*

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Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$

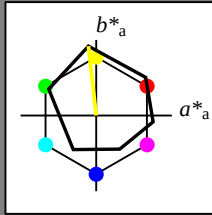
lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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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

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

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

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Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$

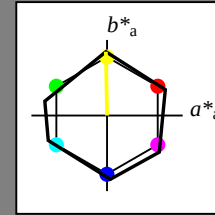
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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$n^* = 1,0$

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$n^* = 0,00$

Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$

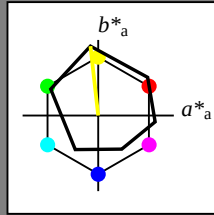
lab^*tch und lab^*nch

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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$

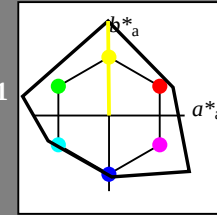
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.252 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

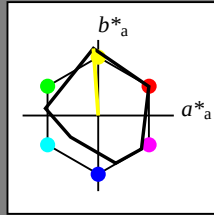
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.261$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $94/360 = 0.261$ (links)

Ausgabe: Farbmetrisches Reflexions-System ORS18

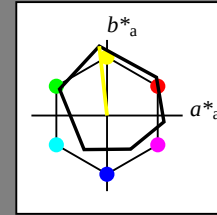
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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
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

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $96/360 = 0.268$ (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

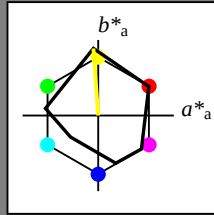
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.261$ lab^*tch und lab^*nch

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $94/360 = 0.261$ (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

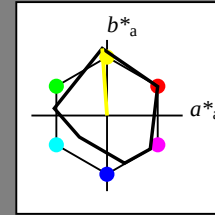
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.261$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $94/360 = 0.261$ (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

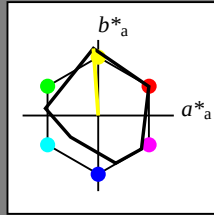
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.261$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

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Ausgabe: Farbmetrisches Reflexions-System TRS18

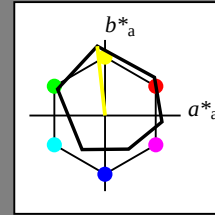
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

1,00

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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	94.14	-3.51	27.61		
LAB*LABa	94.14	-2.56	22.93		
LAB*TCRa	99.99	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		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.984	0.024	0.249		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	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	74.8	-3.14	26.31		
LAB*LABa	74.8	-2.56	22.94		
LAB*TCRa	62.5	23.09	96.39		
relative CIELAB lab*					
lab*lab	0.734	-0.027	0.248		
lab*tch	0.625	0.25	0.268		
lab*nch	0.25	0.25	0.268		
relative Natural Colour (NC)					
lab*trj	0.734	0.024	0.249		
lab*tce	0.625	0.25	0.266		
lab*nce	0.25	0.25	0.068		

relative Inform. Technology (IT)					
olvi3*	0.5	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	55.45	-2.77	25.0		
LAB*LABa	55.45	-2.56	22.94		
LAB*TCRa	37.5	23.09	96.39		
relative CIELAB lab*					
lab*lab	0.484	-0.027	0.248		
lab*tch	0.375	0.25	0.268		
lab*nch	0.5	0.25	0.268		
relative Natural Colour (NC)					
lab*trj	0.484	0.024	0.249		
lab*tce	0.375	0.25	0.266		
lab*nce	0.5	0.25	0.068		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.75	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	0.75	(0.0)
standard and adapted CIELAB					
LAB*LAB	36.1	-2.4	23.69		
LAB*LABa	36.1	-2.56	22.93		
LAB*TCRa	12.5	23.09	96.39		
relative CIELAB lab*					
lab*lab	0.234	-0.027	0.248		
lab*tch	0.125	0.25	0.268		
lab*nch	0.75	0.25	0.268		
relative Natural Colour (NC)					
lab*trj	0.234	0.024	0.249		
lab*tce	0.125	0.25	0.266		
lab*nce	0.75	0.25	0.068		

 $n^* = 1,0$ relative Buntheit c^*

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TRS18; 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

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

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	92.88	-0.06	50.46		
LAB*LABa	92.88	-5.13	45.87		
LAB*TCRa	75.0	46.16	96.39		
relative CIELAB lab*					
lab*lab	0.967	-0.055	0.497		
lab*tch	0.75	0.25	0.268		
lab*nch	0.0	0.25	0.268		
relative Natural Colour (NC)					
lab*trj	0.967	-0.048	0.497		
lab*tce	0.75	0.25	0.266		
lab*nce	0.0	0.25	0.068		

relative Inform. Technology (IT)					
olvi3*	0.75	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	73.54	-5.69	49.17		
LAB*LABa	73.54	-5.13	45.88		
LAB*TCRa	50.0	46.17	96.39		
relative CIELAB lab*					
lab*lab	0.717	-0.055	0.497		
lab*tch	0.5	0.25	0.268		
lab*nch	0.25	0.25	0.268		
relative Natural Colour (NC)					
lab*trj	0.717	-0.048	0.498		
lab*tce	0.5	0.25	0.266		
lab*nce	0.25	0.25	0.068		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB					
LAB*LAB	54.19	-5.32	47.85		
LAB*LABa	54.19	-5.13	45.87		
LAB*TCRa	25.01	46.16	96.39		
relative CIELAB lab*					
lab*lab	0.467	-0.055	0.497		
lab*tch	0.25	0.25	0.268		
lab*nch	0.5	0.25	0.268		
relative Natural Colour (NC)					
lab*trj	0.467	-0.048	0.497		
lab*tce	0.25	0.25	0.266		
lab*nce	0.5	0.25	0.068		

 $n^* = 0,50$ relative Buntheit c^*

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relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.25	0.0
olvi4*	1.0	1.0	0.25	1.0
cmyn4*	0.0	0.0	0.75	0.0
standard and adapted CIELAB				
LAB*LAB	91.62	-8.6	73.3	0.0
LAB*Lab	91.62	-7.7	68.8	0.0
LAB*TChe	62.5	69.25	96.3	0.0
relative CIELAB lab*				
lab*lab	0.951	-0.082	0.74	0.0
lab*rch	0.625	0.75	0.25	0.0
lab*rch	0.0	0.75	0.25	0.0
relative Natural Colour (NC)				
lab*trj	0.951	-0.073	0.74	0.0
lab*trf	0.0	0.75	0.25	0.0
lab*trf	0.0	0.75	0.06	0.0

Eingabe: Farbmetrisches Reflexions-System MRS18

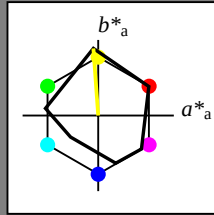
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.261$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

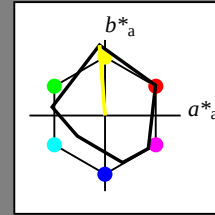
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.262$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	-	
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*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	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	0.0	0.0	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	75.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	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	0.0	0.0	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	75.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	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	0.0	0.0	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	75.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	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	0.0	0.0	
LAB*LABa	56.71	0.0	0.0	
LAB*LABb	50.0	0.0	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	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	0.0	0.0	
LAB*LABa	56.71	0.0	0.0	
LAB*LABb	50.0	0.0	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	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	0.07	0.01	
LAB*LABa	37.36	0.07	0.01	
LAB*LABb	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	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	0.07	0.01	
LAB*LABa	37.36	0.07	0.01	
LAB*LABb	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	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	(0.0)
cmyn4*	0.0	0.0	0.0	(1.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.1	0.02	
LAB*LABa	18.02	0.1	0.02	
LAB*LABb	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	1.0	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	55.53	-1.81	23.3	
LAB*LABa	55.53	-1.81	23.3	
LAB*LABb	37.5	23.37	94.46	
relative CIELAB lab*				
lab*lab	0.485	-0.018	0.249	
lab*tch	0.375	0.25	0.262	
lab*nch	0.5	0.25	0.262	
relative Natural Colour (NC)				
lab*trj	0.485	-0.018	0.249	
lab*tce	0.375	0.25	0.258	
lab*nce	0.5	0.25	0.338	

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	55.53	-1.81	23.3	
LAB*LABa	55.53	-1.81	23.3	
LAB*LABb	37.5	23.37	94.46	
relative CIELAB lab*				
lab*lab	0.485	-0.018	0.249	
lab*tch	0.375	0.25	0.262	
lab*nch	0.5	0.25	0.262	

Eingabe: Farbmetrisches Reflexions-System MRS18

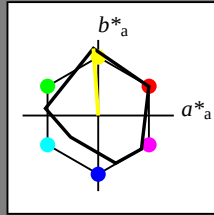
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.261$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

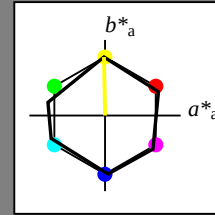
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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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	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	95.41	0.0	0.0	
LAB*LABc	95.41	0.0	0.0	
LAB*LABd	95.41	0.0	0.0	
LAB*LABe	95.41	0.0	0.0	
LAB*LABf	95.41	0.0	0.0	
LAB*LABg	95.41	0.0	0.0	
LAB*LABh	95.41	0.0	0.0	
LAB*LABi	95.41	0.0	0.0	
LAB*LABj	95.41	0.0	0.0	
LAB*LABk	95.41	0.0	0.0	
LAB*LABl	95.41	0.0	0.0	
LAB*LABm	95.41	0.0	0.0	
LAB*LABn	95.41	0.0	0.0	
LAB*LABo	95.41	0.0	0.0	
LAB*LABp	95.41	0.0	0.0	
LAB*LABq	95.41	0.0	0.0	
LAB*LABr	95.41	0.0	0.0	
LAB*LABs	95.41	0.0	0.0	
LAB*LABt	95.41	0.0	0.0	
LAB*LABu	95.41	0.0	0.0	
LAB*LABv	95.41	0.0	0.0	
LAB*LABw	95.41	0.0	0.0	
LAB*LABx	95.41	0.0	0.0	
LAB*LABy	95.41	0.0	0.0	
LAB*LABz	95.41	0.0	0.0	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	0.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*LABb	76.07	0.0	0.0	
LAB*LABc	76.07	0.0	0.0	
LAB*LABd	76.07	0.0	0.0	
LAB*LABe	76.07	0.0	0.0	
LAB*LABf	76.07	0.0	0.0	
LAB*LABg	76.07	0.0	0.0	
LAB*LABh	76.07	0.0	0.0	
LAB*LABi	76.07	0.0	0.0	
LAB*LABj	76.07	0.0	0.0	
LAB*LABk	76.07	0.0	0.0	
LAB*LABl	76.07	0.0	0.0	
LAB*LABm	76.07	0.0	0.0	
LAB*LABn	76.07	0.0	0.0	
LAB*LABo	76.07	0.0	0.0	
LAB*LABp	76.07	0.0	0.0	
LAB*LABq	76.07	0.0	0.0	
LAB*LABr	76.07	0.0	0.0	
LAB*LABs	76.07	0.0	0.0	
LAB*LABt	76.07	0.0	0.0	
LAB*LABu	76.07	0.0	0.0	
LAB*LABv	76.07	0.0	0.0	
LAB*LABw	76.07	0.0	0.0	
LAB*LABx	76.07	0.0	0.0	
LAB*LABy	76.07	0.0	0.0	
LAB*LABz	76.07	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	0.0	
lab*nch	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	0.0	
lab*nce	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*LABb	56.72	0.0	0.0	
LAB*LABc	56.72	0.0	0.0	
LAB*LABd	56.72	0.0	0.0	
LAB*LABe	56.72	0.0	0.0	
LAB*LABf	56.72	0.0	0.0	
LAB*LABg	56.72	0.0	0.0	
LAB*LABh	56.72	0.0	0.0	
LAB*LABi	56.72	0.0	0.0	
LAB*LABj	56.72	0.0	0.0	
LAB*LABk	56.72	0.0	0.0	
LAB*LABl	56.72	0.0	0.0	
LAB*LABm	56.72	0.0	0.0	
LAB*LABn	56.72	0.0	0.0	
LAB*LABo	56.72	0.0	0.0	
LAB*LABp	56.72	0.0	0.0	
LAB*LABq	56.72	0.0	0.0	
LAB*LABr	56.72	0.0	0.0	
LAB*LABs	56.72	0.0	0.0	
LAB*LABt	56.72	0.0	0.0	
LAB*LABu	56.72	0.0	0.0	
LAB*LABv	56.72	0.0	0.0	
LAB*LABw	56.72	0.0	0.0	
LAB*LABx	56.72	0.0	0.0	
LAB*LABy	56.72	0.0	0.0	
LAB*LABz	56.72	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	0.0	
lab*nch	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	0.0	
lab*nce	0.5	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LABa	37.37	0.0	0.0	
LAB*LABb	37.37	0.0	0.0	
LAB*LABc	37.37	0.0	0.0	
LAB*LABd	37.37	0.0	0.0	
LAB*LABe	37.37	0.0	0.0	
LAB*LABf	37.37	0.0	0.0	
LAB*LABg	37.37	0.0	0.0	
LAB*LABh	37.37	0.0	0.0	
LAB*LABi	37.37	0.0	0.0	
LAB*LABj	37.37	0.0	0.0	
LAB*LABk	37.37	0.0	0.0	
LAB*LABl	37.37	0.0	0.0	
LAB*LABm	37.37	0.0	0.0	
LAB*LABn	37.37	0.0	0.0	
LAB*LABo	37.37	0.0	0.0	
LAB*LABp	37.37	0.0	0.0	
LAB*LABq	37.37	0.0	0.0	
LAB*LABr	37.37	0.0	0.0	
LAB*LABs	37.37	0.0	0.0	
LAB*LABt	37.37	0.0	0.0	
LAB*LABu	37.37	0.0	0.0	
LAB*LABv	37.37	0.0	0.0	
LAB*LABw	37.37	0.0	0.0	
LAB*LABx	37.37	0.0	0.0	
LAB*LABy	37.37	0.0	0.0	
LAB*LABz	37.37	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	0.0	
lab*nch	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	0.0	
lab*nce	0.25	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.72	0.05	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*LABb	56.72	0.0	0.0	
LAB*LABc	56.72	0.0	0.0	
LAB*TCHa	50.0	0.01	-	

Eingabe: Farbmetrisches Reflexions-System MRS18

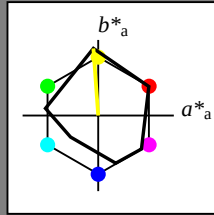
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.261$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

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Ausgabe: Farbmetrisches Reflexions-System NCS18

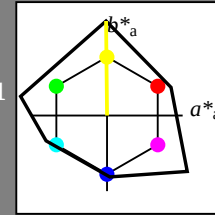
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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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	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*TCHa	99.99	0.01	-		
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*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	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	0.75	(0.0)
cmyn4*	0.0	0.0	0.0	0.25	(0.0)
standard and adapted CIELAB					
LAB*LAB	76.07	0.0	0.0		
LAB*LABa	76.07	0.0	0.0		
LAB*TCHa	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	-		
lab*nch	0.25	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.5	(1.0)	
cmyn3*	0.25	0.25	0.5	(0.0)	
olvi4*	1.0	1.0	0.5	0.75	(0.0)
cmyn4*	0.0	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB					
LAB*LAB	75.05	-0.23	31.26		
LAB*LABa	75.05	-0.31	31.26		
LAB*TCHa	75.5	31.26	90.59		
relative CIELAB lab*					
lab*lab	0.737	-0.002	0.25		
lab*tch	0.625	0.25	0.252		
lab*nch	0.25	0.25	0.252		
relative Natural Colour (NC)					
lab*trj	0.737	0.01	0.25		
lab*tce	0.625	0.25	0.243		
lab*nce	0.25	0.25	0.243		

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	0.5	(0.0)
cmyn4*	0.0	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB					
LAB*LAB	56.72	0.0	0.0		
LAB*LABa	56.72	0.0	0.0		
LAB*TCHa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.5	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	-		
lab*nce	0.5	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	0.25	(0.0)
cmyn4*	0.0	0.0	0.0	0.75	(0.0)
standard and adapted CIELAB					
LAB*LAB	37.37	0.07	0.01		
LAB*LABa	37.37	0.0	0.0		
LAB*TCHa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.25	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.25	(1.0)	
cmyn3*	0.5	0.5	0.25	(0.0)	
olvi4*	1.0	1.0	0.25	0.5	(0.0)
cmyn4*	0.0	0.0	0.25	0.5	(0.0)
standard and adapted CIELAB					
LAB*LAB	55.7	-0.31	31.26		
LAB*LABa	55.7	-0.31	31.26		
LAB*TCHa	57.5	31.26	90.59		
relative CIELAB lab*					
lab*lab	0.487	-0.002	0.25		
lab*tch	0.375	0.25	0.252		
lab*nch	0.5	0.25	0.252		
relative Natural Colour (NC)					
lab*trj	0.487	0.01	0.25		
lab*tce	0.375	0.25	0.243		
lab*nce	0.5	0.25	0.243		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.0	(1.0)	
cmyn3*	0.75	0.75	0.0	(0.0)	
olvi4*	1.0	1.0	0.0	0.25	(0.0)
cmyn4*	0.0	0.0	0.0	0.75	(0.0)
standard and adapted CIELAB					
LAB*LAB	37.37	0.07	0.01		
LAB*LABa	37.37	0.0	0.0		
LAB*TCHa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.25	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	0.0	-		

relative CIELAB lab*			
lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	-
lab*nch	0.75	0.0	-
relative Natural Colour (NC)			
lab*lrj	0.25	0.0	0.0
lab*tce	0.25	0.0	-
lab*nce	0.75	0.0	-

Eingabe: Farbmetrisches Reflexions-System MRS18

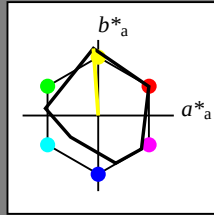
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.261$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NRS11

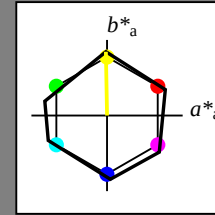
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.261 (links)

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

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = \text{lab}^*h = 94/360 = 0.261$

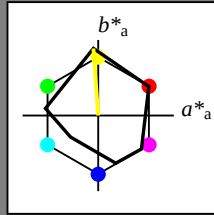
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 91$

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

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$

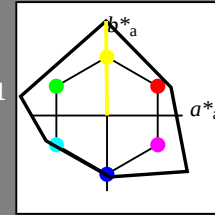
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 149$

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,\text{rel}} = 46$

$g^*_{C,\text{rel}} = 65$

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$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.261 (links)

5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.252 (rechts)

Eingabe: Farbmimetrisches Reflexions-System TRS18

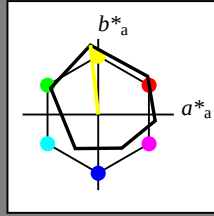
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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TRS18; 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

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

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Ausgabe: Farbmimetrisches Reflexions-System ORS18

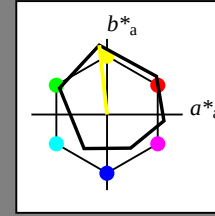
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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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

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

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

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

Eingabe: Farbmetrisches Reflexions-System TRS18

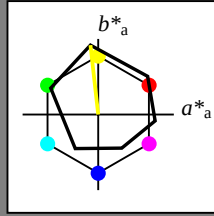
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

1,00

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TRS18; 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

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

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Ausgabe: Farbmetrisches Reflexions-System MRS18

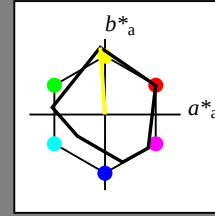
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.261$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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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
CMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.261 (rechts)

Eingabe: Farbmetrisches Reflexions-System TRS18

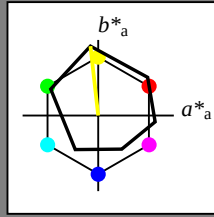
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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TRS18; 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

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

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Ausgabe: Farbmetrisches Reflexions-System TRS18

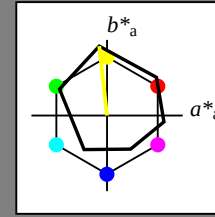
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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Eingabe: Farbmimetrisches Reflexions-System TRS18

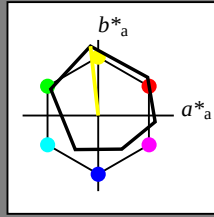
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

TRS18; 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

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS18

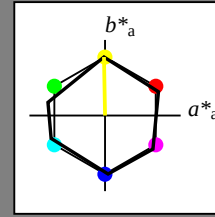
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

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

Eingabe: Farbmetrisches Reflexions-System TRS18

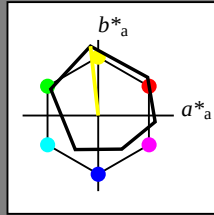
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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TRS18; 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

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

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Ausgabe: Farbmetrisches Reflexions-System NCS18

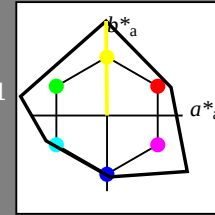
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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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 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.07 0.0 0.0

LAB*LABa 76.07 0.0 0.0

LAB*LABb 76.07 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.0 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 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.07 0.0 0.0

LAB*LABa 76.07 0.0 0.0

LAB*LABb 76.07 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.72 0.0 0.0

LAB*LABa 56.72 0.0 0.0

LAB*LABb 56.72 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.0 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 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.07 0.0 0.0

LAB*LABa 76.07 0.0 0.0

LAB*LABb 76.07 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.72 0.0 0.0

LAB*LABa 56.72 0.0 0.0

LAB*LABb 56.72 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.0 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 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.07 0.0 0.0

LAB*LABa 76.07 0.0 0.0

LAB*LABb 76.07 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.72 0.0 0.0

LAB*LABa 56.72 0.0 0.0

LAB*LABb 56.72 0.0 0.0

Eingabe: Farbmetrisches Reflexions-System TRS18

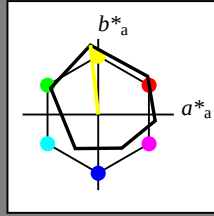
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

TRS18; 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

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $96/360 = 0.268$ (links)

Ausgabe: Farbmetrisches Reflexions-System NRS11

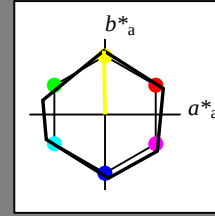
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $91/360 = 0.253$ (rechts)

Eingabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$

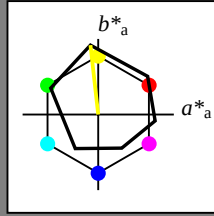
lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

TRS18; 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

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$

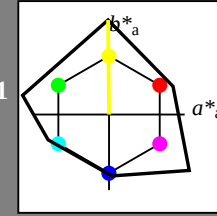
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 149$

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,\text{rel}} = 46$

$g^*_{C,\text{rel}} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.252 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

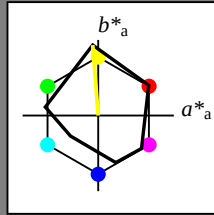
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.262$ lab^*tch und lab^*nch

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
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^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.262 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

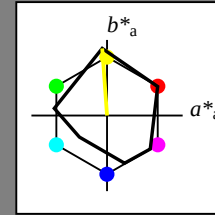
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.261$ lab^*tch und lab^*nch

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.261 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

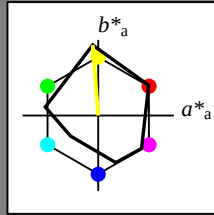
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.262$ lab^*tch und lab^*nch

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
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

 $n^* = 0,25$ $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $94/360 = 0.262$ (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

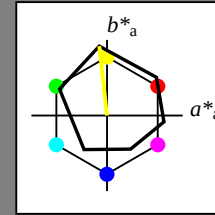
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



TRS18; 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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$ relative Buntheit c^* $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ $n^* = 0,75$ $n^* = 1,00$ relative Buntheit c^* $n^* = 0,00$

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 $n^* = 0,25$ $n^* = 0,50$ $n^* = 0,75$ $n^* = 1,00$ relative Buntheit c^* $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ $n^* = 0,75$ $n^* = 1,00$ relative Buntheit c^* $n^* =$

Eingabe: Farbmetrisches Reflexions-System MRS18a

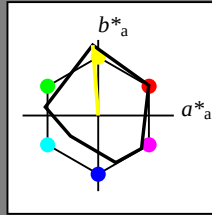
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.262$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

1,00

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MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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
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

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

1,00

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

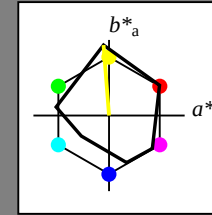
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.262$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

1,00

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relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	95.41	0.0	0.0	
LAB*LABc	95.41	0.0	0.0	
LAB*LABd	95.41	0.0	0.0	
LAB*LABe	95.41	0.0	0.0	
LAB*LABf	95.41	0.0	0.0	
LAB*LABg	95.41	0.0	0.0	
LAB*LABh	95.41	0.0	0.0	
LAB*LABi	95.41	0.0	0.0	
LAB*LABj	95.41	0.0	0.0	
LAB*LABk	95.41	0.0	0.0	
LAB*LABl	95.41	0.0	0.0	
LAB*LABm	95.41	0.0	0.0	
LAB*LABn	95.41	0.0	0.0	
LAB*LABo	95.41	0.0	0.0	
LAB*LABp	95.41	0.0	0.0	
LAB*LABq	95.41	0.0	0.0	
LAB*LABr	95.41	0.0	0.0	
LAB*LABs	95.41	0.0	0.0	
LAB*LABt	95.41	0.0	0.0	
LAB*LABu	95.41	0.0	0.0	
LAB*LABv	95.41	0.0	0.0	
LAB*LABw	95.41	0.0	0.0	
LAB*LABx	95.41	0.0	0.0	
LAB*LABy	95.41	0.0	0.0	
LAB*LABz	95.41	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	0.0	0.0	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	76.06	0.0	0.0	
LAB*LABc	76.06	0.0	0.0	
LAB*LABd	76.06	0.0	0.0	
LAB*LABe	76.06	0.0	0.0	
LAB*LABf	76.06	0.0	0.0	
LAB*LABg	76.06	0.0	0.0	
LAB*LABh	76.06	0.0	0.0	
LAB*LABi	76.06	0.0	0.0	
LAB*LABj	76.06	0.0	0.0	
LAB*LABk	76.06	0.0	0.0	
LAB*LABl	76.06	0.0	0.0	
LAB*LABm	76.06	0.0	0.0	
LAB*LABn	76.06	0.0	0.0	
LAB*LABo	76.06	0.0	0.0	
LAB*LABp	76.06	0.0	0.0	
LAB*LABq	76.06	0.0	0.0	
LAB*LABr	76.06	0.0	0.0	
LAB*LABs	76.06	0.0	0.0	
LAB*LABt	76.06	0.0	0.0	
LAB*LABu	76.06	0.0	0.0	
LAB*LABv	76.06	0.0	0.0	
LAB*LABw	76.06	0.0	0.0	
LAB*LABx	76.06	0.0	0.0	
LAB*LABy	76.06	0.0	0.0	
LAB*LABz	76.06	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	0.0	0.0	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	76.06	0.0	0.0	
LAB*LABc	76.06	0.0	0.0	
LAB*LABd	76.06	0.0	0.0	
LAB*LABe	76.06	0.0	0.0	
LAB*LABf	76.06	0.0	0.0	
LAB*LABg	76.06	0.0	0.0	
LAB*LABh	76.06	0.0	0.0	
LAB*LABi	76.06	0.0	0.0	
LAB*LABj	76.06	0.0	0.0	
LAB*LABk	76.06	0.0	0.0	
LAB*LABl	76.06	0.0	0.0	
LAB*LABm	76.06	0.0	0.0	
LAB*LABn	76.06	0.0	0.0	
LAB*LABo	76.06	0.0	0.0	
LAB*LABp	76.06	0.0	0.0	
LAB*LABq	76.06	0.0	0.0	
LAB*LABr	76.06	0.0	0.0	
LAB*LABs	76.06	0.0	0.0	
LAB*LABt	76.06	0.0	0.0	
LAB*LABu	76.06	0.0	0.0	
LAB*LABv	76.06	0.0	0.0	
LAB*LABw	76.06	0.0	0.0	
LAB*LABx	76.06	0.0	0.0	
LAB*LABy	76.06	0.0	0.0	
LAB*LABz	76.06	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	0.0	0.0	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	76.06	0.0	0.0	
LAB*LABc	76.06	0.0	0.0	
LAB*LABd	76.06	0.0	0.0	
LAB*LABe	76.06	0.0	0.0	
LAB*LABf	76.06	0.0	0.0	
LAB*LABg	76.06	0.0	0.0	
LAB*LABh	76.06	0.0	0.0	
LAB*LABi	76.06	0.0	0.0	
LAB*LABj	76.06	0.0	0.0	
LAB*LABk	76.06	0.0	0.0	
LAB*LABl	76.06	0.0	0.0	
LAB*LABm	76.06	0.0	0.0	
LAB*LABn	76.06	0.0	0.0	
LAB*LABo	76.06	0.0	0.0	
LAB*LABp	76.06	0.0	0.0	
LAB*LABq	76.06	0.0	0.0	
LAB*LABr	76.06	0.0	0.0	
LAB*LABs	76.06	0.0	0.0	
LAB*LABt	76.06	0.0	0.0	
LAB*LABu	76.06	0.0	0.0	
LAB*LABv	76.06	0.0	0.0	
LAB*LABw	76.06	0.0	0.0	
LAB*LABx	76.06	0.0	0.0	
LAB*LABy	76.06	0.0	0.0	
LAB*LABz	76.06	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	0.0	0.0	
LAB*LABa	56.71	0.0	0.0	
LAB*LABb	56.71	0.0	0.0	
LAB*LABc	56.71	0.0	0.0	
LAB*LABd	56.71	0.0	0.0	
LAB*LABe	56.71	0.0	0.0	
LAB*LABf	56.71	0.0	0.0	
LAB*LABg	56.71	0.0	0.0	
LAB*LABh	56.71	0.0	0.0	
LAB*LABi	56.71	0.0	0.0	
LAB*LABj	56.71	0.0	0.0	
LAB*LABk	56.71	0.0	0.0	
LAB*LABl	56.71	0.0	0.0	
LAB*LABm	56.71	0.0	0.0	
LAB*LABn	56.71	0.0	0.0	
LAB*LABo	56.71	0.0	0.0	
LAB*LABp	56.71	0.0	0.0	
LAB*LABq	56.71	0.0	0.0	
LAB*LABr	56.71	0.0	0.0	
LAB*LABs	56.71	0.0	0.0	
LAB*LABt	56.71	0.0	0.0	
LAB*LABu	56.71	0.0	0.0	
LAB*LABv	56.71	0.0	0.0	
LAB*LABw	56.71	0.0	0.0	
LAB*LABx	56.71	0.0	0.0	
LAB*LABy	56.71	0.0	0.0	
LAB*LABz	56.71	0.0	0.0	

Eingabe: Farbmetrisches Reflexions-System MRS18a

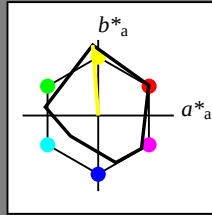
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.262$ lab^*tch und lab^*nch

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
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

 $n^* = 0,25$ $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $94/360 = 0.262$ (links)

Ausgabe: Farbmetrisches Reflexions-System NRS18

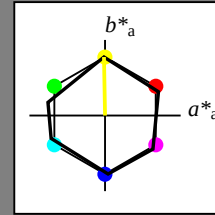
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $91/360 = 0.253$ (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

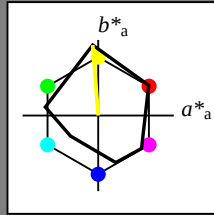
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.262$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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
RCIE	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

%Regularität

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

1,00

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Ausgabe: Farbmetrisches Reflexions-System NCS18

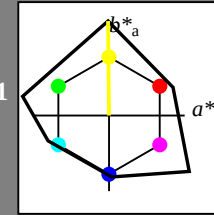
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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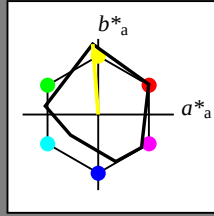
Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = \text{lab}^*h = 94/360 = 0.262$

lab^*tch und lab^*nch

D65: Buntton J
LCH*Ma: 91 93 94
rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 92$

1,00

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0,75

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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

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

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

1,00

0,75

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Schwarzheit n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

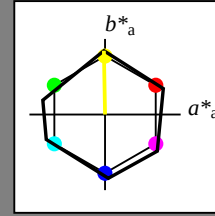
Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$

lab^*tch und lab^*nch

D65: Buntton J
LCH*Ma: 53 84 91
rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 119$

1,00

0,75

0,50

0,25

0,00

↓

0,75

0,50

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relative Buntheit c^*

$n^* = 1,0$

%Regularität

$g^*_{H,\text{rel}} = 47$

$g^*_{C,\text{rel}} = 100$

1,00

0,75

0,50

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

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,\text{rel}} = 47$

$g^*_{C,\text{rel}} = 100$

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Schwarzheit n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.262 (links)

Eingabe: Farbmetrisches Reflexions-System MRS18a

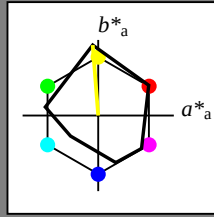
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.262$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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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

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

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Ausgabe: Farbmetrisches Reflexions-System NCS11

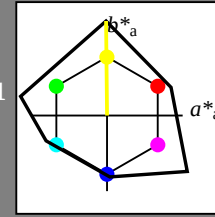
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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 $n^* = 1,0$

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relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$

0,00

 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.262 (links)

5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.252 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

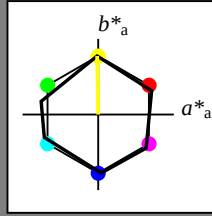
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmetrisches Reflexions-System ORS18

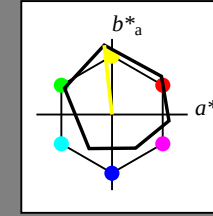
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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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

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

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Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$

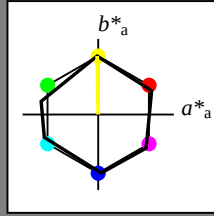
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,\text{rel}} = 47$

$g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = \text{lab}^*h = 94/360 = 0.261$

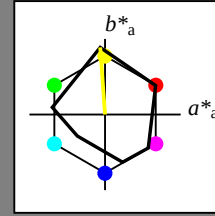
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 91$

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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

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

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

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.253 (links)

5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.261 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

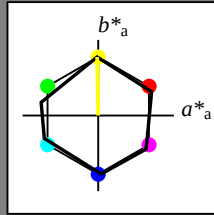
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmetrisches Reflexions-System TRS18

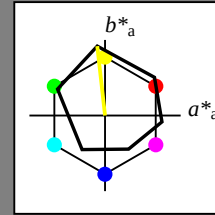
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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TRS18; 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

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

0,75

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%Regularität

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

0,75

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%Regularität

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

0,75

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%Regularität

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

0,75

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%Regularität

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

0,75

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 $n^* = 1,0$

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0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $91/360 = 0.253$ (links)5 stufige Reihen für konstanten CIELAB Buntton $96/360 = 0.268$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

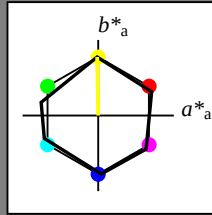
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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
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

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

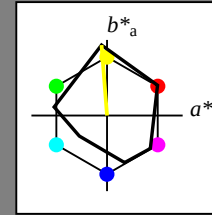
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.262$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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
RCIE	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

%Regularität

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

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

 $n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System MRS18a

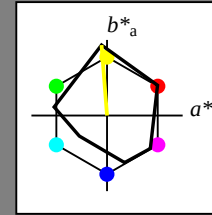
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.262$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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
RCIE	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

%Regularität

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

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 $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$

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0,75

1,00

relative Buntheit c^* Schwarzheit n^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.253 (links)

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

Eingabe: Farbmetrisches Reflexions-System NRS18

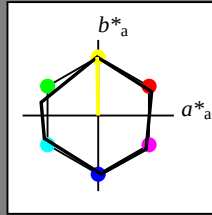
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

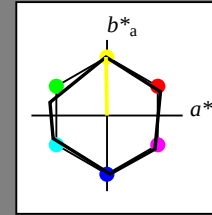
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0
LAB*LABd 95.41 0.0 0.0
LAB*LABe 95.41 0.0 0.0
LAB*LABf 95.41 0.0 0.0
LAB*LABg 95.41 0.0 0.0
LAB*LABh 95.41 0.0 0.0
LAB*LABi 95.41 0.0 0.0
LAB*LABj 95.41 0.0 0.0
LAB*LABk 95.41 0.0 0.0
LAB*LABl 95.41 0.0 0.0
LAB*LABm 95.41 0.0 0.0
LAB*LABn 95.41 0.0 0.0
LAB*LABo 95.41 0.0 0.0
LAB*LABp 95.41 0.0 0.0
LAB*LABq 95.41 0.0 0.0
LAB*LABr 95.41 0.0 0.0
LAB*LABs 95.41 0.0 0.0
LAB*LABt 95.41 0.0 0.0
LAB*LABu 95.41 0.0 0.0
LAB*LABv 95.41 0.0 0.0
LAB*LABw 95.41 0.0 0.0
LAB*LABx 95.41 0.0 0.0
LAB*LABy 95.41 0.0 0.0
LAB*LABz 95.41 0.0 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 76.07 0.0 0.0
LAB*LABc 76.07 0.0 0.0
LAB*LABd 76.07 0.0 0.0
LAB*LABe 76.07 0.0 0.0
LAB*LABf 76.07 0.0 0.0
LAB*LABg 76.07 0.0 0.0
LAB*LABh 76.07 0.0 0.0
LAB*LABi 76.07 0.0 0.0
LAB*LABj 76.07 0.0 0.0
LAB*LABk 76.07 0.0 0.0
LAB*LABl 76.07 0.0 0.0
LAB*LABm 76.07 0.0 0.0
LAB*LABn 76.07 0.0 0.0
LAB*LABo 76.07 0.0 0.0
LAB*LABp 76.07 0.0 0.0
LAB*LABq 76.07 0.0 0.0
LAB*LABr 76.07 0.0 0.0
LAB*LABs 76.07 0.0 0.0
LAB*LABt 76.07 0.0 0.0
LAB*LABu 76.07 0.0 0.0
LAB*LABv 76.07 0.0 0.0
LAB*LABw 76.07 0.0 0.0
LAB*LABx 76.07 0.0 0.0
LAB*LABy 76.07 0.0 0.0
LAB*LABz 76.07 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 56.72 0.0 0.0
LAB*LABc 56.72 0.0 0.0
LAB*LABd 56.72 0.0 0.0
LAB*LABe 56.72 0.0 0.0
LAB*LABf 56.72 0.0 0.0
LAB*LABg 56.72 0.0 0.0
LAB*LABh 56.72 0.0 0.0
LAB*LABi 56.72 0.0 0.0
LAB*LABj 56.72 0.0 0.0
LAB*LABk 56.72 0.0 0.0
LAB*LABl 56.72 0.0 0.0
LAB*LABm 56.72 0.0 0.0
LAB*LABn 56.72 0.0 0.0
LAB*LABo 56.72 0.0 0.0
LAB*LABp 56.72 0.0 0.0
LAB*LABq 56.72 0.0 0.0
LAB*LABr 56.72 0.0 0.0
LAB*LABs 56.72 0.0 0.0
LAB*LABt 56.72 0.0 0.0
LAB*LABu 56.72 0.0 0.0
LAB*LABv 56.72 0.0 0.0
LAB*LABw 56.72 0.0 0.0
LAB*LABx 56.72 0.0 0.0
LAB*LABy 56.72 0.0 0.0
LAB*LABz 56.72 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 37.37 0.0 0.0
LAB*LABc 37.37 0.0 0.0
LAB*LABd 37.37 0.0 0.0
LAB*LABe 37.37 0.0 0.0
LAB*LABf 37.37 0.0 0.0
LAB*LABg 37.37 0.0 0.0
LAB*LABh 37.37 0.0 0.0
LAB*LABi 37.37 0.0 0.0
LAB*LABj 37.37 0.0 0.0
LAB*LABk 37.37 0.0 0.0
LAB*LABl 37.37 0.0 0.0
LAB*LABm 37.37 0.0 0.0
LAB*LABn 37.37 0.0 0.0
LAB*LABo 37.37 0.0 0.0
LAB*LABp 37.37 0.0 0.0
LAB*LABq 37.37 0.0 0.0
LAB*LABr 37.37 0.0 0.0
LAB*LABs 37.37 0.0 0.0
LAB*LABt 37.37 0.0 0.0
LAB*LABu 37.37 0.0 0.0
LAB*LABv 37.37 0.0 0.0
LAB*LABw 37.37 0.0 0.0
LAB*LABx 37.37 0.0 0.0
LAB*LABy 37.37 0.0 0.0
LAB*LABz 37.37 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0
LAB*LABd 18.02 0.0 0.0
LAB*LABe 18.02 0.0 0.0
LAB*LABf 18.02 0.0 0.0
LAB*LABg 18.02 0.0 0.0
LAB*LABh 18.02 0.0 0.0
LAB*LABi 18.02 0.0 0.0
LAB*LABj 18.02 0.0 0.0
LAB*LABk 18.02 0.0 0.0
LAB*LABl 18.02 0.0 0.0
LAB*LABm 18.02 0.0 0.0
LAB*LABn 18.02 0.0 0.0
LAB*LABo 18.02 0.0 0.0
LAB*LABp 18.02 0.0 0.0
LAB*LABq 18.02 0.0 0.0
LAB*LABr 18.02 0.0 0.0
LAB*LABs 18.02 0.0 0.0
LAB*LABt 18.02 0.0 0.0
LAB*LABu 18.02 0.0 0.0
LAB*LABv 18.02 0.0 0.0
LAB*LABw 18.02 0.0 0.0
LAB*LABx 18.02 0.0 0.0
LAB*LABy 18.02 0.0 0.0
LAB*LABz 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.0 0.0
LAB*LABa 0.01 0.0 0.0
LAB*LABb 0.01 0.0 0.0
LAB*LABc 0.01 0.0 0.0
LAB*LABd 0.01 0.0 0.0
LAB*LABe 0.01 0.0 0.0
LAB*LABf 0.01 0.0 0.0
LAB*LABg 0.01 0.0 0.0
LAB*LABh 0.01 0.0 0.0
LAB*LABi 0.01 0.0 0.0
LAB*LABj 0.01 0.0 0.0
LAB*LABk 0.01 0.0 0.0
LAB*LABl 0.01 0.0 0.0
LAB*LABm 0.01 0.0 0.0
LAB*LABn 0.01 0.0 0.0
LAB*LABo 0.01 0.0 0.0
LAB*LABp 0.01 0.0 0.0
LAB*LABq 0.01 0.0 0.0
LAB*LABr 0.01 0.0 0.0
LAB*LABs 0.01 0.0 0.0
LAB*LABt 0.01 0.0 0.0
LAB*LABu 0.01 0.0 0.0
LAB*LABv 0.01 0.0 0.0
LAB*LABw 0.01 0.0 0.0
LAB*LABx 0.01 0.0 0.0
LAB*LABy 0.01 0.0 0.0
LAB*LABz 0.01 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

 $n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 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 85.73 0.32 19.34
LAB*LABa 85.73 -0.34 19.34
LAB*LABb 85.73 19.34 91.04
LAB*LABc 85.73 19.34 91.04
LAB*LABd 85.73 19.34 91.04
LAB*LABe 85.73 19.34 91.04
LAB*LABf

Anttonen 91/360 = 0.253 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

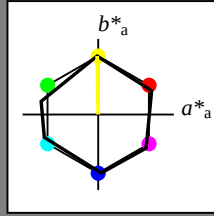
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmetrisches Reflexions-System NCS11

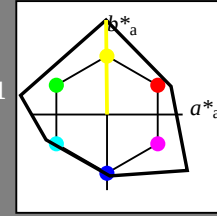
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$

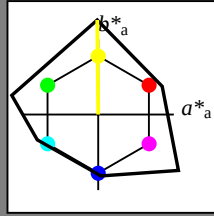
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,\text{rel}} = 46$

$g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$

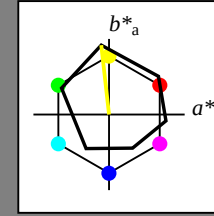
lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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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

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

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

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5 stufige Reihen für konstanten CIELAB Buntton $94/360 = 0.261$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

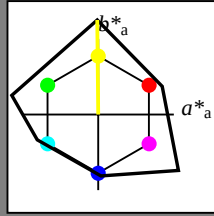
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System TRS18

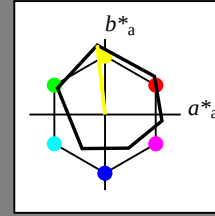
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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TRS18; 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

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

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $91/360 = 0.252$ (links)5 stufige Reihen für konstanten CIELAB Buntton $96/360 = 0.268$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

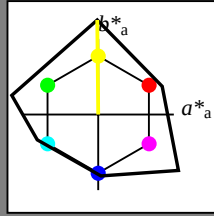
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

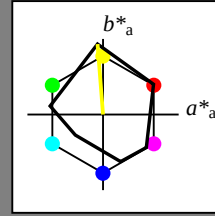
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.262$ lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

1,00

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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

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

1,00

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $91/360 = 0.252$ (links)5 stufige Reihen für konstanten CIELAB Buntton $94/360 = 0.262$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS18

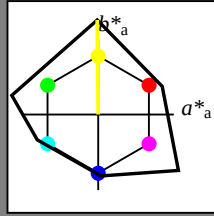
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $91/360 = 0.252$ (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS18

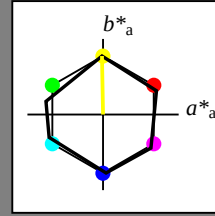
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $91/360 = 0.253$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS18

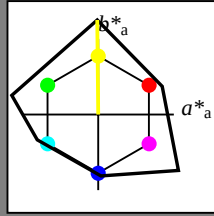
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmimetrisches Reflexions-System NCS18

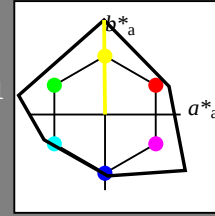
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0
relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 76.07 0.0 0.0
LAB*LABc 76.07 0.0 0.0
relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 56.72 0.0 0.0
LAB*LABc 56.72 0.0 0.0
relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 37.37 0.0 0.0
LAB*LABc 37.37 0.0 0.0
relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 9.01 0.0 0.0
LAB*LABa 9.01 0.0 0.0
LAB*LABb 9.01 0.0 0.0
LAB*LABc 9.01 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 4.50 0.0 0.0
LAB*LABa 4.50 0.0 0.0
LAB*LABb 4.50 0.0 0.0
LAB*LABc 4.50 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 2.25 0.0 0.0
LAB*LABa 2.25 0.0 0.0
LAB*LABb 2.25 0.0 0.0
LAB*LABc 2.25 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 1.12 0.0 0.0
LAB*LABa 1.12 0.0 0.0
LAB*LABb 1.12 0.0 0.0
LAB*LABc 1.12 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 0.56 0.0 0.0
LAB*LABa 0.56 0.0 0.0
LAB*LABb 0.56 0.0 0.0
LAB*LABc 0.56 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 0.28 0.0 0.0
LAB*LABa 0.28 0.0 0.0
LAB*LABb 0.28 0.0 0.0
LAB*LABc 0.28 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 0.14 0.0 0.0
LAB*LABa 0.14 0.0 0.0
LAB*LABb 0.14 0.0 0.0
LAB*LABc 0.14 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 0.07 0.0 0.0
LAB*LABa 0.07 0.0 0.0
LAB*LABb 0.07 0.0 0.0
LAB*LABc 0.07 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.03 0.0 0.0
LAB*LABc 0.03 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

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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 94.39 0.0 0.0
LAB*LABa 94.39 0.0 0.0
LAB*LABb 94.39 0.0 0.0
LAB*LABc 94.39 0.0 0.0
relative CIELAB lab*
lab*lab 0.987 0.002 0.25
lab*tch 0.987 0.002 0.25
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.987 0.002 0.25
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 75.05 0.0 0.0
LAB*LABa 75.05 0.0 0.0
LAB*LABb 75.05 0.0 0.0
LAB*LABc 75.05 0.0 0.0
relative CIELAB lab*
lab*lab 0.737 0.002 0.25
lab*tch 0.737 0.002 0.25
lab*nch 0.25 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.737 0.002 0.25
lab*tce 0.25 0.25 0.25
lab*nce 0.25 0.25 0.25

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 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 56.72 0.0 0.0
LAB*LABc 56.72 0.0 0.0
relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 37.37 0.0 0.0
LAB*LABc 37.37 0.0 0.0
relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 9.01 0.0 0.0
LAB*LABa 9.01 0.0 0.0
LAB*LABb 9.01 0.0 0.0
LAB*LABc 9.01 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce

Eingabe: Farbmetrisches Reflexions-System NCS18

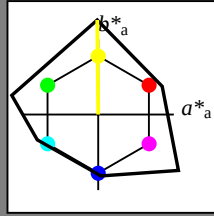
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System NRS11

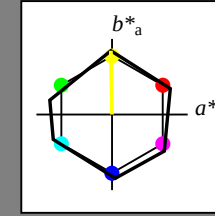
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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relative Inform. Technology (IT)
lab^*a 1.0 1.0 1.0
lab^*b 0.0 0.0 0.0
lab^*c 0.0 0.0 0.0
lab^*n 1.0 1.0 1.0
lab^*tch 0.0 0.0 0.0
lab^*nch 0.0 0.0 0.0
standard and adapted CIELAB
LAB^*L 95.41 0.0 -0.01
LAB^*A 95.41 0.0 0.0
LAB^*B 95.41 0.0 0.0
LAB^*Tch 99.99 0.01 -
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^*trj 1.0 0.0 0.0
lab^*tce 0.0 0.0 -
lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)
lab^*a 0.75 0.75 0.75
lab^*b 0.25 0.25 0.25
lab^*c 0.25 0.25 0.25
lab^*n 1.0 1.0 1.0
lab^*tch 0.0 0.0 0.0
lab^*nch 0.0 0.0 0.0
standard and adapted CIELAB
LAB^*L 74.31 0.0 0.0
LAB^*A 74.31 0.0 0.0
LAB^*B 74.31 0.0 0.0
LAB^*Tch 75.0 0.01 -
relative CIELAB lab*
lab^*lab 0.75 0.0 0.0
lab^*tch 0.75 0.0 -
lab^*nch 0.25 0.0 -
relative Natural Colour (NC)
lab^*trj 0.75 0.0 0.0
lab^*tce 0.25 0.0 -
lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
lab^*a 0.5 0.5 0.5
lab^*b 0.5 0.5 0.5
lab^*c 0.5 0.5 0.5
lab^*n 1.0 1.0 1.0
lab^*tch 0.0 0.0 0.0
lab^*nch 0.0 0.0 0.0
standard and adapted CIELAB
LAB^*L 53.21 0.0 0.0
LAB^*A 53.21 0.0 0.0
LAB^*B 53.21 0.0 0.0
LAB^*Tch 50.0 0.01 -
relative CIELAB lab*
lab^*lab 0.5 0.0 0.0
lab^*tch 0.5 0.0 -
lab^*nch 0.5 0.0 -
relative Natural Colour (NC)
lab^*trj 0.5 0.0 0.0
lab^*tce 0.5 0.0 -
lab^*nce 0.5 0.0 -

relative Inform. Technology (IT)
lab^*a 0.25 0.25 0.25
lab^*b 0.25 0.25 0.25
lab^*c 0.25 0.25 0.25
lab^*n 1.0 1.0 1.0
lab^*tch 0.0 0.0 0.0
lab^*nch 0.0 0.0 0.0
standard and adapted CIELAB
LAB^*L 32.11 0.0 0.0
LAB^*A 32.11 0.0 0.0
LAB^*B 32.11 0.0 0.0
LAB^*Tch 25.0 0.01 -
relative CIELAB lab*
lab^*lab 0.25 0.0 0.0
lab^*tch 0.25 0.0 -
lab^*nch 0.25 0.0 -
relative Natural Colour (NC)
lab^*trj 0.25 0.0 0.0
lab^*tce 0.25 0.0 -
lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
lab^*a 0.25 0.25 0.25
lab^*b 0.25 0.25 0.25
lab^*c 0.25 0.25 0.25
lab^*n 1.0 1.0 1.0
lab^*tch 0.0 0.0 0.0
lab^*nch 0.0 0.0 0.0
standard and adapted CIELAB
LAB^*L 32.11 0.0 0.0
LAB^*A 32.11 0.0 0.0
LAB^*B 32.11 0.0 0.0
LAB^*Tch 25.0 0.01 -
relative CIELAB lab*
lab^*lab 0.25 0.0 0.0
lab^*tch 0.25 0.0 -
lab^*nch 0.25 0.0 -
relative Natural Colour (NC)
lab^*trj 0.25 0.0 0.0
lab^*tce 0.25 0.0 -
lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
lab^*a 0.25 0.25 0.25
lab^*b 0.25 0.25 0.25
lab^*c 0.25 0.25 0.25
lab^*n 1.0 1.0 1.0
lab^*tch 0.0 0.0 0.0
lab^*nch 0.0 0.0 0.0
standard and adapted CIELAB
LAB^*L 32.11 0.0 0.0
LAB^*A 32.11 0.0 0.0
LAB^*B 32.11 0.0 0.0
LAB^*Tch 25.0 0.01 -
relative CIELAB lab*
lab^*lab 0.25 0.0 0.0
lab^*tch 0.25 0.0 -
lab^*nch 0.25 0.0 -
relative Natural Colour (NC)
lab^*trj 0.25 0.0 0.0
lab^*tce 0.25 0.0 -
lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
lab^*a 0.25 0.25 0.25
lab^*b 0.25 0.25 0.25
lab^*c 0.25 0.25 0.25
lab^*n 1.0 1.0 1.0
lab^*tch 0.0 0.0 0.0
lab^*nch 0.0 0.0 0.0
standard and adapted CIELAB
LAB^*L 32.11 0.0 0.0
LAB^*A 32.11 0.0 0.0
LAB^*B 32.11 0.0 0.0
LAB^*Tch 25.0 0.01 -
relative CIELAB lab*
lab^*lab 0.25 0.0 0.0
lab^*tch 0.25 0.0 -
lab^*nch 0.25 0.0 -
relative Natural Colour (NC)
lab^*trj 0.25 0.0 0.0
lab^*tce 0.25 0.0 -
lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
lab^*a 0.25 0.25 0.25
lab^*b 0.25 0.25 0.25
lab^*c 0.25 0.25 0.25
lab^*n 1.0 1.0 1.0
lab^*tch 0.0 0.0 0.0
lab^*nch 0.0 0.0 0.0
standard and adapted CIELAB
LAB^*L 32.11 0.0 0.0
LAB^*A 32.11 0.0 0.0
LAB^*B 32.11 0.0 0.0
LAB^*Tch 25.0 0.01 -
relative CIELAB lab*
lab^*lab 0.25 0.0 0.0
lab^*tch 0.25 0.0 -
lab^*nch 0.25 0.0 -
relative Natural Colour (NC)
lab^*trj 0.25 0.0 0.0
lab^*tce 0.25 0.0 -
lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
lab^*a 0.25 0.25 0.25
lab^*b 0.25 0.25 0.25
lab^*c 0.25 0.25 0.25
lab^*n 1.0 1.0 1.0
lab^*tch 0.0 0.0 0.0
lab^*nch 0.0 0.0 0.0
standard and adapted CIELAB
LAB^*L 32.11 0.0 0.0
LAB^*A 32.11 0.0 0.0
LAB^*B 32.11 0.0 0.0
LAB^*Tch 25.0 0.01 -
relative CIELAB lab*
lab^*lab 0.25 0.0 0.0
lab^*tch 0.25 0.0 -
lab^*nch 0.25 0.0 -
relative Natural Colour (NC)
lab^*trj 0.25 0.0 0.0
lab^*tce 0.25 0.0 -
lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
lab^*a 0.25 0.25 0.25
lab^*b 0.25 0.25 0.25
lab^*c 0.25 0.25 0.25
lab^*n 1.0 1.0 1.0
lab^*tch 0.0 0.0 0.0
lab^*nch 0.0 0.0 0.0
standard and adapted CIELAB
LAB^*L 32.11 0.0 0.0
LAB^*A 32.11 0.0 0.0
LAB^*B 32.11 0.0 0.0
LAB^*Tch 25.0 0.01 -
relative CIELAB lab*
lab^*lab 0.25 0.0 0.0
lab^*tch 0.25 0.0 -
lab^*nch 0.25 0.0 -
relative Natural Colour (NC)
lab^*trj 0.25 0.0 0.0
lab^*tce 0.25 0.0 -
lab^*nce 0.25 0.0 -

relative Inform. Technology (IT)
lab^*a 0.25 0.25 0.25
lab^*b 0.25 0.25 0.25
lab^*c 0.25 0.25 0.25
lab^*n 1.0 1.0 1.0
lab^*tch 0.0 0.0 0.0
lab^*nch 0.0 0.0 0.0
standard and adapted CIELAB
LAB^*L 32.11 0.0 0.0
LAB^*A 32.11 0.0 0.0
LAB^*B 32.11 0.0 0.0
LAB^*Tch 25.0 0.01 -
relative CIELAB lab*
lab^*lab 0.25 0.0 0.0
lab^*tch 0.25 0.0 -
lab^*nch 0.25 0.0 -
relative Natural Colour (NC)
lab^*trj 0.25 0.0 0.0
lab^*

5 stufige Reihen für konstanten CIELAB Buntton $91/360 = 0.252$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$

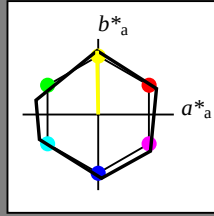
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,\text{rel}} = 47$

$g^*_{C,\text{rel}} = 100$

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$

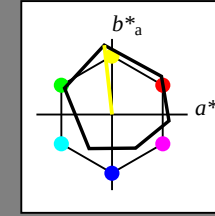
lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

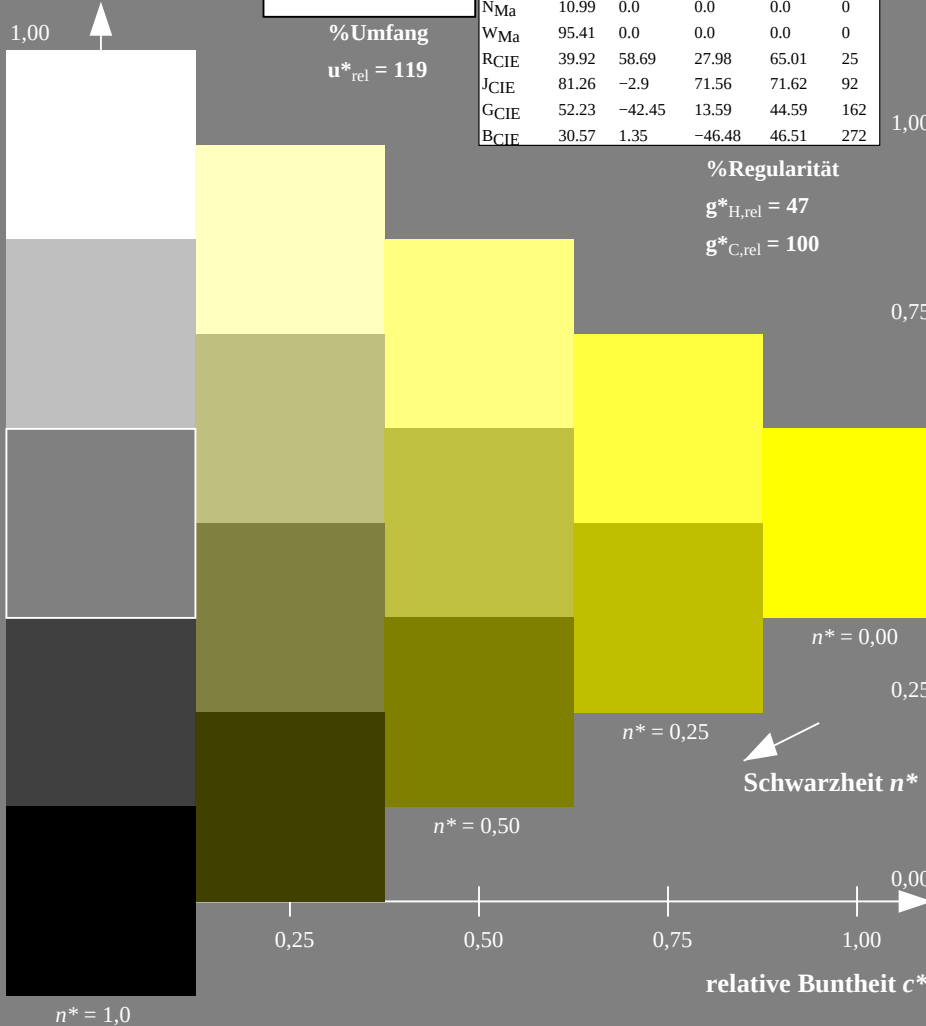
$u^*_{\text{rel}} = 93$

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

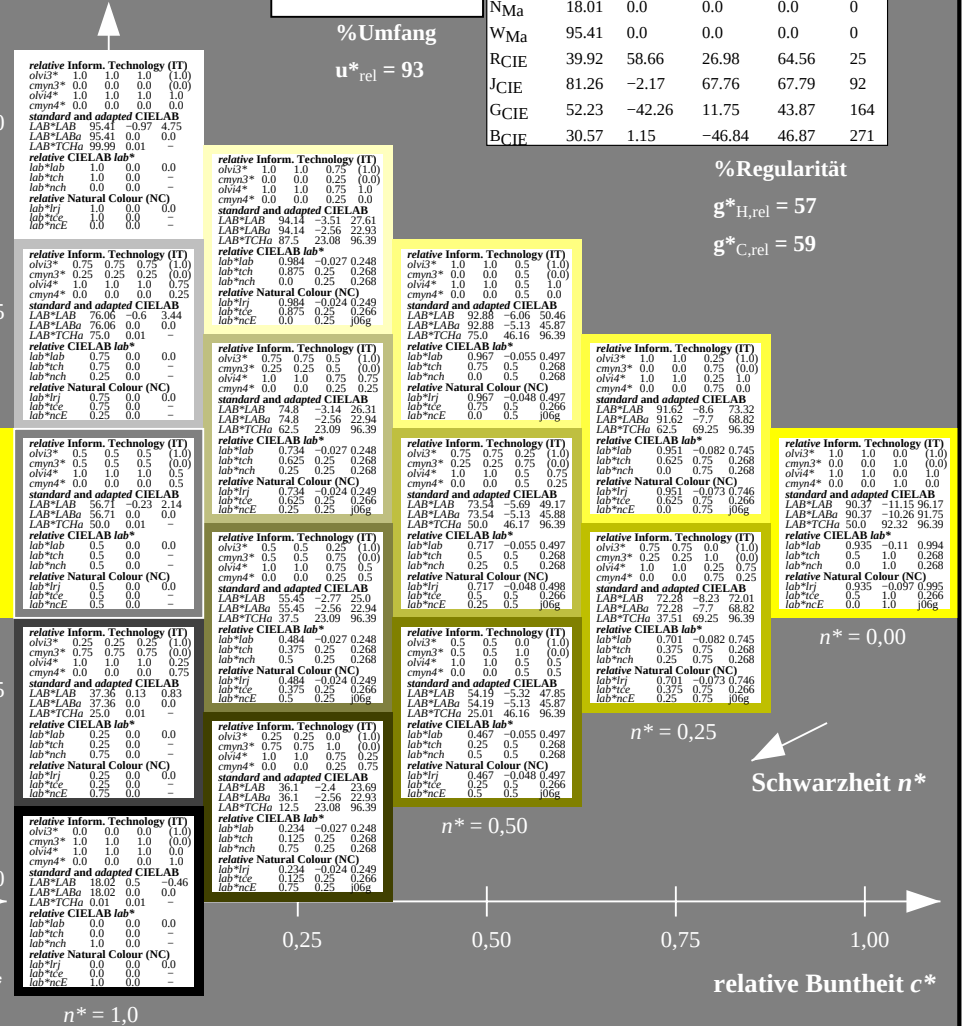
%Regularität

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

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



TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.253 (links)



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

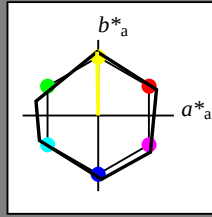
Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$

lab^*tch und lab^*nch

D65: Buntton J
LCH*Ma: 53 84 91
rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,\text{rel}} = 47$

$g^*_{C,\text{rel}} = 100$

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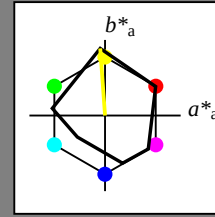
Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = \text{lab}^*h = 94/360 = 0.261$

lab^*tch und lab^*nch

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

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 91$

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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	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.75	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	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*LABb	76.06	0.0	0.0	0.0	0.0
LAB*LABc	76.06	0.0	0.0	0.0	0.0
LAB*LABd	76.06	0.0	0.0	0.0	0.0
LAB*LABe	76.06	0.0	0.0	0.0	0.0
LAB*LABf	76.06	0.0	0.0	0.0	0.0
LAB*LABg	76.06	0.0	0.0	0.0	0.0
LAB*LABh	76.06	0.0	0.0	0.0	0.0
LAB*LABi	76.06	0.0	0.0	0.0	0.0
LAB*LABj	76.06	0.0	0.0	0.0	0.0
LAB*LABk	76.06	0.0	0.0	0.0	0.0
LAB*LABl	76.06	0.0	0.0	0.0	0.0
LAB*LABm	76.06	0.0	0.0	0.0	0.0
LAB*LABn	76.06	0.0	0.0	0.0	0.0
LAB*LABo	76.06	0.0	0.0	0.0	0.0
LAB*LABp	76.06	0.0	0.0	0.0	0.0
LAB*LABq	76.06	0.0	0.0	0.0	0.0
LAB*LABr	76.06	0.0	0.0	0.0	0.0
LAB*LABs	76.06	0.0	0.0	0.0	0.0
LAB*LABt	76.06	0.0	0.0	0.0	0.0
LAB*LABu	76.06	0.0	0.0	0.0	0.0
LAB*LABv	76.06	0.0	0.0	0.0	0.0
LAB*LABw	76.06	0.0	0.0	0.0	0.0
LAB*LABx	76.06	0.0	0.0	0.0	0.0
LAB*LABy	76.06	0.0	0.0	0.0	0.0
LAB*LABz	76.06	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
olvi3*	0.75	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	0.75
cmyn4*	0.0	0.0	0.0	0.0	0.25
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*LABa	76.06	0.0	0.0		

Eingabe: Farbmetrisches Reflexions-System NRS11

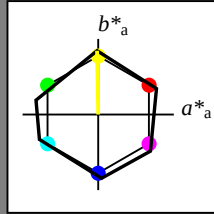
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmetrisches Reflexions-System TRS18

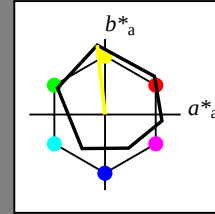
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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TRS18; 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

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

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%Regularität

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%Regularität

 $g^*_{H,\text{rel}}$

Eingabe: Farbmetrisches Reflexions-System NRS11

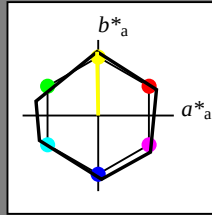
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
J _{CIE}	81.26	-2.9	71.56	71.62	92
G _{CIE}	52.23	-42.45	13.59	44.59	162
B _{CIE}	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

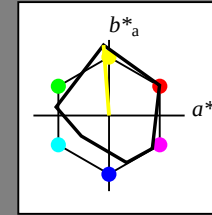
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.262$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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
RCIE	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

%Regularität

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

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.253 (links)

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

Eingabe: Farbmetrisches Reflexions-System NRS11

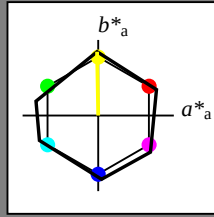
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

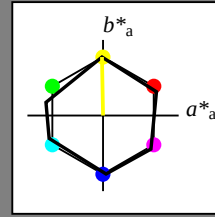
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

0,75

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$

0,25

 $n^* = 0,50$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $91/360 = 0.253$ (links)5 stufige Reihen für konstanten CIELAB Buntton $91/360 = 0.253$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

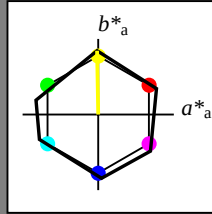
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

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Ausgabe: Farbmetrisches Reflexions-System NCS18

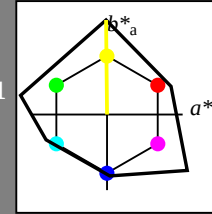
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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

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*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	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	76.07	0.0	0.0	
LAB*LABa	76.07	0.0	0.0	
LAB*TCHa	75.0	0.01	-	

relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	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	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*TCHa	50.0	0.01	-	

relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	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	37.37	0.01	0.01	
LAB*LABa	37.37	0.0	0.0	
LAB*TCHa	25.0	0.01	-	

relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	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	0.09	0.02	
LAB*LABa	18.02	0.0	0.0	
LAB*TCHa	0.01	0.01	-	

relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	1.0	0.0	-	

<i>lab*lrj</i>	0.0	0.0	0.0
<i>lab*lce</i>	0.0	0.0	-
<i>lab*nce</i>	1.0	0.0	-

$n^* = 1,0$

5 stufige Reihe

Eingabe: Farbmimetrisches Reflexions-System NRS11

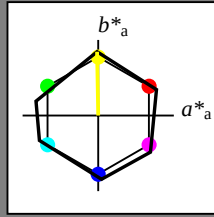
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $91/360 = 0.253$ (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

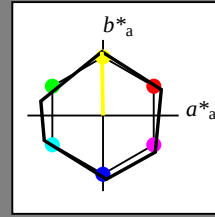
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $91/360 = 0.253$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

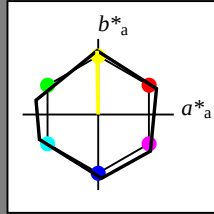
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmetrisches Reflexions-System NCS11

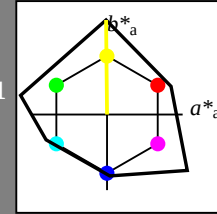
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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

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*trj	1.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	74.31	0.0	0.0	
LAB*LABa	74.31	0.0	0.0	
LAB*TCHa	75.0	0.01	-	

relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	-	
lab*nch	0.25	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.25	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	53.21	0.0	0.0	
LAB*LABa	53.21	0.0	0.0	
LAB*TCHa	50.0	0.01	-	

relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	32.11	0.05	0.01	
LAB*LABa	32.11	0.05	0.01	
LAB*TCHa	25.0	0.01	-	

relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tch	0.25	0.0	-	
lab*nch	0.75	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	
lab*tce	0.25	0.0	-	
lab*nce	0.75	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	11.01	0.07	0.01	
LAB*LABa	11.01	0.07	0.01	
LAB*TCHa	0.01	0.01	-	

relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	-	
lab*nce	1.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.75	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	0.75	1.0
cmyn4*	0.0	0.0	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	94.39	-0.3	31.24	
LAB*LABa	94.39	-0.31	31.24	
LAB*TCRa	87.5	31.25	90.59	

Eingabe: Farbmetrisches Reflexions-System NCS11

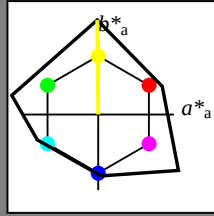
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System ORS18

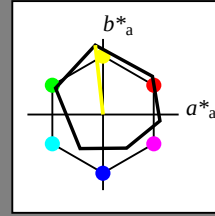
für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

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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

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

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$

0,00

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $91/360 = 0.252$ (links)5 stufige Reihen für konstanten CIELAB Buntton $96/360 = 0.268$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

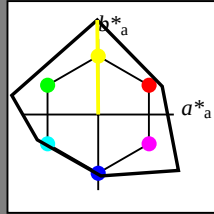
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System MRS18

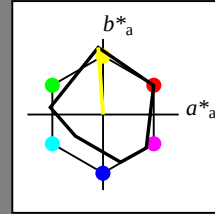
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.261$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$

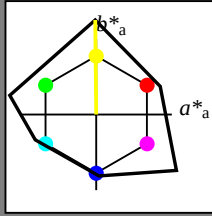
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

1,00

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0,75

0,50

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

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Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = \text{lab}^*h = 96/360 = 0.268$

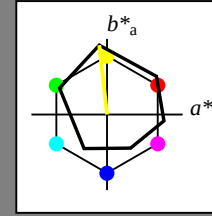
lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

↑

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0,75

0,50

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TRS18; 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

0,50

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relative Buntheit c^*

$n^* = 1,0$

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0,75

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relative Buntheit c^*

$n^* = 1,0$

↑

↓

0,75

0,50

0,25

0,00

0,00

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $91/360 = 0.252$ (links)

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

Eingabe: Farbmetrisches Reflexions-System NCS11

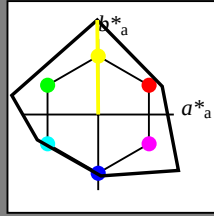
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

1,00

↑

↓

0,75

0,50

0,25

0,00

↓

0,25

0,50

0,75

1,00

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0,25

0,50

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0,75

1,00

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
J _{CIE}	81.26	-2.9	71.56	71.62	92
G _{CIE}	52.23	-42.45	13.59	44.59	162
B _{CIE}	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

1,00

0,75

0,50

0,25

0,00

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0,25

0,50

0,75

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

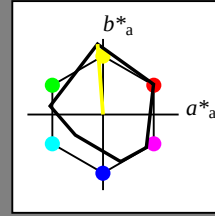
für Buntton $h^* = \text{lab}^*h = 94/360 = 0.262$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

1,00

0,75

0,50

0,25

0,00

↓

0,25

0,50

0,75

1,00

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0,25

0,50

0,75

1,00

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0,25

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1,00

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0,25

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0,75

1,00

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0,25

0,50

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0,25

0,50

0,75

1,00

%Regularität

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

1,00

0,75

0,50

0,25

0,00

↓

0,25

0,50

0,75

1,00

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0,75

1,00

%Regularität

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

1,00

0,75

0,50

0,25

0,00

↓

0,25

0,50

0,75

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1,00

MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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
RCIE	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

%Regularität

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

1,00

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.252 (links)

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

Eingabe: Farbmetrisches Reflexions-System NCS11

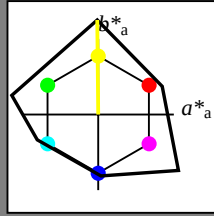
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

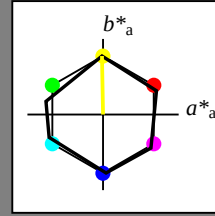
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 77 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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 $n^* = 1,0$

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relative Buntheit c^* Schwarzheit n^*

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^*

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 91/360 = 0.252 (links)

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

Eingabe: Farbmetrisches Reflexions-System NCS11

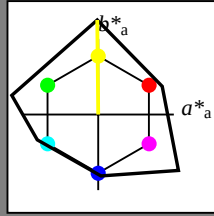
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

1,00

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

1,00

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Ausgabe: Farbmetrisches Reflexions-System NCS18

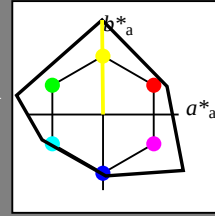
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

1,00

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relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.07 0.0 0.0

LAB*LABa 76.07 0.0 0.0

LAB*LABb 76.07 0.0 0.0

LAB*LABc 76.07 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.72 0.0 0.0

LAB*LABa 56.72 0.0 0.0

LAB*LABb 56.72 0.0 0.0

LAB*LABc 56.72 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 37.37 0.0 0.0

LAB*LABa 37.37 0.0 0.0

LAB*LABb 37.37 0.0 0.0

LAB*LABc 37.37 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 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 37.37 0.0 0.0

LAB*LABa 37.37 0.0 0.0

LAB*LABb 37.37 0.0 0.0

LAB*LABc 37.37 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 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 37.37 0.0 0.0

LAB*LABa 37.37 0.0 0.0

LAB*LABb 37.37 0.0 0.0

LAB*LABc 37.37 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 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 37.37 0.0 0.0

LAB*LABa 37.37 0.0 0.0

LAB*LABb 37.37 0.0 0.0

LAB*LABc 37.37 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 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 37.37 0.0 0.0

LAB*LABa 37.37 0.0 0.0

LAB*LABb 37.37 0.0 0.0

LAB*LABc 37.37 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 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 37.37 0.0 0.0

LAB*LABa 37.37 0.0 0.0

LAB*LABb 37.37 0.0 0.0

LAB*LABc 37.37 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 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 37.37 0.0 0.0

LAB*LABa 37.37 0.0 0.0

LAB*LABb 37.37 0.0 0.0

LAB*LABc 37.37 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 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 37.37 0.0 0.0

LAB*LABa 37.37 0.0 0.0

LAB*LABb 37.37 0.0 0.0

LAB*LABc 37.37 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 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 37.37 0.0 0.0

LAB*LABa 37.37 0.0 0.0

LAB*LABb 37.37 0.0 0.0

LAB*LABc 37.37 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 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 37.37 0.0 0.0

LAB*LABa 37.37 0.0 0.0

LAB*LABb 37.37 0.0 0.0

LAB*LABc 37.37 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 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 93.38 -0.63 62.5

LAB*LABa 93.38 -0.63 62.5

LAB*LABb 93.38 -0.63 62.5

LAB*LABc 93.38 -0.63 62.5

relative CIELAB lab*

lab*lab 0.974 -0.004 0.5

lab*tch 0.75 0.5 0.252

lab*nch 0.0 0.5 0.252

relative Natural Colour (NC)

lab*trj 0.974 0.021 0.499

lab*tce 0.75 0.5 0.243

lab*nce 0.0 0.5 0.243

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 74.04 -0.6 62.52

LAB*LABa 74.04 -0.63 62.51

LAB*LABb 74.04 -0.63 62.51

LAB*LABc 74.04 -0.63 62.51

relative CIELAB lab*

lab*lab 0.724 -0.004 0.5

lab*tch 0.724 0.5 0.252

lab*nch 0.25 0.5 0.252

relative Natural Colour (NC)

lab*trj 0.724 0.021 0.5

lab*tce 0.5 0.5 0.243

lab*nce 0.25 0.5 0.243

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 56.72 0.0 0.0

LAB*LABa 56.72 0.0 0.0

LAB*LABb 56.72 0.0 0.0

LAB*LABc 56.72 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

Eingabe: Farbmetrisches Reflexions-System NCS11

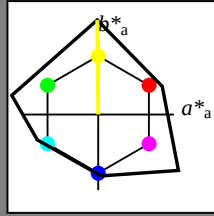
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System NRS11

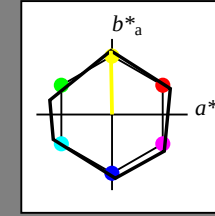
für Buntton $h^* = \text{lab}^*h = 91/360 = 0.253$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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 $n^* = 1,0$

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relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$

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 $n^* = 0,25$ $n^* = 0,50$

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 $n^* = 1,0$

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relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$

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 $n^* = 0,25$ $n^* = 0,50$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $91/360 = 0.252$ (links)5 stufige Reihen für konstanten CIELAB Buntton $91/360 = 0.253$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = \text{lab}^*h = 91/360 = 0.252$

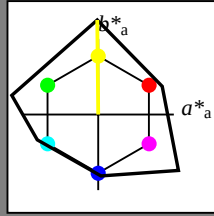
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 125 91

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

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Eingabe: Farbmimetrisches Reflexions-System ORS18

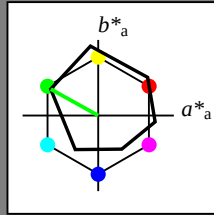
für Buntton $h^* = lab \cdot h = 151/360 = 0.419$

$lab \cdot tch$ und $lab \cdot nch$

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

Dreiecks-Helligkeit

1,00



%Umfang

$u^*_{rel} = 93$

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

%Regularität

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

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

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	0.0	
LAB*TCMa	99.99	0.01	-	-	
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*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	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	0.0	0.0	0.0	
LAB*LABa	76.06	0.0	0.0	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	-		
lab*nch	0.25	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	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	0.0	0.0	0.0	
LAB*LABa	56.71	0.0	0.0	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	-		
lab*nch	0.5	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	-		
lab*nce	0.5	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	0.0	0.0	0.0	
LAB*LABa	37.36	0.0	0.0	0.0	
LAB*TCMa	25.0	0.01	-	-	
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.75	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.75	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	0.0	0.0	0.0	
LAB*LABa	18.02	0.0	0.0	0.0	
LAB*TCMa	0.01	0.01	-	-	
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	1.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	1.0	0.0	-		

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmimetrisches Reflexions-System ORS18

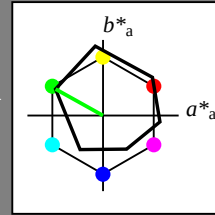
für Buntton $h^* = lab \cdot h = 151/360 = 0.419$

$lab \cdot tch$ und $lab \cdot nch$

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

Dreiecks-Helligkeit

1,00



%Umfang

$u^*_{rel} = 93$

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

%Regularität

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

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

relative Inform. Technology (IT)					
olvi3*	0.75	1.0	0.75	(1.0)	
cmyn3*	0.25	0.0	0.25	(0.0)	
olvi4*	0.75	1.0	0.75	(1.0)	
cmyn4*	0.25	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	84.28	-16.45	12.74	0.0	
LAB*LABa	84.28	-16.45	12.74	0.0	
LAB*TCMa	87.5	17.96	150.91	0.0	
relative CIELAB lab*					
lab*lab	0.856	-0.217	0.122		
lab*tch	0.875	0.25	0.419		
lab*nch	0.0	0.25	0.419		
relative Natural Colour (NC)					
lab*trj	0.856	-0.217	0.122		
lab*tce	0.875	0.25	0.419		
lab*nce	0.0	0.25	0.419		

relative Inform. Technology (IT)					
olvi3*	0.5	0.75	0.5	(1.0)	
cmyn3*	0.5	0.25	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	64.93	-16.09	11.44	0.0	
LAB*LABa	64.93	-16.09	11.44	0.0	
LAB*TCMa	62.5	17.97	150.91	0.0	
relative CIELAB lab*					
lab*lab	0.606	-0.217	0.122		
lab*tch	0.625	0.25	0.419		
lab*nch	0.25	0.25	0.419		
relative Natural Colour (NC)					
lab*trj	0.606	-0.217	0.122		
lab*tce	0.625	0.25	0.419		
lab*nce	0.25	0.25	0.419		

relative Inform. Technology (IT)					
olvi3*	0.25	0.5	0.25	(1.0)	
cmyn3*	0.75	0.5	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.8	-31.57	19.42	0.0	
LAB*LABa	53.8	-31.57	19.42	0.0	
LAB*TCMa	50.0	35.94	150.91	0.0	
relative CIELAB lab*					
lab*lab	0.462	-0.436	0.243		
lab*tch	0.475	0.25	0.419		
lab*nch	0.25	0.5	0.419		
relative Natural Colour (NC)					
lab*trj	0.462	-0.436	0.243		
lab*tce	0.475	0.25	0.419		
lab*nce	0.25	0.5	0.419		

relative Inform. Technology (IT)					
olvi3*	0.0	0.25	0.0	(1.0)	
cmyn3*	1.0	0.75	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	26.24	-15.34	8.82	0.0	
LAB*LABa	26.24	-15.34	8.82	0.0	
LAB*TCMa	12.5	17.96	150.91	0.0	
relative CIELAB lab*					
lab*lab	0.106	-0.217	0.122		
lab*tch	0.125	0.25	0.419		
lab*nch	0.75	0.25	0.419		
relative Natural Colour (NC)					
lab*trj	0.106	-0.217	0.122		
lab*tce	0.125	0.25	0.419		
lab*nce	0.75	0.25	0.419		

0,25
n für konstanten CIE

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

Eingabe: Farbmetrisches 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

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

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

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

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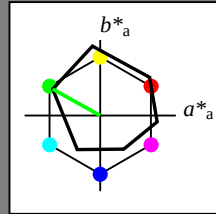
relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)



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)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

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Ausgabe: Farbmetrisches Reflexions-System TRS18

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

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

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

relative Inform. Technology (IT)

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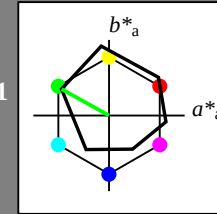
relative Inform. Technology (IT)

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relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)



TRS18; 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)

relative Inform. Technology (IT)

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

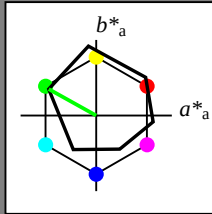
für Buntton $h^* = lab^*h = 151/360 = 0.419$

lab^*ch und lab^*nch

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

Dreiecks-Helligkeit

1,00



%Umfang

$u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

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

%Regularität

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

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

1,00

0,75

0,50

0,25

0,00

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

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relative Buntheit c^*

$n^* = 0,00$

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relative Buntheit c^*

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relative Buntheit c^*

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relative Buntheit c^*

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relative Buntheit c^*

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relative Buntheit c^*

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relative Buntheit c^*

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relative Buntheit c^*

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relative Buntheit c^*

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relative Buntheit c^*

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relative Buntheit c^*

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relative Buntheit c^*

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relative Buntheit c^*

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relative Buntheit c^*

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relative Buntheit c^*

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relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,25$

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relative Bun

5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (rechts)

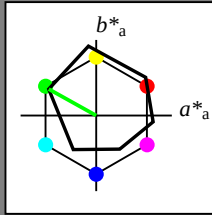
Eingabe: Farbmetrisches Reflexions-System ORS18

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

lab^*ch und lab^*nch

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

Dreiecks-Helligkeit



%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

0,75

0,25

0,00

relative Buntheit c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,00$

$n^* = 1,0$

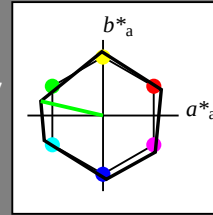
Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 167/360 = 0.464$

lab^*ch und lab^*nch

D65: Buntton G
LCH*Ma: 53 84 167
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

1,00

0,75

0,25

0,00

relative Buntheit c^*

$n^* = 1,0$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

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

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $151/360 = 0.419$ (links)

Eingabe: Farbmetrisches Reflexions-System MRS18

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

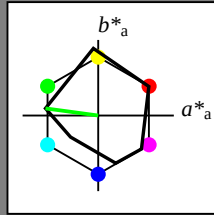
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

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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

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

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

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Ausgabe: Farbmetrisches Reflexions-System ORS18

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

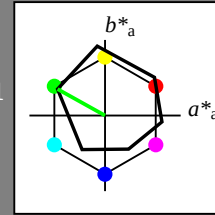
lab^*tch und lab^*nch

D65: Buntton L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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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

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

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

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Eingabe: Farbmetrisches Reflexions-System MRS18

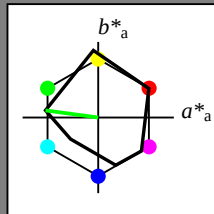
für Buntton $h^* = lab^*h = 172/360 = 0.479$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%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

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $172/360 = 0.479$ (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

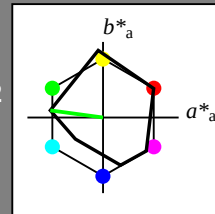
für Buntton $h^* = lab^*h = 172/360 = 0.479$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $172/360 = 0.479$ (rechts)

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

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

Eingabe: Farbmimetrisches Reflexions-System MRS18

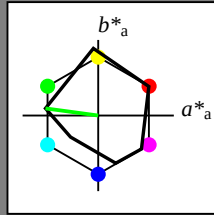
für Buntton $h^* = \text{lab}^*h = 172/360 = 0.479$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $172/360 = 0.479$ (links)

Ausgabe: Farbmimetrisches Reflexions-System TRS18

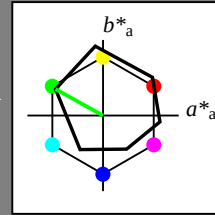
für Buntton $h^* = \text{lab}^*h = 151/360 = 0.419$ lab^*tch und lab^*nch

D65: Buntton L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $151/360 = 0.419$ (rechts)

TRS18; 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

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

Eingabe: Farbmetrisches Reflexions-System MRS18

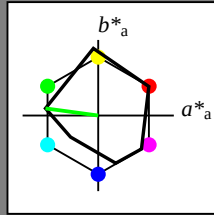
für Buntton $h^* = lab^*h = 172/360 = 0.479$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%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

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $172/360 = 0.479$ (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

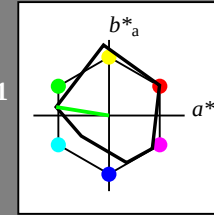
für Buntton $h^* = lab^*h = 171/360 = 0.475$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 92$

1,00

0,75

%Regularität

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $171/360 = 0.475$ (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

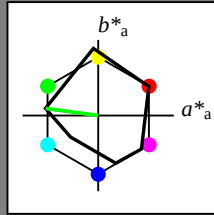
für Buntton $h^* = lab^*h = 172/360 = 0.479$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

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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

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

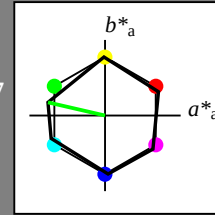
für Buntton $h^* = lab^*h = 167/360 = 0.464$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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relative Buntheit c^* relative Buntheit c^*

Eingabe: Farbmetrisches Reflexions-System MRS18

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

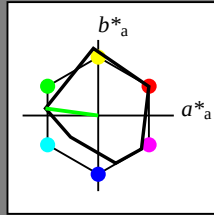
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 167/360 = 0.465$

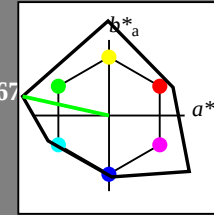
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

1,00

0,75

%Regularität

$g^*_{H,rel} = 46$

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

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCBa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCBa 75.0 0.01 -

relative CIELAB lab*

lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 -
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*nce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCBa 50.0 0.01 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 -
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.07 0.01
LAB*LABa 37.37 0.07 0.01
LAB*TCBa 25.0 0.01 -

relative CIELAB lab*

lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 -
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0
lab*nce 0.25 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.09 0.02
LAB*LABa 18.02 0.09 0.02
LAB*TCBa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

$n^* = 1,0$

relative Inform. Technology (IT)

olvi3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 87.32 -28.53 6.33
LAB*LABa 87.32 -28.53 6.33
LAB*TCBa 87.5 29.26 167.5

relative CIELAB lab*

lab*lab 0.895 -0.243 0.054
lab*ch 0.875 0.25 0.465
lab*nch 0.0 0.25 0.465
relative Natural Colour (NC)
lab*trj 0.895 -0.248 -0.018
lab*nce 0.895 0.25 0.512
lab*nce 0.0 0.25 0.465

relative Inform. Technology (IT)

olvi3* 0.5 0.75 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 0.25
standard and adapted CIELAB
LAB*LAB 67.97 -28.52 6.34
LAB*LABa 67.97 -28.52 6.34
LAB*TCBa 62.5 29.27 167.5

relative CIELAB lab*

lab*lab 0.646 -0.243 0.054
lab*ch 0.625 0.25 0.465
lab*nch 0.25 0.25 0.465
relative Natural Colour (NC)
lab*trj 0.646 -0.248 -0.018
lab*nce 0.625 0.25 0.512
lab*nce 0.25 0.25 0.465

relative Inform. Technology (IT)

olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.5 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 59.89 -57.09 12.68
LAB*LABa 59.89 -57.14 12.67
LAB*TCBa 50.0 58.52 167.5

relative CIELAB lab*

lab*lab 0.541 -0.487 0.108
lab*ch 0.541 0.25 0.465
lab*nch 0.25 0.5 0.465
relative Natural Colour (NC)
lab*trj 0.541 -0.498 -0.037
lab*nce 0.541 0.25 0.512
lab*nce 0.25 0.5 0.465

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 29.28 -28.47 6.36
LAB*LABa 29.28 -28.55 6.33
LAB*TCBa 12.5 29.26 167.5

relative CIELAB lab*

lab*lab 0.146 -0.243 0.054
lab*ch 0.125 0.25 0.465
lab*nch 0.75 0.25 0.465
relative Natural Colour (NC)
lab*trj 0.146 -0.248 -0.018
lab*nce 0.125 0.25 0.512
lab*nce 0.75 0.25 0.465

relative Inform. Technology (IT)

olvi3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 79.24 -57.1 12.67
LAB*LABa 79.24 -57.13 12.67
LAB*TCBa 75.0 58.52 167.5

relative CIELAB lab*

lab*lab 0.791 -0.487 0.108
lab*ch 0.75 0.25 0.465
lab*nch 0.0 0.25 0.465
relative Natural Colour (NC)
lab*trj 0.791 -0.497 -0.037
lab*nce 0.791 0.25 0.512
lab*nce 0.0 0.25 0.465

relative Inform. Technology (IT)

olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 59.89 -57.09 12.68
LAB*LABa 59.89 -57.14 12.67
LAB*TCBa 50.0 58.52 167.5

relative CIELAB lab*

lab*lab 0.541 -0.487 0.108
lab*ch 0.541 0.25 0.465
lab*nch 0.25 0.5 0.465
relative Natural Colour (NC)
lab*trj 0.541 -0.498 -0.037
lab*nce 0.541 0.25 0.512
lab*nce 0.25 0.5 0.465

relative Inform. Technology (IT)

olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.25 1.0 (0.0)
olvi4* 0.25 1.0 0.25 0.75
cmyn4* 0.75 0.0 0.75 0.25
standard and adapted CIELAB
LAB*LAB 63.07 -114.225 35
LAB*LABa 63.07 -114.225 35
LAB*TCBa 50.0 117.05 167.5

relative CIELAB lab*

lab*lab 0.437 -0.731 0.162
lab*ch 0.375 0.75 0.465
lab*nch 0.25 0.75 0.465
relative Natural Colour (NC)
lab*trj 0.437 -0.747 -0.055
lab*nce 0.375 0.75 0.512
lab*nce 0.25 0.75 0.465

relative Inform. Technology (IT)

olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.75 1.0 (0.0)
olvi4* 0.25 0.5 0.25 0.75
cmyn4* 0.5 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 40.54 -57.13 12.67
LAB*LABa 40.54 -57.13 12.67
LAB*TCBa 25.01 58.52 167.5

relative CIELAB lab*

lab*lab 0.291 -0.487 0.108
lab*ch 0.25 0.5 0.465
lab*nch 0.5 0.5 0.465
relative Natural Colour (NC)
lab*trj 0.291 -0.497 -0.037
lab*nce 0.25 0.5 0.512
lab*nce 0.5 0.5 0.465

relative Inform. Technology (IT)

olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.75 1.0 (0.0)
olvi4* 0.25 0.5 0.25 0.75
cmyn4* 0.5 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 40.54 -57.13 12.67
LAB*LABa 40.54 -57.13 12.67
LAB*TCBa 25.01 58.52 167.5

relative CIELAB lab*

lab*lab 0.291 -0.487 0.108
lab*ch 0.25 0.5 0.465
lab*nch 0.5 0.5 0.465
relative Natural Colour (NC)
lab*trj 0.291 -0.497 -0.037
lab*nce 0.25 0.5 0.512
lab*nce 0.5 0.5 0.465

relative Inform. Technology (IT)

olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.75 1.0 (0.0)
olvi4* 0.25 0.5 0.25 0.75
cmyn4* 0.5 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 40.54 -57.13 12.67
LAB*LABa 40.54 -57.13 12.67
LAB*TCBa 25.01 58.52 167.5

relative CIELAB lab*

lab*lab 0.291 -0.487 0.108
lab*ch 0.25 0.5 0.465
lab*nch 0.5 0.5 0.465
relative Natural Colour (NC)
lab*trj 0.291 -0.497 -0.037
lab*nce 0.25 0.5 0.512
lab*nce 0.5 0.5 0.465

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 172/360 = 0.479 (links)

5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (rechts)

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

Eingabe: Farbmetrisches Reflexions-System MRS18

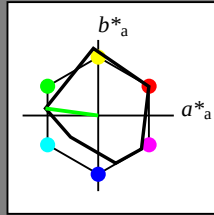
für Buntton $h^* = lab^*h = 172/360 = 0.479$ lab^*ch und lab^*nch

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

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS11

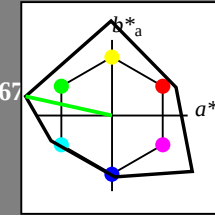
für Buntton $h^* = lab^*h = 167/360 = 0.465$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

1,00

0,75

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $172/360 = 0.479$ (links)5 stufige Reihen für konstanten CIELAB Buntton $167/360 = 0.465$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System TRS18

für Buntton $h^* = lab \cdot h = 151/360 = 0.419$ $lab \cdot tch$ und $lab \cdot nch$

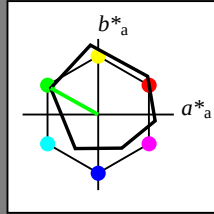
D65: Buntton L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 93$

TRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
OMa	47.94	65.37	50.52	82.62	38	
YMa	90.37	-10.27	91.77	92.34	96	
LMa	50.9	-62.79	34.95	71.87	151	
CMa	58.62	-30.35	-45.01	54.3	236	
VMa	25.71	31.11	-44.42	54.24	305	
MMa	48.13	75.27	-8.35	75.73	354	
NMa	18.01	0.0	0.0	0.0	0	
WMa	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.66	26.98	64.56	25	
JCIE	81.26	-2.17	67.76	67.79	92	
GCIE	52.23	-42.26	11.75	43.87	164	
BCIE	30.57	1.15	-46.84	46.87	271	

%Regularität

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

1,00

relative Inform. Technology (IT)						
olvi3*	1.0	1.0	1.0	(1.0)		
cmyn3*	0.0	0.0	0.0	(0.0)		
olvi4*	1.0	1.0	1.0	(1.0)		
cmyn4*	0.0	0.0	0.0	(0.0)		
standard and adapted CIELAB						
LAB*LAB	95.41	0.0	0.0	0.0		
LAB*LABa	95.41	0.0	0.0	0.0		
LAB*TCMa	99.99	0.01	-	-		
relative CIELAB lab*						
lab*lab	1.0	0.0	0.0			
lab*tch	1.0	0.0	-			
lab*nch	0.0	0.0	0.0			
cmyn4*	0.0	0.0	0.0	0.25		
relative Natural Colour (NC)						
lab*trj	1.0	0.0	0.0			
lab*tce	0.0	0.0	0.0			
lab*nce	0.0	0.0	0.0			

relative Inform. Technology (IT)						
olvi3*	0.75	0.75	0.75	(1.0)		
cmyn3*	0.25	0.25	0.25	(0.0)		
olvi4*	1.0	1.0	1.0	(1.0)		
cmyn4*	0.0	0.0	0.0	0.25		
standard and adapted CIELAB						
LAB*LAB	76.06	0.0	0.0	0.0		
LAB*LABa	76.06	0.0	0.0	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	-			
lab*nch	0.25	0.0	0.0			
cmyn4*	0.0	0.0	0.0	0.25		
relative Natural Colour (NC)						
lab*trj	0.75	0.0	0.0			
lab*tce	0.25	0.0	0.0			
lab*nce	0.25	0.0	0.0			

relative Inform. Technology (IT)						
olvi3*	0.5	0.5	0.5	(1.0)		
cmyn3*	0.5	0.5	0.5	(0.0)		
olvi4*	1.0	1.0	1.0	(1.0)		
cmyn4*	0.0	0.0	0.0	0.5		
standard and adapted CIELAB						
LAB*LAB	56.71	0.0	0.0	0.0		
LAB*LABa	56.71	0.0	0.0	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	-			
lab*nch	0.5	0.0	0.0			
cmyn4*	0.0	0.0	0.0	0.5		
relative Natural Colour (NC)						
lab*trj	0.5	0.0	0.0			
lab*tce	0.5	0.0	0.0			
lab*nce	0.5	0.0	0.0			

relative Inform. Technology (IT)						
olvi3*	0.25	0.25	0.25	(1.0)		
cmyn3*	0.75	0.75	0.75	(0.0)		
olvi4*	1.0	1.0	1.0	(1.0)		
cmyn4*	0.0	0.0	0.0	0.75		
standard and adapted CIELAB						
LAB*LAB	37.36	0.0	0.0	0.0		
LAB*LABa	37.36	0.0	0.0	0.0		
LAB*TCMa	25.0	0.01	-	-		
relative CIELAB lab*						
lab*lab	0.25	0.0	0.0			
lab*tch	0.25	0.0	-			
lab*nch	0.25	0.0	0.0			
cmyn4*	0.0	0.0	0.0	0.75		
relative Natural Colour (NC)						
lab*trj	0.25	0.0	0.0			
lab*tce	0.25	0.0	0.0			
lab*nce	0.25	0.0	0.0			

relative Inform. Technology (IT)						
olvi3*	0.0	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	1.0		
standard and adapted CIELAB						
LAB*LAB	18.02	0.0	0.0	0.0		
LAB*LABa	18.02	0.0	0.0	0.0		
LAB*TCMa	0.01	0.01	-	-		
relative CIELAB lab*						
lab*lab	0.0	0.0	0.0			
lab*tch	0.0	0.0	-			
lab*nch	1.0	0.0	0.0			
cmyn4*	0.0	0.0	0.0	1.0		
relative Natural Colour (NC)						
lab*trj	0.0	0.0	0.0			
lab*tce	0.0	0.0	0.0			
lab*nce	1.0	0.0	0.0			

 $n^* = 1,0$

Ausgabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = lab \cdot h = 151/360 = 0.419$ $lab \cdot tch$ und $lab \cdot nch$

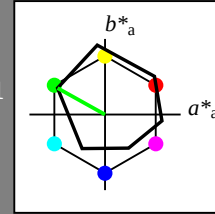
D65: Buntton L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 93$

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

%Regularität

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

0,75

relative Inform. Technology (IT)						
olvi3*	0.75	1.0	0.75	(1.0)		
cmyn3*	0.25	0.0	0.25	(0.0)		
olvi4*	0.75	1.0	0.75	(1.0)		
cmyn4*	0.25	0.0	0.25	0.0		
standard and adapted CIELAB						
LAB*LAB	84.28	-16.45	12.74			
LAB*LABa	84.28	-16.45	12.74			
LAB*TCMa	87.5	17.96	150.91			
relative CIELAB lab*						
lab*lab	0.856	-0.217	0.122			
lab*tch	0.875	0.25	0.419			
lab*nch	0.0	0.25	0.419			
cmyn4*	0.5	0.0	0.5	0.0		
relative Natural Colour (NC)						
lab*trj	0.856	-0.217	0.122			
lab*tce	0.875	0.25	0.419			
lab*nce	0.0	0.25	0.419			

relative Inform. Technology (IT)						
olvi3*	0.5	0.75	0.5	(1.0)		
cmyn3*	0.5	0.25	0.5	(0.0)		
olvi4*	1.0	0.75	0.75	(1.0)		
cmyn4*	0.25	0.0	0.25	0.25		
standard and adapted CIELAB						
LAB*LAB	64.93	-16.09	11.44			
LAB*LABa	64.93	-16.09	11.44			
LAB*TCMa	62.5	17.97	150.91			
relative CIELAB lab*						
lab*lab	0.606	-0.217	0.122			
lab*tch	0.625	0.25	0.419			
lab*nch	0.25	0.25	0.419			
cmyn4*	0.5	0.0	0.5	0.25		
relative Natural Colour (NC)						
lab*trj	0.606	-0.217	0.122			
lab*tce	0.625	0.25	0.419			
lab*nce	0.25	0.25	0.419			

relative Inform. Technology (IT)						
olvi3*	0.25	0.5	0.25	(1.0)		
cmyn3*	0.75	0.5	0.75	(0.0)		
olvi4*	1.0	0.5	0.5	(1.0)		
cmyn4*	0.25	0.0	0.25	0.5		
standard and adapted CIELAB						
LAB*LAB	53.8	-31.57	19.42			
LAB*LABa	53.8	-31.57	19.42			
LAB*TCMa	50.0	35.94	150.91			
relative CIELAB lab*						
lab*lab	0.462	-0.436	0.243			
lab*tch	0.475	0.25	0.419			
lab*nch	0.25	0.5	0.419			
cmyn4*	0.5	0.0	0.5	0.25		
relative Natural Colour (NC)						
lab*trj	0.462	-0.436	0.243			
lab*tce	0.475	0.25	0.419			
lab*nce	0.25	0.5	0.419			

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	26.24	-15.34	8.82	
LAB*LABa	26.24	-15.68	8.73	
LAB*TCMa	12.5	17.96	150.91	
relative CIELAB lab*				
lab*lab	0.106	-0.217	0.122	
lab*tch	0.125	0.25	0.419	
lab*nch	0.75	0.25	0.419	
relative Natural Colour (NC)				
lab*lrj	0.106	-0.238	0.072	
lab*tce	0.125	0.25	0.453	
lab*nce	0.75	0.25	0.819	

Eingabe: Farbmimetrisches Reflexions-System TRS18

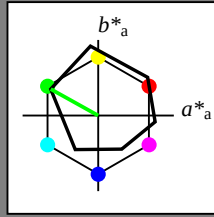
für Buntton $h^* = lab^*h = 151/360 = 0.419$ lab^*tch und lab^*nch

D65: Buntton L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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TRS18; 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

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

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Ausgabe: Farbmimetrisches Reflexions-System MRS18

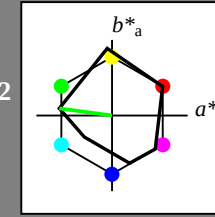
für Buntton $h^* = lab^*h = 172/360 = 0.479$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

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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
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
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

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

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 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

%Regularität

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

Eingabe: Farbmimetrisches Reflexions-System TRS18

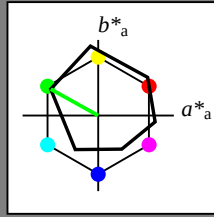
für Buntton $h^* = lab^*h = 151/360 = 0.419$ lab^*ch und lab^*nch

D65: Buntton L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



TRS18; 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

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

Ausgabe: Farbmimetrisches Reflexions-System NCS18

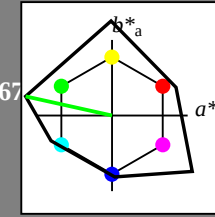
für Buntton $h^* = lab^*h = 167/360 = 0.465$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (rechts)

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

Eingabe: Farbmimetrisches Reflexions-System TRS18

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

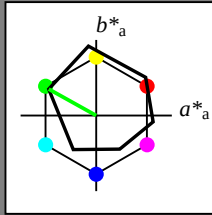
lab^*ch und lab^*nch

D65: Buntton L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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TRS18; 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

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

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

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Ausgabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 167/360 = 0.465$

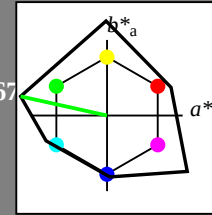
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

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Eingabe: Farbmetrisches Reflexions-System MRS18a

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

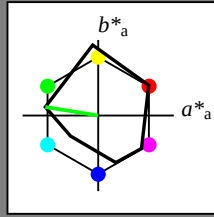
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

1,00

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0,75

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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

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Ausgabe: Farbmetrisches Reflexions-System ORS18

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

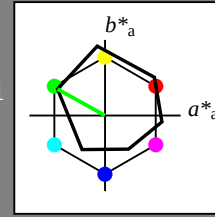
lab^*tch und lab^*nch

D65: Buntton L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

0,75

0,50

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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

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

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

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%Regularität

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

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

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 171/360 = 0.475 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

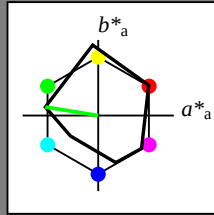
für Buntton $h^* = lab^*h = 171/360 = 0.475$ lab^*tch und lab^*nch

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
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^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $171/360 = 0.475$ (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

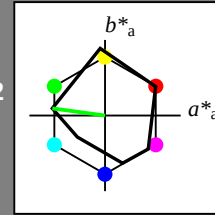
für Buntton $h^* = lab^*h = 172/360 = 0.479$ lab^*tch und lab^*nch

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

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $172/360 = 0.479$ (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

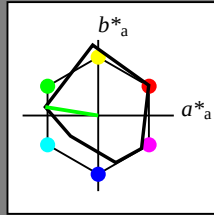
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

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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

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

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

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Ausgabe: Farbmetrisches Reflexions-System TRS18

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

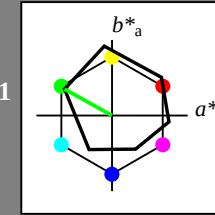
lab^*tch und lab^*nch

D65: Buntton L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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TRS18; 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
L _{Ma}	50.9	-62.79	34.95	71.87	151
C _{Ma}	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

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

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

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Eingabe: Farbmetrisches Reflexions-System MRS18a

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

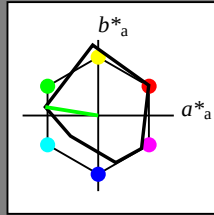
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

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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

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

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

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

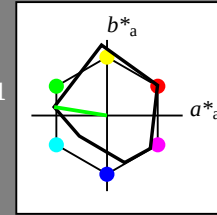
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

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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

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

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

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $171/360 = 0.475$ (links)

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

Eingabe: Farbmetrisches Reflexions-System MRS18a

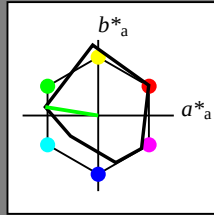
für Buntton $h^* = lab^*h = 171/360 = 0.475$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 92$

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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

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

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Ausgabe: Farbmetrisches Reflexions-System NRS18

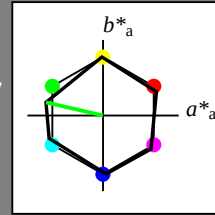
für Buntton $h^* = lab^*h = 167/360 = 0.464$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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%Regularität

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 171/360 = 0.475 (links)

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

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

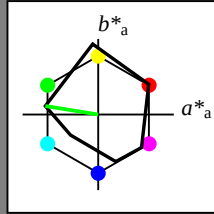
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%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
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

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 167/360 = 0.465$

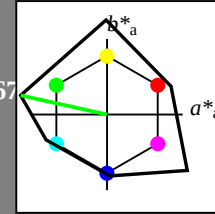
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

1,00

0,75

%Regularität

$g^*_{H,rel} = 46$

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

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

%Regularität

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

0,25

$n^* = 0,25$

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

%Umfang

$u^*_{rel} = 136$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 171/360 = 0.475 (links)

5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

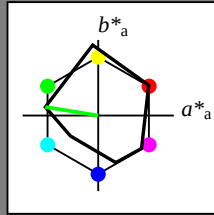
für Buntton $h^* = lab^*h = 171/360 = 0.475$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%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
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^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS11

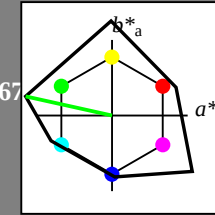
für Buntton $h^* = lab^*h = 167/360 = 0.465$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $171/360 = 0.475$ (links)5 stufige Reihen für konstanten CIELAB Buntton $167/360 = 0.465$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 167/360 = 0.464$

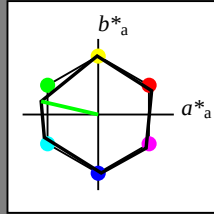
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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Ausgabe: Farbmetrisches Reflexions-System ORS18

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

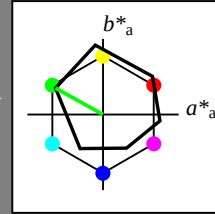
lab^*tch und lab^*nch

D65: Buntton L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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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

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

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

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.464 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = lab \cdot h = 167/360 = 0.464$

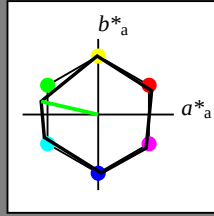
$lab \cdot tch$ und $lab \cdot nch$

D65: Buntton G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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Ausgabe: Farbmimetrisches Reflexions-System TRS18

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

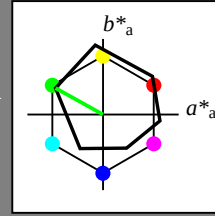
$lab \cdot tch$ und $lab \cdot nch$

D65: Buntton L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

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TRS18; 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

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

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

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.464 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

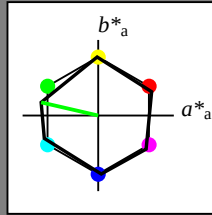
für Buntton $h^* = lab^*h = 167/360 = 0.464$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

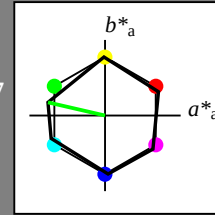
für Buntton $h^* = lab^*h = 167/360 = 0.464$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

1,00

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

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 $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.464 (links)

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

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 167/360 = 0.464$

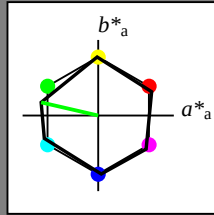
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 167/360 = 0.465$

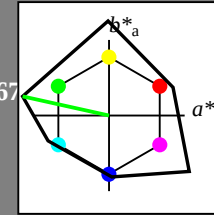
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



NCS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
R _{Ma}	47.15	84.63	37.24	92.46	24	
J _{Ma}	91.37	-1.27	125.03	125.03	91	
G _{Ma}	63.07	-114.29	25.34	117.07	167	
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203	
B _{Ma}	49.01	3.63	-81.2	81.29	273	
B50R _{Ma}	44.06	106.07	-73.94	129.31	325	
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

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.464 (links)

5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 167/360 = 0.464$

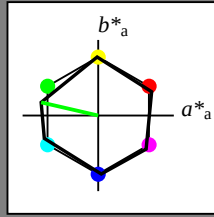
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 167/360 = 0.465$

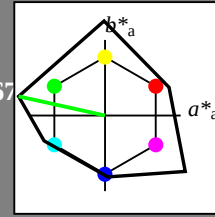
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

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%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

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$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.464 (links)

5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 167/360 = 0.465$

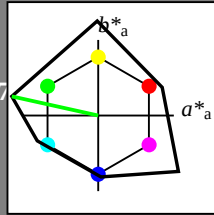
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

1,00

0,75

0,25

0,00

relative Buntheit c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,00$

Ausgabe: Farbmimetrisches Reflexions-System ORS18

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

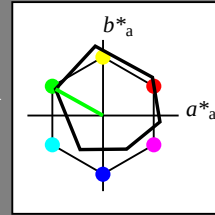
lab^*tch und lab^*nch

D65: Buntton L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%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

0,75

0,25

0,00

relative Buntheit c^*

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,00$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

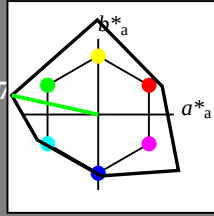
für Buntton $h^* = lab^*h = 167/360 = 0.465$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

1,00

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

Ausgabe: Farbmetrisches Reflexions-System MRS18

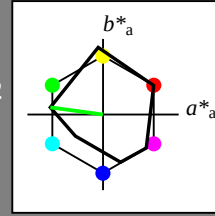
für Buntton $h^* = lab^*h = 172/360 = 0.479$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

1,00

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

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

0,75

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
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Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 167/360 = 0.465$

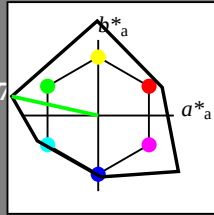
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

1,00

0,75

0,25

0,00

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

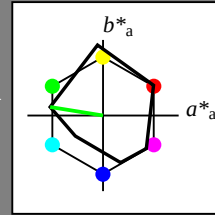
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	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
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

0,25

0,00

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

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

Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 167/360 = 0.465$

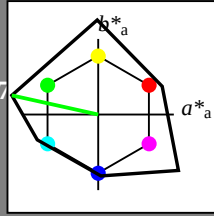
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 167/360 = 0.464$

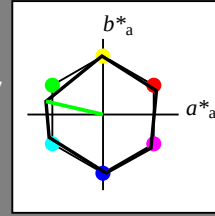
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

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

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 167/360 = 0.465$

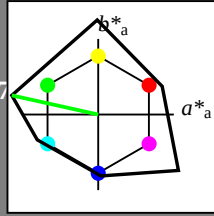
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 167/360 = 0.465$

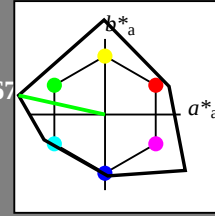
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (links)

5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 167/360 = 0.465$

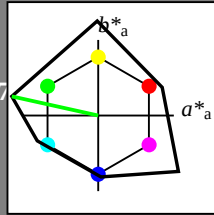
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

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Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 167/360 = 0.464$

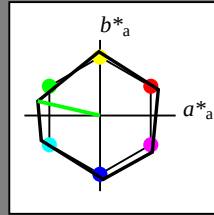
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (links)

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

Eingabe: Farbmimetrisches Reflexions-System NCS18

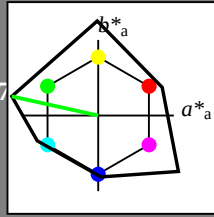
für Buntton $h^* = lab^*h = 167/360 = 0.465$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

Ausgabe: Farbmimetrisches Reflexions-System NCS11

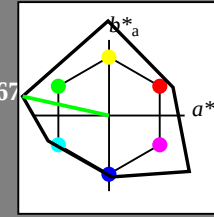
für Buntton $h^* = lab^*h = 167/360 = 0.465$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

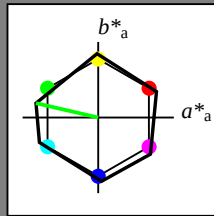
relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (links)

5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (rechts)

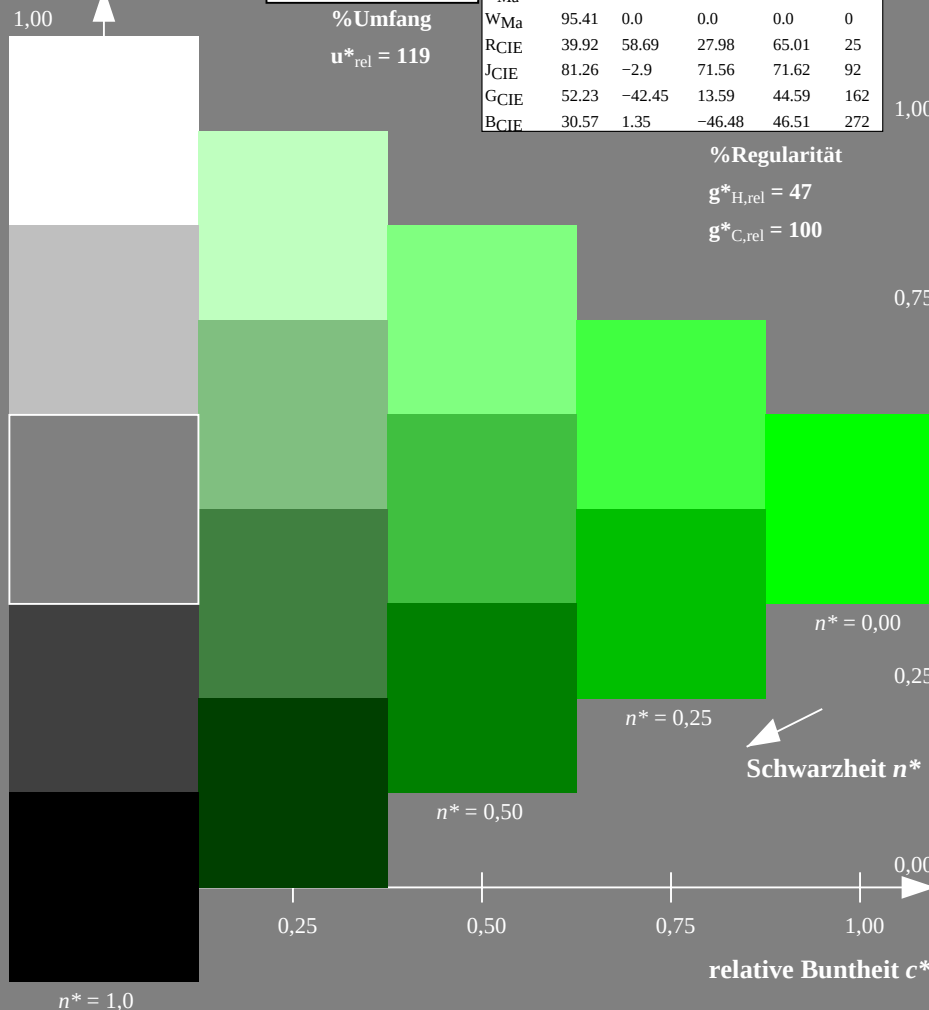
*lab*tch* und *lab*nch*

Dreiecks-Helligkeit


$$\mathbf{u}_{\text{rel}}^* = 119$$

NRS11; adaptierte CIELAB-Daten					
	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.69	27.98	65.01	25
J _{CIE}	81.26	-2.9	71.56	71.62	92
G _{CIE}	52.23	-42.45	13.59	44.59	162
BC _{IE}	30.57	1.35	-46.48	46.51	272

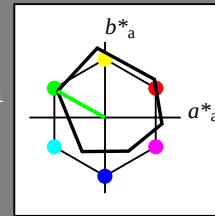
%Regularität

$$g^*_{H,rel} = 47$$
$$\mathbf{g}_{\text{C,rel}}^* = 100$$


TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.464 (links)

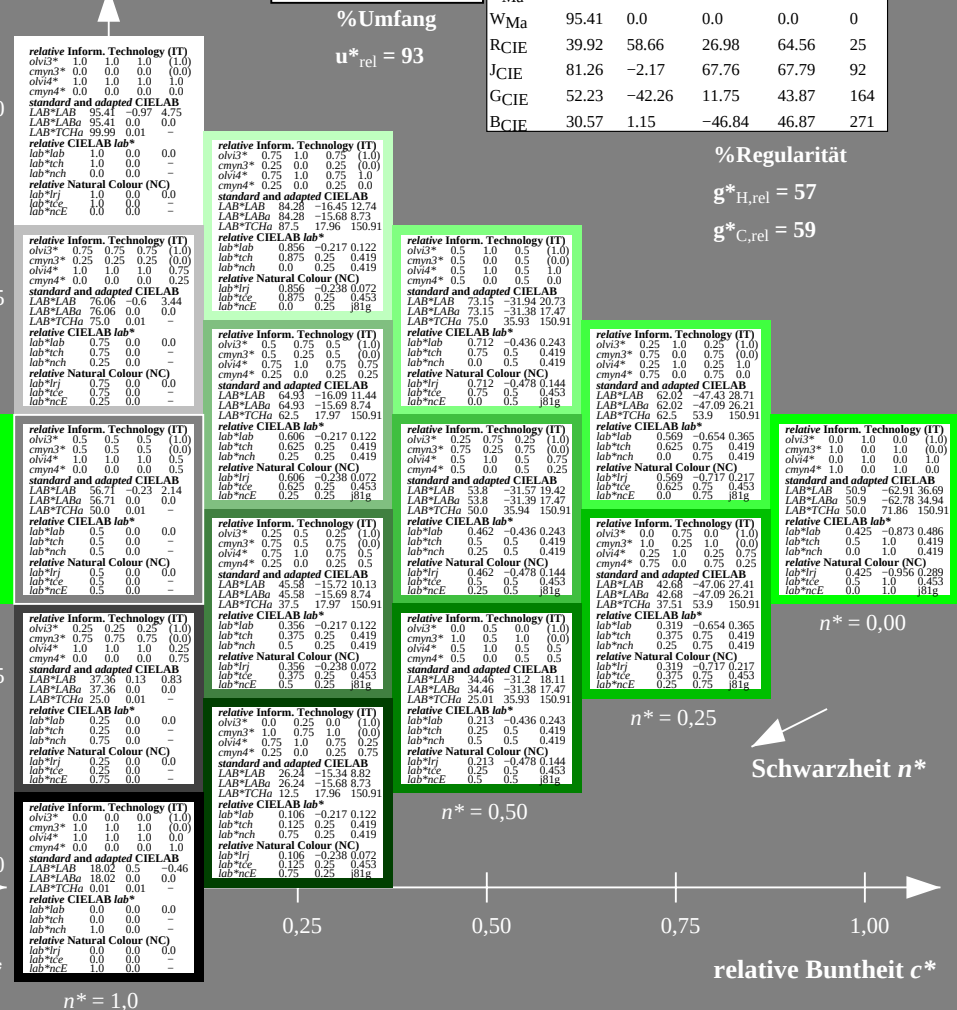
*lab*tch* und *lab*nch*

Dreiecks-Helligkeit


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

ORS18; adaptierte CIELAB-Daten					
	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
QMa	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

$$g^*_{H,rel} = 57$$
$$g^*_{C,rel} = 59$$
5 stufige Reihen für konstanten CIELAB Buntton $151/360 = 0.419$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

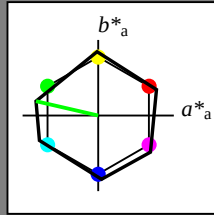
für Buntton $h^* = lab^*h = 167/360 = 0.464$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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Ausgabe: Farbmetrisches Reflexions-System MRS18

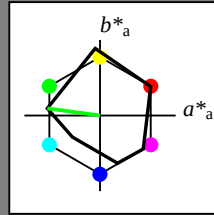
für Buntton $h^* = lab^*h = 172/360 = 0.479$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

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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 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.06 0.0 0.0

LAB*LABa 76.06 0.0 0.0

LAB*LABb 76.06 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.0 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 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.06 0.0 0.0

LAB*LABa 76.06 0.0 0.0

LAB*LABb 76.06 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.71 0.0 0.0

LAB*LABa 56.71 0.0 0.0

LAB*LABb 56.71 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.0 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 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.06 0.0 0.0

LAB*LABa 76.06 0.0 0.0

LAB*LABb 76.06 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.71 0.0 0.0

LAB*LABa 56.71 0.0 0.0

LAB*LABb 56.71 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.0 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 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.06 0.0 0.0

LAB*LABa 76.06 0.0 0.0

LAB*LABb 76.06 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.71 0.0 0.0

LAB*LABa 56.71 0.0 0.0

LAB*LABb 56.71 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 167/360 = 0.464$

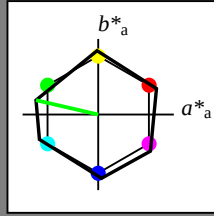
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

1,00

↑

0,75

0,50

0,25

0,00

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0,75

0,50

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0,75

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0,75

0,50

0,25

0,00

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,50

0,25

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0,75

0,50

0,25

0,00

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0,75

0,50

0,25

0,00

Schwarzheit n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System TRS18

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

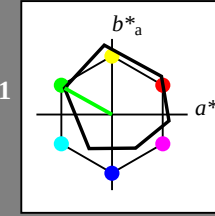
lab^*tch und lab^*nch

D65: Buntton L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

0,75

0,50

0,25

0,00

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0,75

0,50

0,25

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0,75

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0,25

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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 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.06 0.0 0.0

LAB*LABa 76.06 0.0 0.0

LAB*LABb 76.06 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 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 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.71 0.0 0.0

LAB*LABa 56.71 0.0 0.0

LAB*LABb 56.71 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 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 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 37.36 0.0 0.0

LAB*LABa 37.36 0.0 0.0

LAB*LABb 37.36 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.02 0.0 0.0

LAB*LABa 18.02 0.0 0.0

LAB*LABb 18.02 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.02 0.0 0.0

LAB*LABa 18.02 0.0 0.0

LAB*LABb 18.02 0.0 0.0

relative CIELAB lab*

lab*lab 0.

5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (rechts)

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $167/360 = 0.464$ (links)

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 167/360 = 0.464$

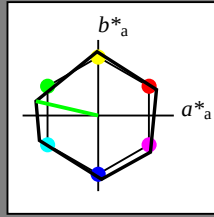
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 167/360 = 0.465$

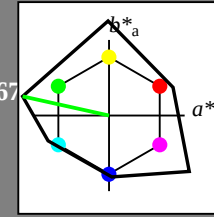
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

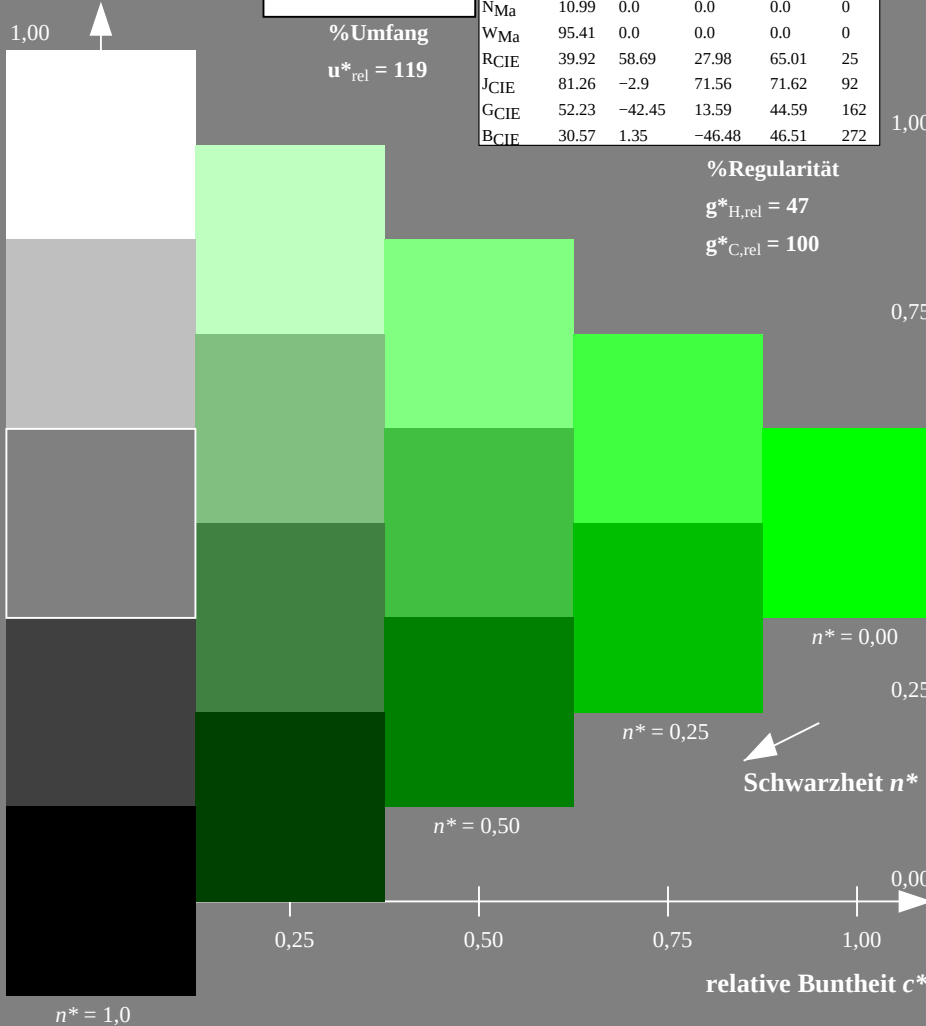
$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

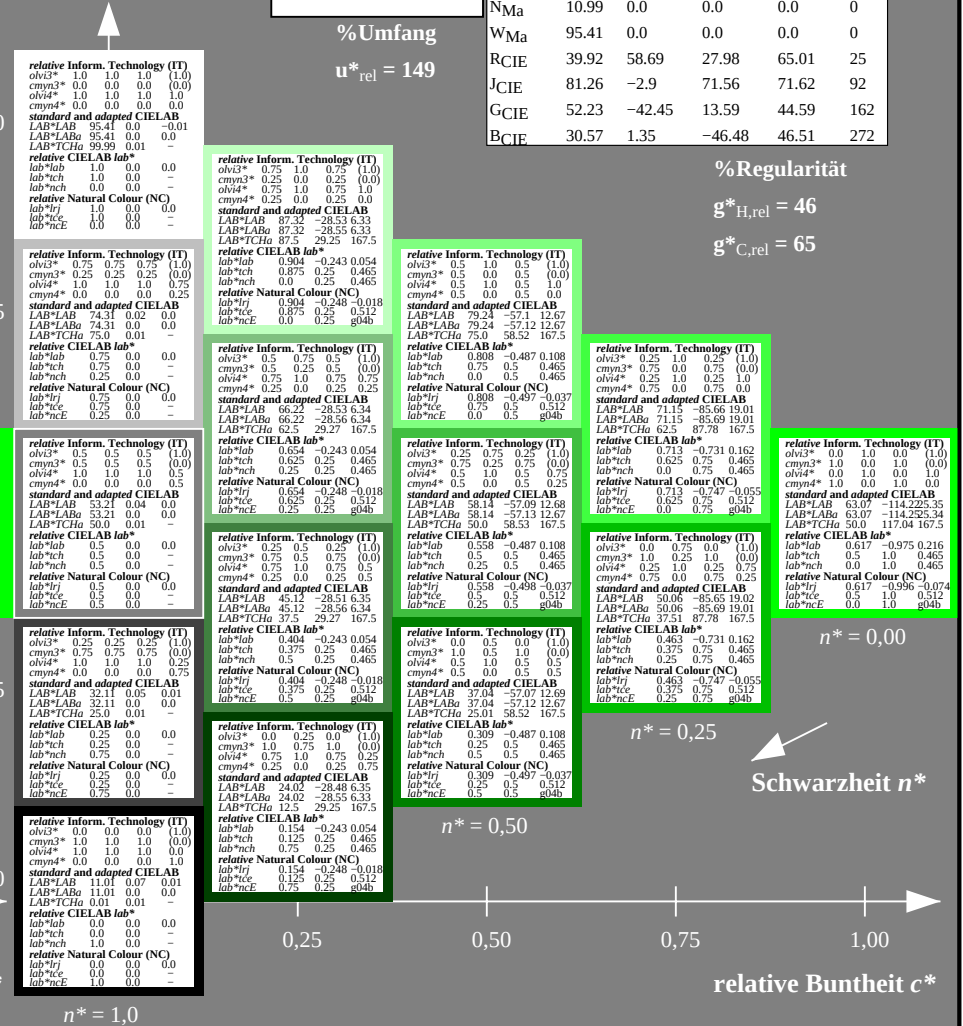
%Regularität

$g^*_{H,rel} = 46$

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



TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.464 (links)



5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 167/360 = 0.465$

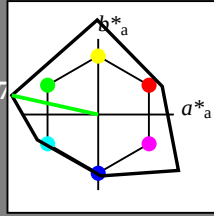
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regelartit

$g^*_{H,rel} = 46$

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

1,00

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Ausgabe: Farbmimetrisches Reflexions-System ORS18

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

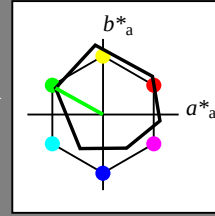
lab^*tch und lab^*nch

D65: Buntton L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

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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

%Regelartit

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

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

1,00

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

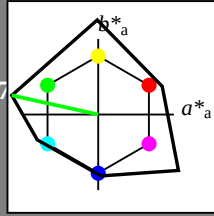
für Buntton $h^* = lab^*h = 167/360 = 0.465$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

1,00

↑

1,00

1,00

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

1,00

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Ausgabe: Farbmetrisches Reflexions-System MRS18

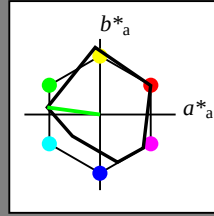
für Buntton $h^* = lab^*h = 172/360 = 0.479$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

1,00

1,00

1,00

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relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	0.0	
LAB*LABb	95.41	0.0	0.0	0.0	
LAB*LABc	95.41	0.0	0.0	0.0	
LAB*LABd	95.41	0.0	0.0	0.0	
LAB*LABe	95.41	0.0	0.0	0.0	
LAB*LABf	95.41	0.0	0.0	0.0	
LAB*LABg	95.41	0.0	0.0	0.0	
LAB*LABh	95.41	0.0	0.0	0.0	
LAB*LABi	95.41	0.0	0.0	0.0	
LAB*LABj	95.41	0.0	0.0	0.0	
LAB*LABk	95.41	0.0	0.0	0.0	
LAB*LABl	95.41	0.0	0.0	0.0	
LAB*LABm	95.41	0.0	0.0	0.0	
LAB*LABn	95.41	0.0	0.0	0.0	
LAB*LABo	95.41	0.0	0.0	0.0	
LAB*LABp	95.41	0.0	0.0	0.0	
LAB*LABq	95.41	0.0	0.0	0.0	
LAB*LABr	95.41	0.0	0.0	0.0	
LAB*LABs	95.41	0.0	0.0	0.0	
LAB*LABt	95.41	0.0	0.0	0.0	
LAB*LABu	95.41	0.0	0.0	0.0	
LAB*LABv	95.41	0.0	0.0	0.0	
LAB*LABw	95.41	0.0	0.0	0.0	
LAB*LABx	95.41	0.0	0.0	0.0	
LAB*LABy	95.41	0.0	0.0	0.0	
LAB*LABz	95.41	0.0	0.0	0.0	

relative Inform. Technology (IT)					
olvi3*	0.75	1.0	0.75	(1.0)	
cmyn3*	0.25	0.0	0.25	(0.0)	
olvi4*	0.75	1.0	0.75	(1.0)	
cmyn4*	0.25	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	84.58	18.19	6.39	18.19	
LAB*LABa	84.58	18.19	6.39	18.19	
LAB*LABb	84.58	18.19	6.39	18.19	
LAB*LABc	84.58	18.19	6.39	18.19	
LAB*LABd	84.58	18.19	6.39	18.19	
LAB*LABe	84.58	18.19	6.39	18.19	
LAB*LABf	84.58	18.19	6.39	18.19	
LAB*LABg	84.58	18.19	6.39	18.19	
LAB*LABh	84.58	18.19	6.39	18.19	
LAB*LABi	84.58	18.19	6.39	18.19	
LAB*LABj	84.58	18.19	6.39	18.19	
LAB*LABk	84.58	18.19	6.39	18.19	
LAB*LABl	84.58	18.19	6.39	18.19	
LAB*LABm	84.58	18.19	6.39	18.19	
LAB*LABn	84.58	18.19	6.39	18.19	
LAB*LABo	84.58	18.19	6.39	18.19	
LAB*LABp	84.58	18.19	6.39	18.19	
LAB*LABq	84.58	18.19	6.39	18.19	
LAB*LABr	84.58	18.19	6.39	18.19	
LAB*LABs	84.58	18.19	6.39	18.19	
LAB*LABt	84.58	18.19	6.39	18.19	
LAB*LABu	84.58	18.19	6.39	18.19	
LAB*LABv	84.58	18.19	6.39	18.19	
LAB*LABw	84.58	18.19	6.39	18.19	
LAB*LABx	84.58	18.19	6.39	18.19	
LAB*LABy	84.58	18.19	6.39	18.19	
LAB*LABz	84.58	18.19	6.39	18.19	

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	0.75	0.75	0.75	(1.0)	
cmyn4*	0.25	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	0.0	0.0	
LAB*LABa	76.06	0.0	0.0	0.0	
LAB*LABb	76.06	0.0	0.0	0.0	
LAB*LABc	76.06	0.0	0.0	0.0	
LAB*LABd	76.06	0.0	0.0	0.0	
LAB*LABe	76.06	0.0	0.0	0.0	
LAB*LABf	76.06	0.0	0.0	0.0	
LAB*LABg	76.06	0.0	0.0	0.0	
LAB*LABh	76.06	0.0	0.0	0.0	
LAB*LABi	76.06	0.0	0.0	0.0	
LAB*LABj	76.06	0.0	0.0	0.0	
LAB*LABk	76.06	0.0	0.0	0.0	
LAB*LABl	76.06	0.0	0.0	0.0	
LAB*LABm	76.06	0.0	0.0	0.0	
LAB*LABn	76.06	0.0	0.0	0.0	
LAB*LABo	76.06	0.0	0.0	0.0	
LAB*LABp	76.06	0.0	0.0	0.0	
LAB*LABq	76.06	0.0	0.0	0.0	
LAB*LABr	76.06	0.0	0.0	0.0	
LAB*LABs	76.06	0.0	0.0	0.0	
LAB*LABt	76.06	0.0	0.0	0.0	
LAB*LABu	76.06	0.0	0.0	0.0	
LAB*LABv	76.06	0.0	0.0	0.0	
LAB*LABw	76.06	0.0	0.0	0.0	
LAB*LABx	76.06	0.0	0.0	0.0	
LAB*LABy	76.06	0.0	0.0	0.0	
LAB*LABz	76.06	0.0	0.0	0.0	

relative CIELAB lab*			
lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	-
lab*nch	0.25	0.0	-
relative Natural Colour (NC)			
lab*lrj	0.75	0.0	0.0
lab*tce	0.75	0.0	-
lab*nce	0.25	0.0	-

Eingabe: Farbmetrisches Reflexions-System NCS11

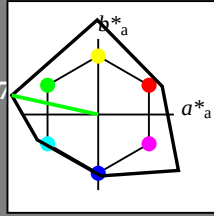
für Buntton $h^* = lab^*h = 167/360 = 0.465$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

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Ausgabe: Farbmetrisches Reflexions-System NRS18

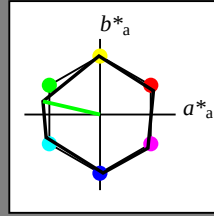
für Buntton $h^* = lab^*h = 167/360 = 0.464$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 77 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

1,00

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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	(0.0)
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	85.73	-18.83	4.35	18.83
LAB*LABa	85.73	-18.83	4.35	18.83
LAB*LABb	87.5	19.35	167.02	167.02
relative CIELAB lab*				
lab*lab	0.875	-0.243	0.056	0.056
lab*lab	0.875	0.25	0.464	0.464
lab*nch	0.0	0.25	0.464	0.464
lab*nch	0.0	0.25	0.464	0.464
relative Natural Colour (NC)				
lab*lab	0.875	-0.243	0.056	0.056
lab*nch	0.0	0.25	0.464	0.464
lab*nch	0.0	0.25	0.464	0.464

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	(0.0)
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	0.0
LAB*LABa	76.07	0.0	0.0	0.0
LAB*LABb	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0
lab*nch	0.25	0.0	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	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	0.0
LAB*LABa	56.72	0.0	0.0	0.0
LAB*LABb	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.5	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0
lab*nch	0.5	0.0	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	0.25
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0
lab*nch	0.25	0.0	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	0.25
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	0.0
LAB*LABa	37.37	0.0	0.0	0.0
LAB*LABb	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				

Eingabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 167/360 = 0.465$

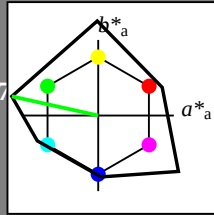
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.34	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 167/360 = 0.465$

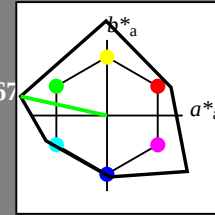
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (links)

5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (rechts)

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

Eingabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 167/360 = 0.465$

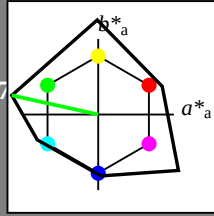
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (links)

Ausgabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 167/360 = 0.465$

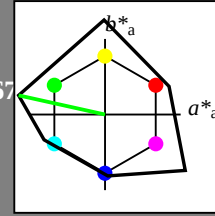
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 63 117 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (rechts)

rechts)

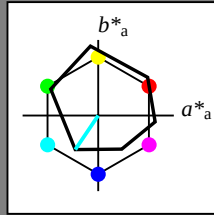
Eingabe: Farbmimetrisches Reflexions-System ORS18

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

$lab \cdot tch$ und $lab \cdot nch$

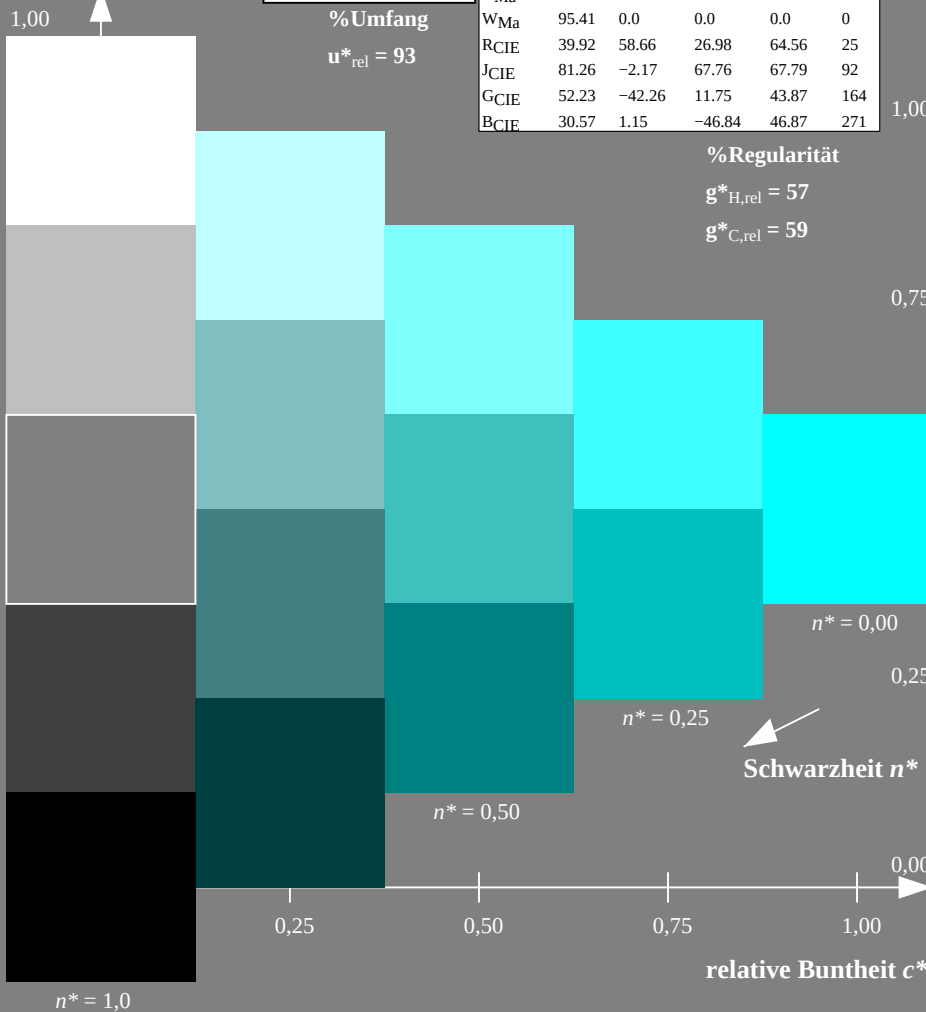
D65: Buntton C
LCH*Ma: 59 54 236
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$



Schwarzheit n^*

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $236/360 = 0.656$ (links)

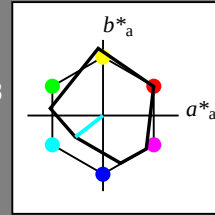
Ausgabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = lab \cdot h = 218/360 = 0.605$

$lab \cdot tch$ und $lab \cdot nch$

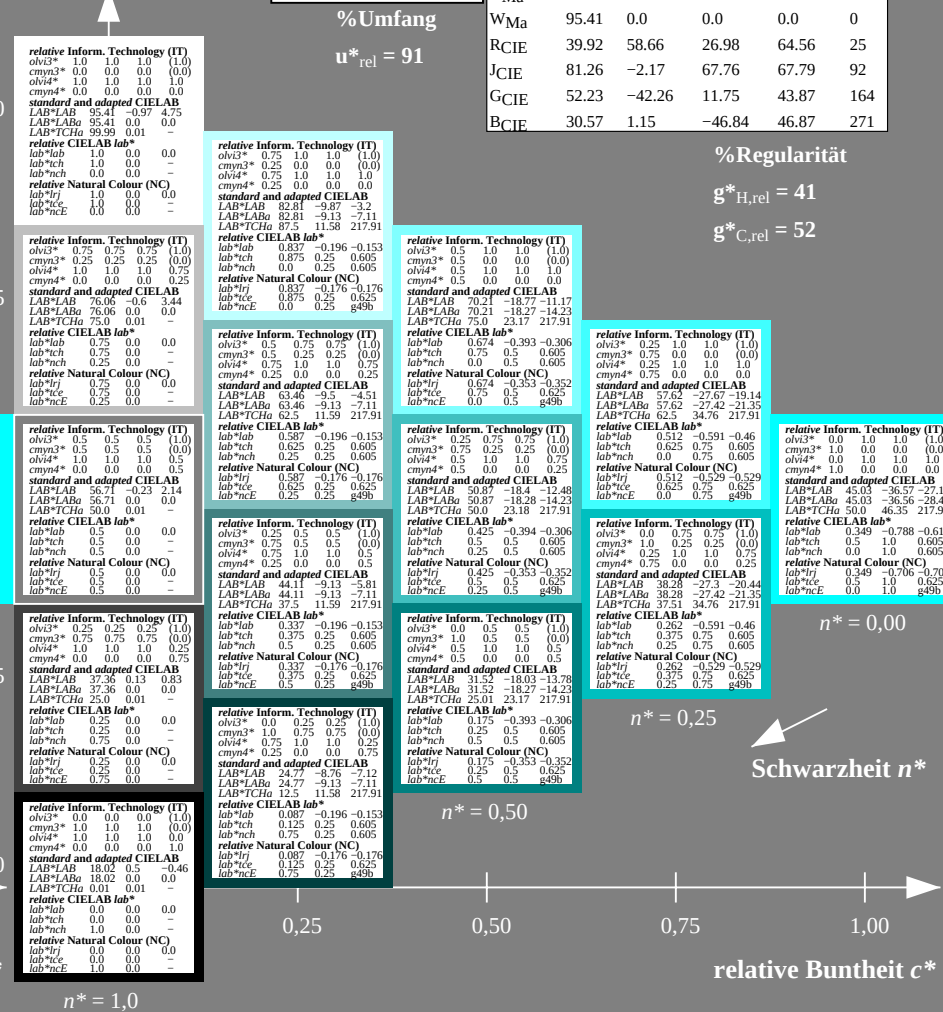
D65: Buntton G50B
LCH*Ma: 45 46 218
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$



Schwarzheit n^*

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton $218/360 = 0.605$ (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)	relative CIELAB lab*
olvi3* 1.0 1.0 1.0	olvi3* 0.75 1.0 1.0
cmyn3* 0.0 0.0 0.0	cmyn3* 0.25 0.0 0.0
olvi4* 1.0 1.0 1.0	olvi4* 0.75 1.0 1.0
cmyn4* 0.0 0.0 0.0	cmyn4* 0.25 0.0 0.0
standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0	LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0	LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0	LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0	LAB*LABc 95.41 0.0 0.0
LAB*LABd 95.41 0.0 0.0	LAB*LABd 95.41 0.0 0.0
LAB*LABe 95.41 0.0 0.0	LAB*LABe 95.41 0.0 0.0
LAB*LABf 95.41 0.0 0.0	LAB*LABf 95.41 0.0 0.0
LAB*LABg 95.41 0.0 0.0	LAB*LABg 95.41 0.0 0.0
LAB*LABh 95.41 0.0 0.0	LAB*LABh 95.41 0.0 0.0
LAB*LABi 95.41 0.0 0.0	LAB*LABi 95.41 0.0 0.0
LAB*LABj 95.41 0.0 0.0	LAB*LABj 95.41 0.0 0.0
LAB*LABk 95.41 0.0 0.0	LAB*LABk 95.41 0.0 0.0
LAB*LABl 95.41 0.0 0.0	LAB*LABl 95.41 0.0 0.0
LAB*LABm 95.41 0.0 0.0	LAB*LABm 95.41 0.0 0.0
LAB*LABn 95.41 0.0 0.0	LAB*LABn 95.41 0.0 0.0
LAB*LABo 95.41 0.0 0.0	LAB*LABo 95.41 0.0 0.0
LAB*LABp 95.41 0.0 0.0	LAB*LABp 95.41 0.0 0.0
LAB*LABq 95.41 0.0 0.0	LAB*LABq 95.41 0.0 0.0
LAB*LABr 95.41 0.0 0.0	LAB*LABr 95.41 0.0 0.0
LAB*LABs 95.41 0.0 0.0	LAB*LABs 95.41 0.0 0.0
LAB*LABt 95.41 0.0 0.0	LAB*LABt 95.41 0.0 0.0
LAB*LABu 95.41 0.0 0.0	LAB*LABu 95.41 0.0 0.0
LAB*LABv 95.41 0.0 0.0	LAB*LABv 95.41 0.0 0.0
LAB*LABw 95.41 0.0 0.0	LAB*LABw 95.41 0.0 0.0
LAB*LABx 95.41 0.0 0.0	LAB*LABx 95.41 0.0 0.0
LAB*LABy 95.41 0.0 0.0	LAB*LABy 95.41 0.0 0.0
LAB*LABz 95.41 0.0 0.0	LAB*LABz 95.41 0.0 0.0

relative Inform. Technology (IT)	relative CIELAB lab*
olvi3* 0.75 0.75 0.75	olvi3* 0.5 0.5 0.5
cmyn3* 0.25 0.25 0.25	cmyn3* 0.25 0.25 0.25
olvi4* 1.0 1.0 1.0	olvi4* 0.75 1.0 1.0
cmyn4* 0.0 0.0 0.0	cmyn4* 0.25 0.0 0.0
standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 76.06 0.0 0.0	LAB*LAB 76.06 0.0 0.0
LAB*LABa 76.06 0.0 0.0	LAB*LABa 76.06 0.0 0.0
LAB*LABb 76.06 0.0 0.0	LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0	LAB*LABc 76.06 0.0 0.0
LAB*LABd 76.06 0.0 0.0	LAB*LABd 76.06 0.0 0.0
LAB*LABe 76.06 0.0 0.0	LAB*LABe 76.06 0.0 0.0
LAB*LABf 76.06 0.0 0.0	LAB*LABf 76.06 0.0 0.0
LAB*LABg 76.06 0.0 0.0	LAB*LABg 76.06 0.0 0.0
LAB*LABh 76.06 0.0 0.0	LAB*LABh 76.06 0.0 0.0
LAB*LABi 76.06 0.0 0.0	LAB*LABi 76.06 0.0 0.0
LAB*LABj 76.06 0.0 0.0	LAB*LABj 76.06 0.0 0.0
LAB*LABk 76.06 0.0 0.0	LAB*LABk 76.06 0.0 0.0
LAB*LABl 76.06 0.0 0.0	LAB*LABl 76.06 0.0 0.0
LAB*LABm 76.06 0.0 0.0	LAB*LABm 76.06 0.0 0.0
LAB*LABn 76.06 0.0 0.0	LAB*LABn 76.06 0.0 0.0
LAB*LABo 76.06 0.0 0.0	LAB*LABo 76.06 0.0 0.0
LAB*LABp 76.06 0.0 0.0	LAB*LABp 76.06 0.0 0.0
LAB*LABq 76.06 0.0 0.0	LAB*LABq 76.06 0.0 0.0
LAB*LABr 76.06 0.0 0.0	LAB*LABr 76.06 0.0 0.0
LAB*LABs 76.06 0.0 0.0	LAB*LABs 76.06 0.0 0.0
LAB*LABt 76.06 0.0 0.0	LAB*LABt 76.06 0.0 0.0
LAB*LABu 76.06 0.0 0.0	LAB*LABu 76.06 0.0 0.0
LAB*LABv 76.06 0.0 0.0	LAB*LABv 76.06 0.0 0.0
LAB*LABw 76.06 0.0 0.0	LAB*LABw 76.06 0.0 0.0
LAB*LABx 76.06 0.0 0.0	LAB*LABx 76.06 0.0 0.0
LAB*LABy 76.06 0.0 0.0	LAB*LABy 76.06 0.0 0.0
LAB*LABz 76.06 0.0 0.0	LAB*LABz 76.06 0.0 0.0

relative Inform. Technology (IT)	relative CIELAB lab*
olvi3* 0.5 0.5 0.5	olvi3* 0.25 0.25 0.25
cmyn3* 0.25 0.25 0.25	cmyn3* 0.25 0.25 0.25
olvi4* 1.0 1.0 1.0	olvi4* 0.75 1.0 1.0
cmyn4* 0.0 0.0 0.0	cmyn4* 0.25 0.0 0.0
standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 50.87 0.0 0.0	LAB*LAB 50.87 0.0 0.0
LAB*LABa 50.87 0.0 0.0	LAB*LABa 50.87 0.0 0.0
LAB*LABb 50.87 0.0 0.0	LAB*LABb 50.87 0.0 0.0
LAB*LABc 50.87 0.0 0.0	LAB*LABc 50.87 0.0 0.0
LAB*LABd 50.87 0.0 0.0	LAB*LABd 50.87 0.0 0.0
LAB*LABe 50.87 0.0 0.0	LAB*LABe 50.87 0.0 0.0
LAB*LABf 50.87 0.0 0.0	LAB*LABf 50.87 0.0 0.0
LAB*LABg 50.87 0.0 0.0	LAB*LABg 50.87 0.0 0.0
LAB*LABh 50.87 0.0 0.0	LAB*LABh 50.87 0.0 0.0
LAB*LABi 50.87 0.0 0.0	LAB*LABi 50.87 0.0 0.0
LAB*LABj 50.87 0.0 0.0	LAB*LABj 50.87 0.0 0.0
LAB*LABk 50.87 0.0 0.0	LAB*LABk 50.87 0.0 0.0
LAB*LABl 50.87 0.0 0.0	LAB*LABl 50.87 0.0 0.0
LAB*LABm 50.87 0.0 0.0	LAB*LABm 50.87 0.0 0.0
LAB*LABn 50.87 0.0 0.0	LAB*LABn 50.87 0.0 0.0
LAB*LABo 50.87 0.0 0.0	LAB*LABo 50.87 0.0 0.0
LAB*LABp 50.87 0.0 0.0	LAB*LABp 50.87 0.0 0.0
LAB*LABq 50.87 0.0 0.0	LAB*LABq 50.87 0.0 0.0
LAB*LABr 50.87 0.0 0.0	LAB*LABr 50.87 0.0 0.0
LAB*LABs 50.87 0.0 0.0	LAB*LABs 50.87 0.0 0.0
LAB*LABt 50.87 0.0 0.0	LAB*LABt 50.87 0.0 0.0
LAB*LABu 50.87 0.0 0.0	LAB*LABu 50.87 0.0 0.0
LAB*LABv 50.87 0.0 0.0	LAB*LABv 50.87 0.0 0.0
LAB*LABw 50.87 0.0 0.0	LAB*LABw 50.87 0.0 0.0
LAB*LABx 50.87 0.0 0.0	LAB*LABx 50.87 0.0 0.0
LAB*LABy 50.87 0.0 0.0	LAB*LABy 50.87 0.0 0.0
LAB*LABz 50.87 0.0 0.0	LAB*LABz 50.87 0.0 0.0

relative Inform. Technology (IT)	relative CIELAB lab*
olvi3* 0.25 0.25 0.25	olvi3* 0.125 0.125 0.125
cmyn3* 0.125 0.125 0.125	cmyn3* 0.125 0.125 0.125
olvi4* 1.0 1.0 1.0	olvi4* 0.75 1.0 1.0
cmyn4* 0.0 0.0 0.0	cmyn4* 0.25 0.0 0.0
standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.0	LAB*LAB 37.36 0.0 0.0
LAB*LABa 37.36 0.0 0.0	LAB*LABa 37.36 0.0 0.0
LAB*LABb 37.36 0.0 0.0	LAB*LABb 37.36 0.0 0.0
LAB*LABc 37.36 0.0 0.0	LAB*LABc 37.36 0.0 0.0
LAB*LABd 37.36 0.0 0.0	LAB*LABd 37.36 0.0 0.0
LAB*LABe 37.36 0.0 0.0	LAB*LABe 37.36 0.0 0.0
LAB*LABf 37.36 0.0 0.0	LAB*LABf 37.36 0.0 0.0
LAB*LABg 37.36 0.0 0.0	LAB*LABg 37.36 0.0 0.0
LAB*LABh 37.36 0.0 0.0	LAB*LABh 37.36 0.0 0.0
LAB*LABi 37.36 0.0 0.0	LAB*LABi 37.36 0.0 0.0
LAB*LABj 37.36 0.0 0.0	LAB*LABj 37.36 0.0 0.0
LAB*LABk 37.36 0.0 0.0	LAB*LABk 37.36 0.0 0.0
LAB*LABl 37.36 0.0 0.0	LAB*LABl 37.36 0.0 0.0
LAB*LABm 37.36 0.0 0.0	LAB*LABm 37.36 0.0 0.0
LAB*LABn 37.36 0.0 0.0	LAB*LABn 37.36 0.0 0.0
LAB*LABo 37.36 0.0 0.0	LAB*LABo 37.36 0.0 0.0
LAB*LABp 37.36 0.0 0.0	LAB*LABp 37.36 0.0 0.0
LAB*LABq 37.36 0.0 0.0	LAB*LABq 37.36 0.0 0.0
LAB*LABr 37.36 0.0 0.0	LAB*LABr 37.36 0.0 0.0
LAB*LABs 37.36 0.0 0.0	LAB*LABs 37.36 0.0 0.0
LAB*LABt 37.36 0.0 0.0	LAB*LABt 37.36 0.0 0.0
LAB*LABu 37.36 0.0 0.0	LAB*LABu 37.36 0.0 0.0
LAB*LABv 37.36 0.0 0.0	LAB*LABv 37.36 0.0 0.0
LAB*LABw 37.36 0.0 0.0	LAB*LABw 37.36 0.0 0.0
LAB*LABx 37.36 0.0 0.0	LAB*LABx 37.36 0.0 0.0
LAB*LABy 37.36 0.0 0.0	LAB*LABy 37.36 0.0 0.0
LAB*LABz 37.36 0.0 0.0	LAB*LABz 37.36 0.0 0.0

relative Inform. Technology (IT)	relative CIELAB lab*
olvi3* 0.125 0.125 0.125	olvi3* 0.0625 0.0625 0.0625
cmyn3* 0.0625 0.0625 0.0625	cmyn3* 0.0625 0.0625 0.0625
olvi4* 1.0 1.0 1.0	olvi4* 0.75 1.0 1.0
cmyn4* 0.0 0.0 0.0	cmyn4* 0.25 0.0 0.0
standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 25.0 0.0 0.0	LAB*LAB 25.0 0.0 0.0
LAB*LABa 25.0 0.0 0.0	LAB*LABa 25.0 0.0 0.0
LAB*LABb 25.0 0.0 0.0	LAB*LABb 25.0 0.0 0.0
LAB*LABc 25.0 0.0 0.0	LAB*LABc 25.0 0.0 0.0
LAB*LABd 25.0 0.0 0.0	LAB*LABd 25.0 0.0 0.0
LAB*LABe 25.0 0.0 0.0	LAB*LABe 25.0 0.0 0.0
LAB*LABf 25.0 0.0 0.0	LAB*LABf 25.0 0.0 0.0
LAB*LABg 25.0 0.0 0.0	LAB*LABg 25.0 0.0 0.0
LAB*LABh 25.0 0.0 0.0	LAB*LABh 25.0 0.0 0.0
LAB*LABi 25.0 0.0 0.0	LAB*LABi 25.0 0.0 0.0
LAB*LABj 25.0 0.0 0.0	LAB*LABj 25.0 0.0 0.0
LAB*LABk 25.0 0.0 0.0	LAB*LABk 25.0 0.0 0.0
LAB*LABl 25.0 0.0 0.0	LAB*LABl 25.0 0.0 0.0
LAB*LABm 25.0 0.0 0.0	LAB*LABm 25.0 0.0 0.0
LAB*LABn 25.0 0.0 0.0	LAB*LABn 25.0 0.0 0.0
LAB*LABo 25.0 0.0 0.0	LAB*LABo 25.0 0.0 0.0
LAB*LABp 25.0 0.0 0.0	LAB*LABp 25.0 0.0 0.0
LAB*LABq 25.0 0.0 0.0	LAB*LABq 25.0 0.0 0.0
LAB*LABr 25.0 0.0 0.0	LAB*LABr 25.0 0.0 0.0
LAB*LABs 25.0 0.0 0.0	LAB*LABs 25.0 0.0 0.0
LAB*LABt 25.0 0.0 0.0	LAB*LABt 25.0 0.0 0.0
LAB*LABu 25.0 0.0 0.0	LAB*LABu 25.0 0.0 0.0
LAB*LABv 25.0 0.0 0.0	LAB*LABv 25.0 0.0 0.0
LAB*LABw 25.0 0.0 0.0	LAB*LABw 25.0 0.0 0.0
LAB*LABx 25.0 0.0 0.0	LAB*LABx 25.0 0.0 0.0
LAB*LABy 25.0 0.0 0.0	LAB*LABy 25.0 0.0 0.0
LAB*LABz 25.0 0.0 0.0	LAB*LABz 25.0 0.0 0.0

lab* <i>nch</i>	0.5	0.0	-
relative Natural Colour (NC)			
lab* <i>lrj</i>	0.5	0.0	0.0
lab* <i>tce</i>	0.5	0.0	-
lab* <i>ncE</i>	0.5	0.0	-

relative Inform. Technology (IT)			
lab* <i>olvi3</i>	0.25	0.25	0.25
lab* <i>cmyn3</i>	0.25	0.25	0.25
lab* <i>olvi4</i>	1.0	1.0	1.0
lab* <i>cmyn4</i>	0.0	0.0	0.0
lab* <i>olvi5</i>	0.25	0.25	0.25
lab* <i>cmyn5</i>	0.25	0.25	0.25
lab* <i>olvi6</i>	0.25	0.25	0.25
lab* <i>cmyn6</i>	0.25	0.25	0.25
lab* <i>olvi7</i>	0.25	0.25	0.25
lab* <i>cmyn7</i>	0.25	0.25	0.25
lab* <i>olvi8</i>	0.25	0.25	0.25
lab* <i>cmyn8</i>	0.25	0.25	0.25
lab* <i>olvi9</i>	0.25	0.25	0.25
lab* <i>cmyn9</i>	0.25	0.25	0.25
lab* <i>olvi10</i>	0.25	0.25	0.25
lab* <i>cmyn10</i>	0.25	0.25	0.25
lab* <i>olvi11</i>	0.25	0.25	0.25
lab* <i>cmyn11</i>	0.25	0.25	0.25
lab* <i>olvi12</i>	0.25	0.25	0.25
lab* <i>cmyn12</i>	0.25	0.25	0.25
lab* <i>olvi13</i>	0.25	0.25	0.25
lab* <i>cmyn13</i>	0.25	0.25	0.25
lab* <i>olvi14</i>	0.25	0.25	0.25
lab* <i>cmyn14</i>	0.25	0.25	0.25
lab* <i>olvi15</i>	0.25	0.25	0.25
lab* <i>cmyn15</i>	0.25	0.25	0.25
lab* <i>olvi16</i>	0.25	0.25	0.25
lab* <i>cmyn16</i>	0.25	0.25	0.25
lab* <i>olvi17</i>	0.25	0.25	0.25
lab* <i>cmyn17</i>	0.25	0.25	0.25
lab* <i>olvi18</i>	0.25	0.25	0.25
lab* <i>cmyn18</i>	0.25	0.25	0.25
lab* <i>olvi19</i>	0.25	0.25	0.25
lab* <i>cmyn19</i>	0.25	0.25	0.25
lab* <i>olvi20</i>	0.25	0.25	0.25
lab* <i>cmyn20</i>	0.25	0.25	0.25
lab* <i>olvi21</i>	0.25	0.25	0.25
lab* <i>cmyn21</i>	0.25	0.25	0.25
lab* <i>olvi22</i>	0.25	0.25	0.25
lab* <i>cmyn22</i>	0.25	0.25	0.25
lab* <i>olvi23</i>	0.25	0.25	0.25
lab* <i>cmyn23</i>	0.25	0.25	0.25
lab* <i>olvi24</i>	0.25	0.25	0.25
lab* <i>cmyn24</i>	0.25	0.25	0.25
lab* <i>olvi25</i>	0.25	0.25	0.25
lab* <i>cmyn25</i>	0.25	0.25	0.25
lab* <i>olvi26</i>	0.25	0.25	0.25
lab* <i>cmyn26</i>	0.25	0.25	0.25
lab* <i>olvi27</i>	0.25	0.25	0.25
lab* <i>cmyn27</i>	0.25	0.25	0.25
lab* <i>olvi28</i>	0.25	0.25	0.25
lab* <i>cmyn28</i>	0.25	0.25	0.25
lab* <i>olvi29</i>	0.25	0.25	0.25
lab* <i>cmyn29</i>	0.25	0.25	0.25
lab* <i>olvi30</i>	0.25	0.25	0.25
lab* <i>cmyn30</i>	0.25	0.25	0.25
lab* <i>olvi31</i>	0.25	0.25	0.25
lab* <i>cmyn31</i>	0.25	0.25	0.25
lab* <i>olvi32</i>	0.25	0.25	0.25
lab* <i>cmyn32</i>	0.25	0.25	0.25
lab* <i>olvi33</i>	0.25	0.25	0.25
lab* <i>cmyn33</i>	0.25	0.25	0.25
lab* <i>olvi34</i>	0.25	0.25	0.25
lab* <i>cmyn34</i>	0.25	0.25	0.25
lab* <i>olvi35</i>	0.25	0.25	0.25
lab* <i>cmyn35</i>	0.25	0.25	0.25
lab* <i>olvi36</i>	0.25	0.25	0.25
lab* <i>cmyn36</i>	0.25	0.25	0.25
lab* <i>olvi37</i>	0.25	0.25	0.25
lab* <i>cmyn37</i>	0.25	0.25	0.25
lab* <i>olvi38</i>	0.25	0.25	0.25
lab* <i>cmyn38</i>	0.25	0.25	0.25
lab* <i>olvi39</i>	0.25	0.25	0.25
lab* <i>cmyn39</i>	0.25	0.25	0.25
lab* <i>olvi40</i>	0.25	0.25	0.25
lab* <i>cmyn40</i>	0.25	0.25	0.25
lab* <i>olvi41</i>	0.25	0.25	0.25
lab* <i>cmyn41</i>	0.25	0.25	0.25
lab* <i>olvi42</i>	0.25	0.25	0.25
lab* <i>cmyn42</i>	0.25	0.25	0.25
lab* <i>olvi43</i>	0.25	0.25	0.25
lab* <i>cmyn43</i>	0.25	0.25	0.25
lab* <i>olvi44</i>	0.25	0.25	0.25
lab* <i>cmyn44</i>	0.25	0.25	0.25
lab* <i>olvi45</i>	0.25	0.25	0.25
lab* <i>cmyn45</i>	0.25	0.25	0.25
lab* <i>olvi46</i>	0.25	0.25	0.25
lab* <i>cmyn46</i>	0.25	0.25	0.25
lab* <i>olvi47</i>	0.25	0.25	0.25
lab* <i>cmyn47</i>	0.25	0.25	0.25
lab* <i>olvi48</i>	0.25	0.25	0.25
lab* <i>cmyn48</i>	0.25	0.25	0.25
lab* <i>olvi49</i>	0.25	0.25	0.25
lab* <i>cmyn49</i>	0.25	0.25	0.25
lab* <i>olvi50</i>	0.25	0.25	0.25
lab* <i>cmyn50</i>	0.25	0.25	0.25
lab* <i>olvi51</i>	0.25	0.25	0.25
lab* <i>cmyn51</i>	0.25	0.25	0.25
lab* <i>olvi52</i>	0.25	0.25	0.25
lab* <i>cmyn52</i>	0.25	0.25	0.25
lab* <i>olvi53</i>	0.25	0.25	0.25
lab* <i>cmyn53</i>	0.25	0.25	0.25
lab* <i>olvi54</i>	0.25	0.25	0.25
lab* <i>cmyn54</i>	0.25	0.25	0.25
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lab* <i>olvi56</i>	0.25	0.25	0.25
lab* <i>cmyn56</i>	0.25	0.25	0.25
lab* <i>olvi57</i>	0.25	0.25	0.25
lab* <i>cmyn57</i>	0.25	0.25	0.25
lab* <i>olvi58</i>	0.25	0.25	0.25
lab* <i>cmyn58</i>	0.25	0.25	0.25
lab* <i>olvi59</i>	0.25	0.25	0.25
lab* <i>cmyn59</i>	0.25	0.25	0.25
lab* <i>olvi60</i>	0.25	0.25	0.25
lab* <i>cmyn60</i>	0.25	0.25	0.25
lab* <i>olvi61</i>	0.25	0.25	0.25
lab* <i>cmyn61</i>	0.25	0.25	0.25
lab* <i>olvi62</i>	0.25	0.25	0.25
lab* <i>cmyn62</i>	0.25	0.25	0.25
lab* <i>olvi63</i>	0.25	0.25	0.25
lab* <i>cmyn63</i>	0.25	0.25	0.25
lab* <i>olvi64</i>	0.25	0.25	0.25
lab* <i>cmyn64</i>	0.25	0.25	0.25
lab* <i>olvi65</i>	0.25	0.25	0.25
lab* <i>cmyn65</i>	0.25	0.25	0.25
lab* <i>olvi66</i>	0.25	0.25	0.25
lab* <i>cmyn66</i>	0.25	0.25	0.25
lab* <i>olvi67</i>	0.25	0.25	0.25
lab* <i>cmyn67</i>	0.25	0.25	0.25
lab* <i>olvi68</i>	0.25	0.25	0.25
lab* <i>cmyn68</i>	0.25	0.25	0.25
lab* <i>olvi69</i>	0.25	0.25	0.25
lab* <i>cmyn69</i>	0.25	0.25	0.25
lab* <i>olvi70</i>	0.25	0.25	0.25
lab* <i>cmyn70</i>	0.25	0.25	0.25
lab* <i>olvi71</i>	0.25	0.25	0.25
lab* <i>cmyn71</i>	0.25	0.25	0.25
lab* <i>olvi72</i>	0.25	0.25	0.25
lab* <i>cmyn72</i>	0.25	0.25	0.25
lab* <i>olvi73</i>	0.25	0.25	0.25
lab* <i>cmyn73</i>	0.25	0.25	0.25
lab* <i>olvi74</i>	0.25	0.25	0.25
lab* <i>cmyn74</i>	0.25	0.25	0.25
lab* <i>olvi75</i>	0.25	0.25	0.25
lab* <i>cmyn75</i>	0.25	0.25	0.25
lab* <i>olvi76</i>	0.25	0.25	0.25
lab* <i>cmyn76</i>	0.25	0.25	0.25
lab* <i>olvi77</i>	0.25	0.25	0.25
lab* <i>cmyn77</i>	0.25	0.25	0.25
lab* <i>olvi78</i>	0.25	0.25	0.25
lab* <i>cmyn78</i>	0.25	0.25	0.25
lab* <i>olvi79</i>	0.25	0.25	0.25
lab* <i>cmyn79</i>	0.25	0.25	0.25
lab* <i>olvi80</i>	0.25	0.25	0.25
lab* <i>cmyn80</i>	0.25	0.25	0.25
lab* <i>olvi81</i>	0.25	0.25	0.25
lab* <i>cmyn81</i>	0.25	0.25	0.25
lab* <i>olvi82</i>	0.25	0.25	0.25
lab* <i>cmyn82</i>	0.25	0.25	0.25
lab* <i>olvi83</i>	0.25	0.25	0.25
lab* <i>cmyn83</i>	0.25	0.25	0.25
lab* <i>olvi84</i>	0.25	0.25	0.25
lab* <i>cmyn84</i>	0.25	0.25	0.25
lab* <i>olvi85</i>	0.25	0.25	0.25
lab* <i>cmyn85</i>	0.25	0.25	0.25
lab* <i>olvi86</i>	0.25	0.25	0.25
lab* <i>cmyn86</i>	0.25	0.25	0.25
lab* <i>olvi87</i>	0.25	0.25	0.25
lab* <i>cmyn87</i>	0.25	0.25	0.25
lab* <i>olvi88</i>	0.25	0.25	0.25
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lab* <i>cmyn93</i>	0.25	0.25	0.25
lab* <i>olvi94</i>	0.25	0.25	0.25
lab* <i>cmyn94</i>	0.25	0.25	0.25
lab* <i>olvi95</i>	0.25	0.25	0.25
lab* <i>cmyn95</i>	0.25	0.25	0.25
lab* <i>olvi96</i>	0.25	0.25	0.25
lab* <i>cmyn96</i>	0.25	0.25	0.25
lab* <i>olvi97</i>	0.25	0.25	0.25
lab* <i>cmyn97</i>	0.25	0.25	0.25
lab* <i>olvi98</i>	0.25	0.25	0.25
lab* <i>cmyn98</i>	0.25	0.25	0.25
lab* <i>olvi99</i>	0.25	0.25	0.25
lab* <i>cmyn99</i>	0.25	0.25	0.25
lab* <i>olvi100</i>	0.25	0.25	0.25
lab* <i>cmyn100</i>	0.25	0.25	0.25

Eingabe: Farbmetrisches Reflexions-System ORS18

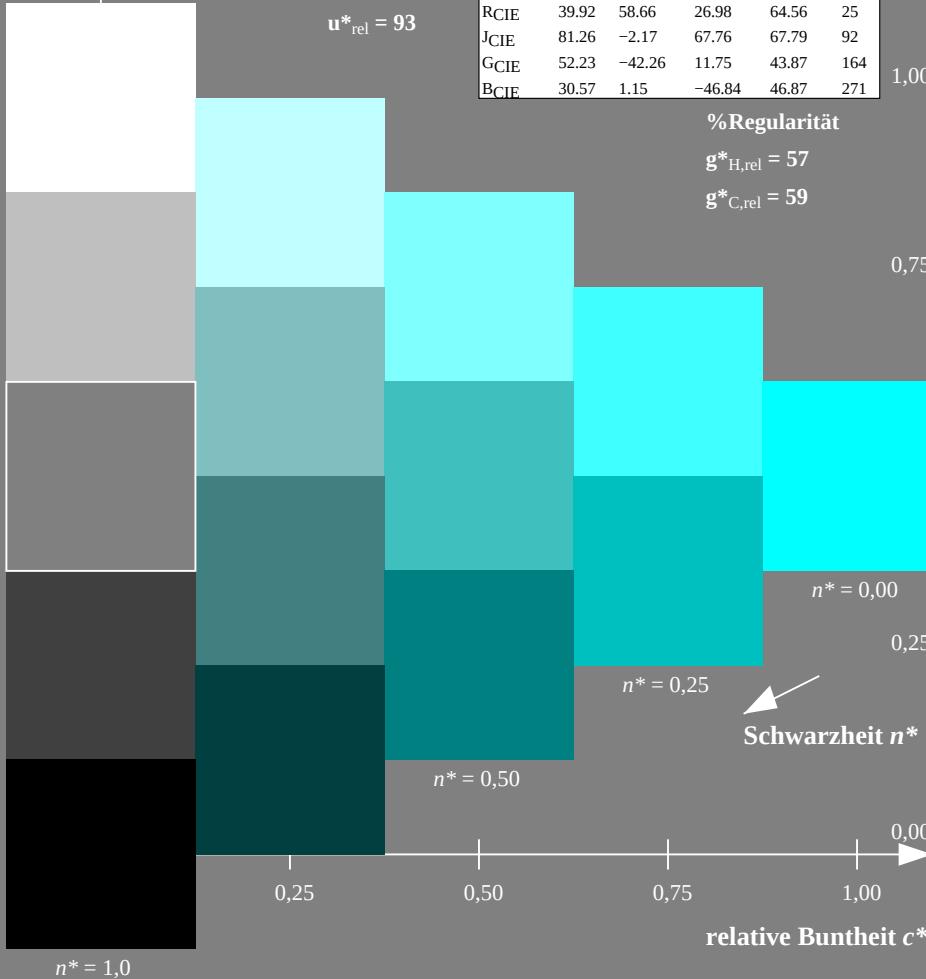
für Buntton $h^* = lab \cdot h = 236/360 = 0.656$

$lab \cdot tch$ und $lab \cdot nch$

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

Dreiecks-Helligkeit

1,00



TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $236/360 = 0.656$ (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

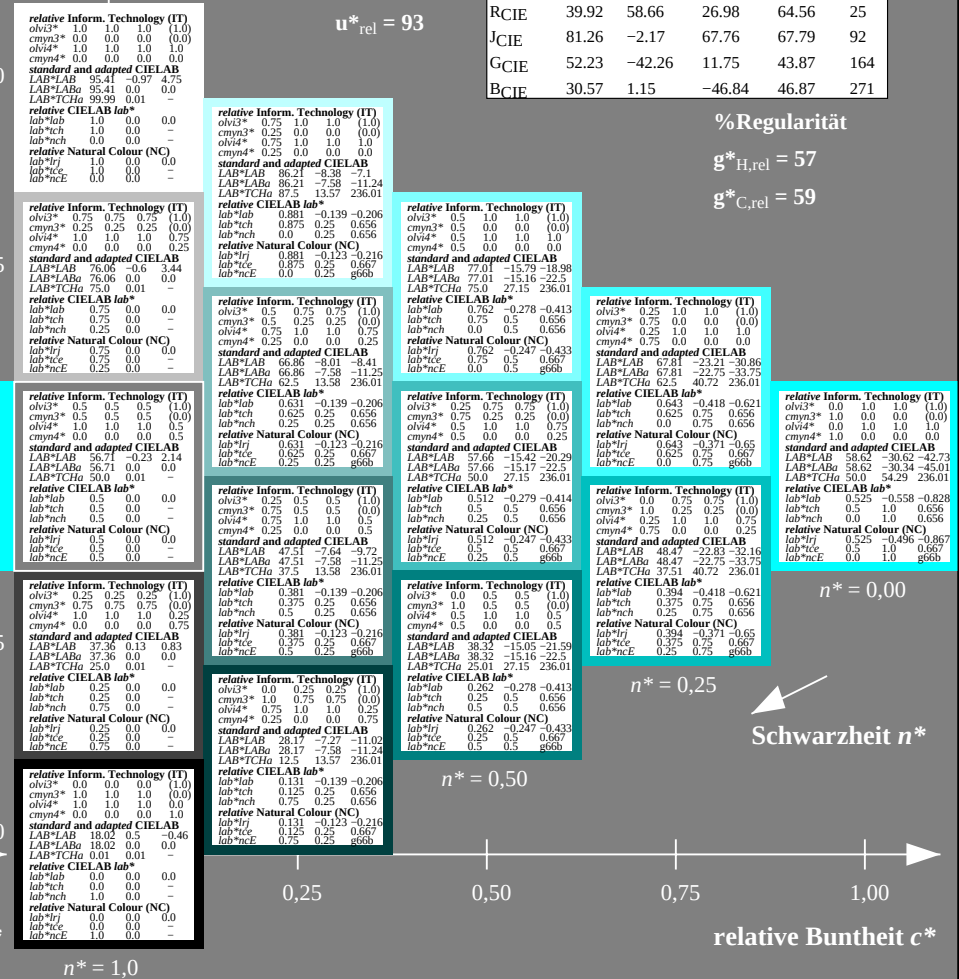
für Buntton $h^* = lab \cdot h = 236/360 = 0.656$

$lab \cdot tch$ und $lab \cdot nch$

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

Dreiecks-Helligkeit

1,00



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

Eingabe: Farbmetrisches Reflexions-System ORS18

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

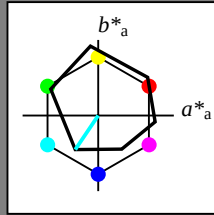
lab^*tch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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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

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

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

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

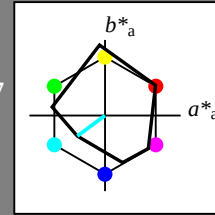
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

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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

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

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

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Eingabe: Farbmetrisches Reflexions-System ORS18

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

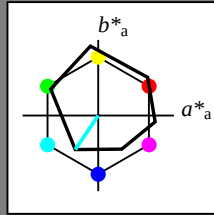
lab^*tch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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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

%Regelartit

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

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

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Ausgabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 203/360 = 0.564$

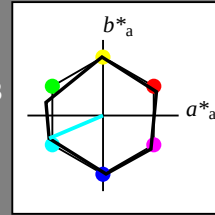
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
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

%Regelartit

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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Eingabe: Farbmimetrisches Reflexions-System ORS18

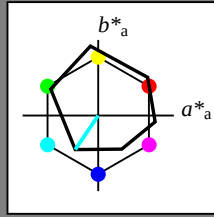
für Buntton $h^* = lab^*h = 236/360 = 0.656$ lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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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

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

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Ausgabe: Farbmimetrisches Reflexions-System NCS18

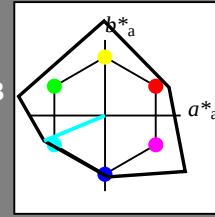
für Buntton $h^* = lab^*h = 203/360 = 0.563$ lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

1,00

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%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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Eingabe: Farbmetrisches Reflexions-System ORS18

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

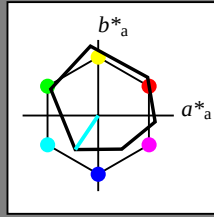
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

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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

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Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 203/360 = 0.564$

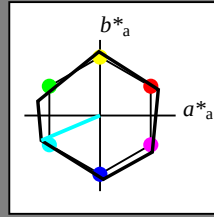
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

1,00

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

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Eingabe: Farbmetrisches Reflexions-System ORS18

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

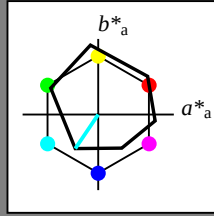
lab^*tch und lab^*nch

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

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 203/360 = 0.563$

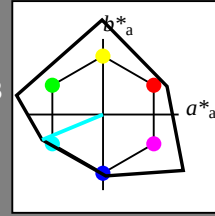
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

$n^* = 1,0$

relative Buntheit c^*

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

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

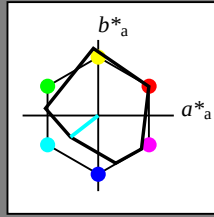
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (links)

Ausgabe: Farbmetrisches Reflexions-System ORS18

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

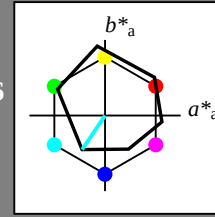
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%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
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^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

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

Eingabe: Farbmimetrisches Reflexions-System MRS18

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

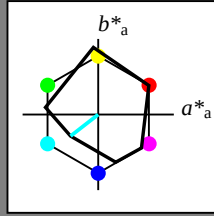
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18

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

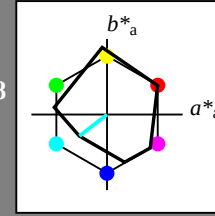
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

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

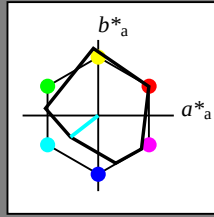
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System TRS18

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

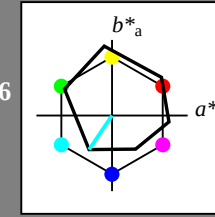
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

TRS18; 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

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (links)

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

Eingabe: Farbmetrisches Reflexions-System MRS18

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

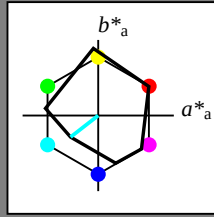
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

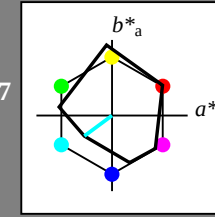
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	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
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^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (links)

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

Eingabe: Farbmimetrisches Reflexions-System MRS18

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

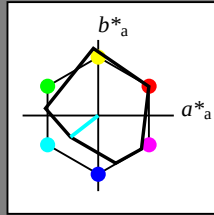
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 203/360 = 0.564$

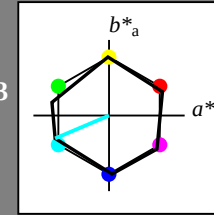
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

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

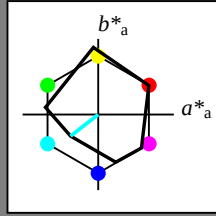
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

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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

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Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 203/360 = 0.563$

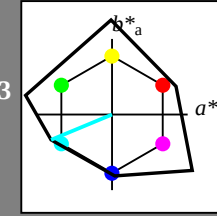
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

1,00

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

1,00

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Eingabe: Farbmetrisches Reflexions-System MRS18

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

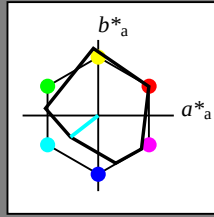
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 203/360 = 0.564$

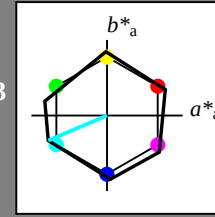
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	-0.01	
LAB*LABa	95.41	0.0	0.0		
LAB*TCRa	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0	-	
LAB*LABa	74.31	0.0	0.0		
LAB*TCRa	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0	-	
LAB*LABa	53.21	0.0	0.0		
LAB*TCRa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.11	0.05	0.01	-	
LAB*LABa	32.11	0.05	0.01		
LAB*TCRa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01	-	
LAB*LABa	11.01	0.07	0.01		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (rechts)

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Eingabe: Farbmetrisches Reflexions-System MRS18

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

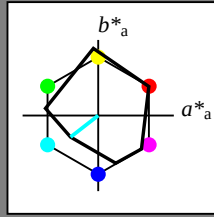
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

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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

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

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

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Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 203/360 = 0.563$

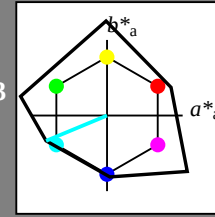
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

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Eingabe: Farbmetrisches Reflexions-System TRS18

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

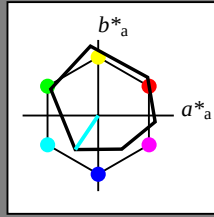
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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TRS18; 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

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

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

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Ausgabe: Farbmetrisches Reflexions-System ORS18

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

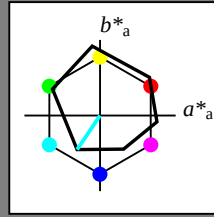
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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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

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

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

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

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

Eingabe: Farbmimetrisches Reflexions-System TRS18

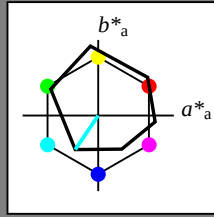
für Buntton $h^* = lab^*h = 236/360 = 0.656$ lab^*tch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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TRS18; 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

%Regulartät

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

1,00

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Ausgabe: Farbmimetrisches Reflexions-System MRS18

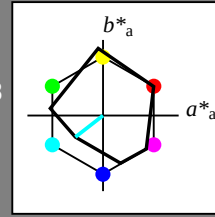
für Buntton $h^* = lab^*h = 218/360 = 0.605$ lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

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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
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
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

%Regulartät

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

5 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (rechts)

Eingabe: Farbmetrisches Reflexions-System TRS18

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

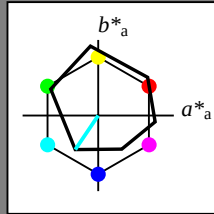
D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 93$

TRS18; 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)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

 $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$ $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ n

Eingabe: Farbmetrisches Reflexions-System TRS18

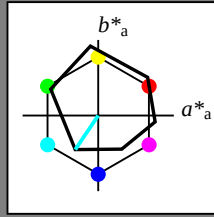
für Buntton $h^* = lab^*h = 236/360 = 0.656$ lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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TRS18; 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

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

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

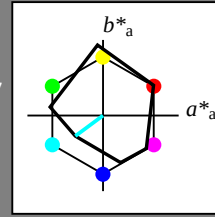
für Buntton $h^* = lab^*h = 217/360 = 0.601$ lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 92$

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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

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

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 $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

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

Eingabe: Farbmimetrisches Reflexions-System TRS18

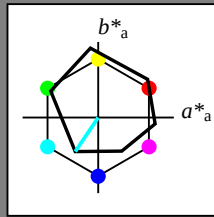
für Buntton $h^* = lab^*h = 236/360 = 0.656$ lab^*tch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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TRS18; 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

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

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Ausgabe: Farbmimetrisches Reflexions-System NRS18

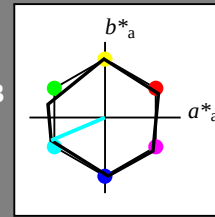
für Buntton $h^* = lab^*h = 203/360 = 0.564$ lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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 $n^* = 1,0$

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Eingabe: Farbmetrisches Reflexions-System TRS18

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

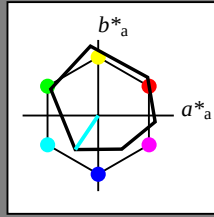
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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TRS18; 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

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

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

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Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 203/360 = 0.563$

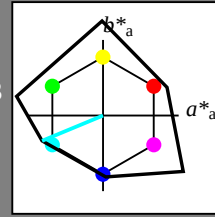
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (rechts)

Eingabe: Farbmetrisches Reflexions-System TRS18

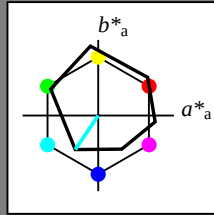
für Buntton $h^* = lab^*h = 236/360 = 0.656$ lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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TRS18; 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

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

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Ausgabe: Farbmetrisches Reflexions-System NRS11

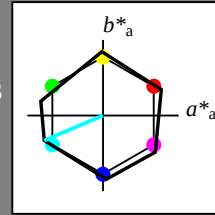
für Buntton $h^* = lab^*h = 203/360 = 0.564$ lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 119$

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relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	-0.01	
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*trc	0.0	0.0	0.0		
lab*ncc	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*LABb	75.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*trc	0.25	0.0	0.0		
lab*ncc	0.0	0.25	0.376		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*LABb	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*trc	0.5	0.0	0.0		
lab*ncc	0.25	0.25	0.376		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(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	32.11	0.05	0.01		
LAB*LABa	32.11	0.05	0.01		
LAB*LABb	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*trc	0.25	0.0	0.0		
lab*ncc	0.25	0.25	0.376		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(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	11.01	0.07	0.01		
LAB*LABa	11.01	0.07	0.01		
LAB*LABb	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*trc	0.0	0.0	0.0		
lab*ncc	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.11	0.05	0.01		
LAB*LABa	32.11	0.05	0.01		
LAB*LABb	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*trc	0.25	0.0	0.0		
lab*ncc	0.25	0.25	0.376		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(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	11.01	0.07	0.01		
LAB*LABa	11.01	0.07	0.01		
LAB*LABb	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*trc	0.0	0.0	0.0		
lab*ncc	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(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	11.01	0.07	0.01		
LAB*LABa	11.01	0.07	0.01		
LAB*LABb	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*trc	0.0	0.0	0.0		
lab*ncc	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(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	11.01	0.07	0.01		
LAB*LABa	11.01	0.07	0.01		
LAB*LABb	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*trc	0.0	0.0	0.0		
lab*ncc	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(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	11.01	0.07	0.01		
LAB*LABa	11.01	0.07	0.01		
LAB*LABb	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*trc	0.0	0.0	0.0		
lab*ncc	0.0	0.0	0.0		

Eingabe: Farbmimetrisches Reflexions-System TRS18

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

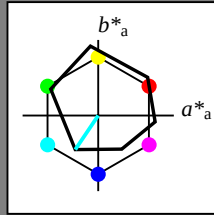
lab^*tch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



TRS18; 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

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

Ausgabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 203/360 = 0.563$

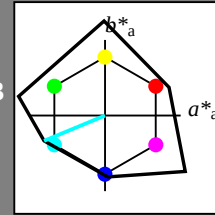
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

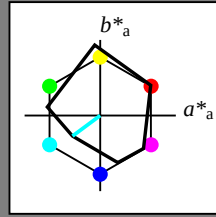
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

1,00

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0,75

0,50

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0,25

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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

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

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

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Eingabe: Farbmimetrisches Reflexions-System MRS18a

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

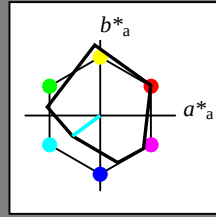
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%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
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

%Regulartät

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 217/360 = 0.601 (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18

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

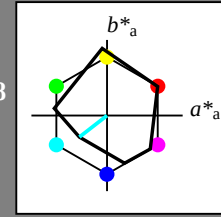
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (rechts)

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

%Regulartät

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

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

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

$n^* = 0,00$

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

relative Buntheit c^*

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

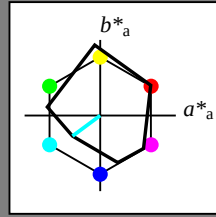
lab^*tch und lab^*nch

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
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^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System TRS18

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

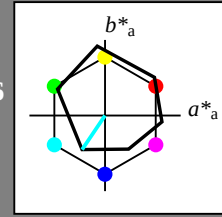
lab^*tch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



TRS18; 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^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 217/360 = 0.601 (links)

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

Eingabe: Farbmimetrisches Reflexions-System MRS18a

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

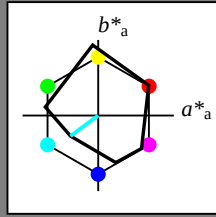
lab^*ch und lab^*nch

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
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^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmimetrisches Reflexions-System MRS18a

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

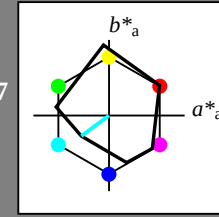
lab^*ch und lab^*nch

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
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^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 217/360 = 0.601 (links)

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

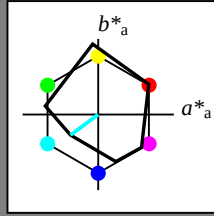
Eingabe: Farbmetrisches Reflexions-System MRS18a

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



%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
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

%Regulartät

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

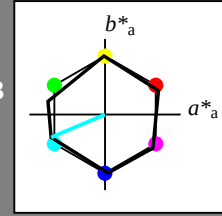
Ausgabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 203/360 = 0.564$

lab^*tch und lab^*nch

D65: Buntton G50B
LCH*Ma: 57 77 203
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
NMa	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

%Regulartät

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,50$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 217/360 = 0.601 (links)

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

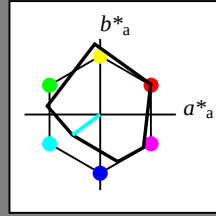
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%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
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^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 217/360 = 0.601 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 203/360 = 0.563$

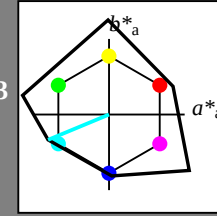
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

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relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (rechts)

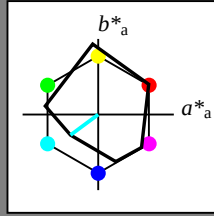
Eingabe: Farbmetrisches Reflexions-System MRS18a

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



%Umfang

$u^*_{rel} = 92$

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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

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Schwarzheit n^*

$n^* = 0,00$

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relative Buntheit c^*

0,25

0,50

0,75

1,00

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$n^* = 1,0$

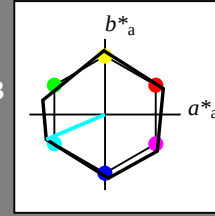
Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 203/360 = 0.564$

lab^*tch und lab^*nch

D65: Buntton G50B
LCH*Ma: 53 84 203
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

1,00

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$n^* = 1,0$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 74.31 0.0 0.0

LAB*LABa 74.31 0.0 0.0

LAB*LABb 74.31 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 53.21 0.0 0.0

LAB*LABa 53.21 0.0 0.0

LAB*LABb 53.21 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 32.11 0.0 0.0

LAB*LABa 32.11 0.0 0.0

LAB*LABb 32.11 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 11.01 0.0 0.0

LAB*LABa 11.01 0.0 0.0

LAB*LABb 11.01 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 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

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

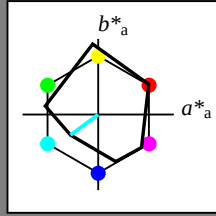
lab^*tch und lab^*nch

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
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^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 217/360 = 0.601 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 203/360 = 0.563$

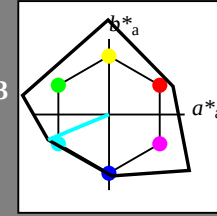
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 203/360 = 0.564$

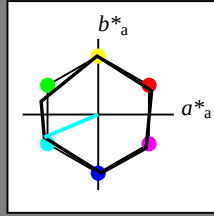
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

1,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

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0,75

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0,00

↑

0,75

0,50

0,25

0,00

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

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0,75

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0,00

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0,75

0,50

0,25

0,00

↑

0,75

0,50

Eingabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 203/360 = 0.564$

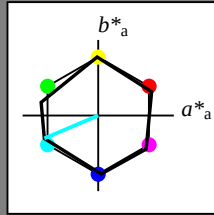
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

1,00

↑

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

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0,75

0,50

0,25

0,00

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0,75

0,50

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0,00

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0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

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0,75

0,50

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0,25

0,00

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0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

Schwarzheit n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmimetrisches Reflexions-System MRS18

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

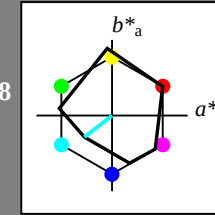
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

1,00

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

↓

0,75

0,50

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0,75

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0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

$n^* = 1,0$

%Regularität

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

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

relative Inform. Technology (IT)					
olvi3*	0.75	1.0	1.0	(1.0)	
cmyn3*	0.25	0.0	0.0	(0.0)	
olvi4*	0.75	1.0	1.0	(1.0)	
cmyn4*	0.25	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	0.0	
LAB*LABb	95.41	0.0	0.0	0.0	
LAB*LABc	95.41	0.0	0.0	0.0	
LAB*LABd	95.41	0.0	0.0	0.0	
LAB*LABe	95.41	0.0	0.0	0.0	
LAB*LABf	95.41	0.0	0.0	0.0	
LAB*LABg	95.41	0.0	0.0	0.0	
LAB*LABh	95.41	0.0	0.0	0.0	
LAB*LABi	95.41	0.0	0.0	0.0	
LAB*LABj	95.41	0.0	0.0	0.0	
LAB*LABk	95.41	0.0	0.0	0.0	
LAB*LABl	95.41	0.0	0.0	0.0	
LAB*LABm	95.41	0.0	0.0	0.0	
LAB*LABn	95.41	0.0	0.0	0.0	
LAB*LABo	95.41	0.0	0.0	0.0	
LAB*LABp	95.41	0.0	0.0	0.0	
LAB*LABq	95.41	0.0	0.0	0.0	
LAB*LABr	95.41	0.0	0.0	0.0	
LAB*LABs	95.41	0.0	0.0	0.0	
LAB*LABt	95.41	0.0	0.0	0.0	
LAB*LABu	95.41	0.0	0.0	0.0	
LAB*LABv	95.41	0.0	0.0	0.0	
LAB*LABw	95.41	0.0	0.0	0.0	
LAB*LABx	95.41	0.0	0.0	0.0	
LAB*LABy	95.41	0.0	0.0	0.0	
LAB*LABz	95.41	0.0	0.0	0.0	
LAB*LABaa	95.41	0.0	0.0	0.0	
LAB*LABab	95.41	0.0	0.0	0.0	
LAB*LABac	95.41	0.0	0.0	0.0	
LAB*LABad	95.41	0.0	0.0	0.0	
LAB*LABae	95.41	0.0	0.0	0.0	
LAB*LABaf	95.41	0.0	0.0	0.0	
LAB*LABag	95.41	0.0	0.0	0.0	
LAB*LABah	95.41	0.0	0.0	0.0	
LAB*LABai	95.41	0.0	0.0	0.0	
LAB*LABaj	95.41	0.0	0.0	0.0	
LAB*LABak	95.41	0.0	0.0	0.0	
LAB*LABal	95.41	0.0	0.0	0.0	
LAB*LABam	95.41	0.0	0.0	0.0	
LAB*LABan	95.41	0.0	0.0	0.0	
LAB*LABao	95.41	0.0	0.0	0.0	
LAB*LABap	95.41	0.0	0.0	0.0	
LAB*LABaq	95.41	0.0	0.0	0.0	
LAB*LABar	95.41	0.0	0.0	0.0	
LAB*LABas	95.41	0.0	0.0	0.0	
LAB*LABat	95.41	0.0	0.0	0.0	
LAB*LABau	95.41	0.0	0.0	0.0	
LAB*LABav	95.41	0.0	0.0	0.0	
LAB*LABaw	95.41	0.0	0.0	0.0	
LAB*LABax	95.41	0.0	0.0	0.0	
LAB*LABay	95.41	0.0	0.0	0.0	
LAB*LABaz	95.41	0.0	0.0	0.0	
LAB*LABba	95.41	0.0	0.0	0.0	
LAB*LABbb	95.41	0.0	0.0	0.0	
LAB*LABbc	95.41	0.0	0.0	0.0	
LAB*LABbd	95.41	0.0	0.0	0.0	
LAB*LABbe	95.41	0.0	0.0	0.0	
LAB*LABbf	95.41	0.0	0.0	0.0	
LAB*LABbg	95.41	0.0	0.0	0.0	
LAB*LABbh	95.41	0.0	0.0	0.0	
LAB*LABbi	95.41	0.0	0.0	0.0	
LAB*LABbj	95.41	0.0	0.0	0.0	
LAB*LABbk	95.41	0.0	0.0	0.0	
LAB*LABbl	95.41	0.0	0.0	0.0	
LAB*LABbm	95.41	0.0	0.0	0.0	
LAB*LABbn	95.41	0.0	0.0	0.0	
LAB*LABbo	95.41	0.0	0.0	0.0	
LAB*LABbp	95.41	0.0	0.0	0.0	
LAB*LABbq	95.41	0.0	0.0	0.0	
LAB*LABbr	95.41	0.0	0.0	0.0	
LAB*LABbs	95.41	0.0	0.0	0.0	
LAB*LABbt	95.41	0.0	0.0	0.0	
LAB*LABbu	95.41	0.0	0.0	0.0	
LAB*LABbv	95.41	0.0	0.0	0.0	
LAB*LABbw	95.41	0.0	0.0	0.0	
LAB*LABbx	95.41	0.0	0.0	0.0	
LAB*LABby	95.41	0.0	0.0	0.0	
LAB*LABbz	95.41	0.0	0.0	0.0	
LAB*LABca	95.41	0.0	0.0	0.0	
LAB*LABcb	95.41	0.0	0.0	0.0	

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 203/360 = 0.564$

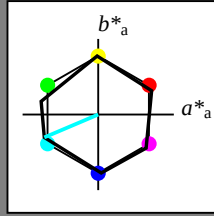
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

1,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

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0,75

0,50

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0,75

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0,25

0,00

↑

0,75

0,50

0,25

0,00

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,50

0,25

0,00

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0,75

0,50

0,25

0,00

Ausgabe: Farbmetrisches Reflexions-System TRS18

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

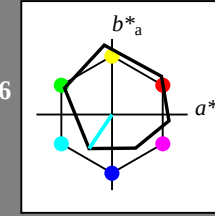
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

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0,75

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0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative CIELAB lab*

lab*lab 0.881 -0.139 -0.206

lab*lab 0.881 -0.139 -0.206

lab*nch 0.881 -0.139 -0.206

relative Natural Colour (NC)

lab*lab 0.881 -0.139 -0.206

lab*lab 0.881 -0.139 -0.206

lab*nch 0.881 -0.139 -0.206

relative CIELAB lab*

lab*lab 0.631 -0.123 -0.216

lab*lab 0.631 -0.123 -0.216

lab*nch 0.631 -0.123 -0.216

relative Natural Colour (NC)

lab*lab 0.631 -0.123 -0.216

lab*lab 0.631 -0.123 -0.216

lab*nch 0.631 -0.123 -0.216

relative CIELAB lab*

lab*lab 0.631 -0.123 -0.216

lab*lab 0.631 -0.123 -0.216

lab*nch 0.631 -0.123 -0.216

relative Natural Colour (NC)

lab*lab 0.631 -0.123 -0.216

lab*lab 0.631 -0.123 -0.216

lab*nch 0.631 -0.123 -0.216

relative CIELAB lab*

lab*lab 0.631 -0.123 -0.216

lab*lab 0.631 -0.123 -0.216

lab*nch 0.631 -0.123 -0.216

relative Natural Colour (NC)

lab*lab 0.631 -0.123 -0.216

lab*lab 0.631 -0.123 -0.216

lab*nch 0.631 -0.123 -0.216

relative Natural Colour (NC)

lab*lab 0.631 -0.123 -0.216

lab*lab 0.631 -0.123 -0.216

lab*nch 0.631 -0.123 -0.216

relative Natural Colour (NC)

lab*lab 0.631 -0.123 -0.216

lab*lab 0.631 -0.123 -0.216

lab*nch 0.631 -0.123 -0.216

relative Natural Colour (NC)

lab*lab 0.631 -0.123 -0.216

lab*lab 0.631 -0.123 -0.216

lab*nch 0.631 -0.123 -0.216

relative Natural Colour (NC)

lab*lab 0.631 -0.123 -0.216

lab*lab 0.631 -0.123 -0.216

lab*nch 0.631 -0.123 -0.216

relative Natural Colour (NC)

lab*lab 0.631 -0.123 -0.216

lab*lab 0.631 -0.123 -0.216

lab*nch 0.631 -0.123 -0.216

relative Natural Colour (NC)

lab*lab 0.631 -0.123 -0.216

lab*lab 0.631 -0.123 -0.216

lab*nch 0.631 -0.123 -0.216

relative Natural Colour (NC)

lab*lab 0.631 -0.123 -0.216

lab*lab 0.631 -0.123 -0.216

lab*nch 0.631 -0.123 -0.216

relative Natural Colour (NC)

lab*lab 0.631 -0.123 -0.216

lab*lab 0.631 -0.123 -0.216

lab*nch 0.631 -0.123 -0.216

relative Natural Colour (NC)

lab*lab 0.631 -0.123 -0.216

lab*lab 0.631 -0.123 -0.216

lab*nch 0.631 -0.123 -0.216

relative Natural Colour (NC)

lab*lab 0.631 -0.123 -0.216

lab*lab 0.631 -0.123 -0.216

lab*nch 0.631 -0.123 -0.216

relative Natural Colour (NC)

lab*lab 0.631 -0.123 -0.216

lab*lab 0.631 -0.123 -0.216

lab*nch 0.631 -0.123 -0.216

relative Natural Colour (NC)

lab*lab 0.631 -0.123 -0.216

lab*lab 0.631 -0.123 -0.216

lab*nch 0.631 -0.123 -0.216

relative Natural Colour (NC)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 203/360 = 0.564$

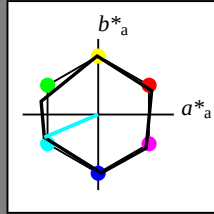
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 57 77 203

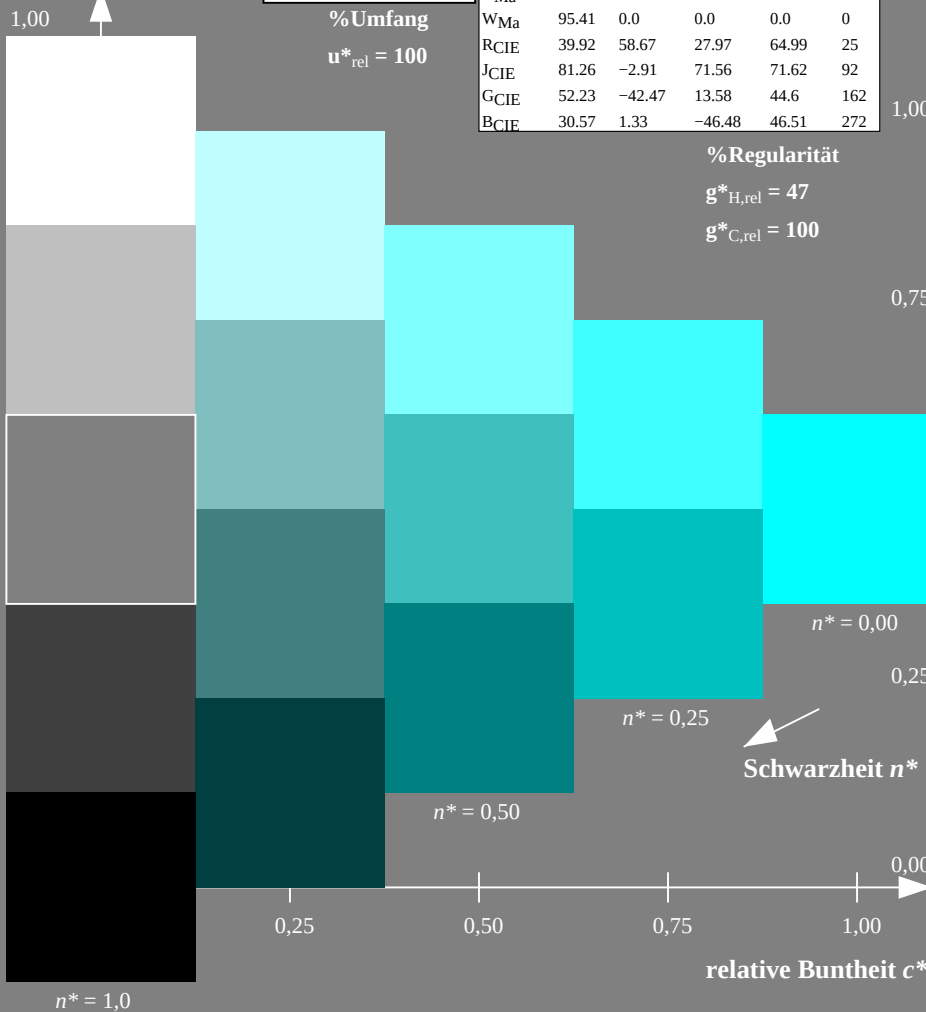
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$



TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

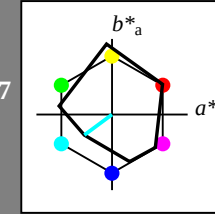
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 217

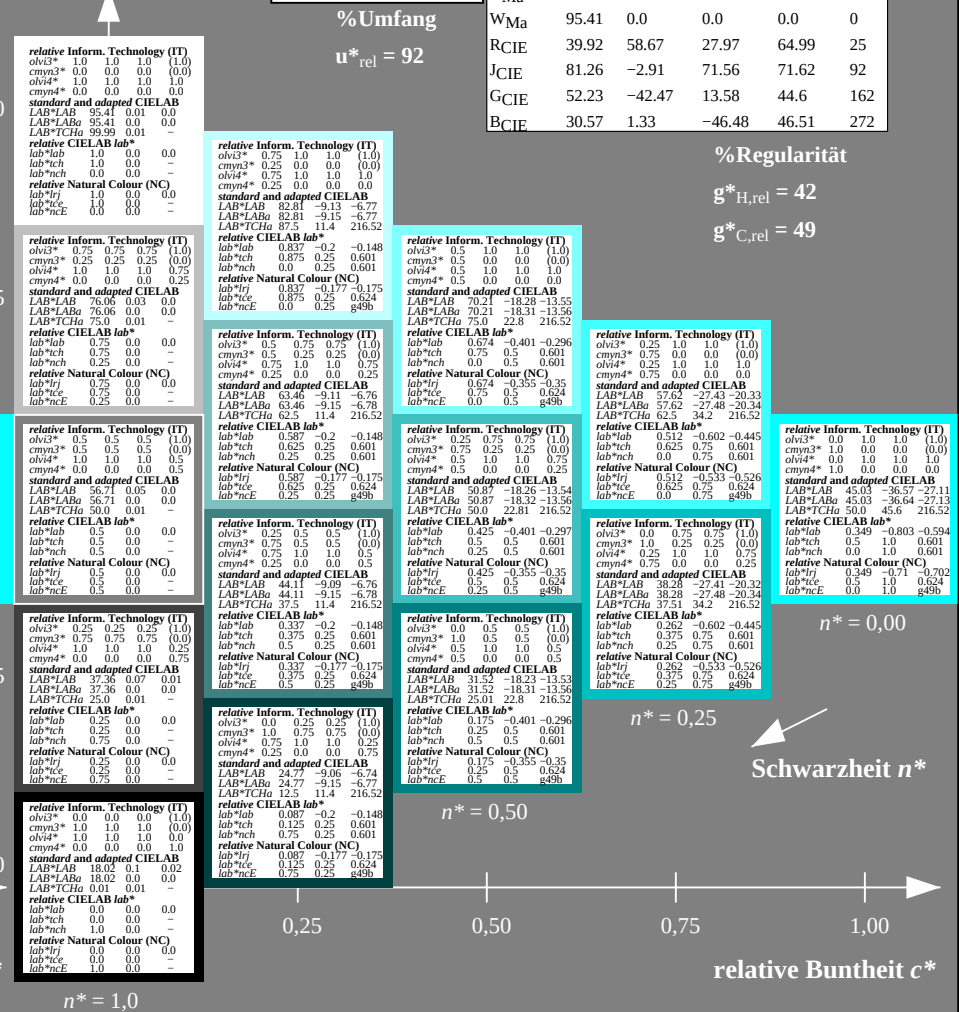
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$



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

NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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
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

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

MRS18a; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	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
RCIE	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

%Regularität

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

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relative Buntheit c^*

$n^* = 1,0$

Eingabe: Farbmetrisches Reflexions-System NRS18

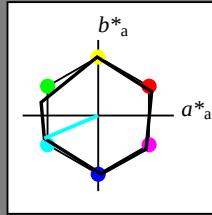
für Buntton $h^* = lab^*h = 203/360 = 0.564$ lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

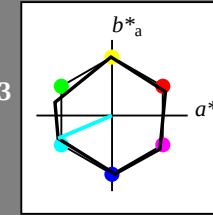
für Buntton $h^* = lab^*h = 203/360 = 0.564$ lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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 $n^* = 1,0$

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1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (links)

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 203/360 = 0.564$

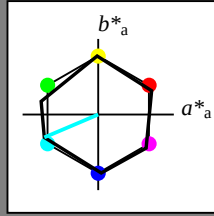
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 203/360 = 0.563$

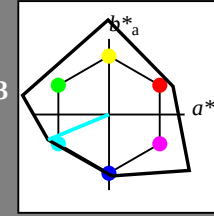
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



NCS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	47.15	84.63	37.24	92.46	24	
JMa	91.37	-1.27	125.03	125.03	91	
GMa	63.07	-114.29	25.34	117.07	167	
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203	
B _{Ma}	49.01	3.63	-81.2	81.29	273	
B50R _{Ma}	44.06	106.07	-73.94	129.31	325	
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

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 203/360 = 0.564$

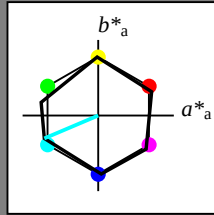
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 203/360 = 0.564$

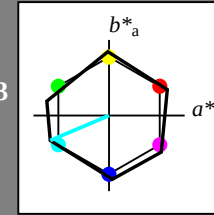
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 203/360 = 0.564$

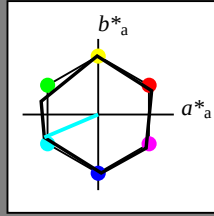
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 203/360 = 0.563$

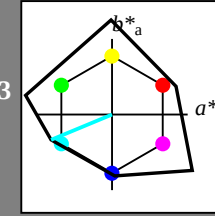
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

relative Inform. Technology (IT)
 $olvi3^* = 1.0$ 1.0 1.0 (1.0)
 $cmyn3^* = 0.0$ 0.0 0.0 (0.0)
 $olvi4^* = 1.0$ 1.0 1.0 1.0
 $cmyn4^* = 0.0$ 0.0 0.0 0.0
 standard and adapted CIELAB
 $LAB^*LAB = 95.41$ 0.0 0.0
 $LAB^*TCha = 99.99$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 1.0$ 0.0 0.0
 $lab^*ch = 1.0$ 0.0 -
 $lab^*nch = 0.0$ 0.0 0.0
 relative Natural Colour (NC)
 $lab^*trj = 1.0$ 0.0 0.0
 $lab^*tce = 0.0$ 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 0.25
 standard and adapted CIELAB
 $LAB^*LAB = 74.31$ 0.0 0.0
 $LAB^*TCha = 75.0$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.75$ 0.0 0.0
 $lab^*ch = 0.75$ 0.0 -
 $lab^*nch = 0.25$ 0.0 0.0
 relative Natural Colour (NC)
 $lab^*trj = 0.75$ 0.0 0.0
 $lab^*tce = 0.25$ 0.0 -
 $lab^*nce = 0.25$ 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 0.5
 $cmyn4^* = 0.0$ 0.0 0.0 0.5
 standard and adapted CIELAB
 $LAB^*LAB = 65.32$ -20.11 -8.35
 $LAB^*TCha = 65.32$ -20.14 -8.36
 relative CIELAB lab*
 $lab^*lab = 0.644$ -0.23 -0.095
 $lab^*ch = 0.625$ 0.25 0.563
 $lab^*nch = 0.25$ 0.25 0.563
 relative Natural Colour (NC)
 $lab^*trj = 0.644$ -0.208 -0.136
 $lab^*tce = 0.625$ 0.25 0.592
 $lab^*nce = 0.25$ 0.25 0.936

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 0.25
 $cmyn4^* = 0.0$ 0.0 0.0 0.75
 standard and adapted CIELAB
 $LAB^*LAB = 53.21$ 0.0 0.0
 $LAB^*TCha = 50.0$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.5$ 0.0 0.0
 $lab^*ch = 0.5$ 0.0 -
 $lab^*nch = 0.5$ 0.0 -
 relative Natural Colour (NC)
 $lab^*trj = 0.5$ 0.0 0.0
 $lab^*tce = 0.5$ 0.0 -
 $lab^*nce = 0.5$ 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 0.25
 $cmyn4^* = 0.0$ 0.0 0.0 0.75
 standard and adapted CIELAB
 $LAB^*LAB = 32.11$ 0.0 0.0
 $LAB^*TCha = 25.0$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.25$ 0.0 0.0
 $lab^*ch = 0.25$ 0.0 -
 $lab^*nch = 0.25$ 0.0 -
 relative Natural Colour (NC)
 $lab^*trj = 0.25$ 0.0 0.0
 $lab^*tce = 0.25$ 0.0 -
 $lab^*nce = 0.25$ 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 0.0
 $cmyn4^* = 0.0$ 0.0 0.0 1.0
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$ 0.07 0.01
 $LAB^*TCha = 0.01$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.0$ 0.0 0.0
 $lab^*ch = 0.0$ 0.0 -
 $lab^*nch = 1.0$ 0.0 -
 relative Natural Colour (NC)
 $lab^*trj = 0.0$ 0.0 0.0
 $lab^*tce = 0.0$ 0.0 -
 $lab^*nce = 1.0$ 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 0.0
 $cmyn4^* = 0.0$ 0.0 0.0 1.0
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$ 0.07 0.01
 $LAB^*TCha = 0.01$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.0$ 0.0 0.0
 $lab^*ch = 0.0$ 0.0 -
 $lab^*nch = 1.0$ 0.0 -
 relative Natural Colour (NC)
 $lab^*trj = 0.0$ 0.0 0.0
 $lab^*tce = 0.0$ 0.0 -
 $lab^*nce = 1.0$ 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 0.0
 $cmyn4^* = 0.0$ 0.0 0.0 1.0
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$ 0.07 0.01
 $LAB^*TCha = 0.01$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.0$ 0.0 0.0
 $lab^*ch = 0.0$ 0.0 -
 $lab^*nch = 1.0$ 0.0 -
 relative Natural Colour (NC)
 $lab^*trj = 0.0$ 0.0 0.0
 $lab^*tce = 0.0$ 0.0 -
 $lab^*nce = 1.0$ 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 0.0
 $cmyn4^* = 0.0$ 0.0 0.0 1.0
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$ 0.07 0.01
 $LAB^*TCha = 0.01$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.0$ 0.0 0.0
 $lab^*ch = 0.0$ 0.0 -
 $lab^*nch = 1.0$ 0.0 -
 relative Natural Colour (NC)
 $lab^*trj = 0.0$ 0.0 0.0
 $lab^*tce = 0.0$ 0.0 -
 $lab^*nce = 1.0$ 0.0 -

$n^* = 1,0$

NCS11; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	47.15	84.64	37.25	92.48	24	
JMa	91.37	-1.27	125.03	125.03	91	
GMa	63.07	-114.28	25.35	117.06	167	
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203	
B _{Ma}	49.01	3.65	-81.19	81.28	273	
B50R _{Ma}	44.06	106.09	-73.93	129.32	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

$g^*_{H,rel} = 46$

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

relative Inform. Technology (IT)
 $olvi3^* = 0.75$ 1.0 1.0 (1.0)
 $cmyn3^* = 0.25$ 0.0 0.0 (0.0)
 $olvi4^* = 0.75$ 1.0 1.0 1.0
 $cmyn4^* = 0.25$ 0.0 0.0 0.0
 standard and adapted CIELAB
 $LAB^*LAB = 86.42$ -20.12 -8.35
 $LAB^*TCha = 86.42$ -20.13 -8.35
 relative CIELAB lab*
 $lab^*lab = 0.893$ -0.23 -0.095
 $lab^*ch = 0.875$ 0.25 0.563
 $lab^*nch = 0.0$ 0.25 0.563
 relative Natural Colour (NC)
 $lab^*trj = 0.893$ -0.208 -0.136
 $lab^*tce = 0.875$ 0.25 0.592
 $lab^*nce = 0.0$ 0.25 0.936

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 0.5
 $cmyn4^* = 0.5$ 0.0 0.0 0.5
 standard and adapted CIELAB
 $LAB^*LAB = 65.32$ -20.11 -8.35
 $LAB^*TCha = 65.32$ -20.14 -8.36
 relative CIELAB lab*
 $lab^*lab = 0.644$ -0.23 -0.095
 $lab^*ch = 0.625$ 0.25 0.563
 $lab^*nch = 0.25$ 0.25 0.563
 relative Natural Colour (NC)
 $lab^*trj = 0.644$ -0.208 -0.136
 $lab^*tce = 0.625$ 0.25 0.592
 $lab^*nce = 0.25$ 0.25 0.936

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 0.25
 $cmyn4^* = 0.25$ 0.0 0.0 0.75
 standard and adapted CIELAB
 $LAB^*LAB = 53.21$ 0.0 0.0
 $LAB^*TCha = 50.0$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.5$ 0.0 0.0
 $lab^*ch = 0.5$ 0.0 -
 $lab^*nch = 0.5$ 0.0 -
 relative Natural Colour (NC)
 $lab^*trj = 0.5$ 0.0 0.0
 $lab^*tce = 0.5$ 0.0 -
 $lab^*nce = 0.5$ 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 0.25
 $cmyn4^* = 0.25$ 0.0 0.0 0.75
 standard and adapted CIELAB
 $LAB^*LAB = 32.11$ 0.0 0.0
 $LAB^*TCha = 25.0$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.25$ 0.0 0.0
 $lab^*ch = 0.25$ 0.0 -
 $lab^*nch = 0.25$ 0.0 -
 relative Natural Colour (NC)
 $lab^*trj = 0.25$ 0.0 0.0
 $lab^*tce = 0.25$ 0.0 -
 $lab^*nce = 0.25$ 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 0.0
 $cmyn4^* = 0.0$ 0.0 0.0 1.0
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$ 0.07 0.01
 $LAB^*TCha = 0.01$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.0$ 0.0 0.0
 $lab^*ch = 0.0$ 0.0 -
 $lab^*nch = 1.0$ 0.0 -
 relative Natural Colour (NC)
 $lab^*trj = 0.0$ 0.0 0.0
 $lab^*tce = 0.0$ 0.0 -
 $lab^*nce = 1.0$ 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 0.0
 $cmyn4^* = 0.0$ 0.0 0.0 1.0
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$ 0.07 0.01
 $LAB^*TCha = 0.01$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.0$ 0.0 0.0
 $lab^*ch = 0.0$ 0.0 -
 $lab^*nch = 1.0$ 0.0 -
 relative Natural Colour (NC)
 $lab^*trj = 0.0$ 0.0 0.0
 $lab^*tce = 0.0$ 0.0 -
 $lab^*nce = 1.0$ 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 0.0
 $cmyn4^* = 0.0$ 0.0 0.0 1.0
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$ 0.07 0.01
 $LAB^*TCha = 0.01$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.0$ 0.0 0.0
 $lab^*ch = 0.0$ 0.0 -
 $lab^*nch = 1.0$ 0.0 -
 relative Natural Colour (NC)
 $lab^*trj = 0.0$ 0.0 0.0
 $lab^*tce = 0.0$ 0.0 -
 $lab^*nce = 1.0$ 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 0.0
 $cmyn4^* = 0.0$ 0.0 0.0 1.0
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$ 0.07 0.01
 $LAB^*TCha = 0.01$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.0$ 0.0 0.0
 $lab^*ch = 0.0$ 0.0 -
 $lab^*nch = 1.0$ 0.0 -
 relative Natural Colour (NC)
 $lab^*trj = 0.0$ 0.0 0.0
 $lab^*tce = 0.0$ 0.0 -
 $lab^*nce = 1.0$ 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 0.0
 $cmyn4^* = 0.0$ 0.0 0.0 1.0
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$ 0.07 0.01
 $LAB^*TCha = 0.01$ 0.01 -
 relative CIELAB lab*
 $lab^*lab = 0.0$ 0.0 0.0
 $lab^*ch = 0.0$ 0.0 -
 $lab^*nch = 1.0$ 0.0 -
 relative Natural Colour (NC)
 $lab^*trj = 0.0$ 0.0 0.0
 $lab^*tce = 0.0$ 0.0 -
 $lab^*nce = 1.0$ 0.0 -

$n^* = 0,50$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (links)

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 203/360 = 0.563$

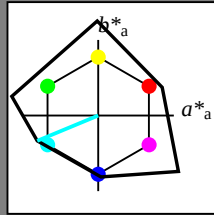
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmimetrisches Reflexions-System ORS18

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

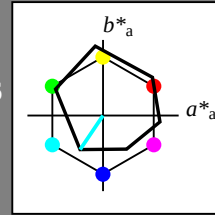
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

0,75

%Regularität

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

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

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*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	95.41	0.0	0.0		
LAB*LABc	95.41	0.0	0.0		
LAB*LABd	95.41	0.0	0.0		
LAB*LABe	95.41	0.0	0.0		
LAB*LABf	95.41	0.0	0.0		
LAB*LABg	95.41	0.0	0.0		
LAB*LABh	95.41	0.0	0.0		
LAB*LABi	95.41	0.0	0.0		
LAB*LABj	95.41	0.0	0.0		
LAB*LABk	95.41	0.0	0.0		
LAB*LABl	95.41	0.0	0.0		
LAB*LABm	95.41	0.0	0.0		
LAB*LABn	95.41	0.0	0.0		
LAB*LABo	95.41	0.0	0.0		
LAB*LABp	95.41	0.0	0.0		
LAB*LABq	95.41	0.0	0.0		
LAB*LABr	95.41	0.0	0.0		
LAB*LABs	95.41	0.0	0.0		
LAB*LABt	95.41	0.0	0.0		
LAB*LABu	95.41	0.0	0.0		
LAB*LABv	95.41	0.0	0.0		
LAB*LABw	95.41	0.0	0.0		
LAB*LABx	95.41	0.0	0.0		
LAB*LABy	95.41	0.0	0.0		
LAB*LABz	95.41	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	0.0	0.0		
LAB*LABa	56.71	0.0	0.0		
LAB*LABb	56.71	0.0	0.0		
LAB*LABc	56.71	0.0	0.0		
LAB*LABd	56.71	0.0	0.0		
LAB*LABe	56.71	0.0	0.0		
LAB*LABf	56.71	0.0	0.0		
LAB*LABg	56.71	0.0	0.0		
LAB*LABh	56.71	0.0	0.0		
LAB*LABi	56.71	0.0	0.0		
LAB*LABj	56.71	0.0	0.0		
LAB*LABk	56.71	0.0	0.0		
LAB*LABl	56.71	0.0	0.0		
LAB*LABm	56.71	0.0	0.0		
LAB*LABn	56.71	0.0	0.0		
LAB*LABo	56.71	0.0	0.0		
LAB*LABp	56.71	0.0	0.0		
LAB*LABq	56.71	0.0	0.0		
LAB*LABr	56.71	0.0	0.0		
LAB*LABs	56.71	0.0	0.0		
LAB*LABt	56.71	0.0	0.0		
LAB*LABu	56.71	0.0	0.0		
LAB*LABv	56.71	0.0	0.0		
LAB*LABw	56.71	0.0	0.0		
LAB*LABx	56.71	0.0	0.0		
LAB*LABy	56.71	0.0	0.0		
LAB*LABz	56.71	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(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	18.02	0.0	0.0		
LAB*LABa	18.02	0.0	0.0		
LAB*LABb	18.02	0.0	0.0		
LAB*LABc	18.02	0.0	0.0		
LAB*LABd	18.02	0.0	0.0		
LAB*LABe	18.02	0.0	0.0		
LAB*LABf	18.02	0.0	0.0		
LAB*LABg	18.02	0.0	0.0		
LAB*LABh	18.02	0.0	0.0		
LAB*LABi	18.02	0.0	0.0		
LAB*LABj	18.02	0.0	0.0		
LAB*LABk	18.02	0.0	0.0		
LAB*LABl	18.02	0.0	0.0		
LAB*LABm	18.02	0.0	0.0		
LAB*LABn	18.02	0.0	0.0		
LAB*LABo	18.02	0.0	0.0		
LAB*LABp	18.02	0.0	0.0		
LAB*LABq	18.02	0.0	0.0		
LAB*LABr	18.02	0.0	0.0		
LAB*LABs	18.02	0.0	0.0		
LAB*LABt	18.02	0.0	0.0		
LAB*LABu	18.02	0.0	0.0		
LAB*LABv	18.02	0.0	0.0		
LAB*LABw	18.02	0.0	0.0		
LAB*LABx	18.02	0.0	0.0		
LAB*LABy	18.02	0.0	0.0		
LAB*LABz	18.02	0.0	0.0		

$n^* = 1,0$

$n^* = 0,50$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (links)

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

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 203/360 = 0.563$

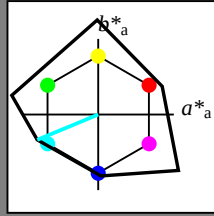
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

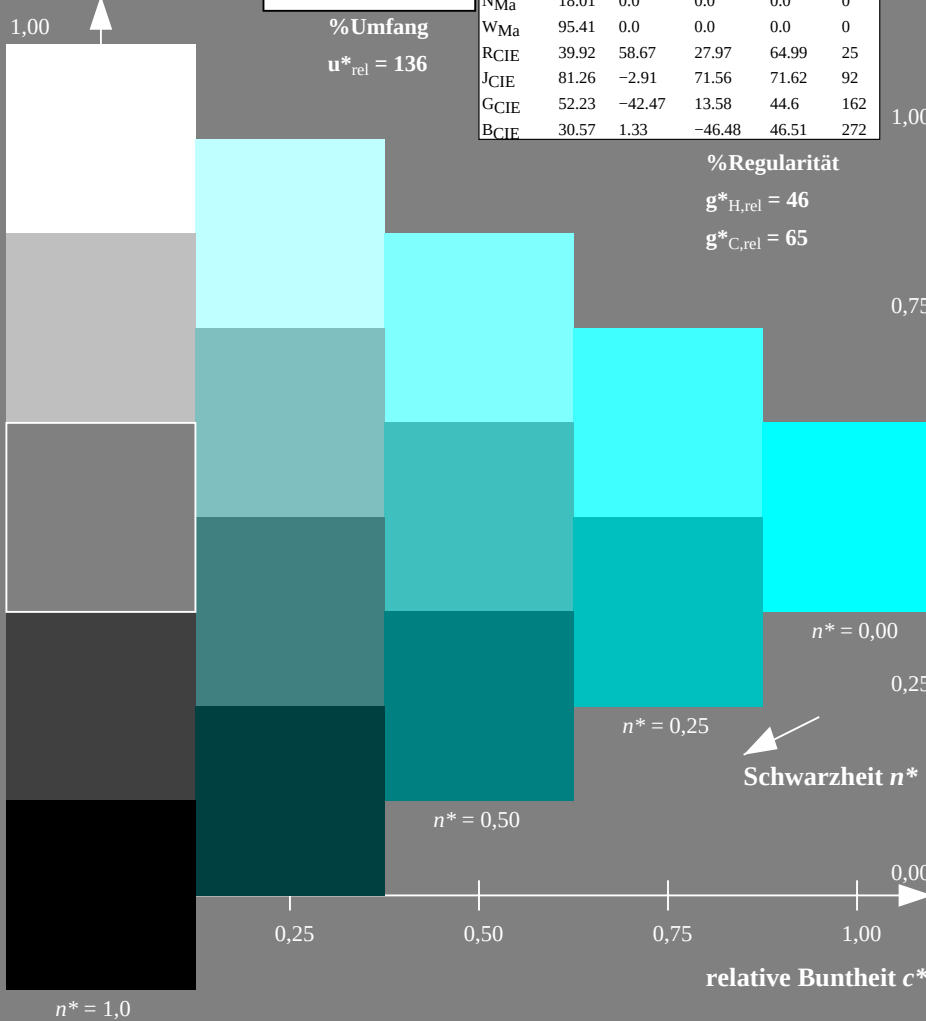
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$



TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18

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

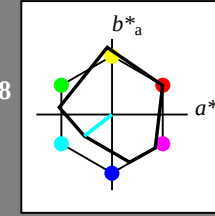
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

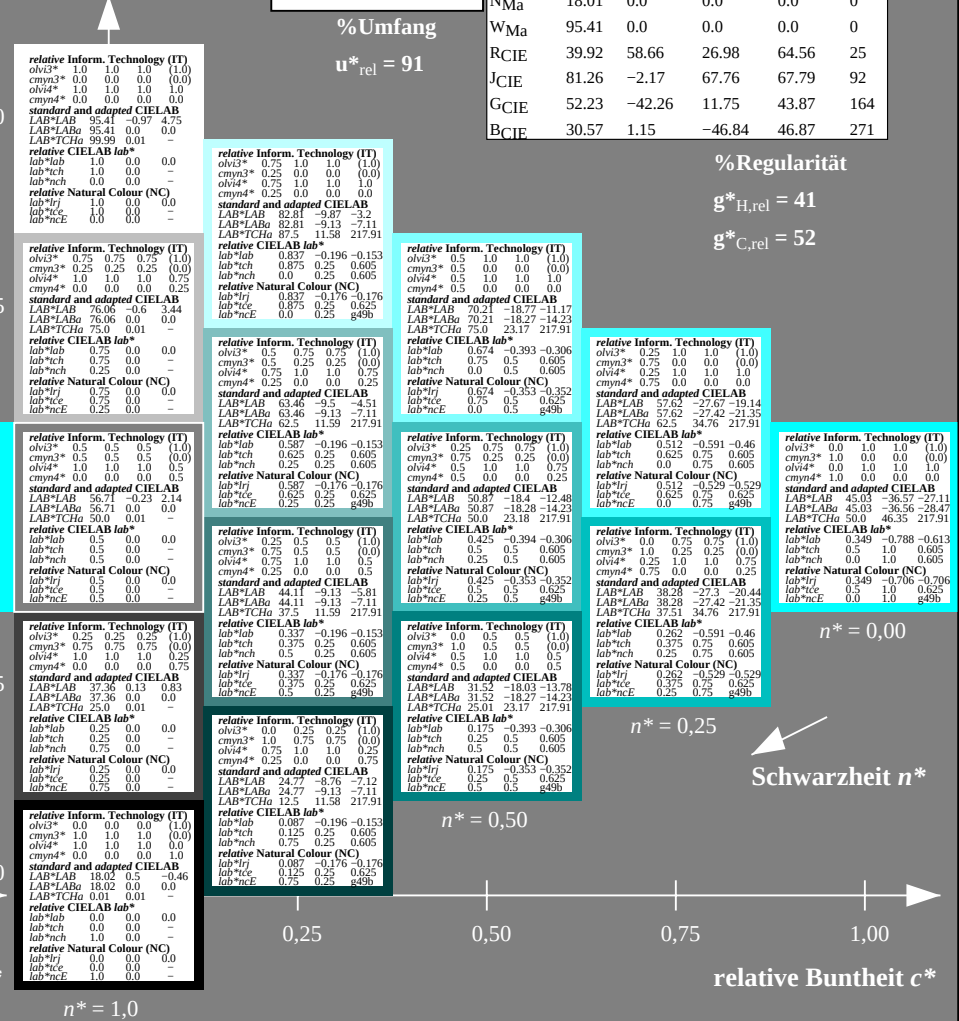
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$



5 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

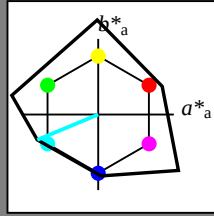
für Buntton $h^* = lab^*h = 203/360 = 0.563$ lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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Ausgabe: Farbmetrisches Reflexions-System TRS18

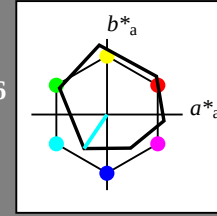
für Buntton $h^* = lab^*h = 236/360 = 0.656$ lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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TRS18; 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

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

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 $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (links)

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

Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 203/360 = 0.563$

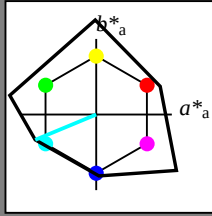
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

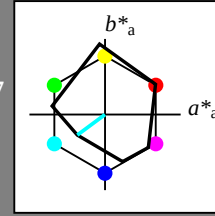
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	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
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^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (links)

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

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $203/360 = 0.563$ (links)

Eingabe: Farbmetrisches Reflexions-System NCS18

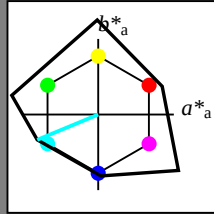
für Buntton $h^* = lab^*h = 203/360 = 0.563$ lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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Ausgabe: Farbmetrisches Reflexions-System NCS18

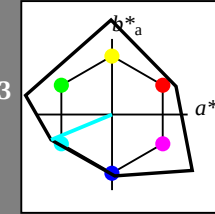
für Buntton $h^* = lab^*h = 203/360 = 0.563$ lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (links)

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 203/360 = 0.563$

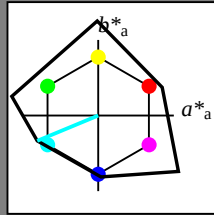
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

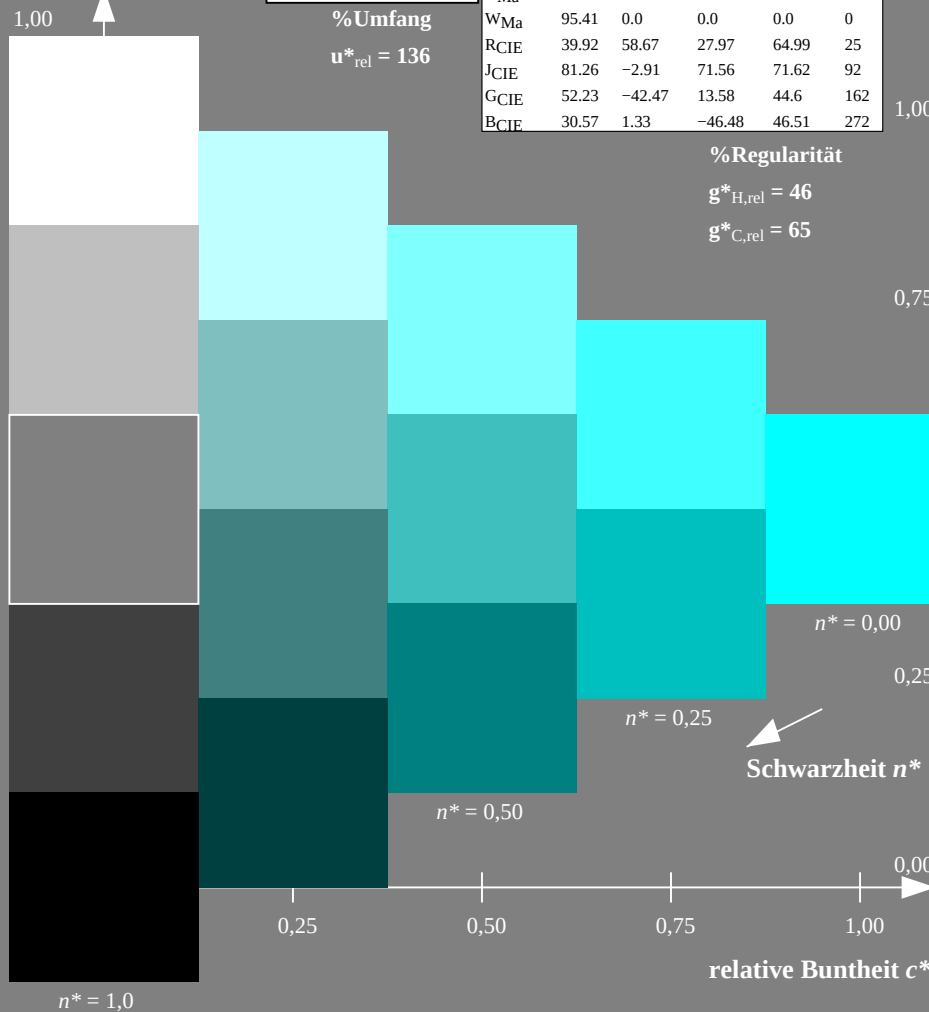
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$



$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 203/360 = 0.564$

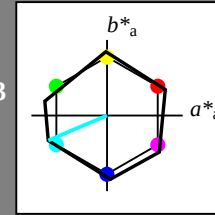
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 53 84 203

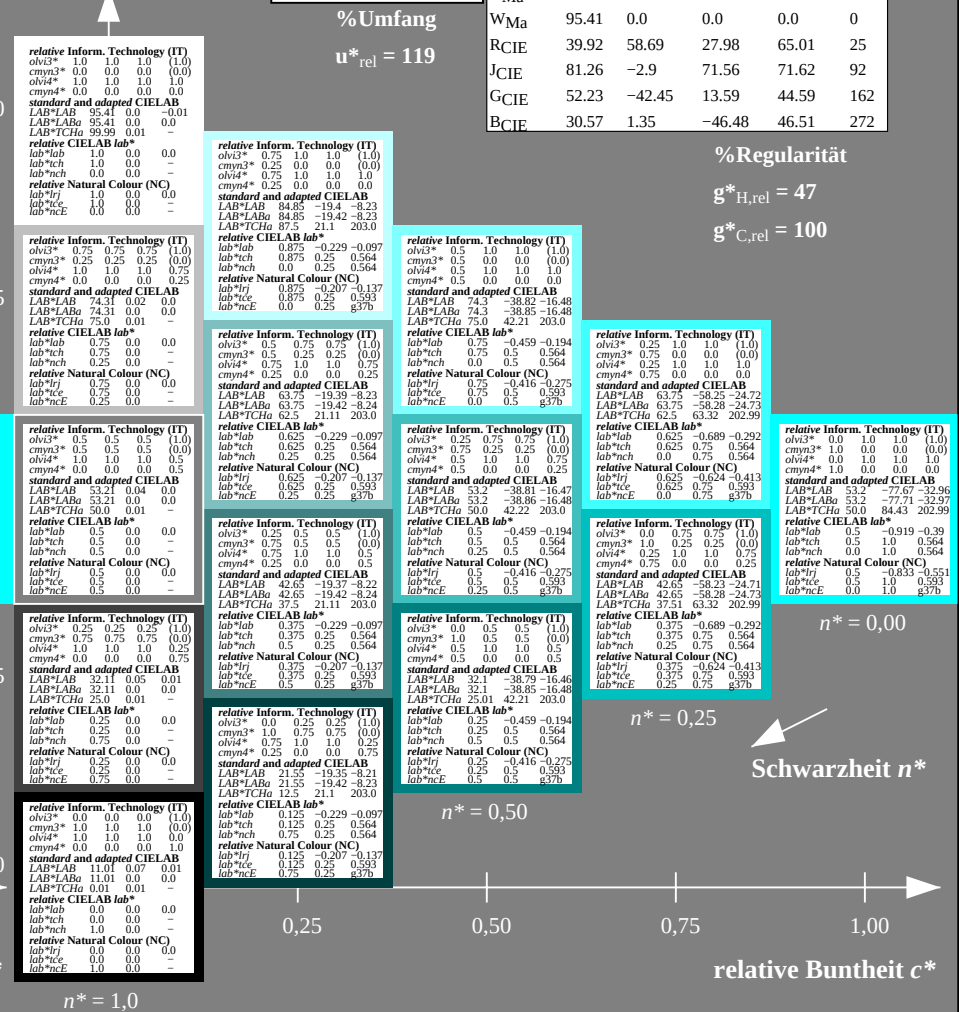
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$



$n^* = 1,0$

relative Buntheit c^*

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

$n^* = 1,0$

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (links)

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

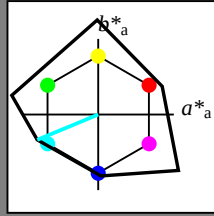
für Buntton $h^* = \text{lab}^*h = 203/360 = 0.563$ lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

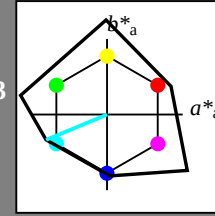
für Buntton $h^* = \text{lab}^*h = 203/360 = 0.563$ lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (rechts)

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $203/360 = 0.564$ (links)

Eingabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = \text{lab}^*h = 203/360 = 0.564$

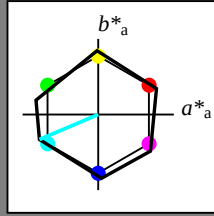
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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Schwarzheit n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = \text{lab}^*h = 218/360 = 0.605$

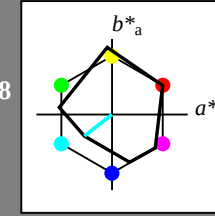
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

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$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (rechts)

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

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

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%Regularität

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

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%Regularität

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

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%Regularität

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

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%Regularität

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

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%Regularität

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

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%Regularität

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

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%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

g

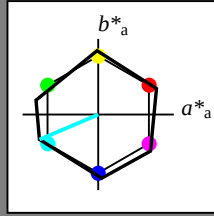
Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 203/360 = 0.564$

lab^*ch und lab^*nch

D65: Buntton G50B
LCH*Ma: 53 84 203
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
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B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (links)

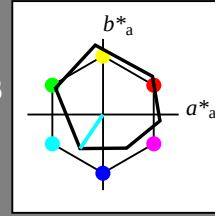
Ausgabe: Farbmetrisches Reflexions-System TRS18

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

lab^*ch und lab^*nch

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

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*LABb	76.06	0.0	0.0	0.0	0.0
LAB*LABc	76.06	0.0	0.0	0.0	0.0
LAB*LABd	76.06	0.0	0.0	0.0	0.0
LAB*LABe	76.06	0.0	0.0	0.0	0.0
LAB*LABf	76.06	0.0	0.0	0.0	0.0
LAB*LABg	76.06	0.0	0.0	0.0	0.0
LAB*LABh	76.06	0.0	0.0	0.0	0.0
LAB*LABi	76.06	0.0	0.0	0.0	0.0
LAB*LABj	76.06	0.0	0.0	0.0	0.0
LAB*LABk	76.06	0.0	0.0	0.0	0.0
LAB*LABl	76.06	0.0	0.0	0.0	0.0
LAB*LABm	76.06	0.0	0.0	0.0	0.0
LAB*LABn	76.06	0.0	0.0	0.0	0.0
LAB*LABo	76.06	0.0	0.0	0.0	0.0
LAB*LABp	76.06	0.0	0.0	0.0	0.0
LAB*LABq	76.06	0.0	0.0	0.0	0.0
LAB*LABr	76.06	0.0	0.0	0.0	0.0
LAB*LABs	76.06	0.0	0.0	0.0	0.0
LAB*LABt	76.06	0.0	0.0	0.0	0.0
LAB*LABu	76.06	0.0	0.0	0.0	0.0
LAB*LABv	76.06	0.0	0.0	0.0	0.0
LAB*LABw	76.06	0.0	0.0	0.0	0.0
LAB*LABx	76.06	0.0	0.0	0.0	0.0
LAB*LABy	76.06	0.0	0.0	0.0	0.0
LAB*LABz	76.06	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	56.71	0.0	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0	0.0
LAB*LABd	56.71	0.0	0.0	0.0	0.0
LAB*LABe	56.71	0.0	0.0	0.0	0.0
LAB*LABf	56.71	0.0	0.0	0.0	0.0
LAB*LABg	56.71	0.0	0.0	0.0	0.0
LAB*LABh	56.71	0.0	0.0	0.0	0.0
LAB*LABi	56.71	0.0	0.0	0.0	0.0
LAB*LABj	56.71	0.0	0.0	0.0	0.0
LAB*LABk	56.71	0.0	0.0	0.0	0.0
LAB*LABl	56.71	0.0	0.0	0.0	0.0
LAB*LABm	56.71	0.0	0.0	0.0	0.0
LAB*LABn	56.71	0.0	0.0	0.0	0.0
LAB*LABo	56.71	0.0	0.0	0.0	0.0
LAB*LABp	56.71	0.0	0.0	0.0	0.0
LAB*LABq	56.71	0.0	0.0	0.0	0.0
LAB*LABr	56.71	0.0	0.0	0.0	0.0
LAB*LABs	56.71	0.0	0.0	0.0	0.0
LAB*LABt	56.71	0.0	0.0	0.0	0.0
LAB*LABu	56.71	0.0	0.0	0.0	0.0
LAB*LABv	56.71	0.0	0.0	0.0	0.0
LAB*LABw	56.71	0.0	0.0	0.0	0.0
LAB*LABx	56.71	0.0	0.0	0.0	0.0
LAB*LABy	56.71	0.0	0.0	0.0	0.0
LAB*LABz	56.71	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	47.51	0.0	0.0	0.0	0.0
LAB*LABa	47.51	0.0	0.0	0.0	0.0
LAB*LABb	47.51	0.0	0.0	0.0	0.0
LAB*LABc	47.51	0.0	0.0	0.0	0.0
LAB*LABd	47.51	0.0	0.0	0.0	0.0
LAB*LABe	47.51	0.0	0.0	0.0	0.0
LAB*LABf	47.51	0.0	0.0	0.0	0.0
LAB*LABg	47.51	0.0	0.0	0.0	0.0
LAB*LABh	47.51	0.0	0.0	0.0	0.0
LAB*LABi	47.51	0.0	0.0	0.0	0.0
LAB*LABj	47.51	0.0	0.0	0.0	0.0
LAB*LABk	47.51	0.0	0.0	0.0	0.0
LAB*LABl	47.51	0.0	0.0	0.0	0.0
LAB*LABm	47.51	0.0	0.0	0.0	0.0
LAB*LABn	47.51	0.0	0.0	0.0	0.0
LAB*LABo	47.51	0.0	0.0	0.0	0.0
LAB*LABp	47.51	0.0	0.0	0.0	0.0
LAB*LABq	47.51	0.0	0.0	0.0	0.0
LAB*LABr	47.51	0.0	0.0	0.0	0.0
LAB*LABs	47.51	0.0	0.0	0.0	0.0
LAB*LABt	47.51	0.0	0.0	0.0	0.0
LAB*LABu	47.51	0.0	0.0	0.0	0.0
LAB*LABv	47.51	0.0	0.0	0.0	0.0
LAB*LABw	47.51	0.0	0.0	0.0	0.0
LAB*LABx	47.51	0.0	0.0	0.0	0.0
LAB*LABy	47.51	0.0	0.0	0.0	0.0
LAB*LABz	47.51	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	37.36	0.0	0.0	0.0	0.0
LAB*LABa	37.36	0.0	0.0	0.0	0.0
LAB*LABb	37.36	0.0	0.0	0.0	0.0
LAB*LABc	37.36	0.0	0.0	0.0	0.0
LAB*LABd	37.36	0.0	0.0	0.0	0.0
LAB*LABe	37.36	0.0	0.0	0.0	0.0
LAB*LABf	37.36	0.0	0.0	0.0	0.0
LAB*LABg	37.36	0.0	0.0	0.0	0.0
LAB*LABh	37.36	0.0	0.0	0.0	0.0
LAB*LABi	37.36	0.0	0.0	0.0	0.0
LAB*LABj	37.36	0.0	0.0	0.0	0.0
LAB*LABk	37.36	0.0	0.0	0.0	0.0
LAB*LABl	37.36	0.0	0.0	0.0	0.0
LAB*LABm	37.36	0.0	0.0	0.0	0.0
LAB*LABn	37.36	0.0	0.0	0.0	0.0
LAB*LABo	37.36	0.0	0.0	0.0	0.0
LAB*LABp	37.36	0.0	0.0	0.0	0.0
LAB*LABq	37.36	0.0	0.0	0.0	0.0
LAB*LABr	37.36	0.0	0.0	0.0	0.0
LAB*LABs	37.36	0.0	0.0	0.0	0.0
LAB*LABt	37.36	0.0	0.0	0.0	0.0
LAB*LABu	37.36	0.0	0.0	0.0	0.0
LAB*LABv	37.36	0.0	0.0	0.0	0.0
LAB*LABw	37.36	0.0	0.0	0.0	0.0
LAB*LABx	37.36	0.0	0.0	0.0	0.0
LAB*LABy	37.36	0.0	0.0	0.0	0.0
LAB*LABz	37.36	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	25.0	0.0	0.0	0.0	0.0
LAB*LABa	25.0	0.0	0.0	0.0	0.0
LAB*LABb	25.0	0.0	0.0	0.0	0.0
LAB*LABc	25.0	0.0	0.0	0.0	0.0
LAB*LABd	25.0	0.0	0.0	0.0	0.0
LAB*LABe	25.0	0.0	0.0	0.0	0.0
LAB*LABf	25.0	0.0	0.0	0.0	0.0
LAB*LABg	25.0	0.0	0.0	0.0	0.0
LAB*LABh	25.0	0.0	0.0	0.0	0.0
LAB*LABi	25.0	0.0	0.0	0.0	0.0
LAB*LABj	25.0	0.0	0.0	0.0	0.0
LAB*LABk	25.0	0.0	0.0	0.0	0.0
LAB*LABl	25.0	0.0	0.0	0.0	0.0
LAB*LABm	25.0	0.0	0.0	0.0	0.0
LAB*LABn	25.0	0.0	0.0	0.0	0.0
LAB*LABo	25.0	0.0	0.0	0.0	0.0
LAB*LABp	25.0	0.0	0.0	0.0	0.0

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 203/360 = 0.564$

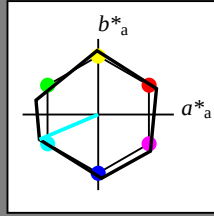
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

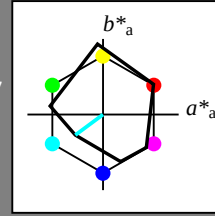
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	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
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^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (links)

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

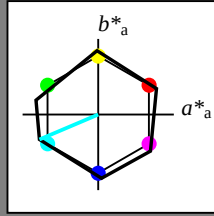
Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 203/360 = 0.564$

lab^*ch und lab^*nch

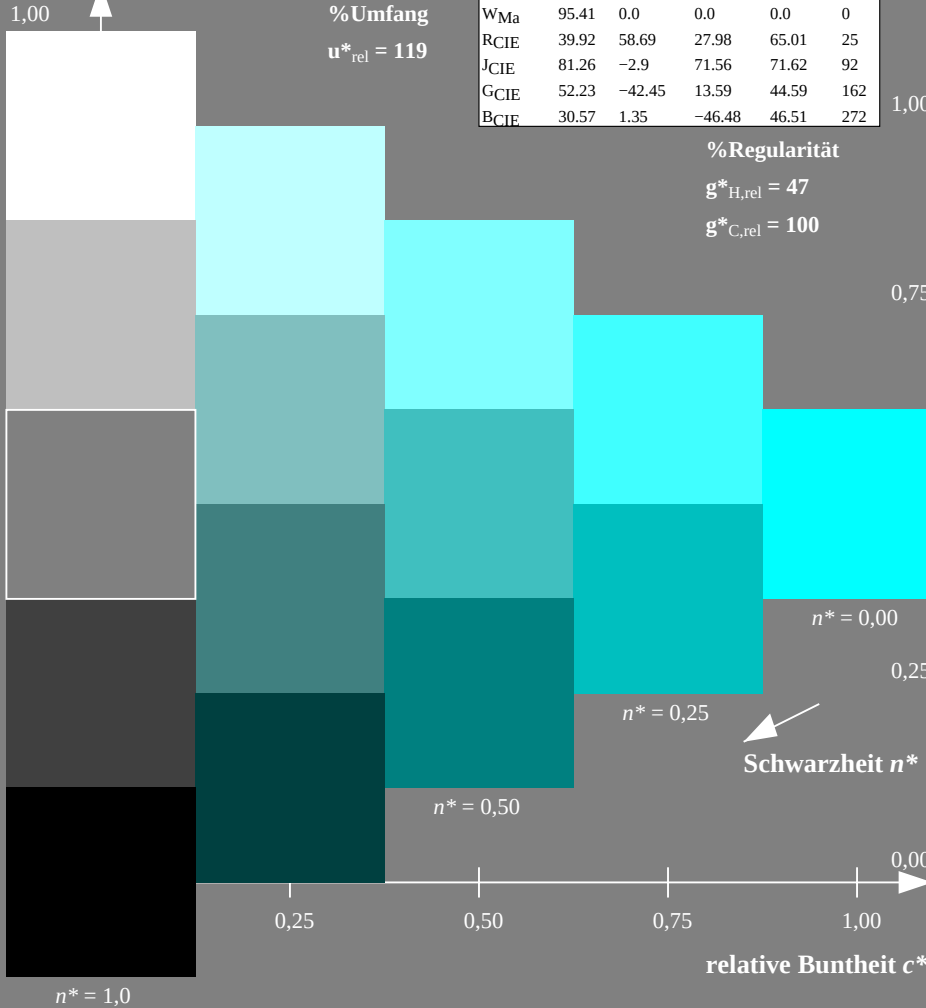
D65: Buntton G50B
LCH*Ma: 53 84 203
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$



TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (links)

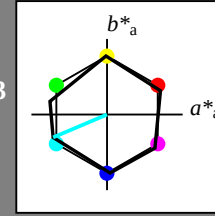
Ausgabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 203/360 = 0.564$

lab^*ch und lab^*nch

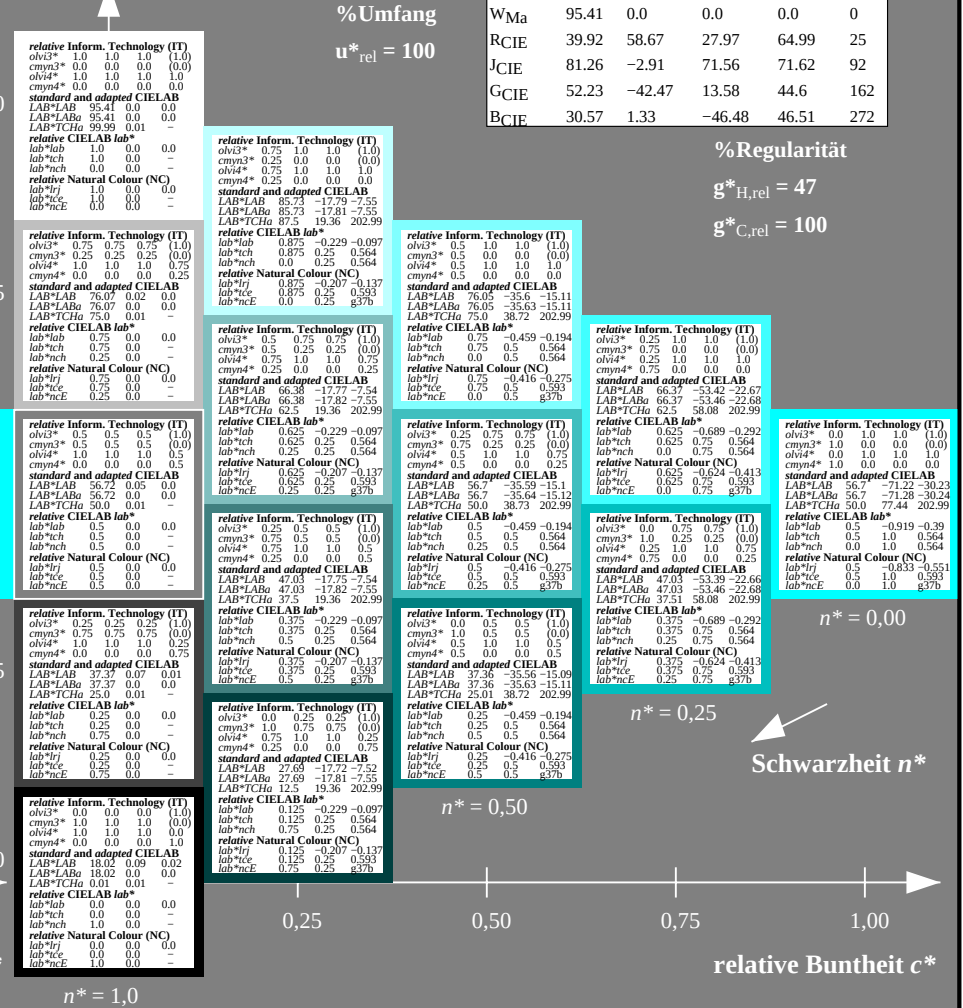
D65: Buntton G50B
LCH*Ma: 57 77 203
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$



5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 203/360 = 0.564$

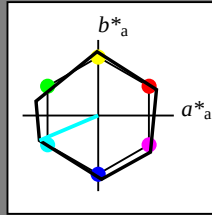
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 203/360 = 0.563$

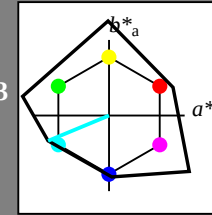
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NRS11

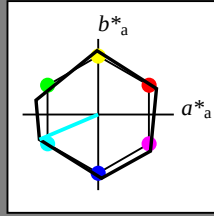
für Buntton $h^* = \text{lab}^*h = 203/360 = 0.564$ lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

1,00

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

0,75

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Ausgabe: Farbmimetrisches Reflexions-System NRS11

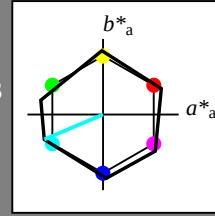
für Buntton $h^* = \text{lab}^*h = 203/360 = 0.564$ lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

1,00

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

0,75

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (links)

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 203/360 = 0.564$

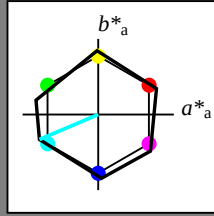
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	53.2	77.06	34.32	84.36	24	
JMa	53.2	-1.51	84.38	84.39	91	
GMa	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	4.37	-84.28	84.41	273	
B50R _{Ma}	53.2	69.09	-48.41	84.37	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 203/360 = 0.563$

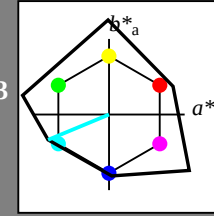
lab^*tch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	47.15	84.64	37.25	92.48	24	
JMa	91.37	-1.27	125.03	125.03	91	
GMa	63.07	-114.28	25.35	117.06	167	
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203	
B _{Ma}	49.01	3.65	-81.19	81.28	273	
B50R _{Ma}	44.06	106.09	-73.93	129.32	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

$g^*_{H,rel} = 46$

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

$n^* = 1,0$

relative Buntheit c^*

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Schwarzheit n^*

Schwarzheit n^*

Schwarzheit n^*

Schwarzheit n^*

Schwarzheit n^*

Schwarzheit n^*

Schwarzheit n^*

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Schwarzheit n^*

Schwarzheit n^*

Schwarzheit n^*

Schwarzheit n^*

Schwarzheit n^*

Schwarzheit n^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (links)

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 203/360 = 0.563$

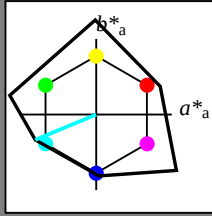
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18

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

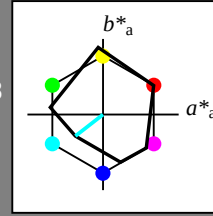
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

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

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 0,50$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (rechts)

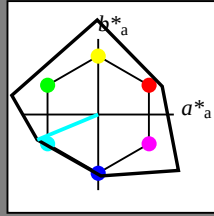
Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 203/360 = 0.563$

lab^*ch und lab^*nch

D65: Buntton G50B
LCH*Ma: 59 87 203
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (links)

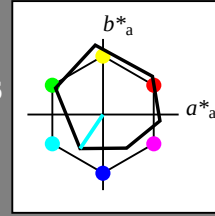
Ausgabe: Farbmetrisches Reflexions-System TRS18

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

lab^*ch und lab^*nch

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

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

0,75

%Regularität

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

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

TRS18; 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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

relative Buntheit c^*

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

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 203/360 = 0.563$

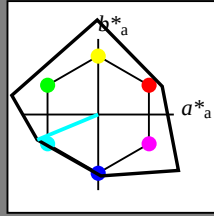
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

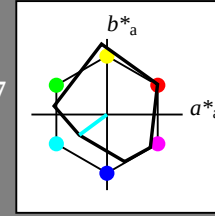
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten	$L^*=L^*_a$	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
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

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (links)

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

Eingabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 203/360 = 0.563$

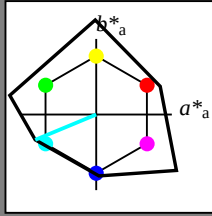
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

1,00

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

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Ausgabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 203/360 = 0.564$

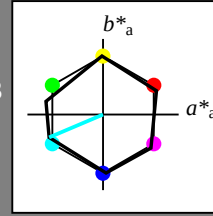
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 57 77 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

1,00

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

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$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

Schwarzheit n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

Schwarzheit n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (links)

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 203/360 = 0.563$

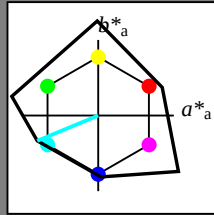
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 203/360 = 0.564$

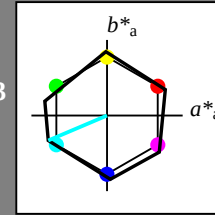
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (links)

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

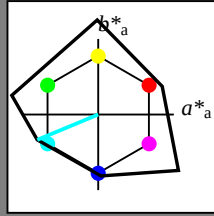
für Buntton $h^* = lab^*h = 203/360 = 0.563$ lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

1,00

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

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Ausgabe: Farbmetrisches Reflexions-System NCS11

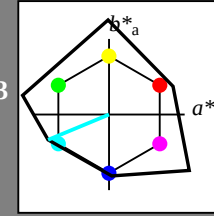
für Buntton $h^* = lab^*h = 203/360 = 0.563$ lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

1,00

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (links)

5 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.563 (rechts)

Eingabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

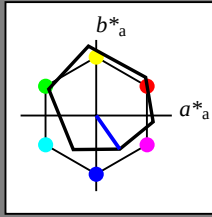
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

Ausgabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

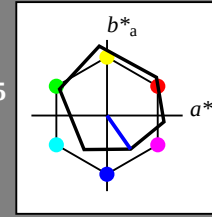
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

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

Eingabe: Farbmetrisches Reflexions-System ORS18

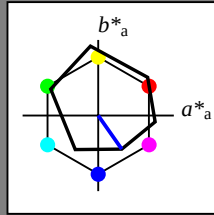
für Buntton $h^* = lab^*h = 305/360 = 0.847$ lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

1,00

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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

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

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Schwarzheit n^* $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$

0,25

0,50

0,75

1,00

relative Buntheit c^* $n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System MRS18

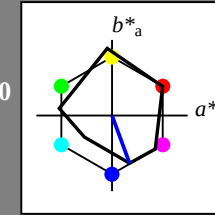
für Buntton $h^* = lab^*h = 290/360 = 0.806$ lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

1,00

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%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

1,00

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%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

1,00

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Schwarzheit n^* $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$

0,25

0,50

0,75

1,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (rechts)

Eingabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

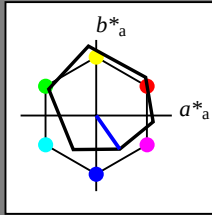
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

Ausgabe: Farbmimetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

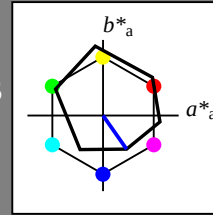
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

TRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

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

Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

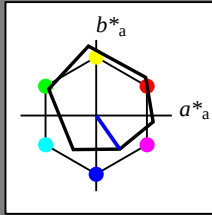
lab^*tch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

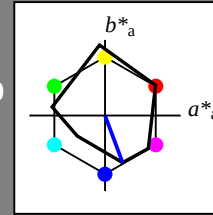
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



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

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

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

$n^* = 0,00$

$n^* = 0,25$

Schwarzheit n^*

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (rechts)

Eingabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

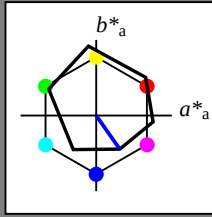
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

Ausgabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 273/360 = 0.758$

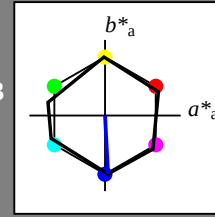
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

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

Eingabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

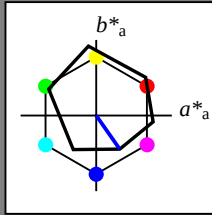
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

Ausgabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 273/360 = 0.757$

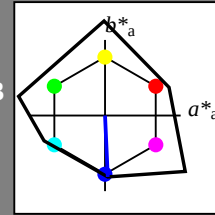
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

1,00

0,75

%Regularität

$g^*_{H,rel} = 46$

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

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

$n^* = 0,00$

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (rechts)

Eingabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

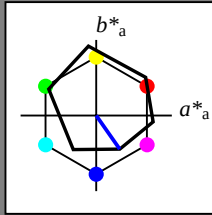
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 273/360 = 0.758$

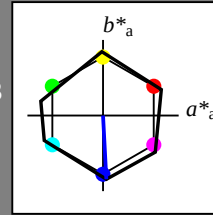
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,50$

$n^* = 1,0$

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

Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

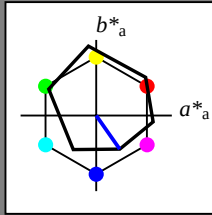
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 273/360 = 0.757$

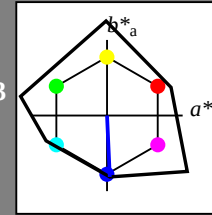
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$

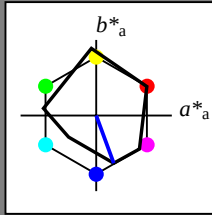
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

1,00

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0,75

0,50

0,25

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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

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Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

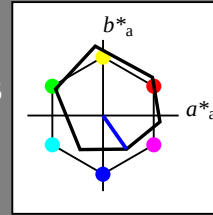
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

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0,75

0,50

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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
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

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0,25

0,50

0,75

1,00

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (links)

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

Eingabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$

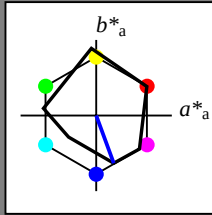
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$

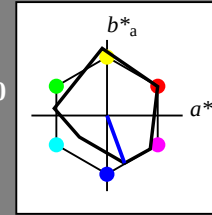
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$

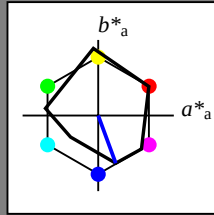
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

1,00

↑

0,75

0,50

0,25

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0,25

0,50

0,75

1,00

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

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Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

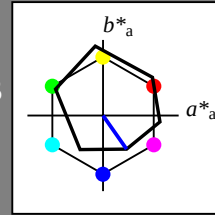
lab^*tch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

0,75

0,50

0,25

0,00

0,25

0,50

0,75

1,00

↑

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1,00

↑

0,25

0,50

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$

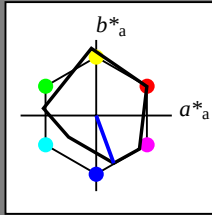
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

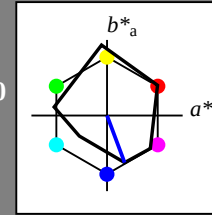
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0	1.0	0.0
lab*nce	0.0	0.0	0.0	0.0	1.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	76.06	0.0	0.0	0.0	0.0
lab*tch	76.06	0.0	0.0	0.0	0.0
lab*nch	76.06	0.0	0.0	0.0	0.0
lab*tce	76.06	0.0	0.0	0.0	0.0
lab*nce	76.06	0.0	0.0	0.0	0.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
lab*lab	0.81	0.087	-0.233	0.0	0.0
lab*tch	0.81	0.087	-0.233	0.0	0.0
lab*nch	0.81	0.087	-0.233	0.0	0.0
lab*tce	0.81	0.087	-0.233	0.0	0.0
lab*nce	0.81	0.087	-0.233	0.0	0.0

relative Natural Colour (NC)					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
lab*lab	0.81	0.087	-0.233	0.0	0.0
lab*tch	0.81	0.087	-0.233	0.0	0.0
lab*nch	0.81	0.087	-0.233	0.0	0.0
lab*tce	0.81	0.087	-0.233	0.0	0.0
lab*nce	0.81	0.087	-0.233	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.5	0.5	0.5	0.5	0.5
lab*tch	0.5	0.5	0.5	0.5	0.5
lab*nch	0.5	0.5	0.5	0.5	0.5
lab*tce	0.5	0.5	0.5	0.5	0.5
lab*nce	0.5	0.5	0.5	0.5	0.5

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	56.71	0.0	0.0	0.0	0.0
lab*tch	56.71	0.0	0.0	0.0	0.0
lab*nch	56.71	0.0	0.0	0.0	0.0
lab*tce	56.71	0.0	0.0	0.0	0.0
lab*nce	56.71	0.0	0.0	0.0	0.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
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
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 Natural Colour (NC)					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
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
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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
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	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	18.02	0.0	0.0	0.0	0.0
lab*tch	18.02	0.0	0.0	0.0	0.0
lab*nch	18.02	0.0	0.0	0.0	0.0
lab*tce	18.02	0.0	0.0	0.0	0.0
lab*nce	18.02	0.0	0.0	0.0	0.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
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	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Natural Colour (NC)					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
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	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

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
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

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

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

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.5	0.5	0.5	0.5	0.5
lab*tch	0.5	0.5	0.5	0.5	0.5
lab*nch	0.5	0.5	0.5	0.5	0.5
lab*tce	0.5	0.5	0.5	0.5	0.5
lab*nce	0.5	0.5	0.5	0.5	0.5

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	66.03	0.0	0.0	0.0	0.0
lab*tch	66.03	0.0	0.0	0.0	0.0
lab*nch	66.03	0.0	0.0	0.0	0.0
lab*tce	66.03	0.0	0.0	0.0	0.0
lab*nce	66.03	0.0	0.0	0.0	0.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
lab*lab	0.62	0.175	-0.467	0.0	0.0
lab*tch	0.62	0.175	-0.467	0.0	0.0
lab*nch	0.62	0.175	-0.467	0.0	0.0
lab*tce	0.62	0.175	-0.467	0.0	0.0
lab*nce	0.62	0.175	-0.467	0.0	0.0

relative Natural Colour (NC)					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
lab*lab	0.62	0.175	-0.467	0.0	0.0
lab*tch	0.62	0.175	-0.467	0.0	0.0
lab*nch	0.62	0.175	-0.467	0.0	0.0
lab*tce	0.62	0.175	-0.467	0.0	0.0
lab*nce	0.62	0.175	-0.467	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*tch	0.25	0.25	0.25	0.25	0.25
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*tce	0.25	0.25	0.25	0.25	0.25
lab*nce	0.25	0.25	0.25	0.25	0.25

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	37.36	0.0	0.0	0.0	0.0
lab*tch	37.36	0.0	0.0	0.0	0.0
lab*nch	37.36	0.0	0.0	0.0	0.0
lab*tce	37.36	0.0	0.0	0.0	0.0
lab*nce	37.36	0.0	0.0	0.0	0.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
lab*lab	0.37	0.175	-0.467	0.0	0.0
lab*tch	0.37	0.175	-0.467	0.0	0.0
lab*nch	0.37	0.175	-0.467	0.0	0.0
lab*tce	0.37	0.175	-0.467	0.0	0.0

Eingabe: Farbmetrisches Reflexions-System MRS18

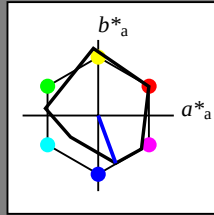
für Buntton $h^* = lab^*h = 290/360 = 0.806$ lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS18

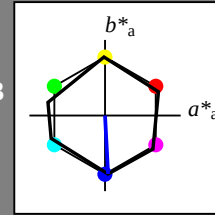
für Buntton $h^* = lab^*h = 273/360 = 0.758$ lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

Schwarzheit n^* relative Buntheit c^* $n^* = 0,50$ $n^* = 1,0$

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

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$

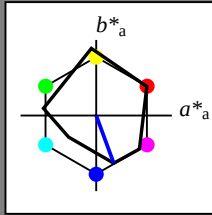
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%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
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

%Regelartit

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 273/360 = 0.757$

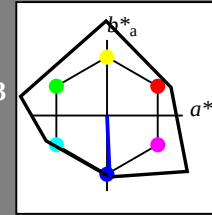
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

%Regelartit

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (links)

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$

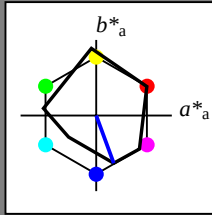
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%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

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

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

$n^* = 0,00$

0,75

Schwarzheit n^*

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 273/360 = 0.758$

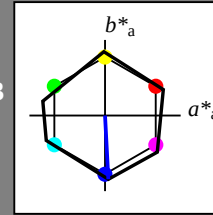
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	1.0	1.0	1.0	1.0	1.0
lab*ch	0.0	0.0	0.0	0.0	0.0
lab*nch	1.0	1.0	1.0	1.0	1.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
lab*lab	74.31	0.0	0.0	75.01	-
lab*ch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*ch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.75	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
lab*lab	53.21	0.0	0.0	50.0	0.0
lab*ch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*ch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.25	0.25	0.25	0.25	0.25
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

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

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

Schwarzheit n^*

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

Eingabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$

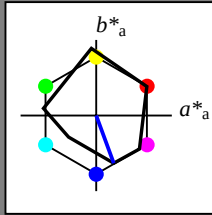
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

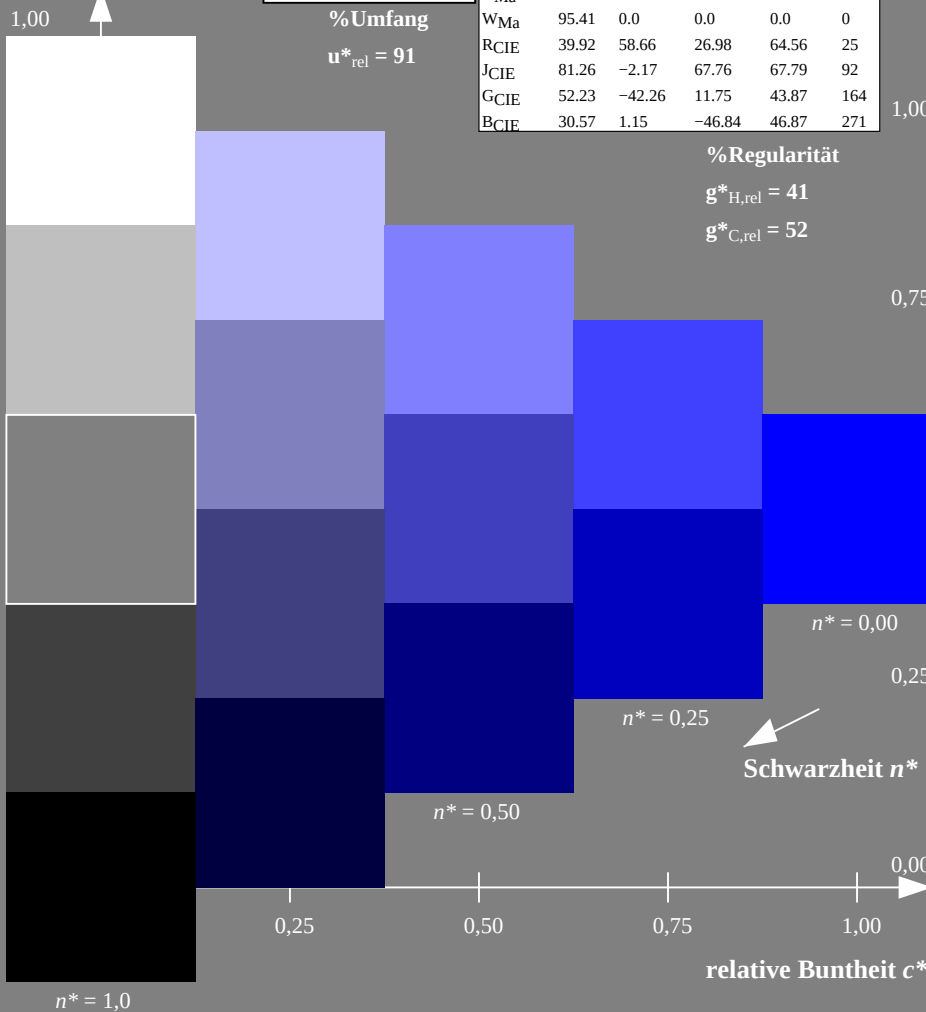
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$



TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $290/360 = 0.806$ (links)

Ausgabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 273/360 = 0.757$

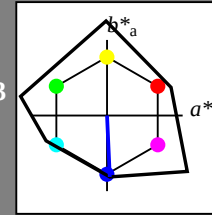
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

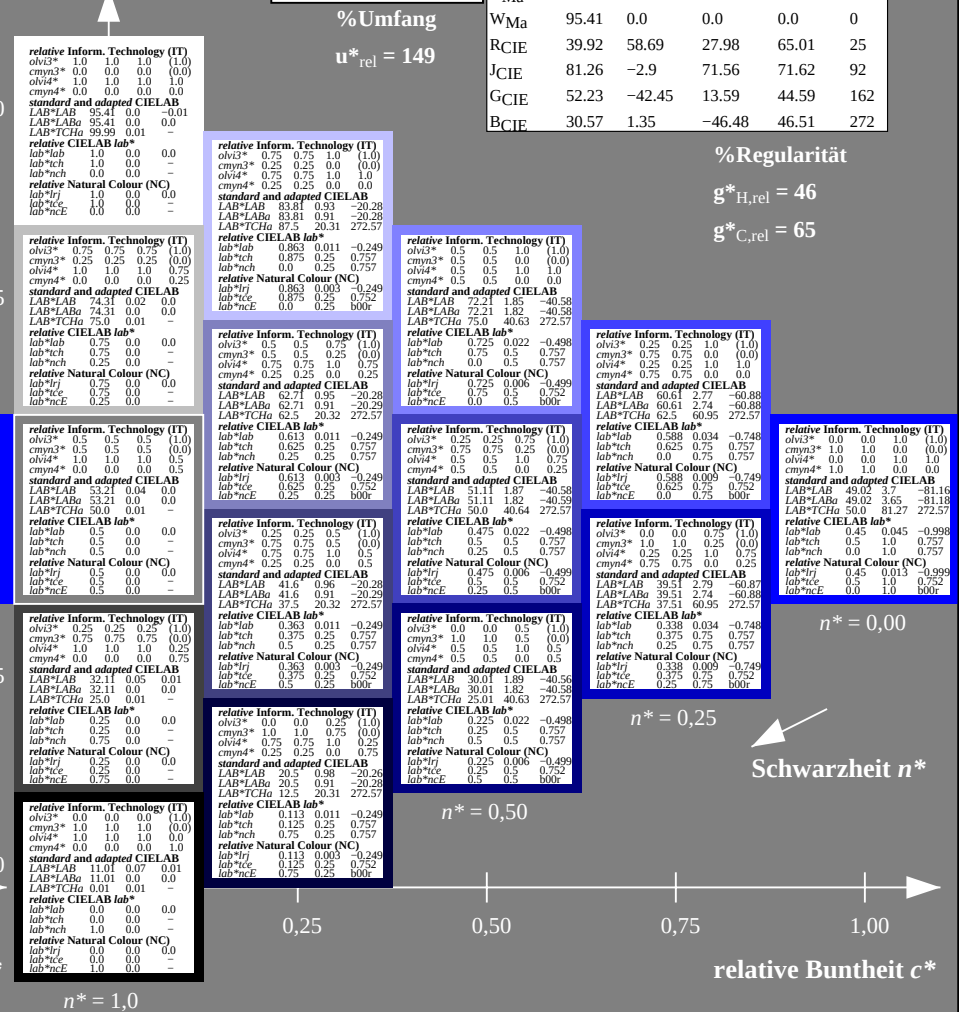
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$



5 stufige Reihen für konstanten CIELAB Buntton $273/360 = 0.757$ (rechts)

Eingabe: Farbmetrisches Reflexions-System TRS18

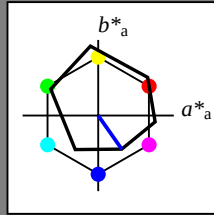
für Buntton $h^* = lab^*h = 305/360 = 0.847$ lab^*tch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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TRS18; 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

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

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Ausgabe: Farbmetrisches Reflexions-System ORS18

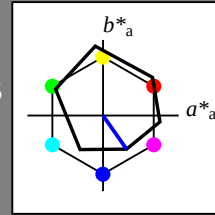
für Buntton $h^* = lab^*h = 305/360 = 0.847$ lab^*tch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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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

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

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 $n^* = 1,0$

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relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

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

Eingabe: Farbmetrisches Reflexions-System TRS18

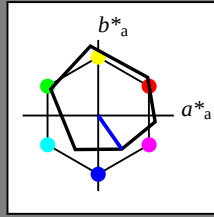
für Buntton $h^* = lab^*h = 305/360 = 0.847$ lab^*tch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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TRS18; 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

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

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Ausgabe: Farbmetrisches Reflexions-System MRS18

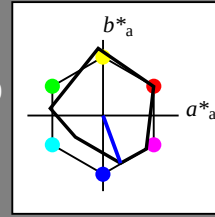
für Buntton $h^* = lab^*h = 290/360 = 0.806$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

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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
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
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

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

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 $n^* = 1,0$

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relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

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%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

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%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

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Eingabe: Farbmimetrisches Reflexions-System TRS18

für Buntton $h^* = lab \cdot h = 305/360 = 0.847$

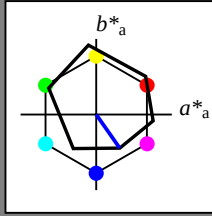
$lab \cdot tch$ und $lab \cdot nch$

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

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0,75

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TRS18; adaptierte CIELAB-Daten

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

%Regularität

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

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

1,00

0,75

0,50

0,25

0,00

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1,00

Schwarzheit n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,75

1,00

relative Buntheit c^*

Ausgabe: Farbmimetrisches Reflexions-System TRS18

für Buntton $h^* = lab \cdot h = 305/360 = 0.847$

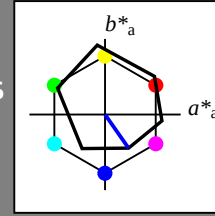
$lab \cdot tch$ und $lab \cdot nch$

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

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0,75

0,50

0,25

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1,00

$n^* = 1,0$

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

TRS18; adaptierte CIELAB-Daten

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

%Regularität

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

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

1,00

0,75

0,50

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

↓

0,25

0,50

0,75

1,00

↓

0,25

0,50

0,75

1,00

↓

0,25

0,50

0,75

1,00

↓

0,25

0,50

0,75

1,00

Schwarzheit n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,75

1,00

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

Eingabe: Farbmimetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

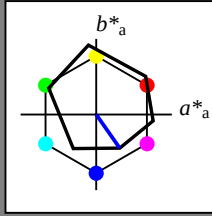
lab^*tch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

TRS18; 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

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

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

$n^* = 0,00$

0,75

0,25

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmimetrisches Reflexions-System MRS18a

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

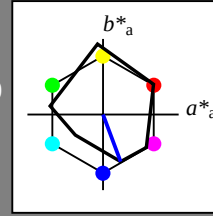
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%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

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

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

$n^* = 0,00$

0,75

$n^* = 0,25$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,50$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (rechts)

Eingabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

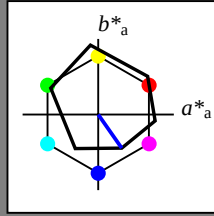
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

TRS18; 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

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 273/360 = 0.758$

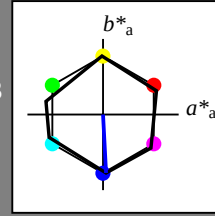
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,50$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

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

Eingabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

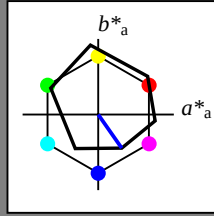
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

TRS18; 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

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

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

$n^* = 0,00$

0,75

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 273/360 = 0.757$

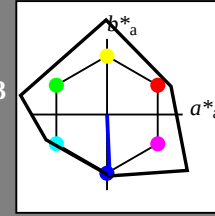
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

$n^* = 0,00$

0,75

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (rechts)

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $305/360 = 0.847$ (links)

Eingabe: Farbmimetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

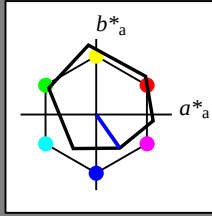
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

TRS18; 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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

Ausgabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 273/360 = 0.757$

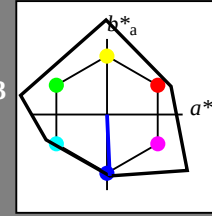
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (rechts)

NCS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,50$

$n^* = 1,0$

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

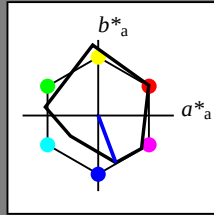
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (links)

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

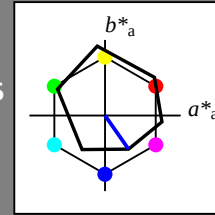
lab^*tch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



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

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

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

Eingabe: Farbmimetrisches Reflexions-System MRS18a

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

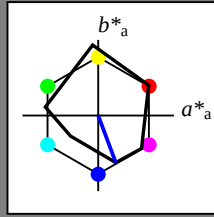
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

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
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^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$

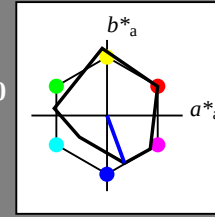
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

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

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

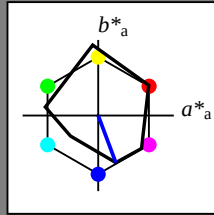
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



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

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

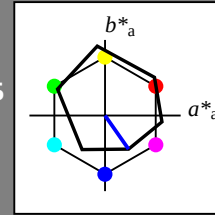
lab^*tch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



TRS18; 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

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

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

Eingabe: Farbmimetrisches Reflexions-System MRS18a

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

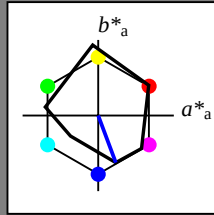
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

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
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

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmimetrisches Reflexions-System MRS18a

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

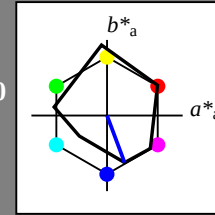
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

relative Inform. Technology (IT)
 $olvi3^* = 1.0$
 $cmyn3^* = 0.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41$
 $LAB^*TCh = 99.99$
 relative CIELAB lab*
 $lab^*lab = 1.0$
 $lab^*ch = 1.0$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 1.0$
 $lab^*tce = 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 76.06$
 $LAB^*TCh = 75.0$
 relative CIELAB lab*
 $lab^*lab = 0.75$
 $lab^*ch = 0.75$
 $lab^*nch = 0.25$
 relative Natural Colour (NC)
 $lab^*trj = 0.75$
 $lab^*tce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 56.71$
 $LAB^*TCh = 50.0$
 relative CIELAB lab*
 $lab^*lab = 0.5$
 $lab^*ch = 0.5$
 $lab^*nch = 0.5$
 relative Natural Colour (NC)
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 37.36$
 $LAB^*TCh = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02$
 $LAB^*TCh = 0.0$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 37.36$
 $LAB^*TCh = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02$
 $LAB^*TCh = 0.0$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02$
 $LAB^*TCh = 0.0$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02$
 $LAB^*TCh = 0.0$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$

$n^* = 1,0$

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
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

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

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

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 0.5$
 $cmyn4^* = 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 66.03$
 $LAB^*TCh = 33.24$
 relative CIELAB lab*
 $lab^*lab = 0.5$
 $lab^*ch = 0.5$
 $lab^*nch = 0.5$
 relative Natural Colour (NC)
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 0.5$
 $cmyn4^* = 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 51.34$
 $LAB^*TCh = 33.24$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 0.5$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 36.65$
 $LAB^*TCh = 33.24$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 0.5$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 36.65$
 $LAB^*TCh = 33.24$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 0.5$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 36.65$
 $LAB^*TCh = 33.24$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 0.5$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 36.65$
 $LAB^*TCh = 33.24$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 0.5$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 36.65$
 $LAB^*TCh = 33.24$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (links)

5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

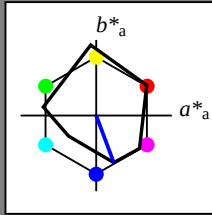
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%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

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

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

$n^* = 0,00$

0,75

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 273/360 = 0.758$

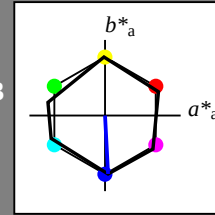
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,75

$n^* = 0,25$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,50$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (links)

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

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

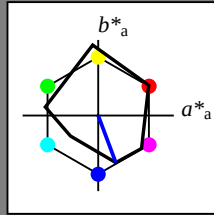
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%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
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

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 273/360 = 0.757$

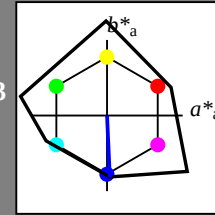
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0
lab*ttr	0.0	0.0	0.0	1.0	0.0
lab*tce	0.0	0.0	0.0	0.0	1.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	95.41	0.0	0.0	0.0	0.0
lab*tch	0.0	99.99	0.01	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0
lab*ttr	0.0	0.0	0.0	1.0	0.0
lab*tce	0.0	0.0	0.0	0.0	1.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*ttr	lab^*tce
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0
lab*ttr	0.0	0.0	0.0	1.0	0.0
lab*tce	0.0	0.0	0.0	0.0	1.0

relative Natural Colour (NC)					
	lab^*lab	lab^*tch	lab^*nch	lab^*ttr	lab^*tce
lab*lab	0.85	0.011	-0.249	0.0	0.0
lab*tch	0.011	0.85	0.0	0.0	0.0
lab*nch	-0.249	0.0	0.85	0.0	0.0
lab*ttr	0.0	0.0	0.0	0.85	0.0
lab*tce	0.0	0.0	0.0	0.0	0.85

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*tch	0.25	0.25	0.25	0.25	0.25
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*ttr	0.25	0.25	0.25	0.25	0.25
lab*tce	0.25	0.25	0.25	0.25	0.25

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	76.07	0.0	0.0	0.0	0.0
lab*tch	0.0	76.07	0.0	0.0	0.0
lab*nch	0.0	0.0	76.07	0.0	0.0
lab*ttr	0.0	0.0	0.0	76.07	0.0
lab*tce	0.0	0.0	0.0	0.0	76.07

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*ttr	lab^*tce
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.0	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.75	0.0	0.0
lab*ttr	0.0	0.0	0.0	0.75	0.0
lab*tce	0.0	0.0	0.0	0.0	0.75

relative Natural Colour (NC)					
	lab^*lab	lab^*tch	lab^*nch	lab^*ttr	lab^*tce
lab*lab	0.6	0.011	-0.249	0.0	0.0
lab*tch	0.011	0.6	0.0	0.0	0.0
lab*nch	-0.249	0.0	0.6	0.0	0.0
lab*ttr	0.0	0.0	0.0	0.6	0.0
lab*tce	0.0	0.0	0.0	0.0	0.6

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*tch	0.75	0.75	0.75	0.75	0.75
lab*nch	0.75	0.75	0.75	0.75	0.75
lab*ttr	0.75	0.75	0.75	0.75	0.75
lab*tce	0.75	0.75	0.75	0.75	0.75

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	56.72	0.0	0.0	0.0	0.0
lab*tch	0.0	56.72	0.0	0.0	0.0
lab*nch	0.0	0.0	56.72	0.0	0.0
lab*ttr	0.0	0.0	0.0	56.72	0.0
lab*tce	0.0	0.0	0.0	0.0	56.72

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*ttr	lab^*tce
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*tch	0.0	0.5	0.0	0.0	0.0
lab*nch	0.0	0.0	0.5	0.0	0.0
lab*ttr	0.0	0.0	0.0	0.5	0.0
lab*tce	0.0	0.0	0.0	0.0	0.5

relative Natural Colour (NC)					
	lab^*lab	lab^*tch	lab^*nch	lab^*ttr	lab^*tce
lab*lab	0.35	0.011	-0.249	0.0	0.0
lab*tch	0.011	0.35	0.0	0.0	0.0
lab*nch	-0.249	0.0	0.35	0.0	0.0
lab*ttr	0.0	0.0	0.0	0.35	0.0
lab*tce	0.0	0.0	0.0	0.0	0.35

$n^* = 1,0$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.5	0.5	0.5	0.5	0.5
lab*tch	0.5	0.5	0.5	0.5	0.5
lab*nch	0.5	0.5	0.5	0.5	0.5
lab*ttr	0.5	0.5	0.5	0.5	0.5
lab*tce	0.5	0.5	0.5	0.5	0.5

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	72.21	1.85	-40.58	0.0	0.0
lab*tch	1.85	72.21	1.82	-40.59	0.0
lab*nch	0.0	1.82	72.21	1.82	-40.59
lab*ttr	0.0	0.0	1.82	72.21	1.82
lab*tce	0.0	0.0	0.0	1.82	72.21

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*ttr	lab^*tce
lab*lab	0.7	0.022	-0.498	0.0	0.0
lab*tch	0.022	0.7	0.0	0.0	0.0
lab*nch	-0.498	0.0	0.7	0.0	0.0
lab*ttr	0.0	0.0	0.0	0.7	0.0
lab*tce	0.0	0.0	0.0	0.0	0.7

relative Natural Colour (NC)					
	lab^*lab	lab^*tch	lab^*nch	lab^*ttr	lab^*tce
lab*lab	0.625	0.025	-0.757	0.0	0.0
lab*tch	0.025	0.625	0.0	0.0	0.0
lab*nch	-0.757	0.0	0.625	0.0	0.0
lab*ttr	0.0	0.0	0.0	0.625	0.0
lab*tce	0.0	0.0	0.0	0.0	0.625

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*tch	0.75	0.75	0.75	0.75	0.75
lab*nch	0.75	0.75	0.75	0.75	0.75
lab*ttr	0.75	0.75	0.75	0.75	0.75
lab*tce	0.75	0.75	0.75	0.75	0.75

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	60.61	2.77	-68.88	0.0	0.0
lab*tch	2.77	60.61	2.73	-68.89	0.0
lab*nch	0.0	2.73	60.61	2.73	-68.89
lab*ttr	0.0	0.0	2.73	60.61	2.73
lab*tce	0.0	0.0	0.0	2.73	60.61

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*ttr	lab^*tce
lab*lab	0.55	0.034	-0.748	0.0	0.0
lab*tch	0.034	0.55	0.0	0.0	0.0
lab*nch	-0.748	0.0	0.55	0.0	0

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

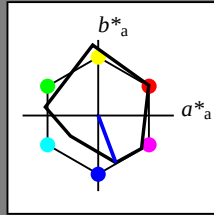
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



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^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 273/360 = 0.758$

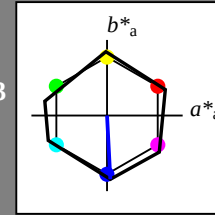
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



NRS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

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

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

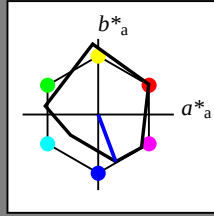
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

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
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

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 273/360 = 0.757$

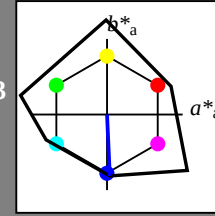
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	99.99	0.01	-		

relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*LABb	75.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*LABb	50.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.11	0.0	0.0		
LAB*LABa	32.11	0.0	0.0		
LAB*LABb	25.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	0.0	-		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.0	0.0		
LAB*LABa	11.01	0.0	0.0		
LAB*LABb	0.01	0.0	-		

relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (rechts)

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 273/360 = 0.758$

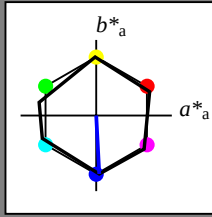
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 77 273

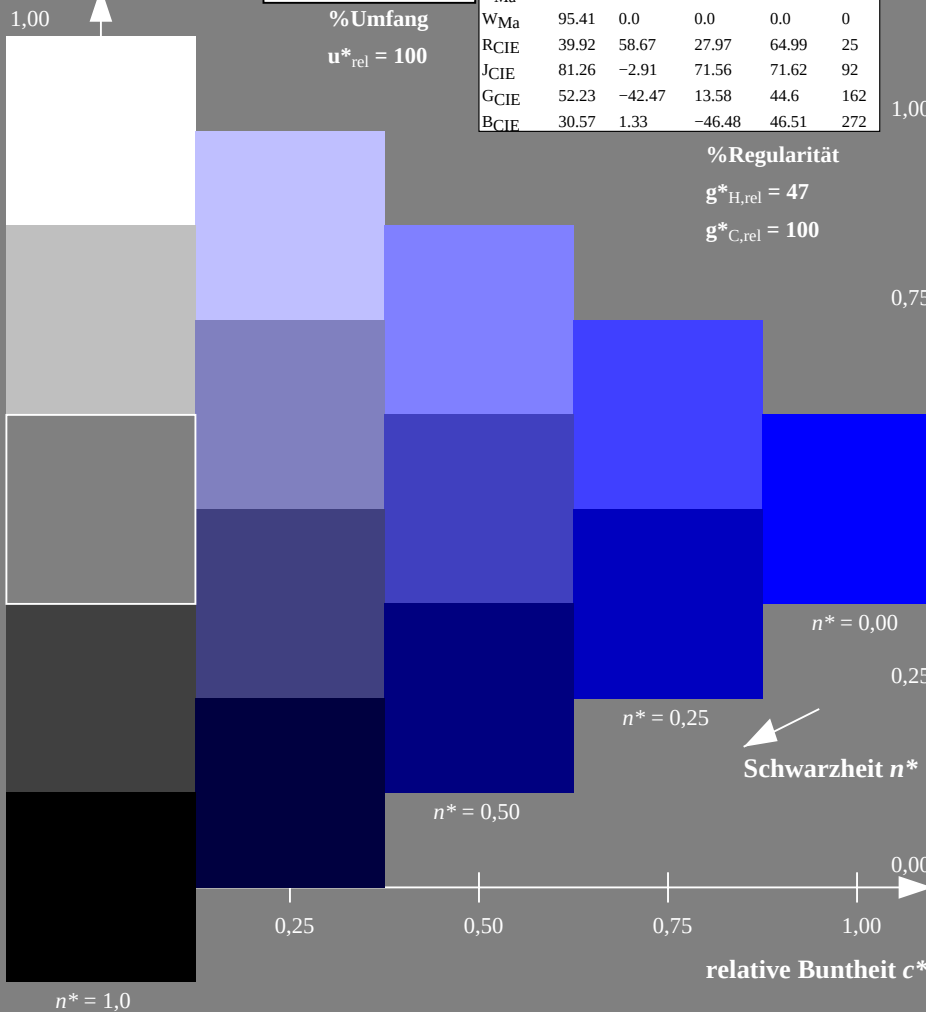
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$



TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $273/360 = 0.758$ (links)

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

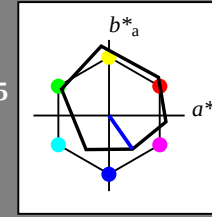
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

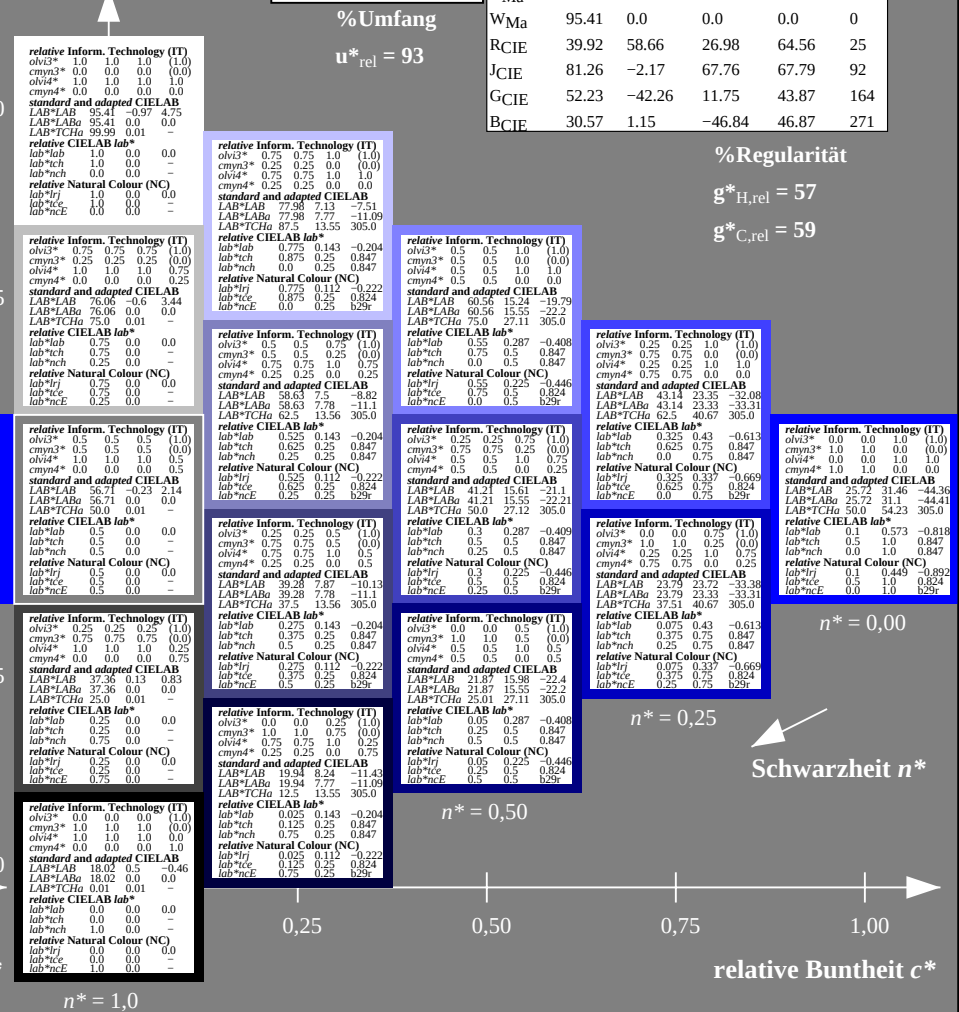
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$



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

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 273/360 = 0.758$

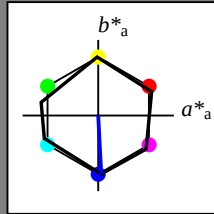
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

0,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

$n^* = 0,50$

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,00$

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$

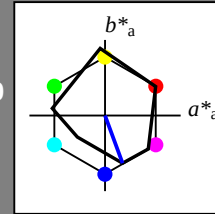
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	1.0	1.0	1.0	1.0	1.0
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	80.72	5.1	-11.98	16.79	290.19
LAB*LABa	80.72	5.1	-11.98	16.79	290.19
LAB*LABb	80.72	5.1	-11.98	16.79	290.19
LAB*LABc	80.72	5.1	-11.98	16.79	290.19
LAB*LABd	80.72	5.1	-11.98	16.79	290.19
LAB*LABe	80.72	5.1	-11.98	16.79	290.19
LAB*LABf	80.72	5.1	-11.98	16.79	290.19
LAB*LABg	80.72	5.1	-11.98	16.79	290.19
LAB*LABh	80.72	5.1	-11.98	16.79	290.19
LAB*LABi	80.72	5.1	-11.98	16.79	290.19
LAB*LABj	80.72	5.1	-11.98	16.79	290.19
LAB*LABk	80.72	5.1	-11.98	16.79	290.19
LAB*LABl	80.72	5.1	-11.98	16.79	290.19
LAB*LABm	80.72	5.1	-11.98	16.79	290.19
LAB*LABn	80.72	5.1	-11.98	16.79	290.19
LAB*LABo	80.72	5.1	-11.98	16.79	290.19
LAB*LABp	80.72	5.1	-11.98	16.79	290.19
LAB*LABq	80.72	5.1	-11.98	16.79	290.19
LAB*LABr	80.72	5.1	-11.98	16.79	290.19
LAB*LABs	80.72	5.1	-11.98	16.79	290.19
LAB*LABt	80.72	5.1	-11.98	16.79	290.19
LAB*LABu	80.72	5.1	-11.98	16.79	290.19
LAB*LABv	80.72	5.1	-11.98	16.79	290.19
LAB*LABw	80.72	5.1	-11.98	16.79	290.19
LAB*LABx	80.72	5.1	-11.98	16.79	290.19
LAB*LABy	80.72	5.1	-11.98	16.79	290.19
LAB*LABz	80.72	5.1	-11.98	16.79	290.19

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.5	0.5	0.5	0.5	0.5
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	61.37	5.47	-13.29	16.79	290.19
LAB*LABa	61.37	5.47	-13.29	16.79	290.19
LAB*LABb	61.37	5.47	-13.29	16.79	290.19
LAB*LABc	61.37	5.47	-13.29	16.79	290.19
LAB*LABd	61.37	5.47	-13.29	16.79	290.19
LAB*LABe	61.37	5.47	-13.29	16.79	290.19
LAB*LABf	61.37	5.47	-13.29	16.79	290.19
LAB*LABg	61.37	5.47	-13.29	16.79	290.19
LAB*LABh	61.37	5.47	-13.29	16.79	290.19
LAB*LABi	61.37	5.47	-13.29	16.79	290.19
LAB*LABj	61.37	5.47	-13.29	16.79	290.19
LAB*LABk	61.37	5.47	-13.29	16.79	290.19
LAB*LABl	61.37	5.47	-13.29	16.79	290.19
LAB*LABm	61.37	5.47	-13.29	16.79	290.19
LAB*LABn	61.37	5.47	-13.29	16.79	290.19
LAB*LABo	61.37	5.47	-13.29	16.79	290.19
LAB*LABp	61.37	5.47	-13.29	16.79	290.19
LAB*LABq	61.37	5.47	-13.29	16.79	290.19
LAB*LABr	61.37	5.47	-13.29	16.79	290.19
LAB*LABs	61.37	5.47	-13.29	16.79	290.19
LAB*LABt	61.37	5.47	-13.29	16.79	290.19
LAB*LABu	61.37	5.47	-13.29	16.79	290.19
LAB*LABv	61.37	5.47	-13.29	16.79	290.19
LAB*LABw	61.37	5.47	-13.29	16.79	290.19
LAB*LABx	61.37	5.47	-13.29	16.79	290.19
LAB*LABy	61.37	5.47	-13.29	16.79	290.19
LAB*LABz	61.37	5.47	-13.29	16.79	290.19

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*tch	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	42.02	5.84	-14.6	16.79	290.19
LAB*LABa	42.02	5.84	-14.6	16.79	290.19
LAB*LABb	42.02	5.84	-14.6	16.79	290.19
LAB*LABc	42.02	5.84	-14.6	16.79	290.19
LAB*LABd	42.02	5.84	-14.6	16.79	290.19
LAB*LABe	42.02	5.84	-14.6	16.79	290.19
LAB*LABf	42.02	5.84	-14.6	16.79	290.19
LAB*LABg	42.02	5.84	-14.6	16.79	290.19
LAB*LABh	42.02	5.84	-14.6	16.79	290.19
LAB*LABi	42.02	5.84	-14.6	16.79	290.19
LAB*LABj	42.02	5.84	-14.6	16.79	290.19
LAB*LABk	42.02	5.84	-14.6	16.79	290.19
LAB*LABl	42.02	5.84	-14.6	16.79	290.19
LAB*LABm	42.02	5.84	-14.6	16.79	290.19
LAB*LABn	42.02	5.84	-14.6	16.79	290.19
LAB*LABo	42.02	5.84	-14.6	16.79	290.19
LAB*LABp	42.02	5.84	-14.6	16.79	290.19
LAB*LABq	42.02	5.84	-14.6	16.79	290.19
LAB*LABr	42.02	5.84	-14.6	16.79	290.19
LAB*LABs	42.02	5.84	-14.6	16.79	290.19
LAB*LABt	42.02	5.84	-14.6	16.79	290.19
LAB*LABu	42.02	5.84	-14.6	16.79	290.19
LAB*LABv	42.02	5.84	-14.6	16.79	290.19
LAB*LABw	42.02	5.84	-14.6	16.79	290.19
LAB*LABx	42.02	5.84	-14.6	16.79	290.19
LAB*LABy	42.02	5.84	-14.6	16.79	290.19
LAB*LABz	42.02	5.84	-14.6	16.79	290.19

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	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.71	-0.23	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*TCHa	50.0	0.01	-	

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 273/360 = 0.758$

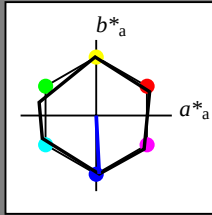
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

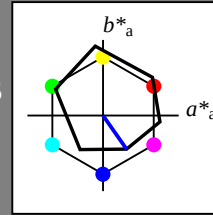
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

TRS18; 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	
NMa	18.01	0.0	0.0	0.0	0	
WMa	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.66	26.98	64.56	25	
JCIE	81.26	-2.17	67.76	67.79	92	
GCIE	52.23	-42.26	11.75	43.87	164	
BCIE	30.57	1.15	-46.84	46.87	271	

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.758 (links)

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

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 273/360 = 0.758$

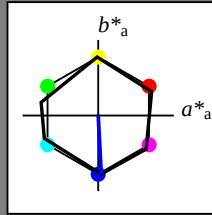
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.758 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

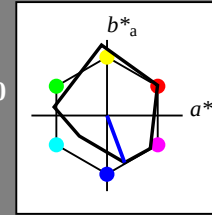
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%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	
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

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = \text{lab}^*h = 273/360 = 0.758$

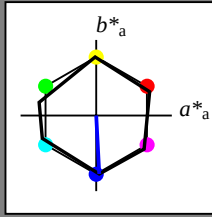
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 100$

NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,\text{rel}} = 47$

$g^*_{C,\text{rel}} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.758 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = \text{lab}^*h = 273/360 = 0.757$

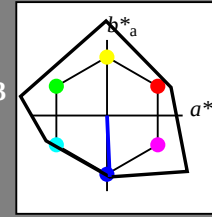
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 136$

1,00

0,75

%Regularität

$g^*_{H,\text{rel}} = 46$

$g^*_{C,\text{rel}} = 65$

NCS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	47.15	84.63	37.24	92.46	24	
JMa	91.37	-1.27	125.03	125.03	91	
GMa	63.07	-114.29	25.34	117.07	167	
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203	
B _{Ma}	49.01	3.63	-81.2	81.29	273	
B50R _{Ma}	44.06	106.07	-73.94	129.31	325	
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

$g^*_{H,\text{rel}} = 46$

$g^*_{C,\text{rel}} = 65$

relative Inform. Technology (IT)
 $\text{olvi}^* = 1.0$ 1.0 1.0 (1.0)
 $\text{cmyn}^* = 0.0$ 0.0 0.0 (0.0)
 $\text{olvi}^* = 1.0$ 1.0 1.0 (1.0)
 $\text{cmyn}^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $\text{LAB}^* \text{LAB}^* = 95.41$ 0.0 0.0
 $\text{LAB}^* \text{LAB}^* = 95.41$ 0.0 0.0
 relative CIELAB lab*
 $\text{lab}^* \text{lab}^* = 1.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 1.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 1.0$ 0.0 0.0
 relative Natural Colour (NC)
 $\text{lab}^* \text{lab}^* = 1.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 1.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 1.0$ 0.0 0.0

relative Inform. Technology (IT)
 $\text{olvi}^* = 0.75$ 0.75 0.75 (1.0)
 $\text{cmyn}^* = 0.25$ 0.25 0.25 (0.0)
 $\text{olvi}^* = 0.75$ 0.75 0.75 (1.0)
 $\text{cmyn}^* = 0.25$ 0.25 0.25 (0.0)
 standard and adapted CIELAB
 $\text{LAB}^* \text{LAB}^* = 76.07$ 0.0 0.0
 $\text{LAB}^* \text{LAB}^* = 76.07$ 0.0 0.0
 relative CIELAB lab*
 $\text{lab}^* \text{lab}^* = 0.75$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.75$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.75$ 0.0 0.0
 relative Natural Colour (NC)
 $\text{lab}^* \text{lab}^* = 0.75$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.75$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.75$ 0.0 0.0

relative Inform. Technology (IT)
 $\text{olvi}^* = 0.5$ 0.5 0.5 (1.0)
 $\text{cmyn}^* = 0.5$ 0.5 0.5 (0.0)
 $\text{olvi}^* = 0.5$ 0.5 0.5 (1.0)
 $\text{cmyn}^* = 0.5$ 0.5 0.5 (0.0)
 standard and adapted CIELAB
 $\text{LAB}^* \text{LAB}^* = 64.46$ 0.0 0.0
 $\text{LAB}^* \text{LAB}^* = 64.46$ 0.0 0.0
 relative CIELAB lab*
 $\text{lab}^* \text{lab}^* = 0.5$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.5$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.5$ 0.0 0.0
 relative Natural Colour (NC)
 $\text{lab}^* \text{lab}^* = 0.5$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.5$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.5$ 0.0 0.0

relative Inform. Technology (IT)
 $\text{olvi}^* = 0.25$ 0.25 0.25 (1.0)
 $\text{cmyn}^* = 0.25$ 0.25 0.25 (0.0)
 $\text{olvi}^* = 0.25$ 0.25 0.25 (1.0)
 $\text{cmyn}^* = 0.25$ 0.25 0.25 (0.0)
 standard and adapted CIELAB
 $\text{LAB}^* \text{LAB}^* = 56.72$ 0.0 0.0
 $\text{LAB}^* \text{LAB}^* = 56.72$ 0.0 0.0
 relative CIELAB lab*
 $\text{lab}^* \text{lab}^* = 0.25$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.25$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.25$ 0.0 0.0
 relative Natural Colour (NC)
 $\text{lab}^* \text{lab}^* = 0.25$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.25$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.25$ 0.0 0.0

relative Inform. Technology (IT)
 $\text{olvi}^* = 0.0$ 0.0 0.0 (1.0)
 $\text{cmyn}^* = 0.0$ 0.0 0.0 (0.0)
 $\text{olvi}^* = 0.0$ 0.0 0.0 (1.0)
 $\text{cmyn}^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $\text{LAB}^* \text{LAB}^* = 45.11$ 0.0 0.0
 $\text{LAB}^* \text{LAB}^* = 45.11$ 0.0 0.0
 relative CIELAB lab*
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 relative Natural Colour (NC)
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0

relative Inform. Technology (IT)
 $\text{olvi}^* = 0.25$ 0.25 0.25 (1.0)
 $\text{cmyn}^* = 0.75$ 0.75 0.75 (0.0)
 $\text{olvi}^* = 0.25$ 0.25 0.25 (1.0)
 $\text{cmyn}^* = 0.75$ 0.75 0.75 (0.0)
 standard and adapted CIELAB
 $\text{LAB}^* \text{LAB}^* = 37.37$ 0.0 0.0
 $\text{LAB}^* \text{LAB}^* = 37.37$ 0.0 0.0
 relative CIELAB lab*
 $\text{lab}^* \text{lab}^* = 0.25$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.25$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.25$ 0.0 0.0
 relative Natural Colour (NC)
 $\text{lab}^* \text{lab}^* = 0.25$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.25$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.25$ 0.0 0.0

relative Inform. Technology (IT)
 $\text{olvi}^* = 0.0$ 0.0 0.0 (1.0)
 $\text{cmyn}^* = 0.0$ 0.0 0.0 (0.0)
 $\text{olvi}^* = 0.0$ 0.0 0.0 (1.0)
 $\text{cmyn}^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $\text{LAB}^* \text{LAB}^* = 18.02$ 0.0 0.0
 $\text{LAB}^* \text{LAB}^* = 18.02$ 0.0 0.0
 relative CIELAB lab*
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 relative Natural Colour (NC)
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0

relative Inform. Technology (IT)
 $\text{olvi}^* = 0.0$ 0.0 0.0 (1.0)
 $\text{cmyn}^* = 0.0$ 0.0 0.0 (0.0)
 $\text{olvi}^* = 0.0$ 0.0 0.0 (1.0)
 $\text{cmyn}^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $\text{LAB}^* \text{LAB}^* = 18.02$ 0.0 0.0
 $\text{LAB}^* \text{LAB}^* = 18.02$ 0.0 0.0
 relative CIELAB lab*
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 relative Natural Colour (NC)
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0

relative Inform. Technology (IT)
 $\text{olvi}^* = 0.0$ 0.0 0.0 (1.0)
 $\text{cmyn}^* = 0.0$ 0.0 0.0 (0.0)
 $\text{olvi}^* = 0.0$ 0.0 0.0 (1.0)
 $\text{cmyn}^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $\text{LAB}^* \text{LAB}^* = 18.02$ 0.0 0.0
 $\text{LAB}^* \text{LAB}^* = 18.02$ 0.0 0.0
 relative CIELAB lab*
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 relative Natural Colour (NC)
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0

relative Inform. Technology (IT)
 $\text{olvi}^* = 0.0$ 0.0 0.0 (1.0)
 $\text{cmyn}^* = 0.0$ 0.0 0.0 (0.0)
 $\text{olvi}^* = 0.0$ 0.0 0.0 (1.0)
 $\text{cmyn}^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $\text{LAB}^* \text{LAB}^* = 18.02$ 0.0 0.0
 $\text{LAB}^* \text{LAB}^* = 18.02$ 0.0 0.0
 relative CIELAB lab*
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 relative Natural Colour (NC)
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0
 $\text{lab}^* \text{lab}^* = 0.0$ 0.0 0.0

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (rechts)

relative Inform. Technology (IT)
 $\text{olvi}^* = 0.75$ 0.75 0.75 (1.0)
 $\text{cmyn}^* = 0.25$ 0.25 0.25 (0.0)
 $\text{olvi}^* = 0.75$ 0.75 0.75 (1.0)
 $\text{cmyn}^* = 0.25$ 0.25 0.25 (0.0)
 standard and adapted CIELAB
 $\text{LAB}^* \text{LAB}^* = 83.81$ 0.0 0.0
 $\text{LAB}^* \text{LAB}^* = 83.81$ 0.0 0.0
 relative CIELAB lab*
 $\text{lab}^* \text{lab}^* = 0.85$ 0.011 -0.249
 $\text{lab}^* \text{lab}^* = 0.85$ 0.011 -0.249
 $\text{lab}^* \text{lab}^* = 0.85$ 0.011 -0.249
 relative Natural Colour (NC)
 $\text{lab}^* \text{lab}^* = 0.85$ 0.011 -0.249
 $\text{lab}^* \text{lab}^* = 0.85$ 0.011 -0.249
 $\text{lab}^* \text{lab}^* = 0.85$ 0.011 -0.249

relative Inform. Technology (IT)
 $\text{olvi}^* = 0.5$ 0.5 0.5 (1.0)
 $\text{cmyn}^* = 0.5$ 0.5 0.5 (0.0)
 $\text{olvi}^* = 0.5$ 0.5 0.5 (1.0)
 $\text{cmyn}^* = 0.5$ 0.5 0.5 (0.0)
 standard and adapted CIELAB
 $\text{LAB}^* \text{LAB}^* = 72.21$ 1.85 -40.58
 $\text{LAB}^* \text{LAB}^* = 72.21$ 1.85 -40.58
 relative CIELAB lab*
 $\text{lab}^* \text{lab}^* = 0.5$ 0.022 -0.498
 $\text{lab}^* \text{lab}^* = 0.5$ 0.022 -0.498
 $\text{lab}^* \text{lab}^* = 0.5$ 0.022 -0.498
 relative Natural Colour (NC)
 $\text{lab}^* \text{lab}^* = 0.5$ 0.022 -0.498
 $\text{lab}^* \text{lab}^* = 0.5$ 0.022 -0.498
 $\text{lab}^* \text{lab}^* = 0.5$ 0.022 -0.498

relative Inform. Technology (IT)
 $\text{olvi}^* = 0.25$ 0.25 0.25 (1.0)
 $\text{cmyn}^* = 0.25$ 0.25 0.25 (0.0)
 $\text{olvi}^* = 0.25$ 0.25 0.25 (1.0)
 $\text{cmyn}^* = 0.25$ 0.25 0.25 (0.0)
 standard and adapted CIELAB
 $\text{LAB}^* \text{LAB}^* = 64.46$ 0.0 0.0
 $\text{LAB}^* \text{LAB}^* = 64.46$ 0.0 0.0
 relative CIELAB lab*
 $\text{lab}^* \text{lab}^* = 0.25$ 0.011 -0.249
 $\text{lab}^* \text{lab}^* = 0.25$ 0.011 -0.249
 $\text{lab}^* \text{lab}^* = 0.25$ 0.011 -0.249
 relative Natural Colour (NC)
 $\text{lab}^* \text{lab}^* = 0.25$ 0.011 -0.249
 $\text{lab}^* \text{lab}^* = 0.25$ 0.011 -0.249
 $\text{lab}^* \text{lab}^* = 0.25$ 0.011 -0.249

relative Inform. Technology (IT)
 $\text{olvi}^* = 0.0$ 0.0 0.0 (1.0)
 $\text{cmyn}^* = 0.0$ 0.0 0.0 (0.0)
 $\text{olvi}^* = 0.0$ 0.0 0.0 (1.0)
 $\text{cmyn}^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $\text{LAB}^* \text{LAB}^* = 52.86$ 1.97 -40.58
 $\text{LAB}^* \text{LAB}^* = 52.86$ 1.97 -40.58
 relative CIELAB lab*
 $\text{lab}^* \text{lab}^* = 0.25$ 0.022 -0.498
 $\text{lab}^* \text{lab}^* = 0.25$ 0.022 -0.498
 $\text{lab}^* \text{lab}^* = 0.25$ 0.022 -0.498
 relative Natural Colour (NC)
 $\text{lab}^* \text{lab}^* = 0.25$ 0.022 -0.498
 $\text{lab}^* \text{lab}^* = 0.25$ 0.022 -0.498
 $\text{lab}^* \text{lab}^* = 0.25$ 0.022 -0.498

relative Inform. Technology (IT)
 $\text{olvi}^* = 0.25$ 0.25 0.25 (1.0)
 $\text{cmyn}^* = 0.75$ 0.75 0.75 (0.0)
 $\text{olvi}^* = 0.25$ 0.25 0.25 (1.0)
 $\text{cmyn}^* = 0.75$ 0.75 0.75 (0.0)
 standard and adapted CIELAB
 $\text{LAB}^* \text{LAB}^* = 41.27$ 2.73 -60.89
 $\text{LAB}^* \text{LAB}^* = 41.27$ 2.73 -60.89
 relative CIELAB lab*
 $\text{lab}^* \text{lab}^* = 0.45$ 0.022 -0.498
 $\text{lab}^* \text{lab}^* = 0.45$ 0.022 -0.498
 $\text{lab}^* \text{lab}^* = 0.45$ 0.022 -0.498
 relative Natural Colour (NC)
 $\text{lab}^* \text{lab}^* = 0.45$ 0.022 -0.498
 $\text{lab}^* \text{lab}^* = 0.45$ 0.022 -0.498
 $\text{lab}^* \text{lab}^* = 0.45$ 0.022 -0.498

relative Inform. Technology (IT)
 $\text{olvi}^* = 0.0$ 0.0 0.0 (1.0)
 $\text{cmyn}^* = 0.0$ 0.0 0.0 (0.0)
 $\text{olvi}^* = 0.0$ 0.0 0.0 (1.0)
 $\text{cmyn}^* = 0.0$ 0.0 0.0 (0.0)
 standard and adapted CIELAB
 $\text{LAB}^* \text{LAB}^* = 33.52$ 1.9 -40.56
 $\text{LAB}^* \text{LAB}^* = 33.52$ 1.9 -40.56
 relative CIELAB lab*
 $\text{lab}^* \text{lab}^* = 0.2$ 0.022 -0.498
 $\text{lab}^* \text{lab}^* = 0.2$ 0.022 -0.498
 $\text{lab}^* \text{lab}^* = 0.2$ 0.022 -0.498
 relative Natural Colour (NC)
 $\text{lab}^* \text{lab}^* = 0.2$ 0.022 -0.498
 $\text{lab}^* \text{lab}^* = 0.2$ 0.02

Eingabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 273/360 = 0.758$

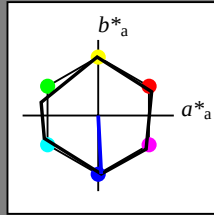
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

%Regulartät

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

0,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

Schwarzheit n^*

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 273/360 = 0.758$

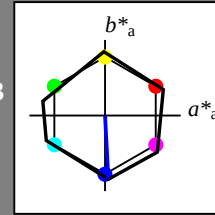
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regulartät

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

0,00

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

Schwarzheit n^*

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.758 (links)

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

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 273/360 = 0.758$

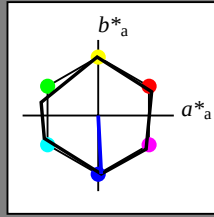
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.758 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 273/360 = 0.757$

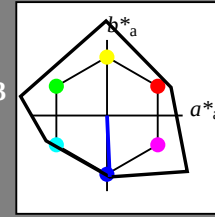
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

1,00

0,75

%Regularität

$g^*_{H,rel} = 46$

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

NCS11; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	47.15	84.64	37.25	92.48	24	
JMa	91.37	-1.27	125.03	125.03	91	
GMa	63.07	-114.28	25.35	117.06	167	
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203	
B _{Ma}	49.01	3.65	-81.19	81.28	273	
B50R _{Ma}	44.06	106.09	-73.93	129.32	325	
NMa	10.99	0.0	0.0	0.0	0	
WMa	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

$g^*_{H,rel} = 46$

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

relative Inform. Technology (IT)						
olvi3*	1.0	1.0	1.0	(1.0)		
cmyn3*	0.0	0.0	0.0	(0.0)		
olvi4*	1.0	1.0	1.0	(1.0)		
cmyn4*	0.0	0.0	0.0	(0.0)		
standard and adapted CIELAB						
LAB*LAB	95.41	0.0	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0			
LAB*TCRa	99.99	0.01	-			
relative CIELAB lab*						
lab*lab	1.0	0.0	0.0			
lab*ch	1.0	0.0	-			
lab*nch	0.0	0.0	0.0			
relative Natural Colour (NC)						
lab*trj	1.0	0.0	0.0			
lab*nce	0.0	0.0	-			

relative Inform. Technology (IT)						
olvi3*	0.75	0.75	0.75	(1.0)		
cmyn3*	0.25	0.25	0.25	(0.0)		
olvi4*	1.0	1.0	1.0	(1.0)		
cmyn4*	0.0	0.0	0.0	(0.0)		
standard and adapted CIELAB						
LAB*LAB	74.31	0.0	0.0			
LAB*LABa	74.31	0.0	0.0			
LAB*TCRa	75.0	0.01	-			
relative CIELAB lab*						
lab*lab	0.75	0.0	0.0			
lab*ch	0.75	0.0	-			
lab*nch	0.25	0.0	0.0			
relative Natural Colour (NC)						
lab*trj	0.75	0.0	0.0			
lab*nce	0.25	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	62.71	0.0	0.0			
LAB*LABa	62.71	0.0	0.0			
LAB*TCRa	62.5	0.01	-			
relative CIELAB lab*						
lab*lab	0.5	0.0	0.0			
lab*ch	0.5	0.0	-			
lab*nch	0.5	0.0	0.0			
relative Natural Colour (NC)						
lab*trj	0.5	0.0	0.0			
lab*nce	0.5	0.0	-			

relative Inform. Technology (IT)						
olvi3*	0.25	0.25	0.25	(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	53.21	0.0	0.0			
LAB*LABa	53.21	0.0	0.0			
LAB*TCRa	50.0	0.01	-			
relative CIELAB lab*						
lab*lab	0.25	0.0	0.0			
lab*ch	0.25	0.0	-			
lab*nch	0.25	0.0	0.0			
relative Natural Colour (NC)						
lab*trj	0.25	0.0	0.0			
lab*nce	0.25	0.0	-			

relative Inform. Technology (IT)						
olvi3*	0.25	0.25	0.25	(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	41.6	0.0	0.0			
LAB*LABa	41.6	0.0	0.0			
LAB*TCRa	37.5	0.01	-			
relative CIELAB lab*						
lab*lab	0.25	0.0	0.0			
lab*ch	0.25	0.0	-			
lab*nch	0.25	0.0	0.0			
relative Natural Colour (NC)						
lab*trj	0.25	0.0	0.0			
lab*nce	0.25	0.0	-			

relative Inform. Technology (IT)						
olvi3*	0.0	0.0	0.0	(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	20.5	0.0	0.0			
LAB*LABa	20.5	0.0	0.0			
LAB*TCRa	12.5	0.01	-			
relative CIELAB lab*						
lab*lab	0.0	0.0	0.0			
lab*ch	0.0	0.0	-			
lab*nch	0.0	0.0	0.0			
relative Natural Colour (NC)						
lab*trj	0.0	0.0	0.0			
lab*nce	0.0	0.0	-			

relative Inform. Technology (IT)						
olvi3*	0.0	0.0	0.0	(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	11.01	0.0	0.0			
LAB*LABa	11.01	0.0	0.0			
LAB*TCRa	0.01	0.01	-			
relative CIELAB lab*						
lab*lab	0.0	0.0	0.0			
lab*ch	0.0	0.0	-			
lab*nch	0.0	0.0	0.0			
relative Natural Colour (NC)						
lab*trj	0.0	0.0	0.0			
lab*nce	0.0	0.0	-			

relative Inform. Technology (IT)						
olvi3*	0.0	0.0	0.0	(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	0.0	0.0	0.0			
LAB*LABa	0.0	0.0	0.0			
LAB*TCRa	0.0	0.0	0.0			
relative CIELAB lab*						
lab*lab	0.0	0.0	0.0			
lab*ch	0.0	0.0	-			
lab*nch	0.0	0.0	0.0			
relative Natural Colour (NC)						
lab*trj	0.0	0.0	0.0			
lab*nce	0.0	0.0	-			

lab* <i>chl</i>	0.0	0.0	-
lab* <i>nch</i>	1.0	0.0	-
relative Natural Colour (NC)			0.0
lab* <i>lrj</i>	0.0	0.0	0.0
lab* <i>tce</i>	0.0	0.0	-
lab* <i>nCE</i>	1.0	0.0	-

$n^* = 1,0$

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 273/360 = 0.757$

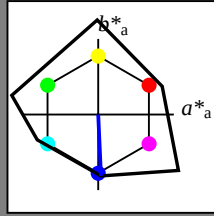
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (links)

Ausgabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

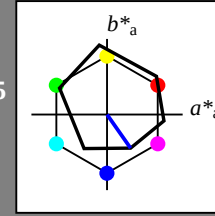
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

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

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 273/360 = 0.757$

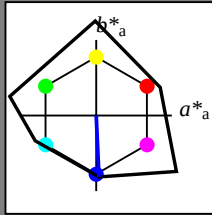
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

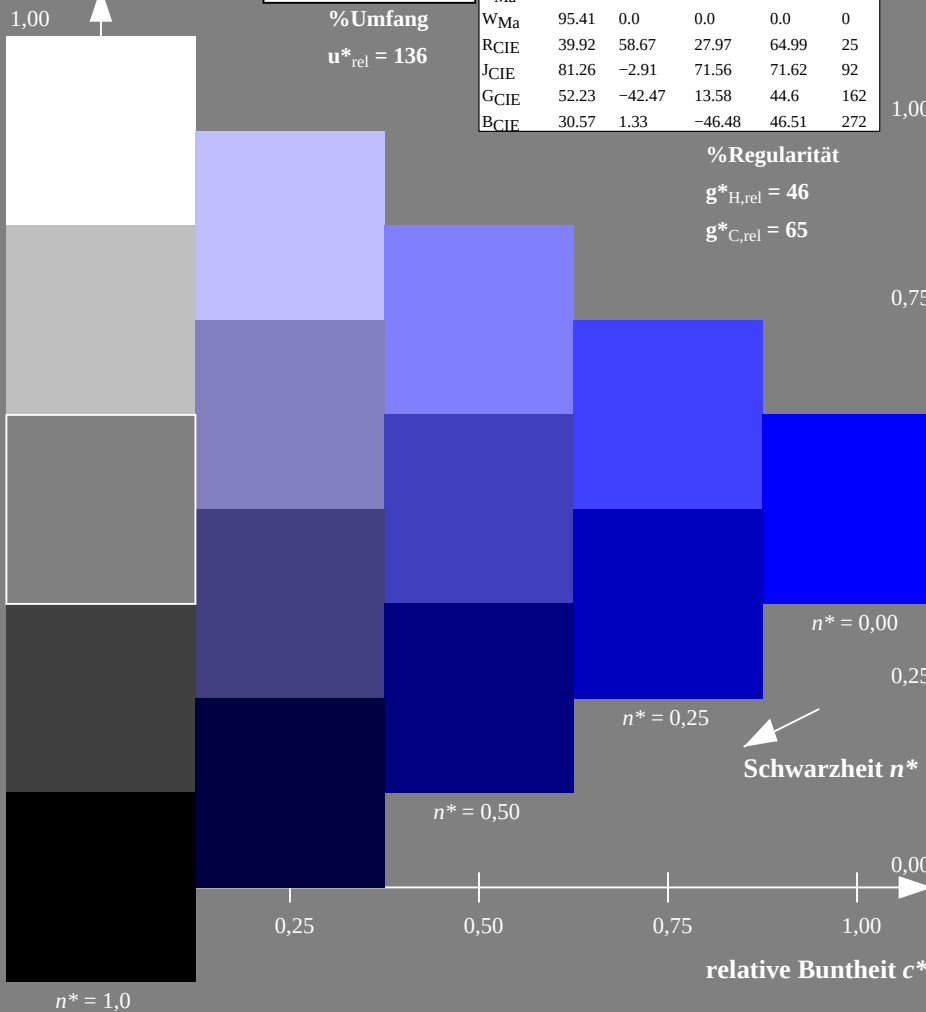
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$



TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$

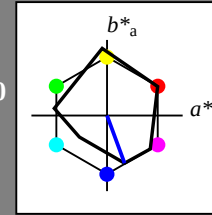
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

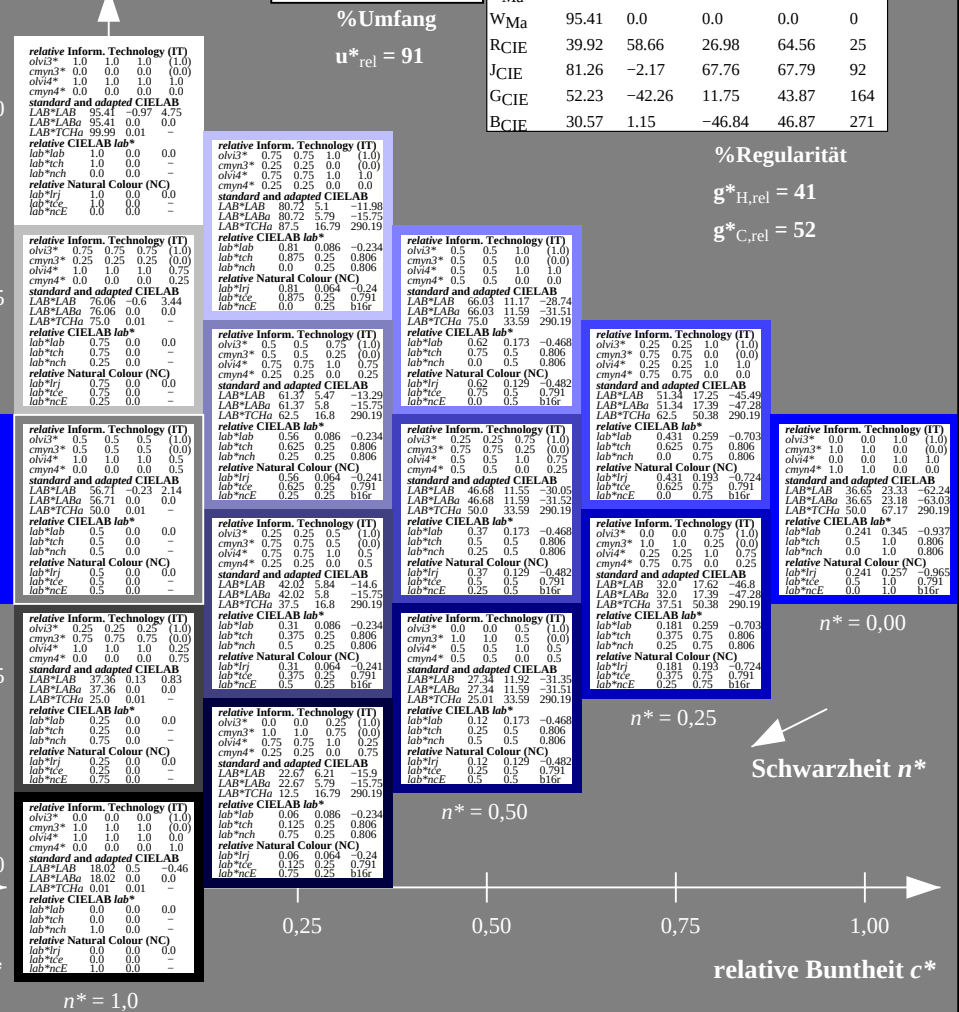
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$



5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 273/360 = 0.757$

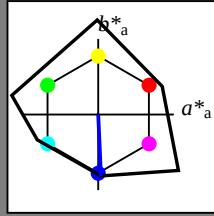
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

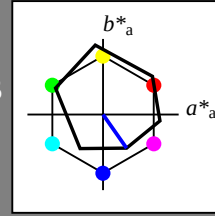
lab^*tch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.75	0.75	0.75	(1.0)
LAB*LAB	77.98	7.13	-7.51	-	-
LAB*LABa	77.98	7.77	-11.09	-	-
LAB*LABb	77.98	7.77	-11.09	-	-
LAB*LABc	77.98	7.77	-11.09	-	-
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	1.0	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	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.75	0.75	0.75	(1.0)
LAB*LAB	77.98	7.13	-7.51	-	-
LAB*LABa	77.98	7.77	-11.09	-	-
LAB*LABb	77.98	7.77	-11.09	-	-
LAB*LABc	77.98	7.77	-11.09	-	-
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	1.0	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	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.75	0.75	0.75	(1.0)
LAB*LAB	77.98	7.13	-7.51	-	-
LAB*LABa	77.98	7.77	-11.09	-	-
LAB*LABb	77.98	7.77	-11.09	-	-
LAB*LABc	77.98	7.77	-11.09	-	-
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	1.0	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	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.75	0.75	0.75	(1.0)
LAB*LAB	77.98	7.13	-7.51	-	-
LAB*LABa	77.98	7.77	-11.09	-	-
LAB*LABb	77.98	7.77	-11.09	-	-
LAB*LABc	77.98	7.77	-11.09	-	-
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	1.0	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	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.75	0.75	0.75	(1.0)
LAB*LAB	77.98	7.13	-7.51	-	-
LAB*LABa	77.98	7.77	-11.09	-	-
LAB*LABb	77.98	7.77	-11.09	-	-
LAB*LABc	77.98	7.77	-11.09	-	-
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	1.0	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	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.75	0.75	0.75	(1.0)
LAB*LAB	77.98	7.13	-7.51	-	-
LAB*LABa	77.98	7.77	-11.09	-	-
LAB*LABb	77.98	7.77	-11.09	-	-
LAB*LABc	77.98	7.77	-11.09	-	-
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	1.0	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	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.75	0.75	0.75	(1.0)
LAB*LAB	77.98	7.13	-7.51	-	-
LAB*LABa	77.98	7.77	-11.09	-	-
LAB*LABb	77.98	7.77	-11.09	-	-
LAB*LABc	77.98	7.77	-11.09	-	-
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	1.0	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	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.75	0.75	0.75	(1.0)
LAB*LAB	77.98	7.13	-7.51	-	-
LAB*LABa	77.98	7.77	-11.09	-	-
LAB*LABb	77.98	7.77	-11.09	-	-
LAB*LABc	77.98	7.77	-11.09	-	-
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	1.0	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	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.75	0.75	0.75	(1.0)
LAB*LAB	77.98	7.13	-7.51	-	-
LAB*LABa	77.98	7.77	-11.09	-	-
LAB*LABb	77.98	7.77	-11.09	-	-
LAB*LABc	77.98	7.77	-11.09	-	-
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	1.0	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	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.75	0.75	0.75	(1.0)
LAB*LAB	77.98	7.13	-7.51	-	-
LAB*LABa	77.98	7.77	-11.09	-	-
LAB*LABb	77.98	7.77	-11.09	-	-
LAB*LABc	77.98	7.77	-11.09	-	-
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	1.0	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	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$	
standard and adapted CIELAB	0.75	0.75	0.75	0.75	(1.0)
LAB*LAB	77.98	7.13	-7.51	-	-
LAB*LABa	77.98	7.77	-11.09	-	-
LAB*LABb	77.98	7.77	-11.09	-	-
LAB*LABc	77.98	7.77	-11.09	-	-
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	1.0	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	1.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

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

TRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
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	
GCIIE	52.23	-42.26	11.75	43.87	164	
BCIE	30.57	1.15	-46.84	46.87	271	

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 273/360 = 0.757$

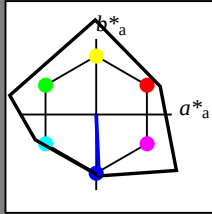
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmimetrisches Reflexions-System MRS18a

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

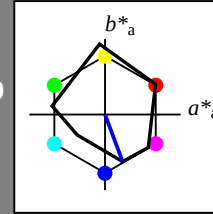
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

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
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

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (links)

5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS18

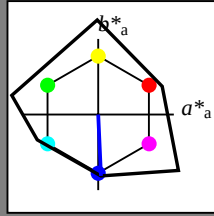
für Buntton $h^* = lab^*h = 273/360 = 0.757$ lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

%Regelartitt

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen fr konstanten CIELAB Buntton 273/360 = 0.757 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS18

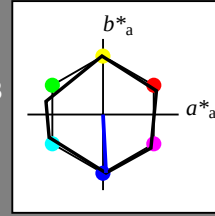
fr Buntton $h^* = lab^*h = 273/360 = 0.758$ lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

%Regelartitt

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

5 stufige Reihen fr konstanten CIELAB Buntton 273/360 = 0.758 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 273/360 = 0.757$

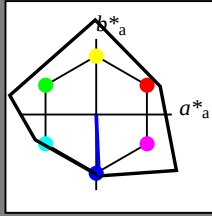
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 273/360 = 0.758$

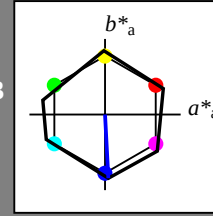
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

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

Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 273/360 = 0.757$

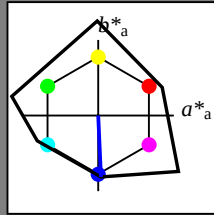
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

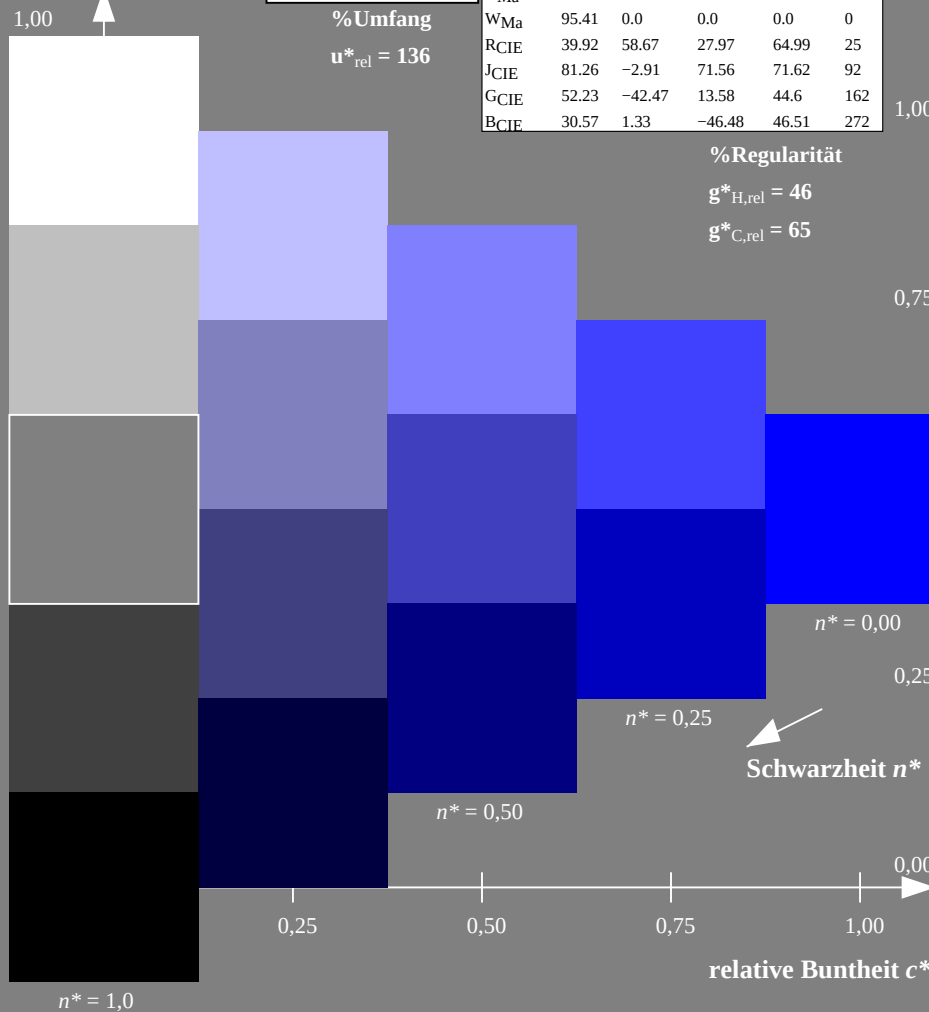
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$



TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 273/360 = 0.757$

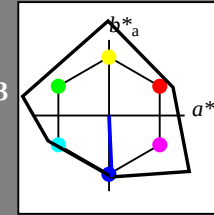
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

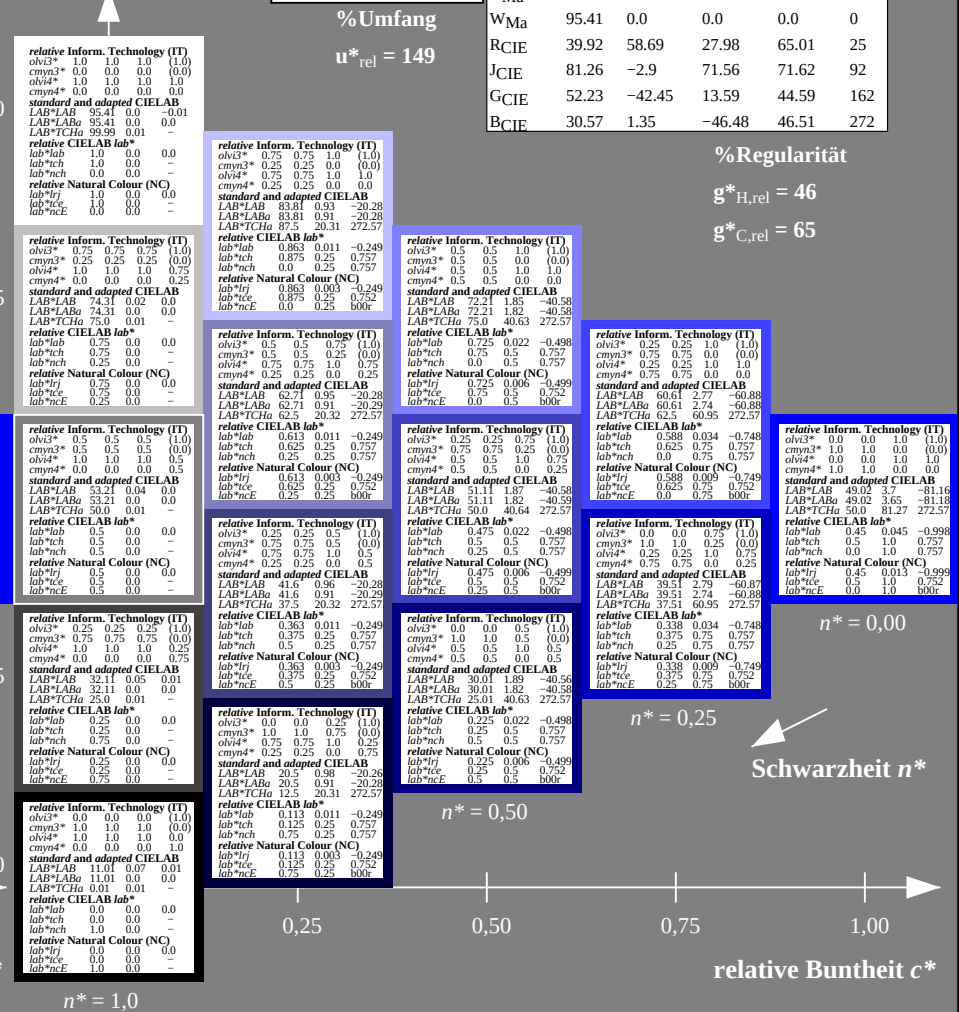
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$



5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 273/360 = 0.758$

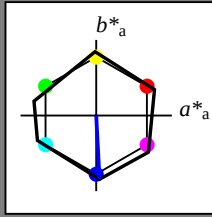
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten		$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24	
JMa	53.2	-1.51	84.38	84.39	91	
GMa	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	4.37	-84.28	84.41	273	
B50R _{Ma}	53.2	69.09	-48.41	84.37	325	
NMa	10.99	0.0	0.0	0.0	0	
WMa	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.758 (links)

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

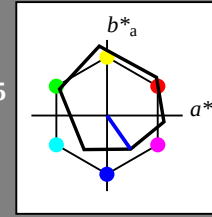
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

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

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 273/360 = 0.758$

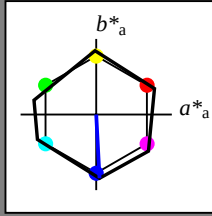
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

1,00

0,75

0,50

0,25

0,00

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,50

0,25

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Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$

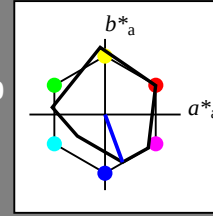
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

1,00

0,75

0,50

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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

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

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

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.758 (links)

5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 273/360 = 0.758$

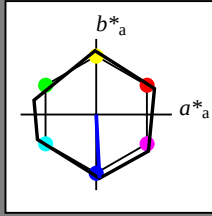
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 53 84 273

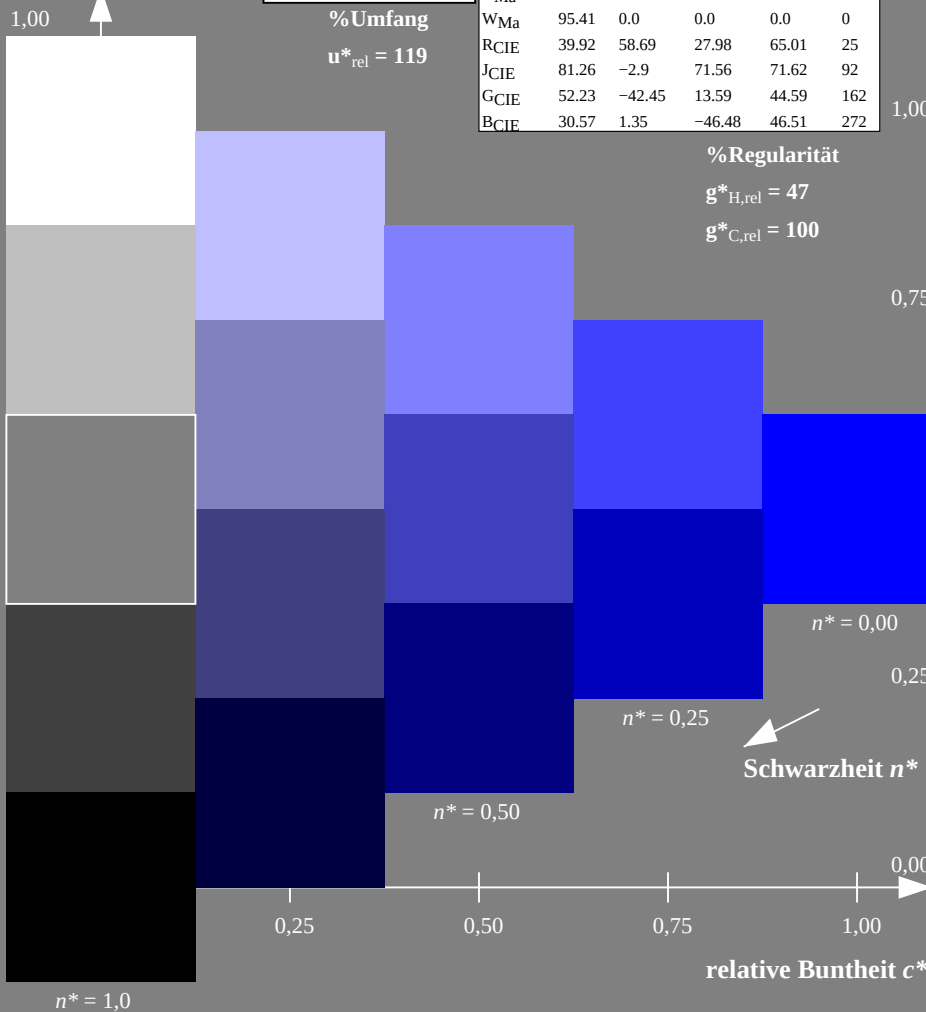
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$



TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $273/360 = 0.758$ (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

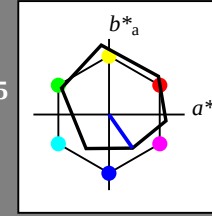
lab^*tch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

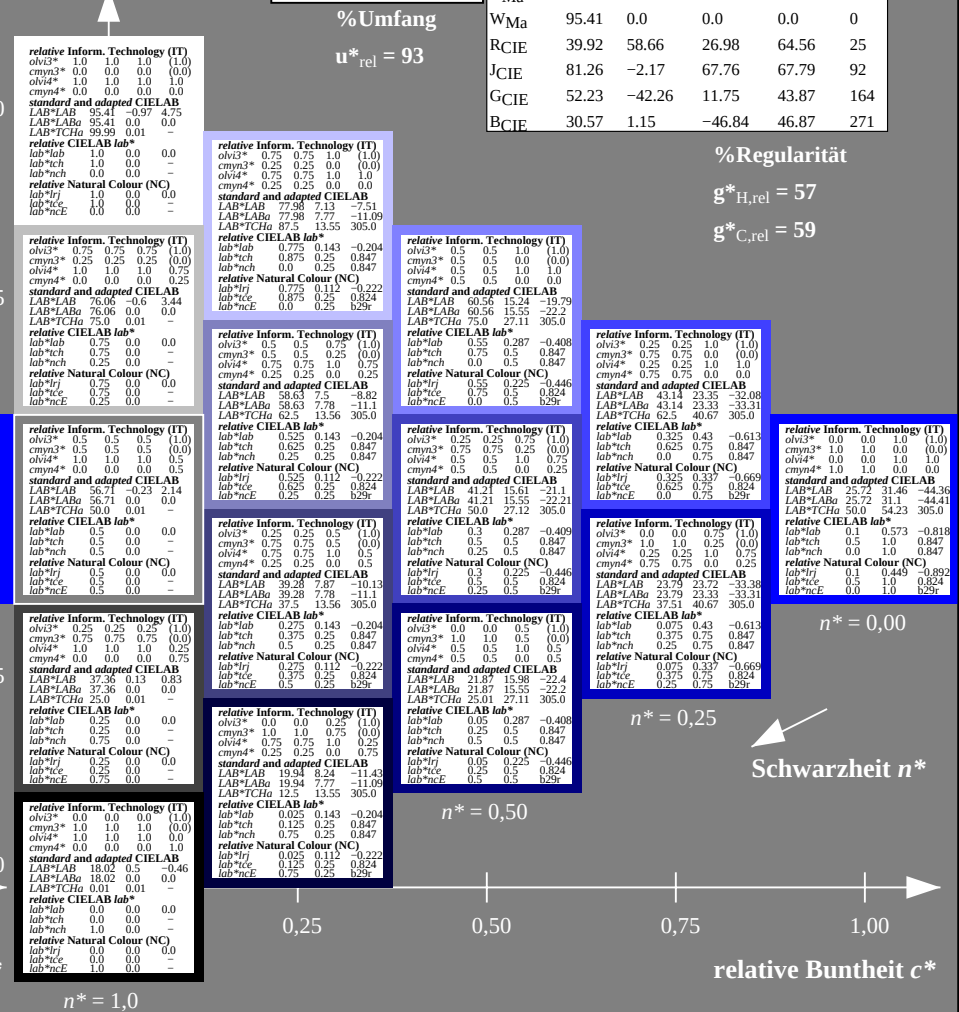
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$



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

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = \text{lab}^*h = 273/360 = 0.758$

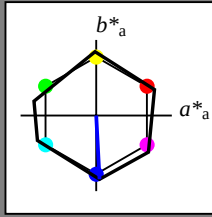
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = \text{lab}^*h = 290/360 = 0.807$

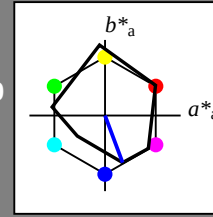
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	99.99	0.01	-		

relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	0.0		
LAB*LABa	76.06	0.0	0.0		
LAB*LABb	75.01	0.01	-		

relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	0.0		
LAB*LABa	56.71	0.0	0.0		
LAB*LABb	50.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.07	0.01		
LAB*LABa	37.36	0.0	0.0		
LAB*LABb	25.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	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	0.1	0.02		
LAB*LABa	18.02	0.0	0.0		
LAB*LABb	0.01	0.01	-		

relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

$n^* = 1,0$

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

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

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

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	0.75	0.75	0.75	(1.0)	
cmyn4*	0.25	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	80.72	5.84	-15.55		
LAB*LABa	80.72	5.81	-15.55		
LAB*LABb	87.5	16.61	290.48		

relative CIELAB lab*					
lab*lab	0.81	0.087	-0.233		
lab*tch	0.875	0.25	0.807		
lab*nch	0.0	0.25	0.807		
relative Natural Colour (NC)					
lab*trj	0.81	0.084	-0.241		
lab*tce	0.875	0.25	0.791		
lab*nce	0.0	0.25	0.807		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	0.75	0.75	0.75	(1.0)	
cmyn4*	0.25	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	61.37	5.88	-15.55		
LAB*LABa	61.37	5.81	-15.55		
LAB*LABb	62.5	16.62	290.48		

relative CIELAB lab*					
lab*lab	0.56	0.087	-0.233		
lab*tch	0.625	0.25	0.807		
lab*nch	0.25	0.25	0.807		
relative Natural Colour (NC)					
lab*trj	0.56	0.084	-0.241		
lab*tce	0.625	0.25	0.791		
lab*nce	0.25	0.25	0.807		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	0.75	0.75	0.75	(1.0)	
cmyn4*	0.25	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	46.68	11.68	-31.11		
LAB*LABa	46.68	11.63	-31.13		
LAB*LABb	50.0	33.24	290.48		

relative CIELAB lab*					
lab*lab	0.37	0.175	-0.467		
lab*tch	0.375	0.25	0.807		
lab*nch	0.25	0.25	0.807		
relative Natural Colour (NC)					
lab*trj	0.37	0.129	-0.482		
lab*tce	0.375	0.25	0.791		
lab*nce	0.25	0.25	0.807		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	0.5	0.5	0.5	(1.0)	
cmyn4*	0.5	0.5	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	27.34	11.71	-31.1		
LAB*LABa	27.34	11.63	-31.13		
LAB*LABb	25.01	33.24	290.48		

LAB*1Ch	12.5	16.61	290.48
relative CIELAB lab*			
lab*lab	0.06	0.087	-0.233
lab*tch	0.125	0.25	0.807
lab*nch	0.75	0.25	0.807
relative Natural Colour (NC)			
lab*lrj	0.06	0.064	-0.241
lab*tce	0.125	0.25	0.791
lab*nce	0.75	0.25	b16r

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 273/360 = 0.758$

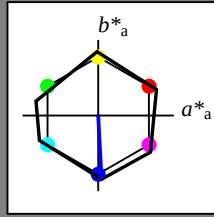
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten		$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24	
JMa	53.2	-1.51	84.38	84.39	91	
GMa	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	4.37	-84.28	84.41	273	
B50R _{Ma}	53.2	69.09	-48.41	84.37	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 273/360 = 0.758$

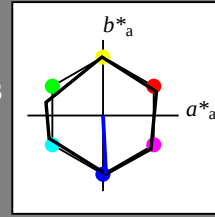
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten		$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24	
J _{Ma}	56.7	-1.39	77.37	77.39	91	
G _{Ma}	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.758 (links)

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

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 273/360 = 0.758$

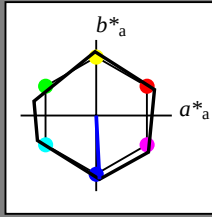
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
R _{Ma}	53.2	77.06	34.32	84.36	24	
J _{Ma}	53.2	-1.51	84.38	84.39	91	
G _{Ma}	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	4.37	-84.28	84.41	273	
B50R _{Ma}	53.2	69.09	-48.41	84.37	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 273/360 = 0.757$

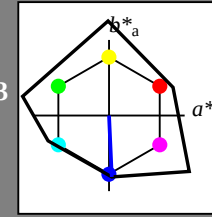
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

relative Inform. Technology (IT)						
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$	$olvi8^*$
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0
lab*ch	0.0	1.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	1.0	0.0	0.0
standard and adapted CIELAB	0.0	0.0	0.0	0.0	1.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABb	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABc	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABd	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABe	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABf	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABg	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABh	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABi	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABj	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABk	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABl	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABm	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABn	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABo	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABp	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABq	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABr	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABs	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABt	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABu	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABv	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABw	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABx	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABy	95.41	0.0	0.0	0.0	0.0	0.0
LAB*LABz	95.41	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)						
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$	$olvi8^*$
lab*lab	0.75	0.75	0.75	0.75	0.75	0.75
lab*ch	0.75	0.75	0.75	0.75	0.75	0.75
lab*nch	0.75	0.75	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75	0.75	0.75
standard and adapted CIELAB	0.75	0.75	0.75	0.75	0.75	0.75
LAB*LAB	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABa	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABb	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABc	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABd	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABe	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABf	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABg	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABh	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABi	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABj	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABk	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABl	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABm	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABn	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABo	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABp	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABq	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABr	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABs	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABt	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABu	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABv	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABw	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABx	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABy	72.21	1.85	-40.58	72.21	1.85	-40.58
LAB*LABz	72.21	1.85	-40.58	72.21	1.85	-40.58

relative Inform. Technology (IT)						
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$	$olvi8^*$
lab*lab	0.5	0.5	0.5	0.5	0.5	0.5
lab*ch	0.5	0.5	0.5	0.5	0.5	0.5
lab*nch	0.5	0.5	0.5	0.5	0.5	0.5
relative Natural Colour (NC)	0.5	0.5	0.5	0.5	0.5	0.5
standard and adapted CIELAB	0.5	0.5	0.5	0.5	0.5	0.5
LAB*LAB	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABa	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABb	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABc	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABd	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABe	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABf	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABg	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABh	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABi	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABj	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABk	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABl	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABm	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABn	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABo	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABp	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABq	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABr	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABs	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABt	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABu	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABv	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABw	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABx	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABy	60.61	2.77	-60.88	60.61	2.77	-60.88
LAB*LABz	60.61	2.77	-60.88	60.61	2.77	-60.88

relative Inform. Technology (IT)						
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$	$olvi8^*$
lab*lab	0.25	0.25	0.25	0.25	0.25	0.25
lab*ch	0.25	0.25	0.25	0.25	0.25	0.25
lab*nch	0.25	0.25	0.25	0.25	0.25	0.25
relative Natural Colour (NC)	0.25	0.25	0.25	0.25	0.25	0.25
standard and adapted CIELAB	0.25	0.25	0.25	0.25	0.25	0.25
LAB*LAB	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABa	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABb	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABc	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABd	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABe	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABf	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABg	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABh	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABi	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABj	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABk	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABl	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABm	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABn	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABo	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABp	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABq	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABr	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABs	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABt	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABu	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABv	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABw	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABx	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABy	50.0	0.0	0.0	50.0	0.0	0.0
LAB*LABz	50.0	0.0	0.0	50.0	0.0	0.0

relative CIELAB lab*			
lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-
relative Natural Colour (NC)			
lab*lrj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 273/360 = 0.758$

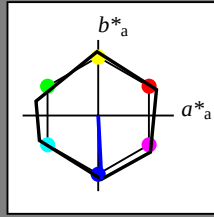
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	53.2	77.06	34.32	84.36	24	
JMa	53.2	-1.51	84.38	84.39	91	
GMa	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	4.37	-84.28	84.41	273	
B50R _{Ma}	53.2	69.09	-48.41	84.37	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.758 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 273/360 = 0.758$

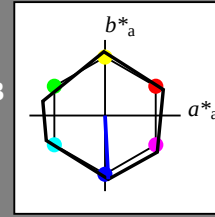
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	53.2	77.06	34.32	84.36	24	
JMa	53.2	-1.51	84.38	84.39	91	
GMa	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	4.37	-84.28	84.41	273	
B50R _{Ma}	53.2	69.09	-48.41	84.37	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

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

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = \text{lab}^*h = 273/360 = 0.758$

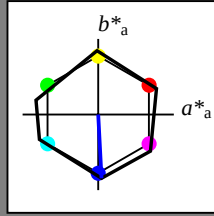
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.758 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = \text{lab}^*h = 273/360 = 0.757$

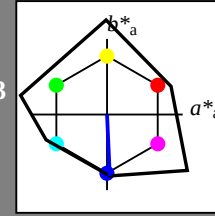
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0
lab*tce	0.0	0.0	0.0	1.0	0.0
lab*nce	0.0	0.0	0.0	0.0	1.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	74.31	0.0	0.0	0.0	0.0
lab*tch	74.31	0.0	0.0	0.0	0.0
lab*nch	74.31	0.0	0.0	0.0	0.0
lab*tce	74.31	0.0	0.0	0.0	0.0
lab*nce	74.31	0.0	0.0	0.0	0.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.0	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.75	0.0	0.0
lab*tce	0.0	0.0	0.0	0.75	0.0
lab*nce	0.0	0.0	0.0	0.0	0.75

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*tch	0.0	0.75	0.0	0.0	0.0
lab*nch	0.0	0.0	0.75	0.0	0.0
lab*tce	0.0	0.0	0.0	0.75	0.0
lab*nce	0.0	0.0	0.0	0.0	0.75

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	62.71	0.0	0.0	0.0	0.0
lab*tch	62.71	0.0	0.0	0.0	0.0
lab*nch	62.71	0.0	0.0	0.0	0.0
lab*tce	62.71	0.0	0.0	0.0	0.0
lab*nce	62.71	0.0	0.0	0.0	0.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
lab*lab	0.613	0.011	0.0	0.0	0.0
lab*tch	0.011	0.613	0.0	0.0	0.0
lab*nch	0.0	0.0	0.613	0.0	0.0
lab*tce	0.0	0.0	0.0	0.613	0.0
lab*nce	0.0	0.0	0.0	0.0	0.613

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*tch	0.0	0.25	0.0	0.0	0.0
lab*nch	0.0	0.0	0.25	0.0	0.0
lab*tce	0.0	0.0	0.0	0.25	0.0
lab*nce	0.0	0.0	0.0	0.0	0.25

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	53.21	0.0	0.0	0.0	0.0
lab*tch	53.21	0.0	0.0	0.0	0.0
lab*nch	53.21	0.0	0.0	0.0	0.0
lab*tce	53.21	0.0	0.0	0.0	0.0
lab*nce	53.21	0.0	0.0	0.0	0.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*tch	0.0	0.25	0.0	0.0	0.0
lab*nch	0.0	0.0	0.25	0.0	0.0
lab*tce	0.0	0.0	0.0	0.25	0.0
lab*nce	0.0	0.0	0.0	0.0	0.25

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
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	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*LABc	LAB^*LABd
lab*lab	11.01	0.0	0.0	0.0	0.0
lab*tch	11.01	0.0	0.0	0.0	0.0
lab*nch	11.01	0.0	0.0	0.0	0.0
lab*tce	11.01	0.0	0.0	0.0	0.0
lab*nce	11.01	0.0	0.0	0.0	0.0

relative CIELAB lab*					
	lab^*lab	lab^*tch	lab^*nch	lab^*tce	lab^*nce
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	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (rechts)

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 273/360 = 0.757$

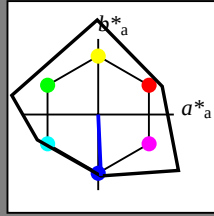
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

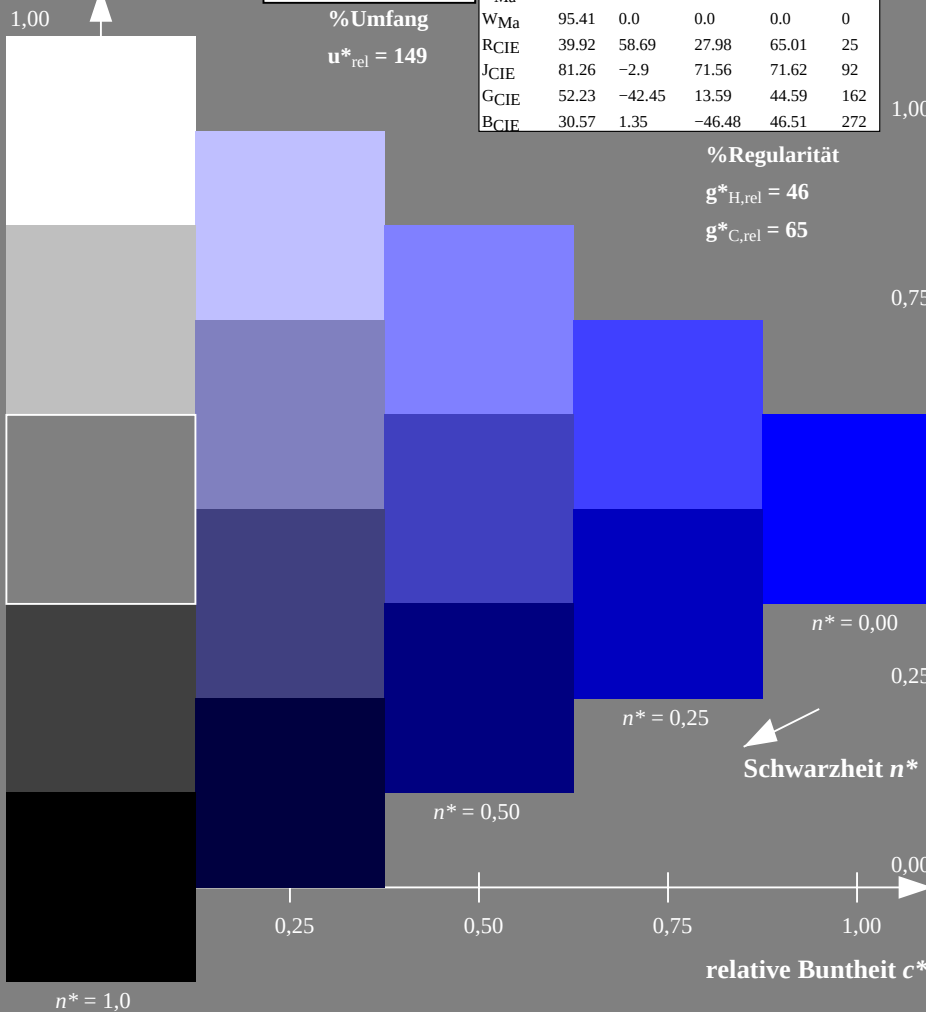
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$



$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

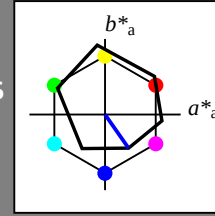
lab^*tch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

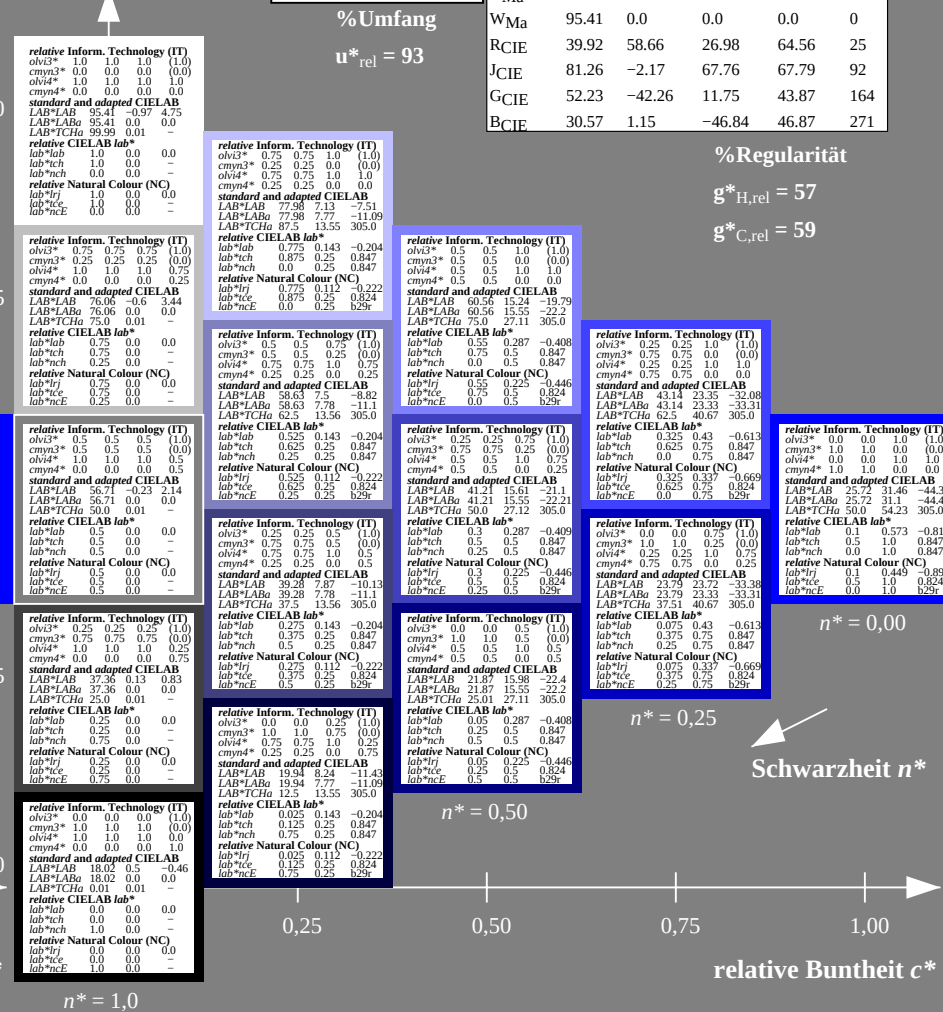
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$



$n^* = 1,0$

relative Buntheit c^*

ORS18; adaptierte CIELAB-Daten

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

%Regulartät

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

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

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0
relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 1.0 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* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 77.98 7.13 -7.51
LAB*LABa 77.98 7.77 -11.09
LAB*LABb 77.98 7.77 -11.09
LAB*LABc 77.98 7.77 -11.09
relative CIELAB lab*
lab*lab 0.775 0.143 -0.204
lab*tch 0.875 0.25 0.847
lab*nch 0.5 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.775 0.143 -0.204
lab*tce 0.875 0.25 0.847
lab*nce 0.5 0.5 0.847

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 60.56 15.24 -19.79
LAB*LABa 60.56 15.55 -22.2
LAB*LABb 60.56 15.55 -22.2
LAB*LABc 60.56 15.55 -22.2
relative CIELAB lab*
lab*lab 0.55 0.287 -0.408
lab*tch 0.75 0.5 0.847
lab*nch 0.5 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.55 0.287 -0.408
lab*tce 0.75 0.5 0.847
lab*nce 0.5 0.5 0.847

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 0.25 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 43.14 23.33 -33.31
LAB*LABa 43.14 23.33 -33.31
LAB*LABb 43.14 23.33 -33.31
LAB*LABc 43.14 23.33 -33.31
relative CIELAB lab*
lab*lab 0.325 0.337 -0.669
lab*tch 0.625 0.75 0.847
lab*nch 0.25 0.25 0.847
relative Natural Colour (NC)
lab*trj 0.325 0.337 -0.669
lab*tce 0.625 0.75 0.847
lab*nce 0.25 0.25 0.847

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.72 31.1 -44.42
LAB*LABa 25.72 31.1 -44.42
LAB*LABb 25.72 31.1 -44.42
LAB*LABc 25.72 31.1 -44.42
relative CIELAB lab*
lab*lab 0.1 0.449 -0.892
lab*tch 0.1 0.449 -0.892
lab*nch 0.1 0.449 -0.892
relative Natural Colour (NC)
lab*trj 0.1 0.449 -0.892
lab*tce 0.1 0.449 -0.892
lab*nce 0.1 0.449 -0.892

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.5 -0.46
LAB*LABb 18.02 0.5 -0.46
LAB*LABc 18.02 0.5 -0.46
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 12.12 13.55 305.0
LAB*LABa 12.12 13.55 305.0
LAB*LABb 12.12 13.55 305.0
LAB*LABc 12.12 13.55 305.0
relative CIELAB lab*
lab*lab 0.025 0.143 -0.204
lab*tch 0.125 0.25 0.847
lab*nch 0.75 0.25 0.847
relative Natural Colour (NC)
lab*trj 0.025 0.143 -0.204
lab*tce 0.125 0.25 0.847
lab*nce 0.75 0.25 0.847

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 19.94 8.24 -11.43
LAB*LABa 19.94 8.24 -11.43
LAB*LABb 19.94 8.24 -11.43
LAB*LABc 19.94 8.24 -11.43
relative CIELAB lab*
lab*lab 0.025 0.143 -0.204
lab*tch 0.125 0.25 0.847
lab*nch 0.75 0.25 0.847
relative Natural Colour (NC)
lab*trj 0.025 0.143 -0.204
lab*tce 0.125 0.25 0.847
lab*nce 0.75 0.25 0.847

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 12.12 13.55 305.0
LAB*LABa 12.12 13.55 305.0
LAB*LABb 12.12 13.55 305.0
LAB*LABc 12.12 13.55 305.0
relative CIELAB lab*
lab*lab 0.025 0.143 -0.204
lab*tch 0.125 0.25 0.847
lab*nch 0.75 0.25 0.847
relative Natural Colour (NC)
lab*trj 0.025 0.143 -0.204
lab*tce 0.125 0.25 0.847
lab*nce 0.75 0.25 0.847

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 12.12 13.55 305.0
LAB*LABa 12.12 13.55 305.0
LAB*LABb 12.12 13.55 305.0
LAB*LABc 12.12 13.55 305.0
relative CIELAB lab*
lab*lab 0.025 0.143 -0.204
lab*tch 0.125 0.25 0.847
lab*nch 0.75 0.25 0.847
relative Natural Colour (NC)
lab*trj 0.025 0.143 -0.204
lab*tce 0.125 0.25 0.847
lab*nce 0.75 0.25 0.847

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 12.12 13.55 305.0
LAB*LABa 12.12 13.55 305.0
LAB*LABb 12.12 13.55 305.0
LAB*LABc 12.12 13.55 305.0
relative CIELAB lab*
lab*lab 0.025 0.143 -0.204
lab*tch 0.125 0.25 0.847
lab*nch 0.75 0.25 0.847
relative Natural Colour (NC)
lab*trj 0.025 0.143 -0.204
lab*tce 0.125 0.25 0.847
lab*nce 0.75 0.25 0.847

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (links)

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

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 273/360 = 0.757$

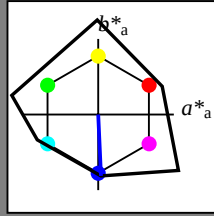
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

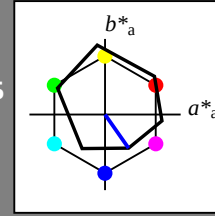
lab^*tch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

$n^* = 1,0$

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

TRS18; 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)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

$n^* = 0,50$

$n^* = 0,50$

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)	$olvi3^*$	$cmyn3^*$	$olvi4^*$	$cmyn4^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75
relative CIELAB lab*	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75
relative Natural Colour (NC)	0.75	0.75	0.75	0.75

$n^* = 0,00$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 273/360 = 0.757$

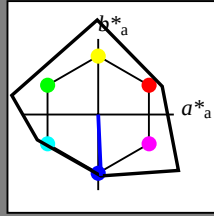
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regulartät

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

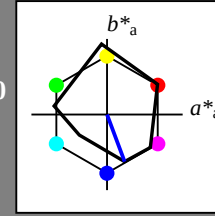
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%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
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
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

%Regulartät

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS11

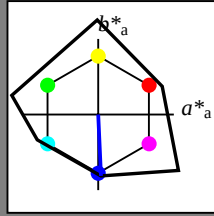
für Buntton $h^* = \text{lab}^*h = 273/360 = 0.757$ lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regelartitt

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$

Ausgabe: Farbmimetrisches Reflexions-System NRS18

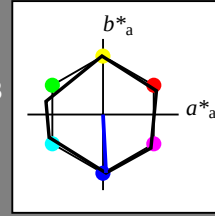
fr Buntton $h^* = \text{lab}^*h = 273/360 = 0.758$ lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 77 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0
relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*trj 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 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 76.07 0.0 0.0
LAB*LABc 76.07 0.0 0.0
relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*nch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*trj 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 66.38 0.0 0.0
LAB*LABa 66.38 0.0 0.0
LAB*LABb 66.38 0.0 0.0
LAB*LABc 66.38 0.0 0.0
relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*trj 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* 0.25 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 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 56.72 0.0 0.0
LAB*LABc 56.72 0.0 0.0
relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trj 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 37.37 0.0 0.0
LAB*LABc 37.37 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 9.01 0.0 0.0
LAB*LABa 9.01 0.0 0.0
LAB*LABb 9.01 0.0 0.0
LAB*LABc 9.01 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 4.50 0.0 0.0
LAB*LABa 4.50 0.0 0.0
LAB*LABb 4.50 0.0 0.0
LAB*LABc 4.50 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 2.25 0.0 0.0
LAB*LABa 2.25 0.0 0.0
LAB*LABb 2.25 0.0 0.0
LAB*LABc 2.25 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 1.12 0.0 0.0
LAB*LABa 1.12 0.0 0.0
LAB*LABb 1.12 0.0 0.0
LAB*LABc 1.12 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

 $n^* = 1,0$

NRS18; adaptierte CIELAB-Daten

 $L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$

RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

%Regelartitt

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

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 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 76.07 0.0 0.0
LAB*LABc 76.07 0.0 0.0
relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*nch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*trj 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 66.38 0.0 0.0
LAB*LABa 66.38 0.0 0.0
LAB*LABb 66.38 0.0 0.0
LAB*LABc 66.38 0.0 0.0
relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*trj 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* 0.25 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 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 56.72 0.0 0.0
LAB*LABc 56.72 0.0 0.0
relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trj 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 37.37 0.0 0.0
LAB*LABc 37.37 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 9.01 0.0 0.0
LAB*LABa 9.01 0.0 0.0
LAB*LABb 9.01 0.0 0.0
LAB*LABc 9.01 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 4.50 0.0 0.0
LAB*LABa 4.50 0.0 0.0
LAB*LABb 4.50 0.0 0.0
LAB*LABc 4.50 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 2.25 0.0 0.0
LAB*LABa 2.25 0.0 0.0
LAB*LABb 2.25 0.0 0.0
LAB*LABc 2.25 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0

 $n^* = 1,0$

TG400-7, 5 stufige Reihen fr konstanten CIELAB Buntton 273/360 = 0.757 (links)

5 stufige Reihen fr konstanten CIELAB Buntton 273/360 = 0.758 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 273/360 = 0.757$

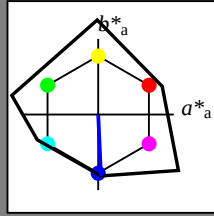
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 273/360 = 0.757$

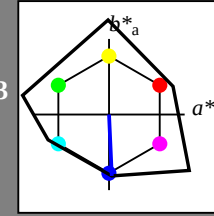
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

1,00

0,75

%Regularität

$g^*_{H,rel} = 46$

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (links)

5 stufige Reihen für konstanten CIELAB Buntton 273/360 = 0.757 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 273/360 = 0.757$

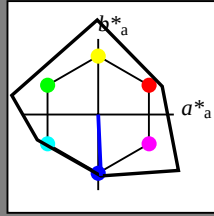
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $273/360 = 0.757$ (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 273/360 = 0.757$

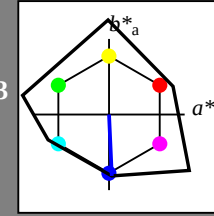
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton $273/360 = 0.757$ (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

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

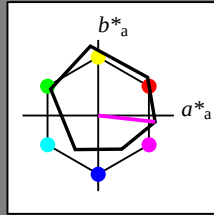
lab^*ch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

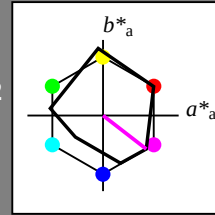
lab^*ch und lab^*nch

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

%Regularität

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

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

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
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

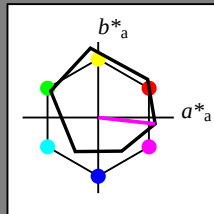
für Buntton $h^* = lab^*h = 354/360 = 0.982$ lab^*ch und lab^*nch

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

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

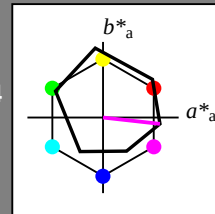
für Buntton $h^* = lab^*h = 354/360 = 0.982$ lab^*ch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

%Regularität

%Regularität

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

relative Buntheit c^*

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

Eingabe: Farbmetrisches Reflexions-System ORS18

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

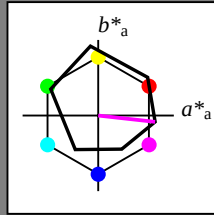
lab^*ch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

↑

↓

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

↑

↓

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
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

1,00

0,75

0,50

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

↑

↓

0,25

0,50

0,75

1,00

↑

↓

0,25

0,50

0,75

1,00

↑

↓

Schwarzheit n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

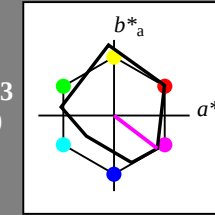
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

1,00

↑

↓

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

↑

↓

0,25

0,50

0,75

1,00

↑

↓

0,25

0,50

0,75

1,00

↑

↓

$n^* = 1,0$

%Regularität

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

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

1,00

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

↑

↓

0,25

0,50

0,75

1,00

↑

↓

0,25

0,50

0,75

1,00

↑

↓

Schwarzheit n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

MRS18a; adaptierte CIELAB-Daten

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

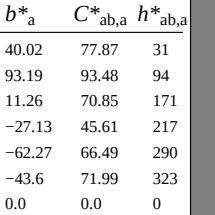
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

1,00

↑

↓

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

↑

↓

0,25

0,50

0,75

1,00

↑

↓

0,25

0,50

0,75

1,00

↑

↓

$n^* = 1,0$

%Regularität

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

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

1,00

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

Eingabe: Farbmetrisches Reflexions-System ORS18

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

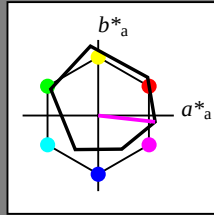
lab^*ch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

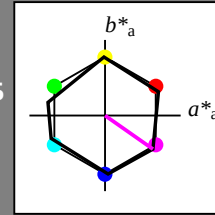
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

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

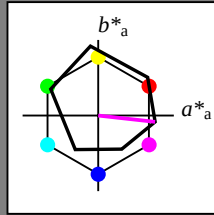
lab^*tch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

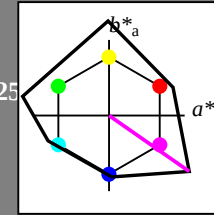
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,50$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmimetrisches Reflexions-System ORS18

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

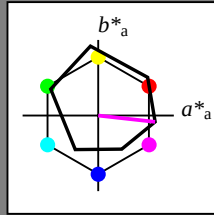
lab^*ch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

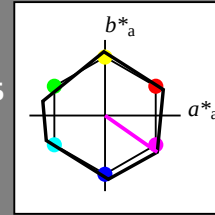
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 0,50$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

5 stufige Reihen für konstanten CIELAB Buntton $325/360 = 0.903$ (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

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

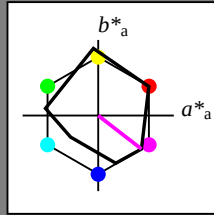
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

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

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System ORS18

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

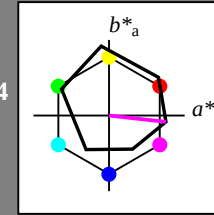
lab^*ch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%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
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^*

relative Buntheit c^*

$n^* = 0,50$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (links)

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

Eingabe: Farbmetrisches Reflexions-System MRS18

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

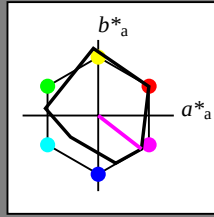
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

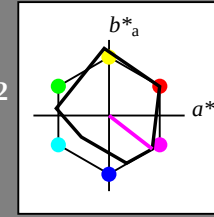
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (links)

5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

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

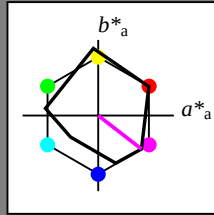
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 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
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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

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

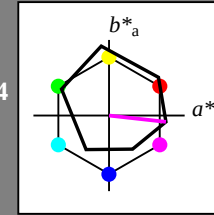
lab^*ch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



TRS18; 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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

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

Eingabe: Farbmetrisches Reflexions-System MRS18

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

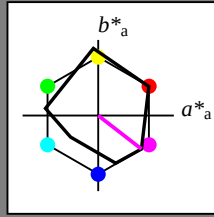
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

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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

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

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

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

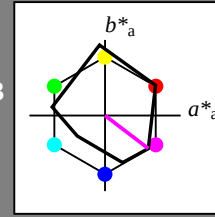
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

1,00

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MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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
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

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

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

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1,00

$n^* = 1,0$

relative Buntheit c^*

0,25

0,50

0,75

1,00

↑

1,00

↑

$n^* = 1,0$

relative Buntheit c^*

0,25

0,50

0,75

1,00

↑

1,00

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$n^* = 1,0$

relative Buntheit c^*

0,25

0,50

0,75

1,00

↑

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$n^* = 1,0$

relative Buntheit c^*

0,25

0,50

0,75

1,00

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1,00

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$n^* = 1,0$

relative Buntheit c^*

0,25

0,50

0,75

1,00

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1,00

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$n^* = 1,0$

relative Buntheit c^*

0,25

0,50

0,75

1,00

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1,00

↑

$n^* = 1,0$

relative Buntheit c^*

0,25

0,50

0,75

1,00

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1,00

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$n^* = 1,0$

relative Buntheit c^*

0,25

0,50

0,75

1,00

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1,00

↑

$n^* = 1,0$

relative Buntheit c^*

0,25

0,50

0,75

1,00

Eingabe: Farbmetrisches Reflexions-System MRS18

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

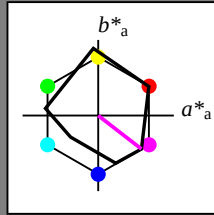
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

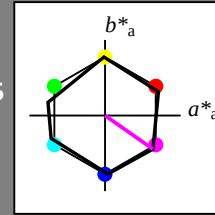
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

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

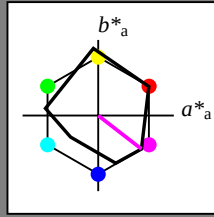
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

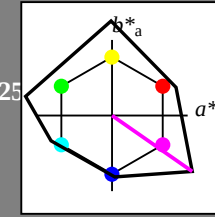
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

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

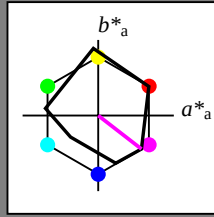
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

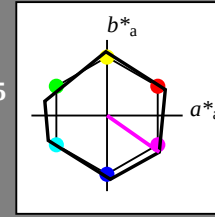
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

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

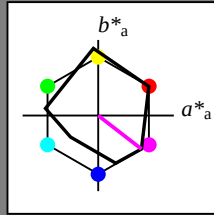
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

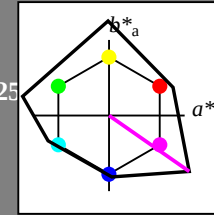
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmetrisches Reflexions-System TRS18

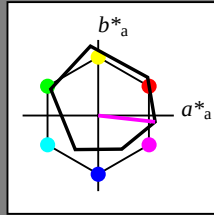
für Buntton $h^* = lab^*h = 354/360 = 0.982$ lab^*tch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

1,00

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TRS18; 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

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

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Ausgabe: Farbmetrisches Reflexions-System ORS18

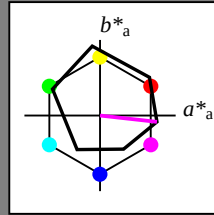
für Buntton $h^* = lab^*h = 354/360 = 0.982$ lab^*tch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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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

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

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 $n^* = 1,0$

0,25

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0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

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

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

Eingabe: Farbmetrisches Reflexions-System TRS18

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

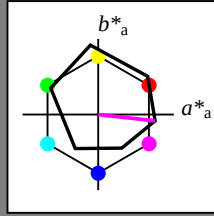
lab^*tch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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TRS18; 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

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

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

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

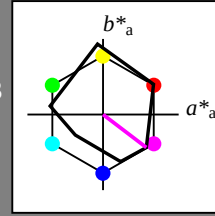
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

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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

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

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

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

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

Eingabe: Farbmimetrisches Reflexions-System TRS18

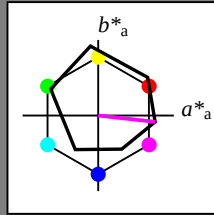
für Buntton $h^* = lab^*h = 354/360 = 0.982$ lab^*ch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

TRS18; 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

%Regulartät

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $354/360 = 0.982$ (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS18

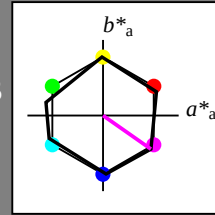
für Buntton $h^* = lab^*h = 325/360 = 0.903$ lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

 $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $325/360 = 0.903$ (rechts)

NRS18; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
CMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
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

%Regulartät

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

Eingabe: Farbmetrisches Reflexions-System TRS18

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

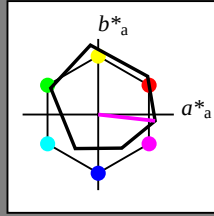
lab^*tch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

TRS18; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

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

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

1,00

0,75

0,25

0,00

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

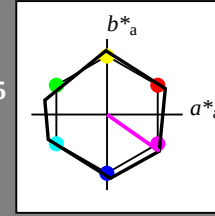
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

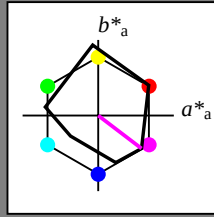
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

1,00

0,75

0,50

0,25

0,00

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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

0,50

0,25

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Ausgabe: Farbmetrisches Reflexions-System ORS18

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

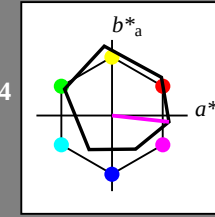
lab^*tch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

0,75

0,50

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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
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

0,50

0,25

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0,00

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1,00

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0,25

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0,00

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 323/360 = 0.896 (links)

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

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

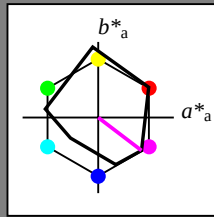
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

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
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^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

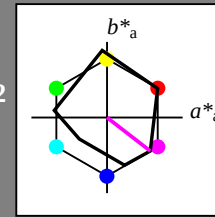
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

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

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (rechts)

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 323/360 = 0.896 (links)

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

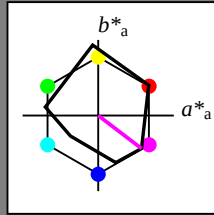
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

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
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

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System TRS18

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

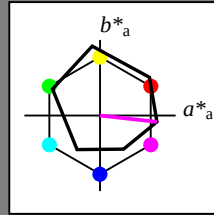
lab^*ch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

TRS18; 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

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 323/360 = 0.896 (links)

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

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

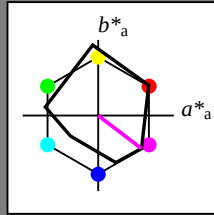
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

1,00

↑

0,75

0,50

0,25

0,00

↓

0,25

0,50

0,75

1,00

↑

0,25

0,50

0,75

1,00

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0,25

0,50

0,75

1,00

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0,25

0,50

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1,00

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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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
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

0,50

0,25

0,00

↓

0,25

0,50

0,75

1,00

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0,25

0,50

0,75

1,00

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0,25

0,50

0,75

1,00

↓

0,25

0,50

0,75

1,00

Schwarzheit n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

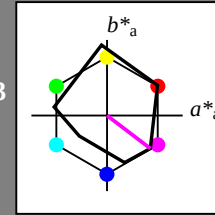
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

1,00

↑

0,75

0,50

0,25

0,00

↓

0,25

0,50

0,75

1,00

↑

0,25

0,50

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1,00

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1,00

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0,25

0,50

0,75

1,00

↑

0,25

0,50

0,75

1,00

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.06 0.0 0.0

LAB*LABa 76.06 0.0 0.0

LAB*LABb 76.06 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.71 0.0 0.0

LAB*LABa 56.71 0.0 0.0

LAB*LABb 56.71 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 37.36 0.0 0.0

LAB*LABa 37.36 0.0 0.0

LAB*LABb 37.36 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 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 25.0 0.0 0.0

LAB*LABa 25.0 0.0 0.0

LAB*LABb 25.0 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 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 18.02 0.0 0.0

LAB*LABa 18.02 0.0 0.0

LAB*LABb 18.02 0.0 0.0

relative CIELAB lab*

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

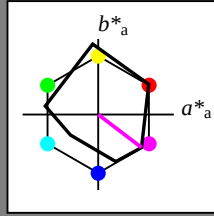
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%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
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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

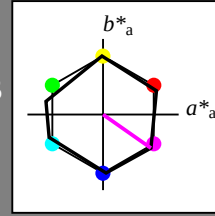
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 323/360 = 0.896 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

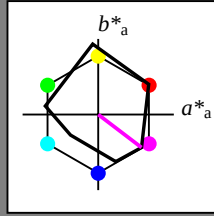
lab^*tch und lab^*nch

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
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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

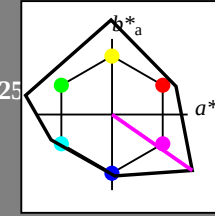
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



NCS18; adaptierte CIELAB-Daten					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

$n^* = 0,00$

$n^* = 0,25$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,50$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 323/360 = 0.896 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

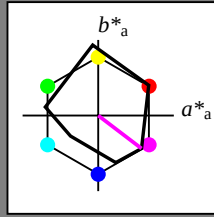
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

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
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^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

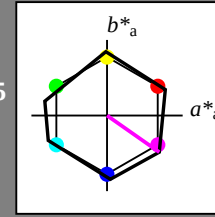
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 323/360 = 0.896 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

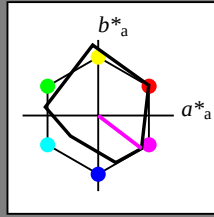
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

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
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^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 323/360 = 0.896 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

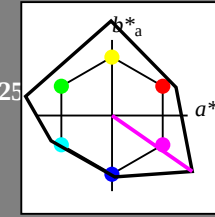
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

%Regularität

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

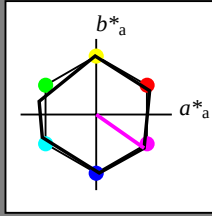
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System ORS18

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

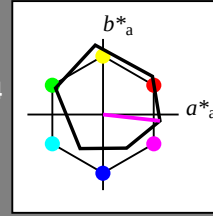
lab^*tch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,50$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

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

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

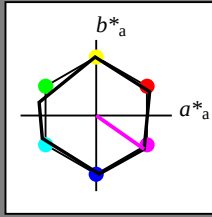
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

0,00

Schwarzheit n^*

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

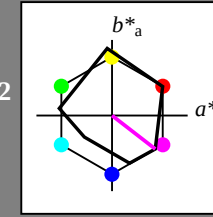
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

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	
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

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

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

1,00

0,75

0,25

0,00

Schwarzheit n^*

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

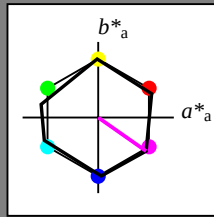
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 57 77 325

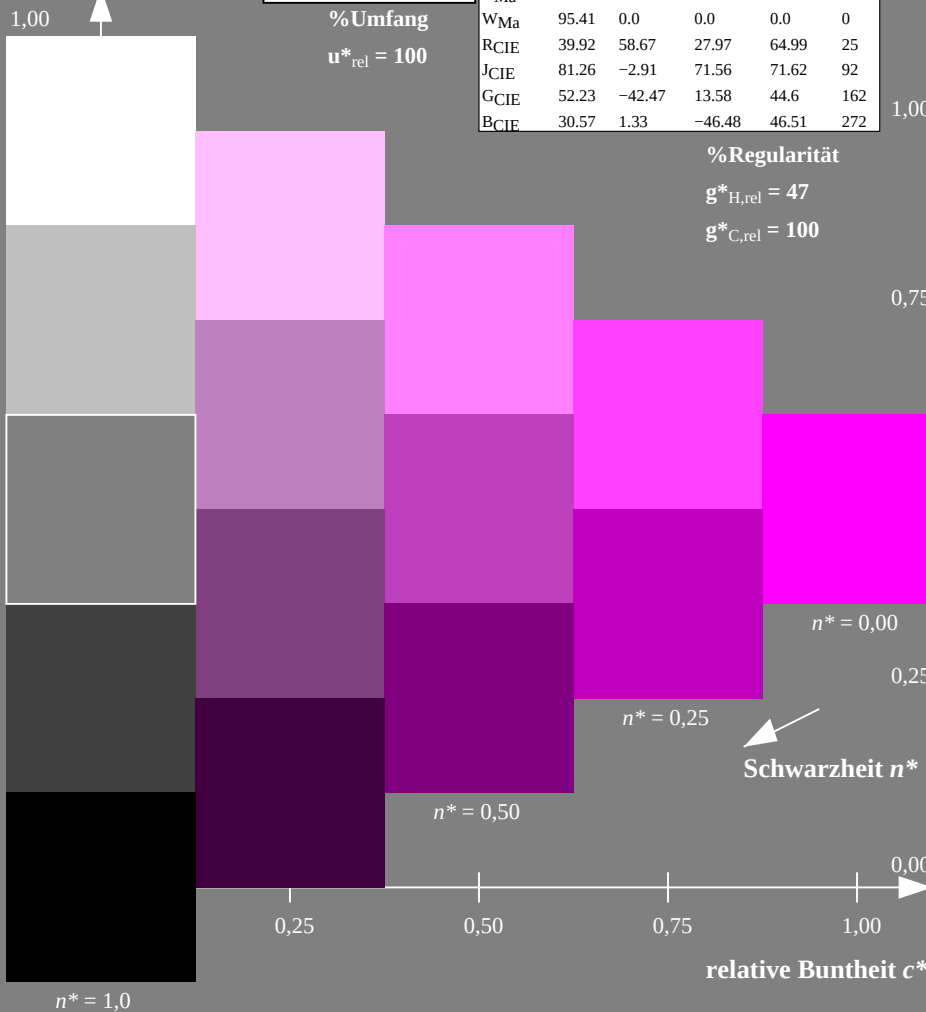
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$



TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $325/360 = 0.903$ (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

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

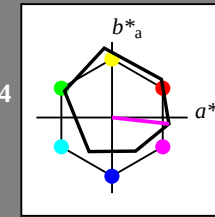
lab^*ch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

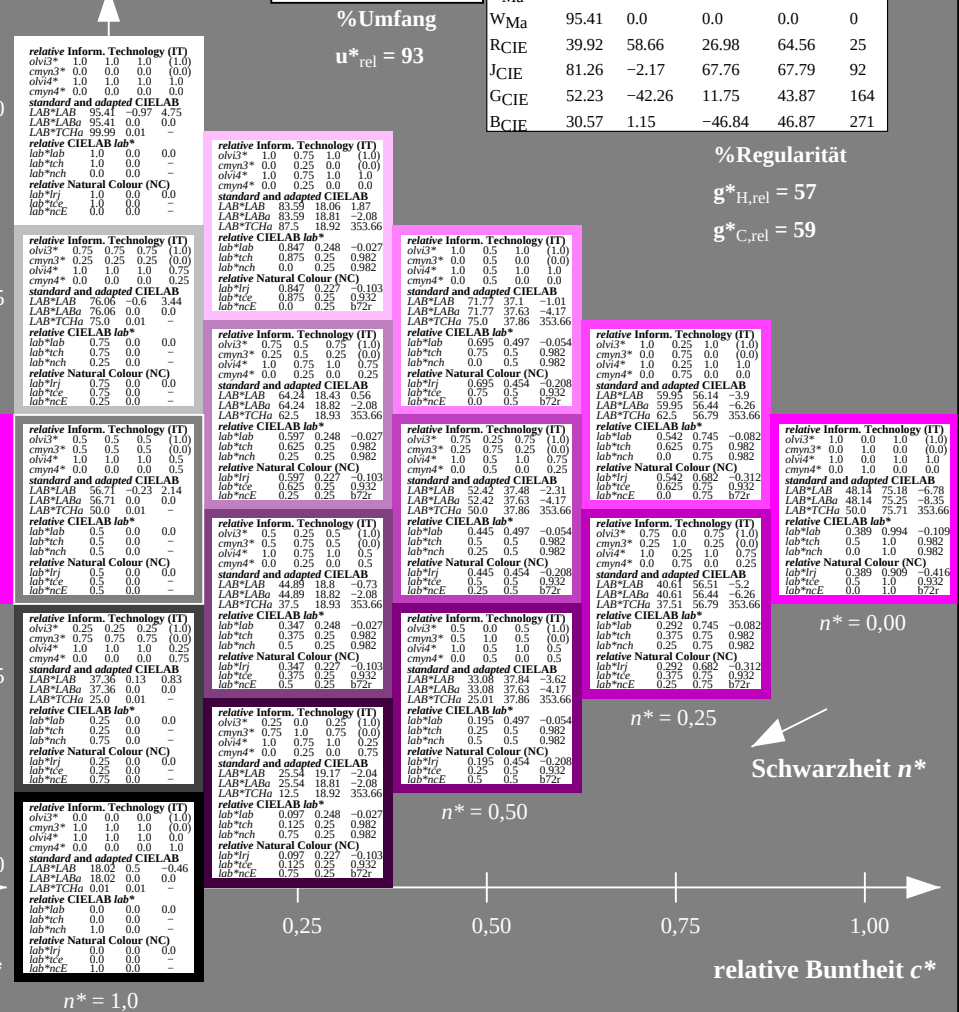
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$



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

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

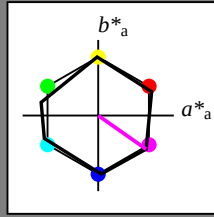
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

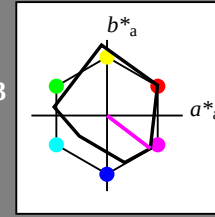
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

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
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
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^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

$n^* = 1,0$

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

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

Eingabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

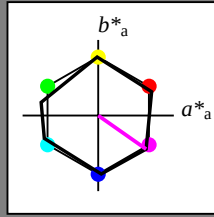
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

Ausgabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

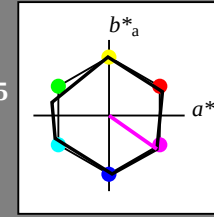
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

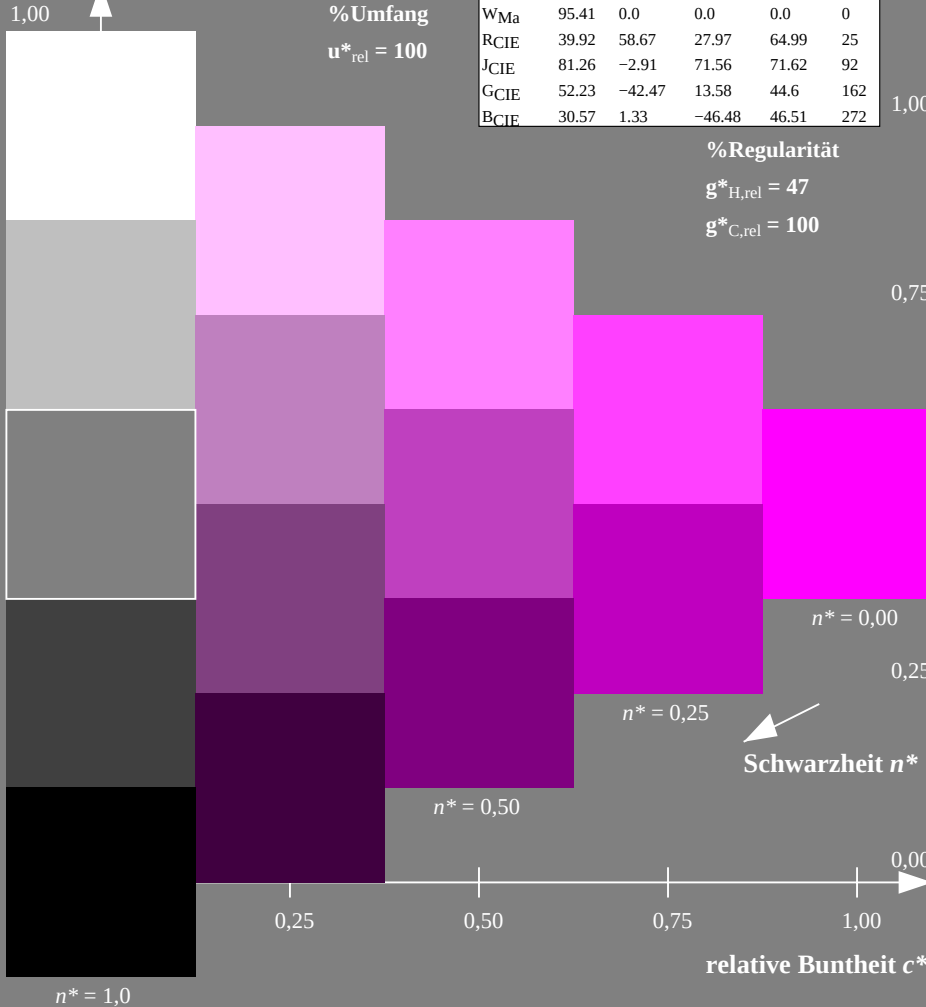
$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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	

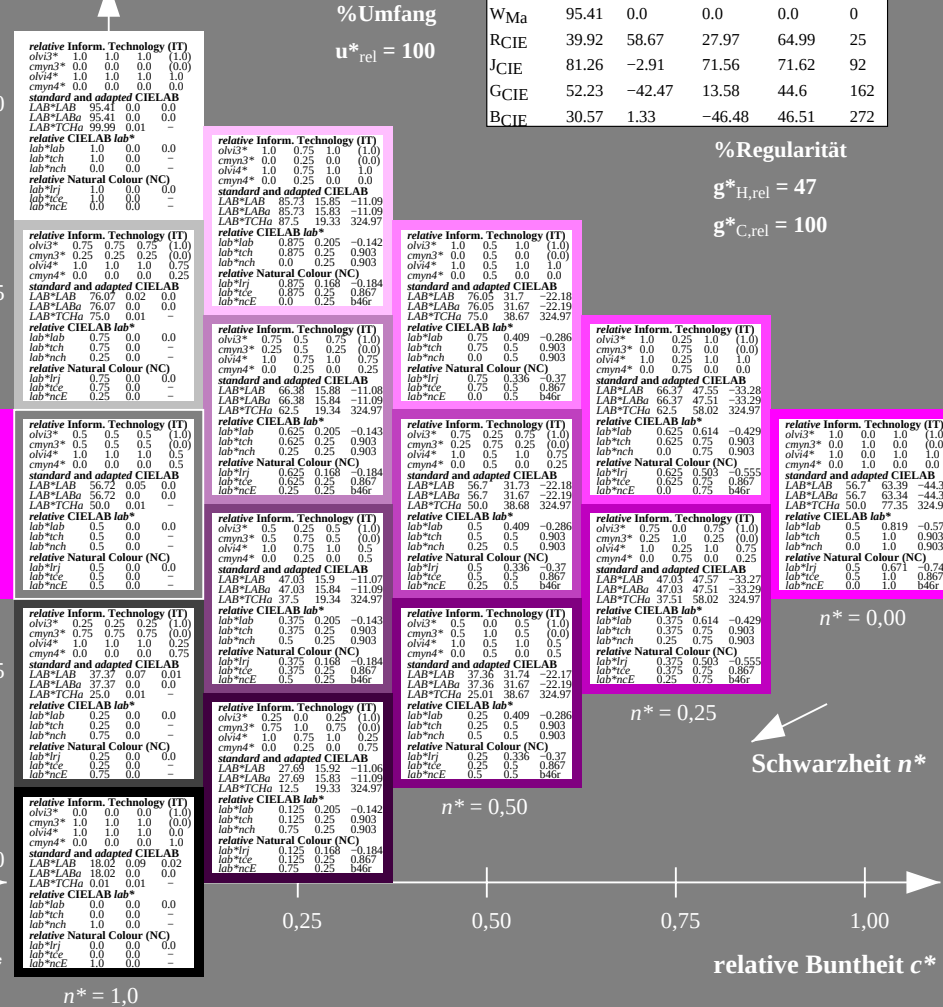
%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)



5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

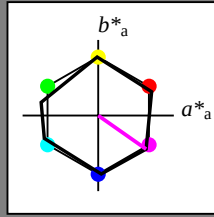
für Buntton $h^* = lab^*h = 325/360 = 0.903$ lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 57 77 325

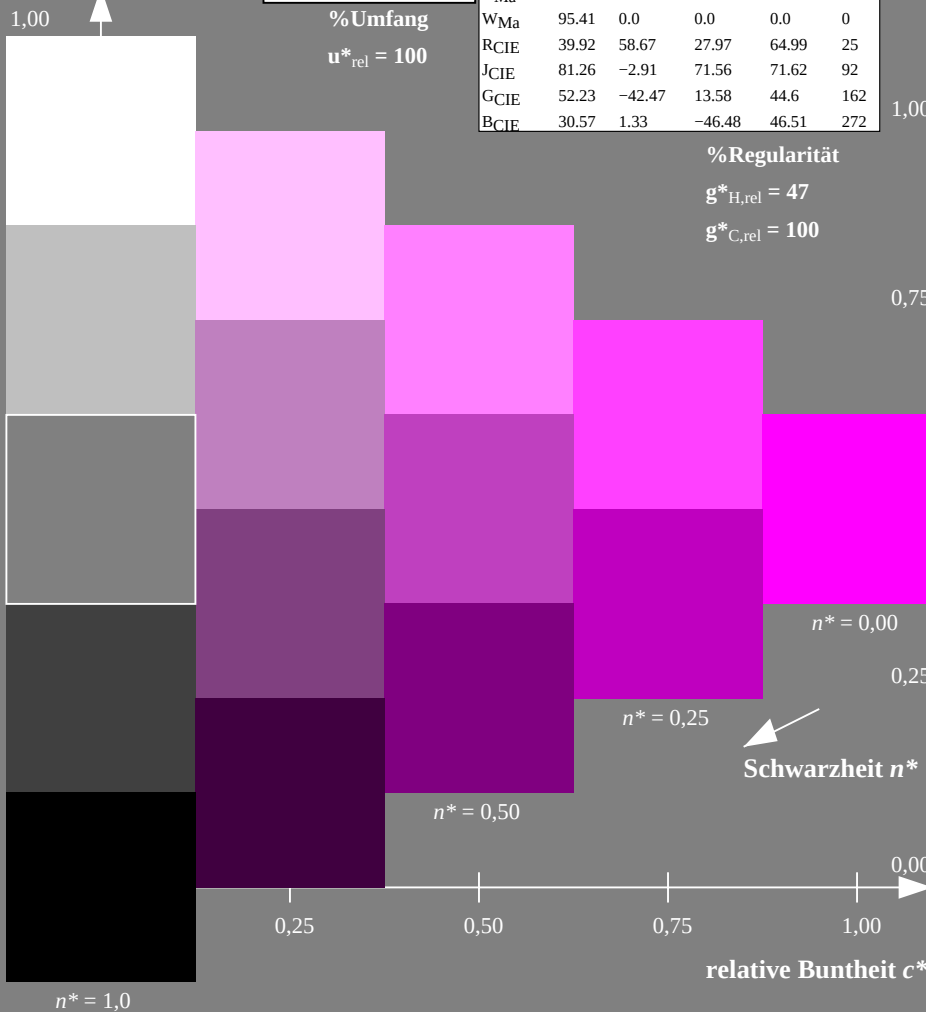
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$ 

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

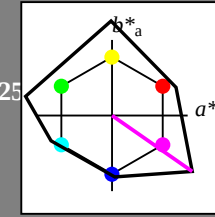
für Buntton $h^* = lab^*h = 325/360 = 0.903$ lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

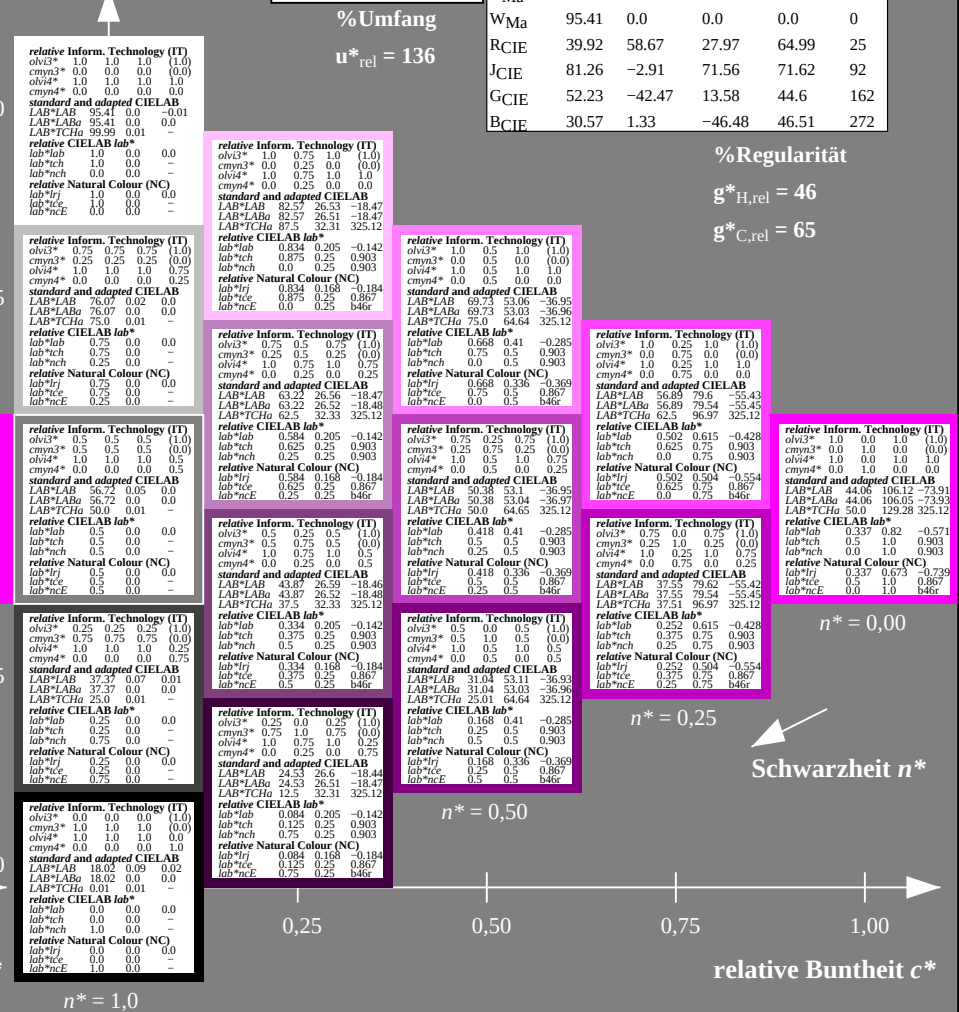
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$ 

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

5 stufige Reihen für konstanten CIELAB Buntton $325/360 = 0.903$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

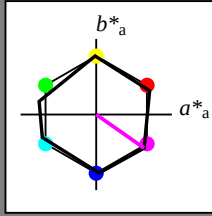
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

Ausgabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

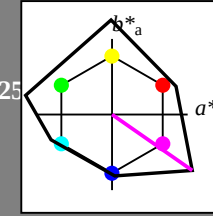
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

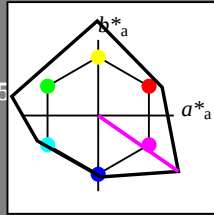
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

%Regulartät

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System ORS18

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

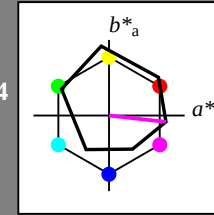
lab^*ch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	0.0	
LAB*LABb	95.41	0.0	0.0	0.0	
LAB*LABc	95.41	0.0	0.0	0.0	
LAB*LABd	95.41	0.0	0.0	0.0	
LAB*LABe	95.41	0.0	0.0	0.0	
LAB*LABf	95.41	0.0	0.0	0.0	
LAB*LABg	95.41	0.0	0.0	0.0	
LAB*LABh	95.41	0.0	0.0	0.0	
LAB*LABi	95.41	0.0	0.0	0.0	
LAB*LABj	95.41	0.0	0.0	0.0	
LAB*LABk	95.41	0.0	0.0	0.0	
LAB*LABl	95.41	0.0	0.0	0.0	
LAB*LABm	95.41	0.0	0.0	0.0	
LAB*LABn	95.41	0.0	0.0	0.0	
LAB*LABo	95.41	0.0	0.0	0.0	
LAB*LABp	95.41	0.0	0.0	0.0	
LAB*LABq	95.41	0.0	0.0	0.0	
LAB*LABr	95.41	0.0	0.0	0.0	
LAB*LABs	95.41	0.0	0.0	0.0	
LAB*LABt	95.41	0.0	0.0	0.0	
LAB*LABu	95.41	0.0	0.0	0.0	
LAB*LABv	95.41	0.0	0.0	0.0	
LAB*LABw	95.41	0.0	0.0	0.0	
LAB*LABx	95.41	0.0	0.0	0.0	
LAB*LABy	95.41	0.0	0.0	0.0	
LAB*LABz	95.41	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	0.0	0.0	0.0	
LAB*LABa	76.06	0.0	0.0	0.0	
LAB*LABb	76.06	0.0	0.0	0.0	
LAB*LABc	76.06	0.0	0.0	0.0	
LAB*LABd	76.06	0.0	0.0	0.0	
LAB*LABe	76.06	0.0	0.0	0.0	
LAB*LABf	76.06	0.0	0.0	0.0	
LAB*LABg	76.06	0.0	0.0	0.0	
LAB*LABh	76.06	0.0	0.0	0.0	
LAB*LABi	76.06	0.0	0.0	0.0	
LAB*LABj	76.06	0.0	0.0	0.0	
LAB*LABk	76.06	0.0	0.0	0.0	
LAB*LABl	76.06	0.0	0.0	0.0	
LAB*LABm	76.06	0.0	0.0	0.0	
LAB*LABn	76.06	0.0	0.0	0.0	
LAB*LABo	76.06	0.0	0.0	0.0	
LAB*LABp	76.06	0.0	0.0	0.0	
LAB*LABq	76.06	0.0	0.0	0.0	
LAB*LABr	76.06	0.0	0.0	0.0	
LAB*LABs	76.06	0.0	0.0	0.0	
LAB*LABt	76.06	0.0	0.0	0.0	
LAB*LABu	76.06	0.0	0.0	0.0	
LAB*LABv	76.06	0.0	0.0	0.0	
LAB*LABw	76.06	0.0	0.0	0.0	
LAB*LABx	76.06	0.0	0.0	0.0	
LAB*LABy	76.06	0.0	0.0	0.0	
LAB*LABz	76.06	0.0	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	64.24	0.0	0.0	0.0	
LAB*LABa	64.24	0.0	0.0	0.0	
LAB*LABb	64.24	0.0	0.0	0.0	
LAB*LABc	64.24	0.0	0.0	0.0	
LAB*LABd	64.24	0.0	0.0	0.0	
LAB*LABe	64.24	0.0	0.0	0.0	
LAB*LABf	64.24	0.0	0.0	0.0	
LAB*LABg	64.24	0.0	0.0	0.0	
LAB*LABh	64.24	0.0	0.0	0.0	
LAB*LABi	64.24	0.0	0.0	0.0	
LAB*LABj	64.24	0.0	0.0	0.0	
LAB*LABk	64.24	0.0	0.0	0.0	
LAB*LABl	64.24	0.0	0.0	0.0	
LAB*LABm	64.24	0.0	0.0	0.0	
LAB*LABn	64.24	0.0	0.0	0.0	
LAB*LABo	64.24	0.0	0.0	0.0	
LAB*LABp	64.24	0.0	0.0	0.0	
LAB*LABq	64.24	0.0	0.0	0.0	
LAB*LABr	64.24	0.0	0.0	0.0	
LAB*LABs	64.24	0.0	0.0	0.0	
LAB*LABt	64.24	0.0	0.0	0.0	
LAB*LABu	64.24	0.0	0.0	0.0	
LAB*LABv	64.24	0.0	0.0	0.0	
LAB*LABw	64.24	0.0	0.0	0.0	
LAB*LABx	64.24	0.0	0.0	0.0	
LAB*LABy	64.24	0.0	0.0	0.0	
LAB*LABz	64.24	0.0	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	56.71	0.0	0.0	0.0	
LAB*LABa	56.71	0.0	0.0	0.0	
LAB*LABb	56.71	0.0	0.0	0.0	
LAB*LABc	56.71	0.0	0.0	0.0	
LAB*LABd	56.71	0.0	0.0	0.0	
LAB*LABe	56.71	0.0	0.0	0.0	
LAB*LABf	56.71	0.0	0.0	0.0	
LAB*LABg	56.71	0.0	0.0	0.0	
LAB*LABh	56.71	0.0	0.0	0.0	
LAB*LABi	56.71	0.0	0.0	0.0	
LAB*LABj	56.71	0.0	0.0	0.0	
LAB*LABk	56.71	0.0	0.0	0.0	
LAB*LABl	56.71	0.0	0.0	0.0	
LAB*LABm	56.71	0.0	0.0	0.0	
LAB*LABn	56.71	0.0	0.0	0.0	
LAB*LABo	56.71	0.0	0.0	0.0	
LAB*LABp	56.71	0.0	0.0	0.0	
LAB*LABq	56.71	0.0	0.0	0.0	
LAB*LABr	56.71	0.0	0.0	0.0	
LAB*LABs	56.71	0.0	0.0	0.0	
LAB*LABt	56.71	0.0	0.0	0.0	
LAB*LABu	56.71	0.0	0.0	0.0	
LAB*LABv	56.71	0.0	0.0	0.0	
LAB*LABw	56.71	0.0	0.0	0.0	
LAB*LABx	56.71	0.0	0.0	0.0	
LAB*LABy	56.71	0.0	0.0	0.0	
LAB*LABz	56.71	0.0	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	44.89	0.0	0.0	0.0	
LAB*LABa	44.89	0.0	0.0	0.0	
LAB*LABb	44.89	0.0	0.0	0.0	
LAB*LABc	44.89	0.0	0.0	0.0	
LAB*LABd	44.89	0.0	0.0	0.0	
LAB*LABe	44.89	0.0	0.0	0.0	
LAB*LABf	44.89	0.0	0.0	0.0	
LAB*LABg	44.89	0.0	0.0	0.0	
LAB*LABh	44.89	0.0	0.0	0.0	
LAB*LABi	44.89	0.0	0.0	0.0	
LAB*LABj	44.89	0.0	0.0	0.0	
LAB*LABk	44.89	0.0	0.0	0.0	
LAB*LABl	44.89	0.0	0.0	0.0	
LAB*LABm	44.89	0.0	0.0	0.0	
LAB*LABn	44.89	0.0	0.0	0.0	
LAB*LABo	44.89	0.0	0.0	0.0	
LAB*LABp	44.89	0.0	0.0	0.0	
LAB*LABq	44.89	0.0	0.0	0.0	
LAB*LABr	44.89	0.0	0.0	0.0	
LAB*LABs	44.89	0.0	0.0	0.0	
LAB*LABt	44.89	0.0	0.0	0.0	
LAB*LABu	44.89	0.0	0.0	0.0	
LAB*LABv	44.89	0.0	0.0	0.0	
LAB*LABw	44.89	0.0	0.0	0.0	
LAB*LABx	44.89	0.0	0.0	0.0	
LAB*LABy	44.89	0.0	0.0	0.0	
LAB*LABz	44.89	0.0	0.0	0.0	

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	0.25
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	
LAB*LABa	37.36	0.0	0.0	
LAB*LABb	25.0	0.01	-	

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

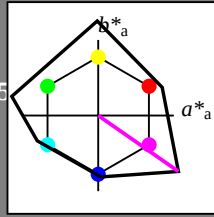
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18

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

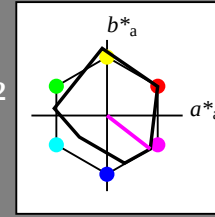
lab^*ch und lab^*nch

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

%Regularität

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

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

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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

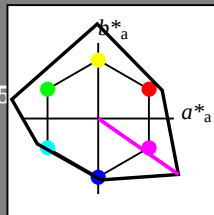
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System TRS18

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

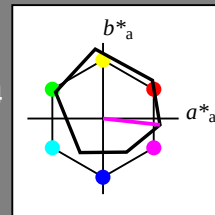
lab^*ch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

TRS18; 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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

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

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

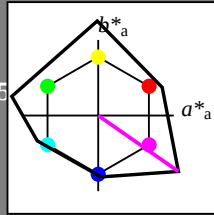
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

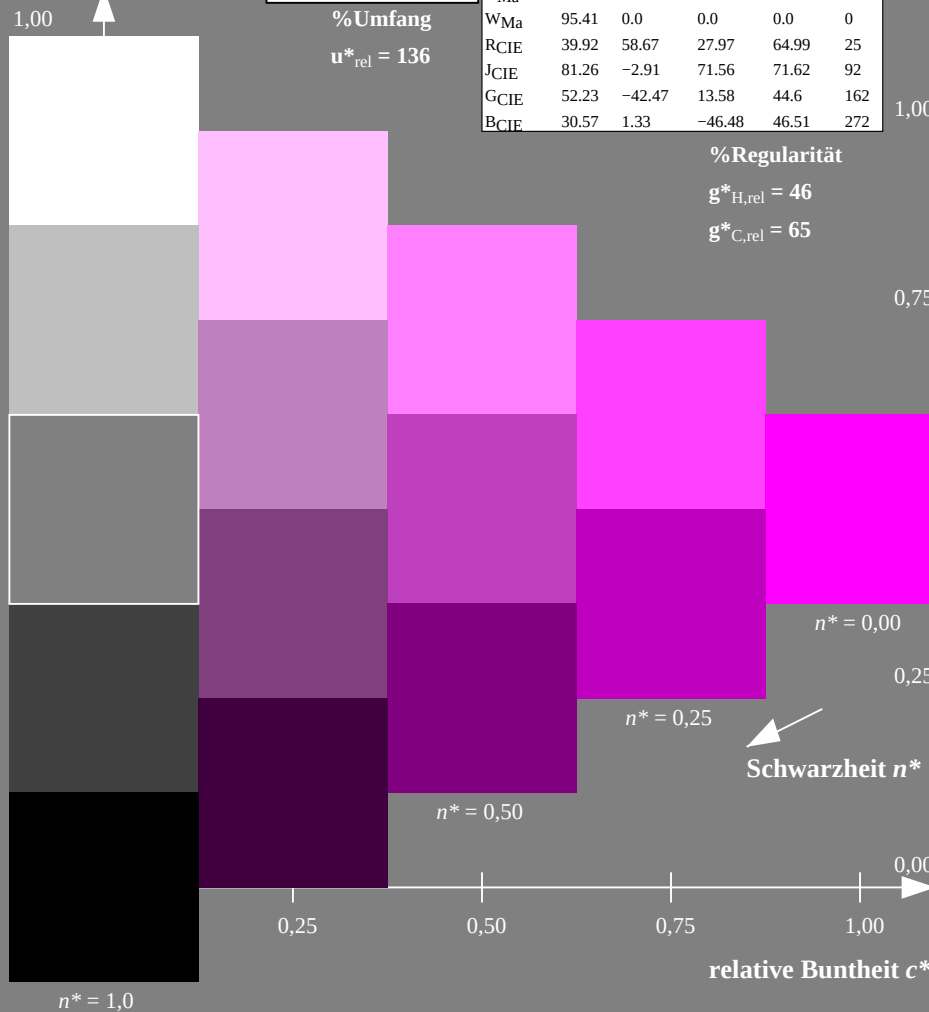
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$



TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18a

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

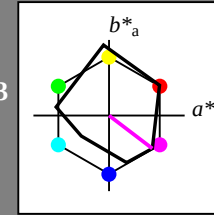
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 323

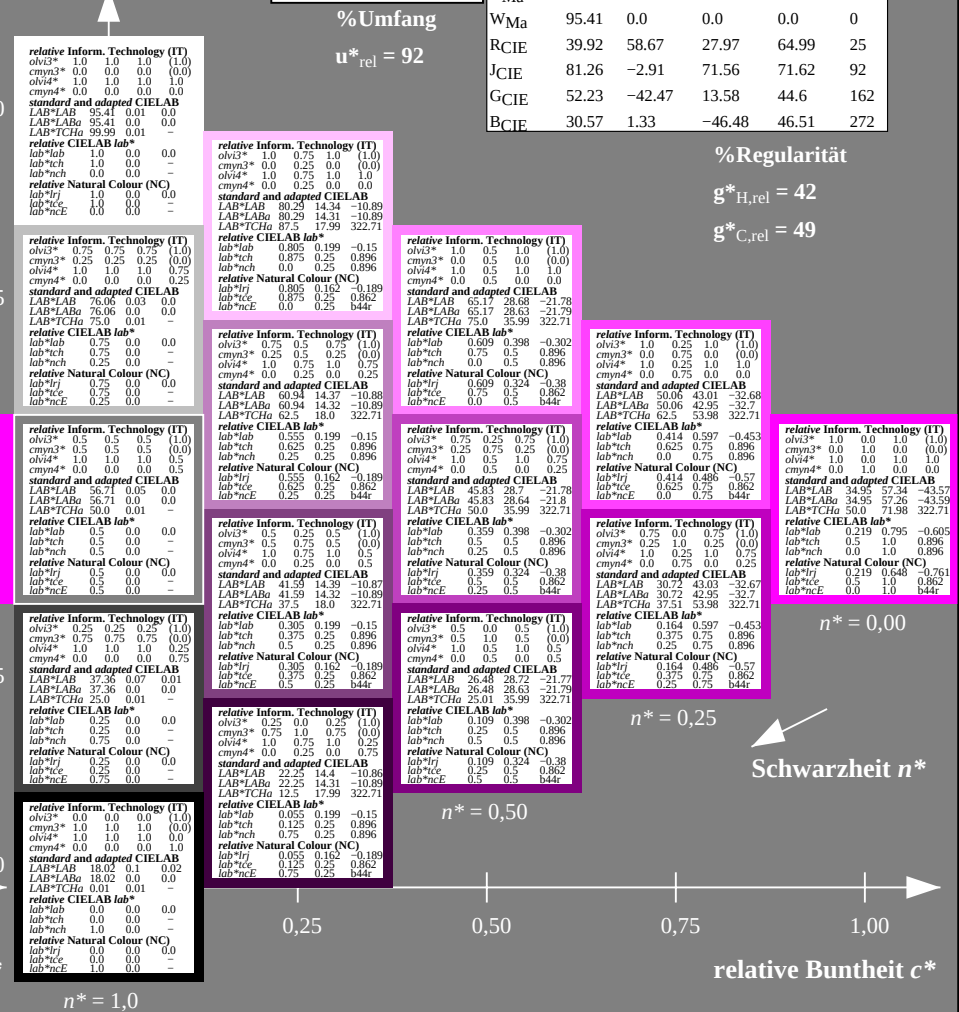
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$



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

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0		
LAB*LABa	95.41	0.0	0.0		
LAB*TC _{Ha}	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	0.0		
LAB*LABa	76.06	0.0	0.0		
LAB*TC _{Ha}	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	0.0		
LAB*LABa	56.71	0.0	0.0		
LAB*TC _{Ha}	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.01	0.0		
LAB*LABa	37.36	0.01	0.0		
LAB*TC _{Ha}	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	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	22.25	0.01	0.0		
LAB*LABa	22.25	0.01	0.0		
LAB*TC _{Ha}	12.5	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	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	18.02	0.01	0.0		
LAB*LABa	18.02	0.01	0.0		
LAB*TC _{Ha}	10.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	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	12.5	0.01	0.0		
LAB*LABa	12.5	0.01	0.0		
LAB*TC _{Ha}	7.5	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	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	7.5	0.01	0.0		
LAB*LABa	7.5	0.01	0.0		
LAB*TC _{Ha}	5.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	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	5.0	0.01	0.0		
LAB*LABa	5.0	0.01	0.0		
LAB*TC _{Ha}	3.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	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	3.0	0.01	0.0		
LAB*LABa	3.0	0.01	0.0		
LAB*TC _{Ha}	2.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

MRS18a; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
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
b	GCIE	52.23	-42.47	13.58	44.6	162
	BCIE	30.57	1.33	-46.48	46.51	272

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

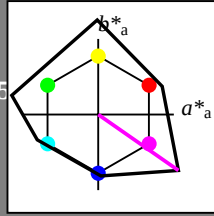
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

1,00

↑

1,00

↑

1,00

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1,00

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1,00

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

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Ausgabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

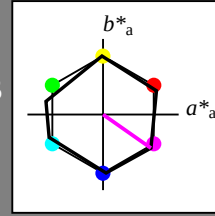
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

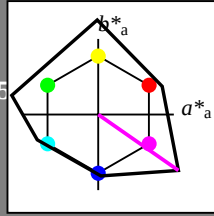
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



NCS18; adaptierte CIELAB-Daten					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

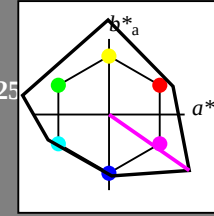
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



NCS18; adaptierte CIELAB-Daten					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS18

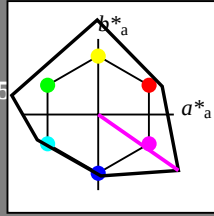
für Buntton $h^* = lab^*h = 325/360 = 0.903$ lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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Ausgabe: Farbmimetrisches Reflexions-System NRS11

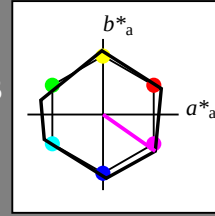
für Buntton $h^* = lab^*h = 325/360 = 0.903$ lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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 $n^* = 1,0$

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0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

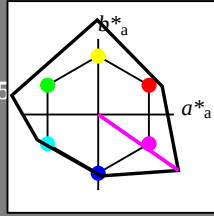
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

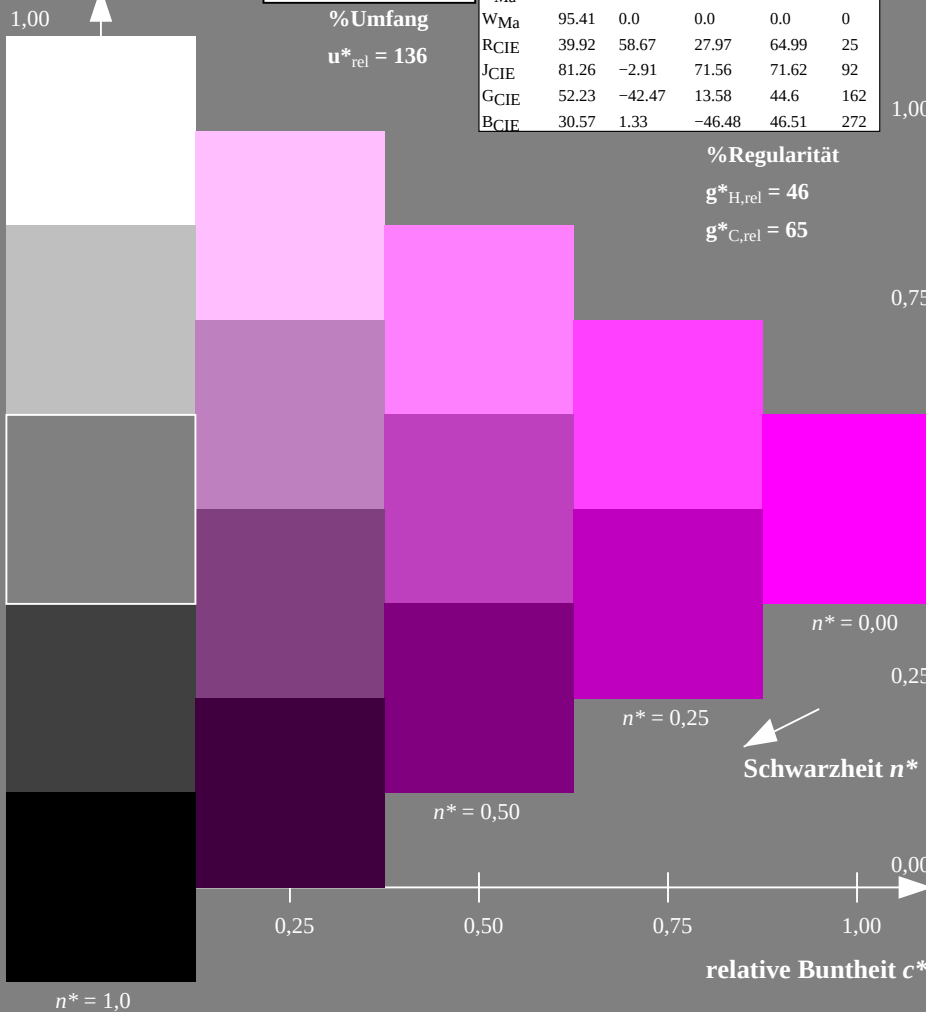
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$



%Regularität

$g^*_{H,rel} = 46$

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

Ausgabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

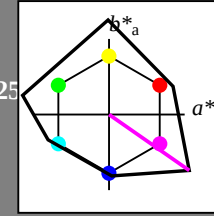
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

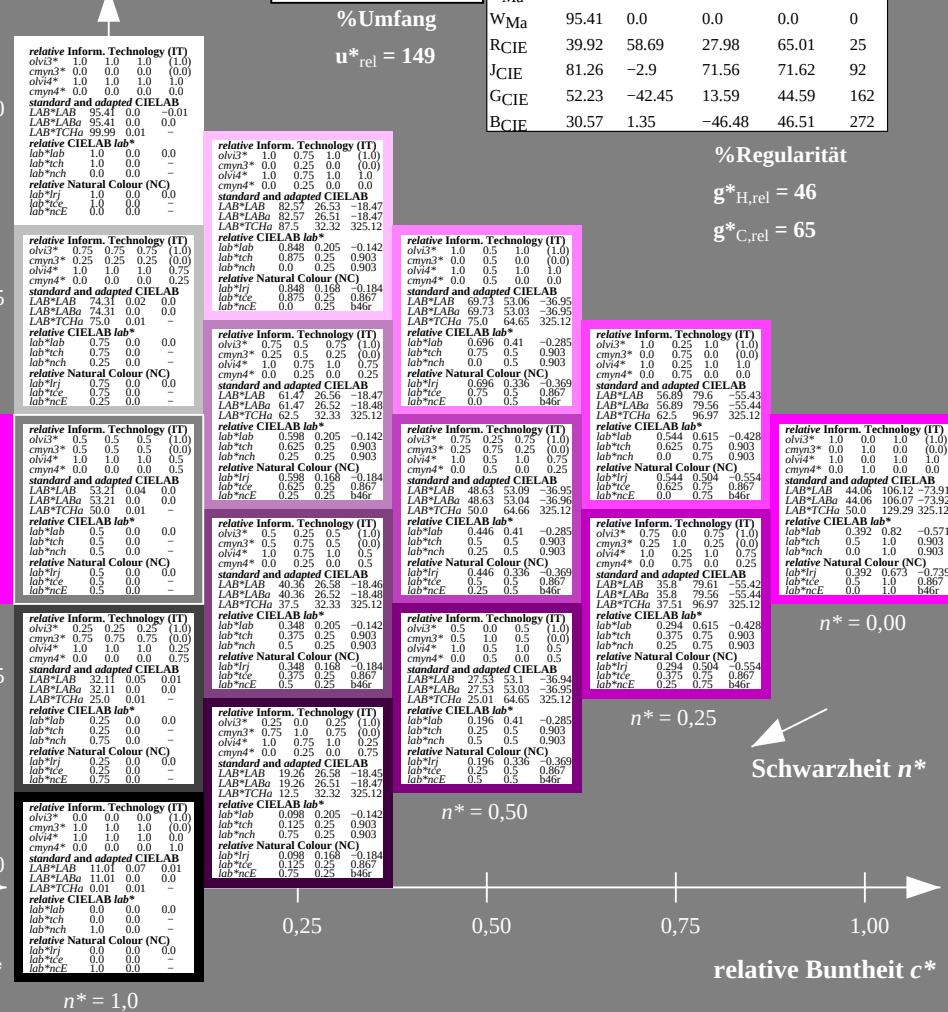
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$



%Regularität

$g^*_{H,rel} = 46$

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

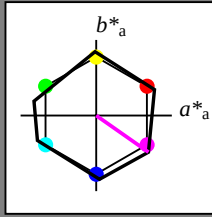
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System ORS18

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

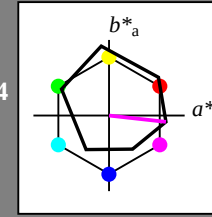
lab^*ch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%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
V _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	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^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

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

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

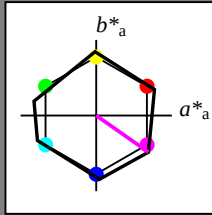
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

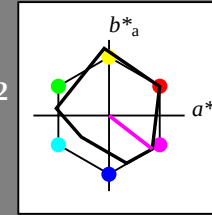
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

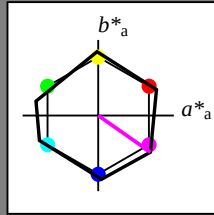
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System TRS18

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

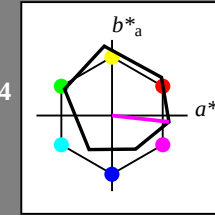
lab^*tch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

TRS18; 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

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

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

Eingabe: Farbmetrisches Reflexions-System NRS11

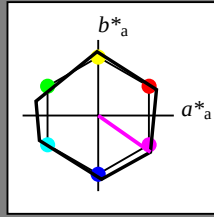
für Buntton $h^* = lab^*h = 325/360 = 0.903$ lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

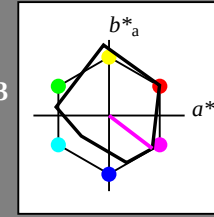
für Buntton $h^* = lab^*h = 323/360 = 0.896$ lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 92$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0		
LAB*LABa	95.41	0.0	0.0		
LAB*TCBa	99.99	0.01	-		

relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	0.0	0.0	(0.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	0.0		
LAB*LABa	76.06	0.0	0.0		
LAB*TCBa	75.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	0.0		
LAB*LABa	56.71	0.0	0.0		
LAB*TCBa	50.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.07	0.01		
LAB*LABa	37.36	0.0	0.0		
LAB*TCBa	25.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	0.0		
lab*nch	0.75	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.75	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.1	0.02		
LAB*LABa	18.02	0.0	0.0		
LAB*TCBa	0.01	0.01	-		

relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

 $n^* = 1,0$

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

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

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

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	1.0	(1.0)	
cmyn3*	0.0	0.25	0.0	(0.0)	
olvi4*	1.0	0.75	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	80.25	14.34	-10.89		
LAB*LABa	80.25	14.31	-10.89		
LAB*TCBa	87.5	17.99	322.71		

relative CIELAB lab*					
lab*lab	0.805	0.199	-0.15		
lab*ch	0.875	0.25	0.896		
lab*nch	0.0	0.25	0.896		
relative Natural Colour (NC)					
lab*trj	0.805	0.152	-0.189		
lab*nce	0.875	0.25	0.862		
lab*nce	0.0	0.25	0.862		

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	0.5	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	60.94	14.37	-10.88		
LAB*LABa	60.94	14.32	-10.89		
LAB*TCBa	62.5	18.0	322.71		

relative CIELAB lab*					
lab*lab	0.555	0.199	-0.15		
lab*ch	0.625	0.25	0.896		
lab*nch	0.25	0.25	0.896		
relative Natural Colour (NC)					
lab*trj	0.555	0.152	-0.189		
lab*nce	0.625	0.25	0.862		
lab*nce	0.25	0.25	0.862		

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.5	(1.0)	
cmyn3*	0.5	0.25	0.5	(0.0)	
olvi4*	1.0	0.25	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	45.83	29.7	-21.78		
LAB*LABa	45.83	28.64	-21.8		
LAB*TCBa	50.0	35.99	322.71		

relative CIELAB lab*					
lab*lab	0.359	0.398	-0.302		
lab*ch	0.5	0.5	0.896		
lab*nch	0.25	0.5	0.896		
relative Natural Colour (NC)					
lab*trj	0.359	0.324	-0.38		
lab*nce	0.5	0.5	0.862		
lab*nce	0.25	0.5	0.862		

relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.25	(1.0)	
cmyn3*	0.75	1.0	0.75	(0.0)	
olvi4*	1.0	0.75	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	22.25	14.4	-10.86		
LAB*LABa	22.25	14.31	-10.89		
LAB*TCBa	12.5	17.99	322.71		

relative CIELAB lab*					
lab*lab	0.055	0.199	-0.15		
lab*ch	0.125	0.25	0.896		
lab*nch	0.75	0.25	0.896		
relative Natural Colour (NC)					
lab*trj	0.055	0.152	-0.189		
lab*nce	0.125	0.25	0.862		
lab*nce	0.75	0.25	0.862		

	0,25
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Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

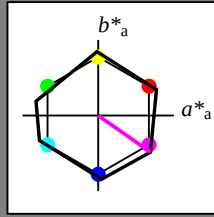
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

1,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

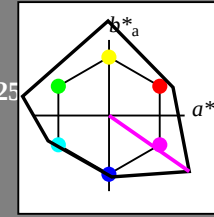
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

1,00

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0
relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*trj 1.0 0.0 0.0
lab*nch 0.0 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 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 76.07 0.0 0.0
LAB*LABc 76.07 0.0 0.0
relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*nch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*trj 0.75 0.0 0.0
lab*nch 0.25 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 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 56.72 0.0 0.0
LAB*LABc 56.72 0.0 0.0
relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*trj 0.5 0.0 0.0
lab*nch 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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 37.37 0.0 0.0
LAB*LABc 37.37 0.0 0.0
relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trj 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
lab*nch 0.25 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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
lab*nch 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
lab*nch 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
lab*nch 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 1.0 0.75 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.57 26.53 -18.47
LAB*LABa 82.57 26.53 -18.47
LAB*LABb 82.57 26.53 -18.47
LAB*LABc 82.57 26.53 -18.47
relative CIELAB lab*
lab*lab 0.834 0.205 -0.142
lab*lab 0.834 0.205 -0.142
lab*nch 0.0 0.25 0.903
lab*nch 0.0 0.25 0.903
relative Natural Colour (NC)
lab*trj 0.834 0.168 -0.184
lab*trj 0.834 0.168 -0.184
lab*nch 0.0 0.25 0.903
lab*nch 0.0 0.25 0.903

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 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.22 26.56 -18.47
LAB*LABa 63.22 26.56 -18.47
LAB*LABb 63.22 26.56 -18.47
LAB*LABc 63.22 26.56 -18.47
relative CIELAB lab*
lab*lab 0.584 0.205 -0.142
lab*lab 0.584 0.205 -0.142
lab*nch 0.25 0.5 0.903
lab*nch 0.25 0.5 0.903
relative Natural Colour (NC)
lab*trj 0.584 0.168 -0.184
lab*trj 0.584 0.168 -0.184
lab*nch 0.25 0.5 0.903
lab*nch 0.25 0.5 0.903

relative Inform. Technology (IT)

olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 43.87 26.52 -18.48
LAB*LABa 43.87 26.52 -18.48
LAB*LABb 43.87 26.52 -18.48
LAB*LABc 43.87 26.52 -18.48
relative CIELAB lab*
lab*lab 0.334 0.205 -0.142
lab*lab 0.334 0.205 -0.142
lab*nch 0.5 0.25 0.903
lab*nch 0.5 0.25 0.903
relative Natural Colour (NC)
lab*trj 0.334 0.168 -0.184
lab*trj 0.334 0.168 -0.184
lab*nch 0.5 0.25 0.903
lab*nch 0.5 0.25 0.903

relative Inform. Technology (IT)

olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 24.53 26.6 -18.44
LAB*LABa 24.53 26.6 -18.44
LAB*LABb 24.53 26.6 -18.44
LAB*LABc 24.53 26.6 -18.44
relative CIELAB lab*
lab*lab 0.084 0.205 -0.142
lab*lab 0.084 0.205 -0.142
lab*nch 0.75 0.25 0.903
lab*nch 0.75 0.25 0.903
relative Natural Colour (NC)
lab*trj 0.084 0.168 -0.184
lab*trj 0.084 0.168 -0.184
lab*nch 0.75 0.25 0.903
lab*nch 0.75 0.25 0.903

relative Inform. Technology (IT)

olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 24.53 26.6 -18.44
LAB*LABa 24.53 26.6 -18.44
LAB*LABb 24.53 26.6 -18.44
LAB*LABc 24.53 26.6 -18.44
relative CIELAB lab*
lab*lab 0.084 0.205 -0.142
lab*lab 0.084 0.205 -0.142
lab*nch 0.75 0.25 0.903
lab*nch 0.75 0.25 0.903
relative Natural Colour (NC)
lab*trj 0.084 0.168 -0.184
lab*trj 0.084 0.168 -0.184
lab*nch 0.75 0.25 0.903
lab*nch 0.75 0.25 0.903

relative Inform. Technology (IT)

olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 24.53 26.6 -18.44
LAB*LABa 24.53 26.6 -18.44
LAB*LABb 24.53 26.6 -18.44
LAB*LABc 24.53 26.6 -18.44
relative CIELAB lab*
lab*lab 0.084 0.205 -0.142
lab*lab 0.084 0.205 -0.142
lab*nch 0.75 0.25 0.903
lab*nch 0.75 0.25 0.903
relative Natural Colour (NC)
lab*trj 0.084 0.168 -0.184
lab*trj 0.084 0.168 -0.184
lab*nch 0.75 0.25 0.903
lab*nch 0.75 0.25 0.903

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 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.73 53.06 -36.95
LAB*LABa 69.73 53.06 -36.95
LAB*LABb 69.73 53.06 -36.95
LAB*LABc 69.73 53.06 -36.95
relative CIELAB lab*
lab*lab 0.668 0.41 -0.285
lab*lab 0.668 0.41 -0.285
lab*nch 0.0 0.5 0.903
lab*nch 0.0 0.5 0.903
relative Natural Colour (NC)
lab*trj 0.668 0.396 -0.369
lab*trj 0.668 0.396 -0.369
lab*nch 0.0 0.5 0.903
lab*nch 0.0 0.5 0.903

relative Inform. Technology (IT)

olvi3* 0.75 0.25 0.75 (1.0)
cmyn3* 0.25 0.75 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.38 53.1 -36.95
LAB*LABa 50.38 53.1 -36.95
LAB*LABb 50.38 53.1 -36.95
LAB*LABc 50.38 53.1 -36.95
relative CIELAB lab*
lab*lab 0.418 0.41 -0.285
lab*lab 0.418 0.41 -0.285
lab*nch 0.25 0.5 0.903
lab*nch 0.25 0.5 0.903
relative Natural Colour (NC)
lab*trj 0.418 0.396 -0.369
lab*trj 0.418 0.396 -0.369
lab*nch 0.25 0.5 0.903
lab*nch 0.25 0.5 0.903

Eingabe: Farbmimetrisches Reflexions-System NRS11

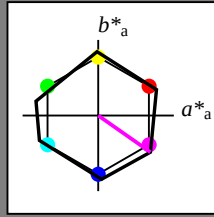
für Buntton $h^* = lab^*h = 325/360 = 0.903$ lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

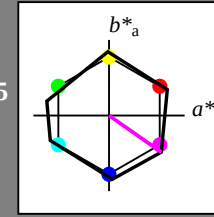
für Buntton $h^* = lab^*h = 325/360 = 0.903$ lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 0,50$ relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

5 stufige Reihen für konstanten CIELAB Buntton $325/360 = 0.903$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

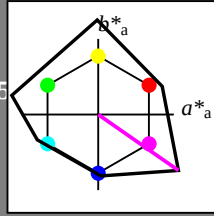
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

Ausgabe: Farbmetrisches Reflexions-System ORS18

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

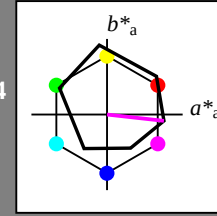
lab^*tch und lab^*nch

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

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 0,50$

relative Buntheit c^*

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

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

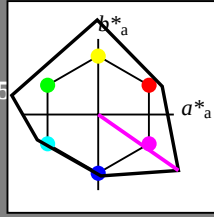
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

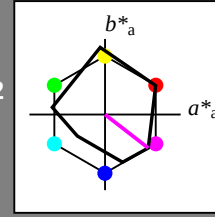
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

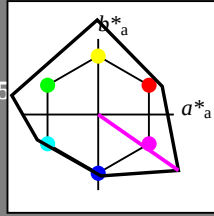
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

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

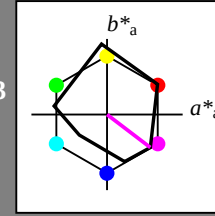
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	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	0.0	0.0	(0.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	0.0		
LAB*LABa	76.06	0.0	0.0		
LAB*LABb	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	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	0.0	0.0		
LAB*LABa	56.71	0.0	0.0		
LAB*LABb	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	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	0.07	0.01		
LAB*LABa	37.36	0.0	0.0		
LAB*LABb	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	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	0.1	0.02		
LAB*LABa	18.02	0.0	0.0		
LAB*LABb	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	-		

$n^* = 1,0$

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

MRS18a; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	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
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

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

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

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	1.0	(1.0)	
cmyn3*	0.0	0.25	0.0	(0.0)	
olvi4*	1.0	0.75	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	80.25	14.34	-10.89		
LAB*LABa	80.25	14.31	-10.89		
LAB*LABb	87.5	17.99	32.71		
relative CIELAB lab*					
lab*lab	0.805	0.199	-0.15		
lab*ch	0.875	0.25	0.896		
lab*nch	0.0	0.25	0.896		
relative Natural Colour (NC)					
lab*trj	0.805	0.152	-0.189		
lab*nce	0.875	0.25	0.862		
lab*nce	0.0	0.25	0.862		

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	0.5	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	60.94	14.37	-10.88		
LAB*LABa	60.94	14.32	-10.89		
LAB*LABb	62.5	16.0	32.71		
relative CIELAB lab*					
lab*lab	0.555	0.199	-0.15		
lab*ch	0.625	0.25	0.896		
lab*nch	0.25	0.25	0.896		
relative Natural Colour (NC)					
lab*trj	0.555	0.152	-0.189		
lab*nce	0.625	0.25	0.862		
lab*nce	0.25	0.25	0.862		

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.5	(1.0)	
cmyn3*	0.5	0.25	0.5	(0.0)	
olvi4*	1.0	0.25	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	45.83	29.7	-21.78		
LAB*LABa	45.83	28.64	-21.8		
LAB*LABb	50.0	35.99	32.71		
relative CIELAB lab*					
lab*lab	0.359	0.398	-0.302		
lab*ch	0.375	0.5	0.896		
lab*nch	0.25	0.5	0.896		
relative Natural Colour (NC)					
lab*trj	0.359	0.324	-0.38		
lab*nce	0.375	0.5	0.862		
lab*nce	0.25	0.5	0.862		

relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.25	(1.0)	
cmyn3*	0.75	1.0	0.75	(0.0)	
olvi4*	1.0	0.75	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	22.25	14.4	-10.86		
LAB*LABa	22.25	14.31	-10.89		
LAB*LABb	12.5	17.99	32.71		
relative CIELAB lab*					
lab*lab	0.055	0.199	-0.15		
lab*ch	0.125	0.25	0.896		
lab*nch	0.75	0.25	0.896		
relative Natural Colour (NC)					
lab*trj	0.055	0.152	-0.189		
lab*nce	0.125	0.25	0.862		
lab*nce	0.75	0.25	0.862		

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	0.5	1.0	1.0
cmyn4*	0.0	0.5	0.0	0.0
standard and adapted CIELAB				
LAB	65.17	28.68	-21.78	
*LABa	65.17	28.63	-21.79	
*LABb	75.0	35.99	322.71	

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

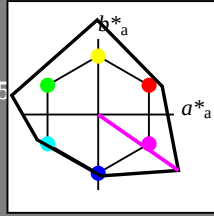
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten		$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24	
JMa	91.37	-1.27	125.03	125.03	91	
GMa	63.07	-114.28	25.35	117.06	167	
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203	
B _{Ma}	49.01	3.65	-81.19	81.28	273	
B50R _{Ma}	44.06	106.09	-73.93	129.32	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$

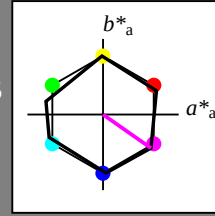
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 57 77 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

1,00

0,75

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	99.99	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		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.07	0.0	0.0		
LAB*LABa	76.07	0.0	0.0		
LAB*LABb	75.01	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		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	66.38	15.88	-11.08		
LAB*LABa	66.38	15.84	-11.09		
LAB*LABb	66.38	15.84	-11.09		
relative CIELAB lab*					
lab*lab	0.625	0.205	-0.142		
lab*tch	0.625	0.205	-0.142		
lab*nch	0.25	0.25	0.903		
relative Natural Colour (NC)					
lab*trj	0.625	0.168	-0.184		
lab*tce	0.25	0.25	0.867		
lab*nce	0.25	0.25	0.867		

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	37.37	0.07	0.01		
LAB*LABa	37.37	0.07	0.01		
LAB*LABb	37.37	0.07	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		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.75	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.09	0.02		
LAB*LABa	18.02	0.09	0.02		
LAB*LABb	18.02	0.09	0.02		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

NRS18; adaptierte CIELAB-Daten		$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	1.0	(1.0)	
cmyn3*	0.0	0.25	0.0	(0.0)	
olvi4*	1.0	0.75	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	85.73	15.85	-11.09		
LAB*LABa	85.73	15.83	-11.09		
LAB*LABb	87.5	19.33	324.97		
relative CIELAB lab*					
lab*lab	0.875	0.205	-0.142		
lab*tch	0.875	0.205	-0.142		
lab*nch	0.0	0.25	0.903		
relative Natural Colour (NC)					
lab*trj	0.875	0.168	-0.184		
lab*tce	0.0	0.25	0.867		
lab*nce	0.0	0.25	0.867		

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	0.75	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	66.38	15.88	-11.08		
LAB*LABa	66.38	15.84	-11.09		
LAB*LABb	66.38	15.84	-11.09		
relative CIELAB lab*					
lab*lab	0.625	0.205	-0.142		
lab*tch	0.625	0.205	-0.142		
lab*nch	0.25	0.25	0.903		
relative Natural Colour (NC)					
lab*trj	0.625	0.168	-0.184		
lab*tce	0.25	0.25	0.867		
lab*nce	0.25	0.25	0.867		

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.5	(1.0)	
cmyn3*	0.5	0.25	0.5	(0.0)	
olvi4*	1.0	0.75	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.7	31.73	-22.18		
LAB*LABa	56.7	31.67	-22.19		
LAB*LABb	56.7	31.67	-22.19		
relative CIELAB lab*					
lab*lab	0.5	0.409	-0.286		
lab*tch	0.5	0.409	-0.286		
lab*nch	0.5	0.5	0.903		
relative Natural Colour (NC)					
lab*trj	0.5	0.336	-0.37		
lab*tce	0.5	0.5	0.867		
lab*nce	0.5	0.5	0.867		

relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.25	(1.0)	
cmyn3*	0.75	0.0	0.75	(0.0)	
olvi4*	1.0	0.75	1.0	(1.0)	
cmyn4*	0.0	0.25	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.37	0.07	0.01		
LAB*LABa	37.37	0.07	0.01		
LAB*LABb	37.37	0.07	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		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.75	0.0	0.0		

	0,25
n für konstanten CIE	

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $325/360 = 0.903$ (links)

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

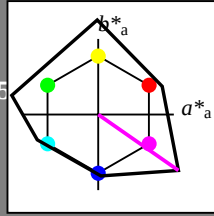
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

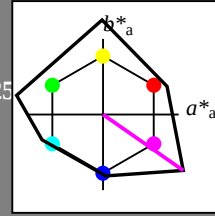
lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

5 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

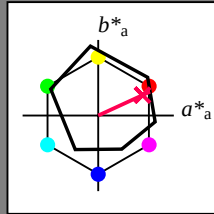
D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit

1,00



%Umfang

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

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

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

1,00

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*TCHa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*ch 1.0 0.0 -

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*nce 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 0.0 0.0

LAB*LABa 76.06 0.0 0.0

LAB*TCHa 75.01 -

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*ch 0.75 0.0 -

lab*nch 0.25 0.0 -

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*nce 0.25 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 0.0 0.0

LAB*LABa 56.71 0.0 0.0

LAB*TCHa 50.0 0.01 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*ch 0.5 0.0 -

lab*nch 0.5 0.0 -

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*nce 0.5 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*LABa 37.36 0.0 0.0

LAB*TCHa 25.0 0.01 -

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*ch 0.25 0.0 -

lab*nch 0.75 0.0 -

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*nce 0.25 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 (0.0)

cmyn4* 0.0 0.0 0.0 (1.0)

standard and adapted CIELAB

LAB*LAB 18.02 0.5 -0.46

LAB*LABa 18.02 0.0 0.0

LAB*TCHa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*ch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nce 1.0 0.0 -

 $n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

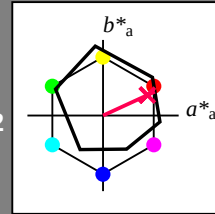
D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit

1,00



%Umfang

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

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

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

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*TCHa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*ch 1.0 0.0 -

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*nce 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 0.0 0.0

LAB*LABa 76.06 0.0 0.0

LAB*TCHa 75.01 -

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*ch 0.75 0.0 -

lab*nch 0.25 0.0 -

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*nce 0.25 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 0.0 0.0

LAB*LABa 56.71 0.0 0.0

LAB*TCHa 50.0 0.01 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*ch 0.5 0.0 -

lab*nch 0.5 0.0 -

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*nce 0.5 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*LABa 37.36 0.0 0.0

LAB*TCHa 25.0 0.01 -

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*ch 0.25 0.0 -

lab*nch 0.75 0.0 -

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*nce 0.25 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 (0.0)

cmyn4* 0.0 0.0 0.0 (1.0)

standard and adapted CIELAB

LAB*LAB 18.02 0.5 -0.46

LAB*LABa 18.02 0.0 0.0

LAB*TCHa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*ch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nce 1.0 0.0 -

 $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

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

Eingabe: Farbmetrisches Reflexions-System ORS18

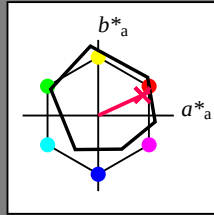
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



ORS18; adaptierte CIELAB-Daten

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

%Regularität

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $25/360 = 0.069$ (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

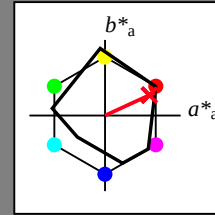
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit

 $u^*_{rel} = 91$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 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 0.0 0.0
LAB*LABa 76.06 0.0 0.0
LAB*TCRa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 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 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 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*LABa 37.36 0.13 0.83
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.5 -0.46
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 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*LABa 37.36 0.13 0.83
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.5 -0.46
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.5 -0.46
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

 $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $25/360 = 0.069$ (rechts)

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
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
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

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.25 0.226 (0.0)
olvi4* 1.0 0.75 0.774 (1.0)
cmyn4* 0.0 0.25 0.226 (0.0)
standard and adapted CIELAB
LAB*LAB 83.6 15.74 11.55
LAB*LABa 83.6 16.5 7.59
LAB*TCRa 87.5 18.16 24.69

relative CIELAB lab*
lab*lab 0.847 0.227 0.104
lab*tch 0.875 0.25 0.069
lab*nch 0.0 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.847 0.25 0.0
lab*tce 0.875 0.25 1.0
lab*nce 0.0 0.25 0.999

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.524 (1.0)
cmyn3* 0.25 0.5 0.476 (0.0)
olvi4* 1.0 0.75 0.774 (1.0)
cmyn4* 0.0 0.25 0.226 (0.0)
standard and adapted CIELAB
LAB*LAB 64.26 16.12 10.25
LAB*LABa 64.26 16.5 7.59
LAB*TCRa 62.5 18.16 24.7

relative CIELAB lab*
lab*lab 0.598 0.227 0.104
lab*tch 0.625 0.25 0.069
lab*nch 0.25 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.598 0.25 0.0
lab*tce 0.625 0.25 1.0
lab*nce 0.25 0.25 0.999

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.274 (1.0)
cmyn3* 0.5 0.25 0.226 (0.0)
olvi4* 1.0 0.75 0.774 (1.0)
cmyn4* 0.0 0.25 0.226 (0.0)
standard and adapted CIELAB
LAB*LAB 44.91 16.49 8.94
LAB*LABa 44.91 16.5 7.59
LAB*TCRa 37.5 18.16 24.7

relative CIELAB lab*
lab*lab 0.348 0.227 0.104
lab*tch 0.375 0.25 0.069
lab*nch 0.5 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.348 0.25 0.0
lab*tce 0.375 0.25 1.0
lab*nce 0.5 0.25 0.999

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.024 (1.0)
cmyn3* 0.75 1.0 0.976 (0.0)
olvi4* 1.0 0.75 0.774 (1.0)
cmyn4* 0.0 0.25 0.226 (0.0)
standard and adapted CIELAB
LAB*LAB 25.56 16.86 7.64
LAB*LABa 25.56 16.5 7.59
LAB*TCRa 12.5 18.16 24.7

relative CIELAB lab*
lab*lab 0.098 0.227 0.104
lab*tch 0.125 0.25 0.069
lab*nch 0.75 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.098 0.25 0.0
lab*tce 0.125 0.25 0.0
lab*nce 0.75 0.25 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.5 -0.46
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.024 (1.0)
cmyn3* 0.75 1.0 0.976 (0.0)
olvi4* 1.0 0.75 0.774 (1.0)
cmyn4* 0.0 0.25 0.226 (0.0)
standard and adapted CIELAB
LAB*LAB 25.56 16.86 7.64
LAB*LABa 25.56 16.5 7.59
LAB*TCRa 12.5 18.16 24.7

relative CIELAB lab*
lab*lab 0.098 0.227 0.104
lab*tch 0.125 0.25 0.069
lab*nch 0.75 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.098 0.25 0.0
lab*tce 0.125 0.25 0.0
lab*nce 0.75 0.25 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.5 -0.46
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.5 -0.46
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.548 (1.0)
cmyn3* 0.0 0.5 0.452 (0.0)
olvi4* 1.0 0.5 0.548 (1.0)
cmyn4* 0.0 0.5 0.452 (0.0)
standard and adapted CIELAB
LAB*LAB 71.8 32.47 18.34
LAB*LABa 71.8 33.0 15.17
LAB*TCRa 75.0 36.32 24.7

relative CIELAB lab*
lab*lab 0.695 0.454 0.209
lab*tch 0.75 0.5 0.069
lab*nch 0.0 0.5 0.069
relative Natural Colour (NC)
lab*trj 0.695 0.5 0.0
lab*tce 0.75 0.5 1.0
lab*nce 0.0 0.5 0.999

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.288 (1.0)
cmyn3* 0.25 0.75 0.702 (0.0)
olvi4* 1.0 0.5 0.548 (1.0)
cmyn4* 0.0 0.5 0.452 (0.0)
standard and adapted CIELAB
LAB*LAB 52.46 32.85 17.04
LAB*LABa 52.46 33.01 15.18
LAB*TCRa 50.0 36.33 24.7

relative CIELAB lab*
lab*lab 0.445 0.454 0.209
lab*tch 0.5 0.5 0.069
lab*nch 0.25 0.5 0.069
relative Natural Colour (NC)
lab*trj 0.445 0.5 0.0
lab*tce 0.5 0.5 1.0
lab*nce 0.25 0.5 0.999

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.274 (1.0)
cmyn3* 0.5 0.25 0.226 (0.0)
olvi4* 1.0 0.75 0.774 (1.0)
cmyn4* 0.0 0.25 0.226 (0.0)
standard and adapted CIELAB
LAB*LAB 44.91 16.49 8.94
LAB*LABa 44.91 16.5 7.59
LAB*TCRa 37.5 18.16 24.7

relative CIELAB lab*
lab*lab 0.348 0.227 0.104
lab*tch 0.375 0.25 0.069
lab*nch 0.5 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.348 0.25 0.0
lab*tce 0.375 0.25 1.0
lab*nce 0.5 0.25 0.999

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.024 (1.0)
cmyn3* 0.75 1.0 0.976 (0.0)
olvi4* 1.0 0.75 0.774 (1.0)
cmyn4* 0.0 0.25 0.226 (0.0)
standard and adapted CIELAB
LAB*LAB 25.56 16.86 7.64
LAB*LABa 25.56 16.5 7.59
LAB*TCRa 12.5 18.16 24.7

relative CIELAB lab*
lab*lab 0.098 0.227 0.104
lab*tch 0.125 0.25 0.069
lab*nch 0.75 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.098 0.25 0.0
lab*tce 0.125 0.25 0.0
lab*nce 0.75 0.25 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.5 -0.46
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.024 (1.0)
cmyn3* 0.75 1.0 0.976 (0.0)
olvi4* 1.0 0.75 0.774 (1.0)
cmyn4* 0.0 0.25 0.226 (0.0)
standard and adapted CIELAB
LAB*LAB 25.56 16.86 7.64
LAB*LABa 25.56 16.5 7.59
LAB*TCRa 12.5 18.16 24.7

relative CIELAB lab*
lab*lab 0.098 0.227 0.104
lab*tch 0.125 0.25 0.069
lab*nch 0.75 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.098 0.25 0.0
lab*tce 0.125 0.25 0.0
lab*nce 0.75 0.25 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.5 -0.46
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.5 -0.46
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

relative Buntheit c^* $n^* = 0,50$ 5 stufige Reihen für konstanten CIELAB Buntton $25/360 = 0.069$ (rechts)

relative Inform. Technology (IT)
olvi3* 1.0 0.25 0.323 (1.0)
cmyn3* 0.0 0.75 0.677 (0.0)
olvi4* 1.0 0.25 0.323 (1.0)
cmyn4* 0.0 0.75 0.677 (0.0)
standard and adapted CIELAB
LAB*LAB 60.0 49.2 23.13
LAB*LABa 60.0 49.5 22.76
LAB*TCRa 62.5 54.49 24.7

relative CIELAB lab*
lab*lab 0.543 0.681 0.313
lab*tch 0.625 0.75 0.069
lab*nch 0.0 0.75 0.069
relative Natural Colour (NC)
lab*trj 0.543 0.75 0.0
lab*tce 0.625 0.75 1.0
lab*nce 0.0 0.75 0.999

relative Inform. Technology (IT)
olvi3* 1.0 0.0 0.097 (1.0)
cmyn3* 0.0 1.0 0.903 (0.0)
olvi4* 1.0 0.0 0.097 (1.0)
cmyn4* 0.0 1.0 0.903 (0.0)
standard and adapted CIELAB
LAB*LAB 48.21 65.92 31.93
LAB*LABa 48.21 66.0 30.36
LAB*TCRa 50.0 72.65 24.7

relative CIELAB lab*
lab*lab 0.39 0.908 0.418
lab*tch 0.5 1.0 0.069
lab*nch 0.0 1.0 0.069
relative Natural Colour (NC)
lab*trj 0.39 1.0 0.0
lab*tce 0.5 1.0 0.0
lab*nce 0.0 1.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.073 (1.0)
cmyn3* 0.25 1.0 0.927 (0.0)
olvi4* 1.0 0.25 0.323 (1.0)
cmyn4* 0.0 0.75 0.677 (0.0)
standard and adapted CIELAB
LAB*LAB

Eingabe: Farbmetrisches Reflexions-System ORS18

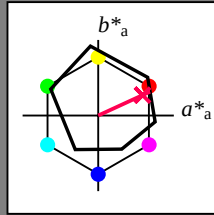
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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Ausgabe: Farbmetrisches Reflexions-System TRS18

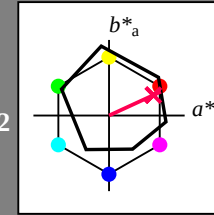
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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Eingabe: Farbmetrisches Reflexions-System ORS18

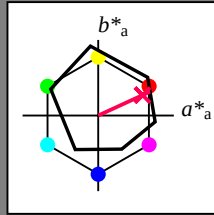
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

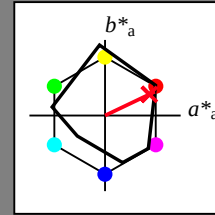
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 92$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.06 0.0 0.0

LAB*LABa 76.06 0.0 0.0

LAB*LABb 76.06 0.0 0.0

LAB*LABc 76.06 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.71 0.0 0.0

LAB*LABa 56.71 0.0 0.0

LAB*LABb 56.71 0.0 0.0

LAB*LABc 56.71 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 37.36 0.0 0.0

LAB*LABa 37.36 0.0 0.0

LAB*LABb 37.36 0.0 0.0

LAB*LABc 37.36 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 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 0.1 0.02

LAB*LABa 18.02 0.1 0.02

LAB*LABb 18.02 0.1 0.02

LAB*LABc 18.02 0.1 0.02

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 1.0 0.0 0.0

 $n^* = 1,0$

relative Inform. Technology (IT)

olvi3* 1.0 0.75 0.75 (1.0)

cmyn3* 0.0 0.25 0.224 (0.0)

olvi4* 1.0 0.75 0.75 (1.0)

cmyn4* 0.0 0.25 0.224 (0.0)

standard and adapted CIELAB

LAB*LAB 83.58 16.47 7.84

LAB*LABa 83.58 16.45 7.84

LAB*LABb 83.58 16.45 7.84

LAB*LABc 83.58 16.45 7.84

relative CIELAB lab*

lab*lab 0.847 0.226 0.108

lab*tch 0.875 0.25 0.071

lab*nch 0.0 0.25 0.071

relative Natural Colour (NC)

lab*trj 0.847 0.25 0.0

lab*tce 0.875 0.25 0.0

lab*nce 0.0 0.25 0.099

relative Inform. Technology (IT)

olvi3* 0.75 0.5 0.526 (1.0)

cmyn3* 0.25 0.5 0.474 (0.0)

olvi4* 1.0 0.75 0.75 (1.0)

cmyn4* 0.0 0.25 0.224 (0.0)

standard and adapted CIELAB

LAB*LAB 64.23 16.5 7.85

LAB*LABa 64.23 16.45 7.84

LAB*LABb 64.23 16.45 7.84

LAB*LABc 64.23 16.45 7.84

relative CIELAB lab*

lab*lab 0.597 0.226 0.108

lab*tch 0.625 0.25 0.071

lab*nch 0.25 0.25 0.071

relative Natural Colour (NC)

lab*trj 0.597 0.25 0.0

lab*tce 0.625 0.25 0.0

lab*nce 0.25 0.25 0.099

relative Inform. Technology (IT)

olvi3* 0.5 0.25 0.276 (1.0)

cmyn3* 0.5 0.25 0.224 (0.0)

olvi4* 1.0 0.75 0.75 (1.0)

cmyn4* 0.0 0.25 0.224 (0.0)

standard and adapted CIELAB

LAB*LAB 52.41 32.96 15.7

LAB*LABa 52.41 32.91 15.69

LAB*LABb 52.41 32.91 15.69

LAB*LABc 52.41 32.91 15.69

relative CIELAB lab*

lab*lab 0.444 0.451 0.215

lab*tch 0.475 0.5 0.071

lab*nch 0.25 0.5 0.071

relative Natural Colour (NC)

lab*trj 0.444 0.5 0.0

lab*tce 0.475 0.5 0.0

lab*nce 0.25 0.5 0.099

relative Inform. Technology (IT)

olvi3* 0.25 0.0 0.026 (1.0)

cmyn3* 0.75 1.0 0.974 (0.0)

olvi4* 1.0 0.75 0.75 (1.0)

cmyn4* 0.0 0.25 0.224 (0.0)

standard and adapted CIELAB

LAB*LAB 33.07 32.96 15.72

LAB*LABa 33.07 32.91 15.69

LAB*LABb 33.07 32.91 15.69

LAB*LABc 33.07 32.91 15.69

relative CIELAB lab*

lab*lab 0.195 0.451 0.215

lab*tch 0.25 0.5 0.071

lab*nch 0.5 0.5 0.071

relative Natural Colour (NC)

lab*trj 0.195 0.5 0.0

lab*tce 0.25 0.5 0.0

lab*nce 0.5 0.5 0.099

relative Inform. Technology (IT)

olvi3* 0.25 0.0 0.026 (1.0)

cmyn3* 0.75 1.0 0.974 (0.0)

olvi4* 1.0 0.75 0.75 (1.0)

cmyn4* 0.0 0.25 0.224 (0.0)

standard and adapted CIELAB

LAB*LAB 33.07 32.96 15.72

LAB*LABa 33.07 32.91 15.69

LAB*LABb 33.07 32.91 15.69

LAB*LABc 33.07 32.91 15.69

relative CIELAB lab*

lab*lab 0.195 0.451 0.215

lab*tch 0.25 0.5 0.071

lab*nch 0.5 0.5 0.071

relative Natural Colour (NC)

lab*trj 0.195 0.5 0.0

lab*tce 0.25 0.5 0.0

lab*nce 0.5 0.5 0.099

 $n^* = 0,50$ relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

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

 $g^*_{H,rel} = 42$ $g^*_{C,rel} = 49$

relative Inform. Technology (IT)

olvi3* 1.0 0.25 0.328 (1.0)

cmyn3* 0.0 0.75 0.672 (0.0)

olvi4* 1.0 0.25 0.328 (1.0)

cmyn4* 0.0 0.75 0.672 (0.0)

standard and adapted CIELAB

LAB*LAB 59.53 49.4 23.54

LAB*LABa 59.53 49.35 23.53

LAB*LABb 59.53 49.35 23.53

LAB*LABc 59.53 49.35 23.53

relative CIELAB lab*

lab*lab 0.542 0.677 0.323

lab*tch 0.625 0.75 0.071

lab*nch 0.0 0.75 0.071

relative Natural Colour (NC)

lab*trj 0.542 0.75 0.0

lab*tce 0.625 0.75 0.0

lab*nce 0.0 0.75 0.099

relative Inform. Technology (IT)

olvi3* 0.75 0.0 0.078 (1.0)

cmyn3* 0.25 1.0 0.922 (0.0)

olvi4* 1.0 0.25 0.328 (1.0)

cmyn4* 0.0 0.75 0.672 (0.0)

standard and adapted CIELAB

LAB*LAB 48.11 65.86 31.39

LAB*LABa 48.11 65.8 31.37

LAB*LABb 48.11 65.8 31.37

LAB*LABc 48.11 65.8 31.37

relative CIELAB lab*

lab*lab 0.389 0.902 0.43

lab*tch 0.5 1.0 0.071

lab*nch 0.0 1.0 0.071

relative Natural Colour (NC)

lab*trj 0.389 1.0 0.0

lab*tce 0.5 1.0 0.0

lab*nce 0.0 1.0 0.099

relative Inform. Technology (IT)

olvi3* 0.5 0.0 0.052 (1.0)

cmyn3* 0.5 0.0 0.948 (0.0)

olvi4* 1.0 0.5 0.552 (0.5)

cmyn4* 0.0 0.5 0.448 (0.5)

standard and adapted CIELAB

LAB*LAB 40.59 49.42 23.56

LAB*LABa 40.59 49.35 23.56

LAB*LABb 40.59 49.35 23.56

LAB*LABc 40.59 49.35 23.56

relative CIELAB lab*

lab*lab 0.292 0.677 0.323

lab*tch 0.375 0.75 0.071

lab*nch 0.25 0.75 0.071

relative Natural Colour (NC)

lab*trj 0.292 0.75 0.0

lab*tce 0.375 0.75 0.0

lab*nce 0.25 0.75 0.099

relative Inform. Technology (IT)

olvi3* 0.25 0.0 0.026 (1.0)

cmyn3* 0.75 1.0 0.974 (0.0)

olvi4* 1.0 0.75 0.75 (1.0)

cmyn4* 0.0 0.25 0.224 (0.0)

standard and adapted CIELAB

LAB*LAB 33.07 32.96 15.72

LAB*LABa 33.07 32.91 15.69

LAB*LABb 33.07 32.91 15.69

LAB*LABc 33.07 32.91 15.69

relative CIELAB lab*

lab*lab 0.195 0.451 0.215

lab*tch 0.25 0.5 0.071

lab*nch 0.5 0.5 0.071

relative Natural Colour (NC)

lab*trj 0.195 0.5 0.0

lab*tce 0.25 0.5 0.0

lab*nce 0.5 0.5 0.099

 $n^* = 0,00$ relative Buntheit c^*

Eingabe: Farbmetrisches Reflexions-System ORS18

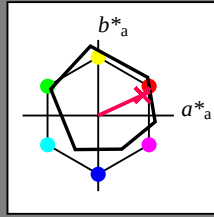
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

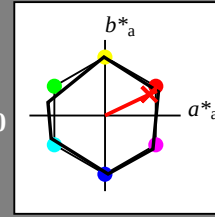
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Eingabe: Farbmetrisches Reflexions-System ORS18

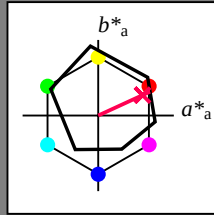
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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Ausgabe: Farbmetrisches Reflexions-System NCS18

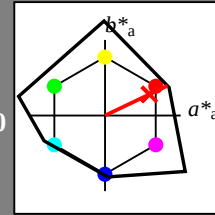
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

Eingabe: Farbmimetrisches Reflexions-System ORS18

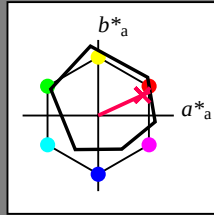
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

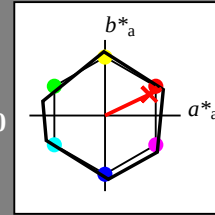
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 119$

1,00

0,75

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

0,25

0,50

relative Buntheit c^* $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 25/360 = 0.069$

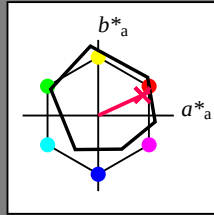
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 25/360 = 0.071$

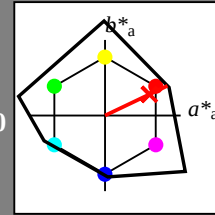
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)
 $olvi3^* = 1.0$
 $cmyn3^* = 0.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41$
 $LAB^*LABa = 95.41$
 $LAB^*TCha = 99.99$
 relative CIELAB lab*
 $lab^*lab = 1.0$
 $lab^*ch = 1.0$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 1.0$
 $lab^*tce = 0.0$
 $lab^*nce = 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 74.31$
 $LAB^*LABa = 74.31$
 $LAB^*TCha = 75.01$
 relative CIELAB lab*
 $lab^*lab = 0.75$
 $lab^*ch = 0.75$
 $lab^*nch = 0.25$
 relative Natural Colour (NC)
 $lab^*trj = 0.75$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 53.21$
 $LAB^*LABa = 53.21$
 $LAB^*TCha = 50.0$
 relative CIELAB lab*
 $lab^*lab = 0.5$
 $lab^*ch = 0.5$
 $lab^*nch = 0.5$
 relative Natural Colour (NC)
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$
 $lab^*nce = 0.5$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 32.11$
 $LAB^*LABa = 32.11$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 32.11$
 $LAB^*LABa = 32.11$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 32.11$
 $LAB^*LABa = 32.11$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 32.11$
 $LAB^*LABa = 32.11$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 32.11$
 $LAB^*LABa = 32.11$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 1.0$
 $cmyn3^* = 0.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 95.41$
 $LAB^*LABa = 95.41$
 $LAB^*TCha = 99.99$
 relative CIELAB lab*
 $lab^*lab = 1.0$
 $lab^*ch = 1.0$
 $lab^*nch = 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 1.0$
 $lab^*tce = 0.0$
 $lab^*nce = 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 74.31$
 $LAB^*LABa = 74.31$
 $LAB^*TCha = 75.01$
 relative CIELAB lab*
 $lab^*lab = 0.75$
 $lab^*ch = 0.75$
 $lab^*nch = 0.25$
 relative Natural Colour (NC)
 $lab^*trj = 0.75$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 53.21$
 $LAB^*LABa = 53.21$
 $LAB^*TCha = 50.0$
 relative CIELAB lab*
 $lab^*lab = 0.5$
 $lab^*ch = 0.5$
 $lab^*nch = 0.5$
 relative Natural Colour (NC)
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$
 $lab^*nce = 0.5$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 32.11$
 $LAB^*LABa = 32.11$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 32.11$
 $LAB^*LABa = 32.11$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 32.11$
 $LAB^*LABa = 32.11$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 32.11$
 $LAB^*LABa = 32.11$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 11.01$
 $LAB^*LABa = 11.01$
 $LAB^*TCha = 0.01$
 relative CIELAB lab*
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.0$
 $lab^*tce = 1.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 32.11$
 $LAB^*LABa = 32.11$
 $LAB^*TCha = 25.0$
 relative CIELAB lab*
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 relative Natural Colour (NC)
 $lab^*trj = 0.25$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $$

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$

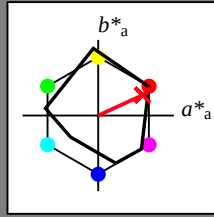
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

1,00

↑

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

↑

0,25

0,50

0,75

1,00

↑

0,25

0,50

0,75

1,00

↑

0,25

0,50

0,75

1,00

↑

0,25

0,50

0,75

1,00

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

↑

0,25

0,50

0,75

1,00

↑

0,25

0,50

0,75

1,00

↑

0,25

0,50

0,75

1,00

↑

0,25

0,50

0,75

1,00

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0,25

0,50

0,75

1,00

↑

0,25

0,50

0,75

1,00

↑

0,25

0,50

0,75

1,00

Schwarzheit n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$

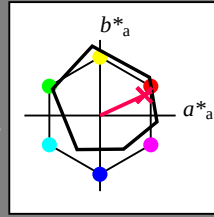
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

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

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0,25

0,50

0,75

1,00

↑

0,25

0,50

0,75

1,00

↑

0,25

0,50

0,75

1,00

↑

0,25

0,50

0,75

1,00

$n^* = 1,0$

%Regularität

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

0,50

0,25

0,00

↑

0,25

0,50

0,75

1,00

↑

0,25

0,50

0,75

1,00

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0,50

0,75

1,00

↑

0,25

0,50

0,75

1,00

$n^* = 1,0$

%Regularität

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

0,50

0,25

0,00

↑

0,25

0,50

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0,25

0,50

0,75

1,00

↑

0,25

0,50

0,75

1,00

$n^* = 1,0$

%Regularität

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

0,50

0,25

0,00

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0,25

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0,25

0,50

0,75

1,00

↑

0,25

Eingabe: Farbmetrisches Reflexions-System MRS18

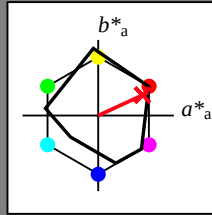
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

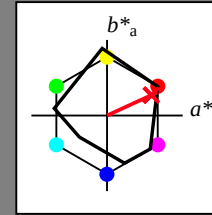
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$

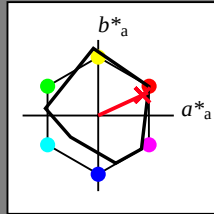
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 91$

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
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

$g^*_{H,\text{rel}} = 41$

$g^*_{C,\text{rel}} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$

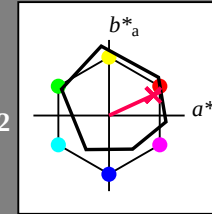
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 93$

TRS18; 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

$g^*_{H,\text{rel}} = 57$

$g^*_{C,\text{rel}} = 59$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 25/360 = 0.069$

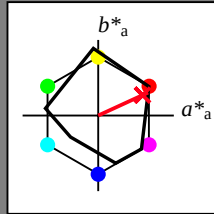
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 25/360 = 0.071$

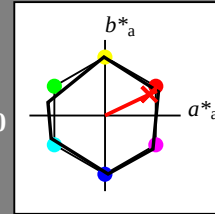
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

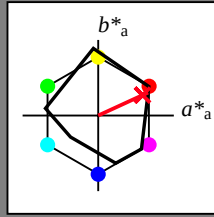
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

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

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

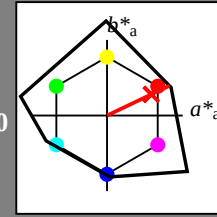
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

Eingabe: Farbmimetrisches Reflexions-System MRS18

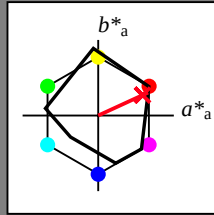
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

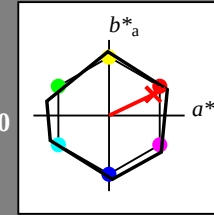
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

%Regularität

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 25/360 = 0.069$

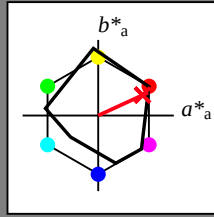
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 25/360 = 0.071$

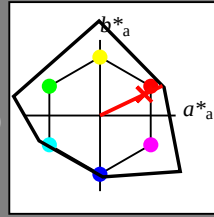
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

%Regularität

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Regularität

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

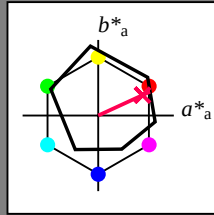
D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{\text{rel}} = 93$

TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*TCRa	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*ch	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*nce	0.0	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	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*TCRa	75.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*ch	0.75	0.0	0.0	0.0
lab*nch	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*nce	0.25	0.0	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	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*TCRa	50.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*ch	0.5	0.0	0.0	0.0
lab*nch	0.5	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	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	0.0	0.0	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*TCRa	25.0	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*ch	0.25	0.0	0.0	0.0
lab*nch	0.75	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*nce	0.75	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.0	0.0	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

 $n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

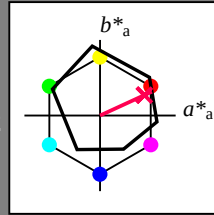
D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{\text{rel}} = 93$

relative Inform. Technology (IT)				
olvi3*	1.0	0.75	0.831	(1.0)
cmyn3*	0.0	0.25	0.169	(0.0)
olvi4*	1.0	0.75	0.831	(1.0)
cmyn4*	0.0	0.25	0.169	(0.0)
standard and adapted CIELAB				
LAB*LAB	83.55	16.38	11.84	0.0
LAB*LABa	83.55	17.13	7.88	0.0
LAB*TCRa	87.5	16.86	24.69	0.0
relative CIELAB lab*				
lab*lab	0.847	0.227	0.104	0.0
lab*ch	0.875	0.25	0.069	0.0
lab*nch	0.0	0.25	0.069	0.0
relative Natural Colour (NC)				
lab*trj	0.847	0.25	0.0	0.0
lab*nce	0.875	0.25	1.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.581	(1.0)
cmyn3*	0.25	0.5	0.419	(0.0)
olvi4*	1.0	0.75	0.831	(1.0)
cmyn4*	0.0	0.25	0.169	(0.0)
standard and adapted CIELAB				
LAB*LAB	64.21	16.76	10.54	0.0
LAB*LABa	64.21	17.14	7.88	0.0
LAB*TCRa	62.5	16.87	24.7	0.0
relative CIELAB lab*				
lab*lab	0.597	0.227	0.104	0.0
lab*ch	0.625	0.25	0.069	0.0
lab*nch	0.25	0.25	0.069	0.0
relative Natural Colour (NC)				
lab*trj	0.597	0.25	0.0	0.0
lab*nce	0.625	0.25	1.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.331	(1.0)
cmyn3*	0.5	0.75	0.669	(0.0)
olvi4*	1.0	0.75	0.831	(1.0)
cmyn4*	0.0	0.25	0.169	(0.0)
standard and adapted CIELAB				
LAB*LAB	52.36	34.13	17.62	0.0
LAB*LABa	52.36	34.28	15.77	0.0
LAB*TCRa	50.0	37.73	24.7	0.0
relative CIELAB lab*				
lab*lab	0.444	0.454	0.209	0.0
lab*ch	0.475	0.5	0.069	0.0
lab*nch	0.25	0.5	0.069	0.0
relative Natural Colour (NC)				
lab*trj	0.444	0.5	0.0	0.0
lab*nce	0.475	0.5	1.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.25	0.0	0.081	(1.0)
cmyn3*	0.75	1.0	0.919	(0.0)
olvi4*	1.0	0.75	0.831	(1.0)
cmyn4*	0.0	0.25	0.169	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.51	17.49	7.93	0.0
LAB*LABa	25.51	17.13	7.88	0.0
LAB*TCRa	12.5	16.86	24.7	0.0
relative CIELAB lab*				
lab*lab	0.097	0.227	0.104	0.0
lab*ch	0.125	0.25	0.069	0.0
lab*nch	0.75	0.25	0.069	0.0
relative Natural Colour (NC)				
lab*trj	0.097	0.25	0.0	0.0
lab*nce	0.125	0.25	1.0	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	0.0	0.0	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*TCRa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0	0.0

 $n^* = 1,0$

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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.661	(1.0)
cmyn3*	0.0	0.5	0.339	(0.0)
olvi4*	1.0	0.5	0.661	(1.0)
cmyn4*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.7	33.75	18.92	0.0
LAB*LABa	71.7	34.27	15.76	0.0
LAB*TCRa	75.0	37.72	24.69	0.0
relative CIELAB lab*				
lab*lab	0.694	0.454	0.209	0.0
lab*ch	0.75	0.5	0.069	0.0
lab*nch	0.0	0.5	0.069	0.0
relative Natural Colour (NC)				
lab*trj	0.694	0.5	0.0	0.0
lab*nce	0.75	0.5	1.0	0.0

relative CIELAB lab*			
lab*lab	0.541	0.681	0.313
lab*ch	0.625	0.75	0.069
lab*ncb	0.0	0.75	0.069
relative Natural Colour (NC)			
lab*lrj	0.541	0.75	0.0
lab*lrj	0.625	0.75	1.0
lab*ncE	0.0	0.75	b99r
relative Inform. Technology (IT)			
olvi3*	0.75	0.0	0.242 (1.0)
olvi3*	0.25	1.0	0.568 (0.0)
cmyn3*	0.0	0.25	0.492 (1.0)
cmyn4*	0.0	0.75	0.508 (0.0)
standard and adapted CIELAB			
LAB*LAB	40.51	51.49	24.7
LAB*LABa	40.51	51.41	23.65

Eingabe: Farbmetrisches Reflexions-System TRS18

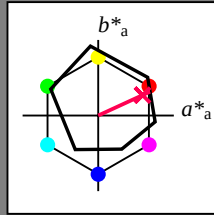
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



TRS18; 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

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

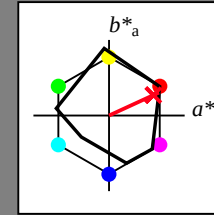
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit

 $u^*_{rel} = 91$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	0.0	
LAB*TCRa	99.99	0.01	-	-	
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*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	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	0.0	3.44		
LAB*LABa	76.06	0.0	0.0		
LAB*TCRa	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	-		
lab*nch	0.25	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.25	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	0.0	2.14		
LAB*LABa	56.71	0.0	0.0		
LAB*TCRa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	-		
lab*nch	0.5	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	-		
lab*nce	0.5	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*LABa	37.36	0.0	0.0		
LAB*TCRa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	-		
lab*nch	0.75	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	-		
lab*nce	0.75	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*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	1.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nce	1.0	0.0	-		

 $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

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
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
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

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

relative Inform. Technology (IT)					
olvi3*	1.0	0.5	0.548	(1.0)	
cmyn3*	0.0	0.5	0.452	(0.0)	
olvi4*	1.0	0.5	0.548	(1.0)	
cmyn4*	0.0	0.5	0.452	(0.0)	
standard and adapted CIELAB					
LAB*LAB	71.8	32.47	18.34		
LAB*LABa	71.8	33.0	15.17		
LAB*TCRa	75.0	36.32	24.7		
relative CIELAB lab*					
lab*lab	0.695	0.454	0.209		
lab*tch	0.75	0.5	0.069		
lab*nch	0.0	0.5	0.069		
relative Natural Colour (NC)					
lab*trj	0.695	0.5	0.0		
lab*tce	0.75	0.5	1.0		
lab*nce	0.0	0.5	0.999		

relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.524	(1.0)	
cmyn3*	0.25	0.5	0.476	(0.0)	
olvi4*	1.0	0.5	0.524	(1.0)	
cmyn4*	0.0	0.5	0.476	(0.0)	
standard and adapted CIELAB					
LAB*LAB	64.26	16.12	10.25		
LAB*LABa	64.26	16.5	7.59		
LAB*TCRa	62.5	18.16	24.7		
relative CIELAB lab*					
lab*lab	0.598	0.227	0.104		
lab*tch	0.625	0.25	0.069		
lab*nch	0.25	0.25	0.069		
relative Natural Colour (NC)					
lab*trj	0.598	0.25	0.0		
lab*tce	0.625	0.25	1.0		
lab*nce	0.25	0.25	0.999		

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.274	(1.0)	
cmyn3*	0.5	0.25	0.726	(0.0)	
olvi4*	1.0	0.25	0.774	(1.0)	
cmyn4*	0.0	0.25	0.226	(0.0)	
standard and adapted CIELAB					
LAB*LAB	44.91	16.49	8.94		
LAB*LABa	44.91	16.5	7.59		
LAB*TCRa	37.5	18.16	24.7		
relative CIELAB lab*					
lab*lab	0.348	0.227	0.104		
lab*tch	0.375	0.25	0.069		
lab*nch	0.5	0.25	0.069		
relative Natural Colour (NC)					
lab*trj	0.348	0.25	0.0		
lab*tce	0.375	0.25	1.0		
lab*nce	0.5	0.25	0.999		

relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.024	(1.0)	
cmyn3*	0.75	1.0	0.976	(0.0)	
olvi4*	1.0	0.75	0.774	(0.25)	
cmyn4*	0.0	0.25	0.226	(0.75)	
standard and adapted CIELAB					
LAB*LAB	25.56	16.86	7.64		
LAB*LABa	25.56	16.5	7.59		
LAB*TCRa	12.5	18.16	24.7		
relative CIELAB lab*					
lab*lab	0.098	0.227	0.104		
lab*tch	0.125	0.25	0.069		
lab*nch	0.75	0.25	0.069		
relative Natural Colour (NC)					
lab*trj	0.098	0.25	0.0		
lab*tce	0.125	0.25	0.0		
lab*nce	0.75	0.25	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*LABa	18.02	0.0	0.0		
LAB*TCRa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	-		
lab*nch	1.0	0.0	-		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	-		
lab*nch	1.0	0.0	-		

Eingabe: Farbmetrisches Reflexions-System TRS18

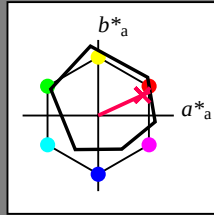
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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Ausgabe: Farbmetrisches Reflexions-System TRS18

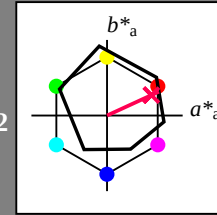
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ Schwarzheit n^* $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* $n^* = 0,00$ $n^* = 0,25$ Schwarzheit n^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

Eingabe: Farbmetrisches Reflexions-System TRS18

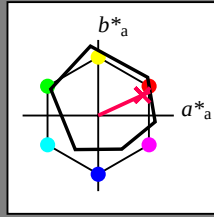
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

1,00

TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

Ausgabe: Farbmetrisches Reflexions-System NRS18

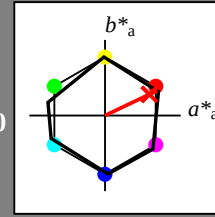
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

1,00

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

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*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 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 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.25 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 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 1.0 0.757 0.75 (1.0)
cmyn3* 0.0 0.243 0.25 (0.0)
olvi4* 1.0 0.757 0.75 (1.0)
cmyn4* 0.0 0.243 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 85.73 17.18 8.18
LAB*LABa 85.73 17.18 8.18
LAB*TCRa 87.5 19.01 25.49

relative CIELAB lab*
lab*lab 0.875 0.226 0.108
lab*tch 0.875 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.875 0.25 0.0
lab*tce 0.875 0.25 0.0
lab*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.507 0.5 (1.0)
cmyn3* 0.25 0.493 0.5 (0.0)
olvi4* 1.0 0.757 0.75 (1.0)
cmyn4* 0.0 0.243 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 17.21 8.19
LAB*LABa 66.38 17.21 8.19
LAB*TCRa 62.5 19.02 25.49

relative CIELAB lab*
lab*lab 0.625 0.226 0.108
lab*tch 0.625 0.25 0.071
lab*nch 0.25 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.625 0.25 0.0
lab*tce 0.625 0.25 0.0
lab*nce 0.25 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.257 0.25 (1.0)
cmyn3* 0.5 0.243 0.25 (0.0)
olvi4* 1.0 0.757 0.75 (1.0)
cmyn4* 0.0 0.243 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.0 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olvi3* 1.0 0.514 0.5 (1.0)
cmyn3* 0.0 0.486 0.5 (0.0)
olvi4* 1.0 0.514 0.5 (1.0)
cmyn4* 0.0 0.486 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.05 34.36 16.37
LAB*LABa 76.05 34.36 16.37
LAB*TCRa 75.0 38.03 25.49

relative CIELAB lab*
lab*lab 0.75 0.451 0.215
lab*tch 0.75 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.75 0.5 0.0
lab*tce 0.75 0.5 0.0
lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.264 0.25 (1.0)
cmyn3* 0.25 0.736 0.75 (0.0)
ol

Eingabe: Farbmetrisches Reflexions-System TRS18

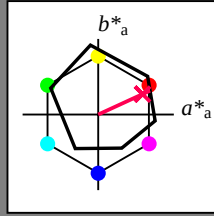
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

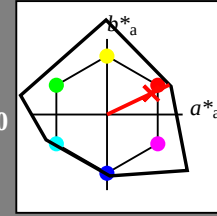
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmimetrisches Reflexions-System TRS18

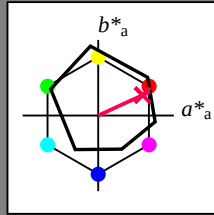
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

1,00

↑

1,00

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1,00

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1,00

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1,00

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1,00

TRS18; 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

%Regelartit

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

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Ausgabe: Farbmimetrisches Reflexions-System NRS11

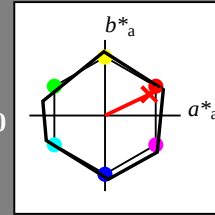
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

1,00

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1,00

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1,00

%Regelartit

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

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1,00

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1,00

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regelartit

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

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1,00

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1,00

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1,00

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1,00

%Regelartit

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

↑

1,00

↑

1,00

↑

1,00

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1,00

%Regelartit

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

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1,00

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1,00

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmetrisches Reflexions-System TRS18

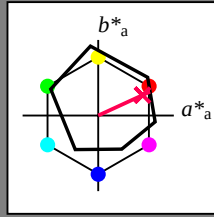
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

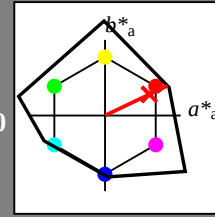
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 25/360 = 0.071$

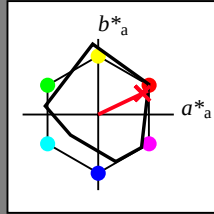
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

1,00

↑

0,75

0,50

0,25

0,00

↓

0,25

0,50

0,75

1,00

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0,25

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1,00

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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

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

0,50

0,25

0,00

↓

0,25

0,50

0,75

1,00

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0,25

0,50

0,75

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0,25

0,50

0,75

1,00

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0,25

0,50

↓

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 25/360 = 0.069$

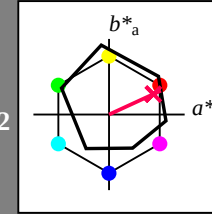
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

↑

0,75

0,50

0,25

0,00

↓

0,25

0,50

0,75

1,00

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0,25

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0,25

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1,00

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0,25

0,50

0,75

1,00

↑

%Regularität

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

0,50

0,25

0,00

↓

0,25

0,50

0,75

1,00

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0,25

0,50

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0,50

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1,00

↓

0,25

0,50

0,75

1,00

↓

0,25

0,50

↓

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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

↑

0,75

0,50

0,25

0,00

↓

0,25

0,50

0,75

1,00

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1,00

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0,25

0,50

0,75

1,00

↑

0,25

0,50

0,75

1,00

↑

%Regularität

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

0,75

0,50

0,25

0,00

↓

0,25

0,50

0,75

1,00

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0,25

0,50

0,75

1,00

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0,25

0,50

0,75

1,00

↓

0,25

0,50

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 25/360 = 0.071$

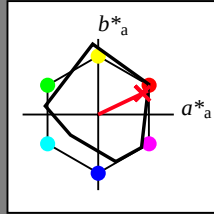
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	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
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^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 25/360 = 0.069$

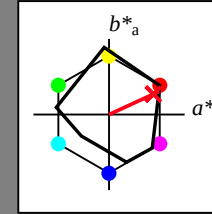
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	1.0	0.0
lab*trj	0.0	0.0	0.0	0.0	1.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
lab*lab	76.06	0.0	0.0	3.44	0.01
lab*tch	76.06	0.0	0.0	3.44	0.01
lab*nch	76.06	0.0	0.0	3.44	0.01
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.5	0.5	0.5	0.5	0.5
lab*tch	0.5	0.5	0.5	0.5	0.5
lab*nch	0.5	0.5	0.5	0.5	0.5
relative Natural Colour (NC)	0.5	0.5	0.5	0.5	0.5
lab*trj	0.5	0.5	0.5	0.5	0.5
lab*tce	0.5	0.5	0.5	0.5	0.5
lab*nce	0.5	0.5	0.5	0.5	0.5

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
lab*lab	56.71	0.0	0.0	2.14	0.0
lab*tch	56.71	0.0	0.0	2.14	0.0
lab*nch	56.71	0.0	0.0	2.14	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*tch	0.25	0.25	0.25	0.25	0.25
lab*nch	0.25	0.25	0.25	0.25	0.25
relative Natural Colour (NC)	0.25	0.25	0.25	0.25	0.25
lab*trj	0.25	0.25	0.25	0.25	0.25
lab*tce	0.25	0.25	0.25	0.25	0.25
lab*nce	0.25	0.25	0.25	0.25	0.25

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*tch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	1.0	0.0
lab*trj	0.0	0.0	0.0	0.0	1.0
lab*tce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
lab*lab	71.8	32.47	18.34	3.0	0.0
lab*tch	71.8	32.47	18.34	3.0	0.0
lab*nch	71.8	32.47	18.34	3.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.5	0.5	0.5	0.5	0.5
lab*tch	0.5	0.5	0.5	0.5	0.5
lab*nch	0.5	0.5	0.5	0.5	0.5
relative Natural Colour (NC)	0.5	0.5	0.5	0.5	0.5
lab*trj	0.5	0.5	0.5	0.5	0.5
lab*tce	0.5	0.5	0.5	0.5	0.5
lab*nce	0.5	0.5	0.5	0.5	0.5

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
lab*lab	52.46	32.85	17.04	2.5	0.0
lab*tch	52.46	32.85	17.04	2.5	0.0
lab*nch	52.46	32.85	17.04	2.5	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*tch	0.25	0.25	0.25	0.25	0.25
lab*nch	0.25	0.25	0.25	0.25	0.25
relative Natural Colour (NC)	0.25	0.25	0.25	0.25	0.25
lab*trj	0.25	0.25	0.25	0.25	0.25
lab*tce	0.25	0.25	0.25	0.25	0.25
lab*nce	0.25	0.25	0.25	0.25	0.25

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.5	0.5	0.5	0.5	0.5
lab*tch	0.5	0.5	0.5	0.5	0.5
lab*nch	0.5	0.5	0.5	0.5	0.5
relative Natural Colour (NC)	0.5	0.5	0.5	0.5	0.5
lab*trj	0.5	0.5	0.5	0.5	0.5
lab*tce	0.5	0.5	0.5	0.5	0.5
lab*nce	0.5	0.5	0.5	0.5	0.5

standard and adapted CIELAB					
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb
lab*lab	48.21	65.92	31.93	2.2	0.0
lab*tch	48.21	65.92	31.93	2.2	0.0
lab*nch	48.21	65.92	31.93	2.2	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.445	0.454	0.209	0.069	0.069
*tch	0.5	0.5	0.069	0.069	0.069
*nch	0.25	0.5	0.069	0.069	0.069
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.445	0.5	0.0	0.0	0.0
*trj	0.5	0.5	0.0	0.0	0.0
*tce	0.25	0.5	0.0	0.0	0.0
*nch	0.25	0.5	0.0	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Inform. Technology (IT)					relat
	<i>olvi3*</i>	<i>olvi4*</i>	<i>olvi5*</i>	<i>olvi6*</i>	<i>olvi7*</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch	0.5	0.5	0.048	0.0	0.0
*nch	0.5	0.5	0.048	0.0	0.0
relative Natural Colour (NC)					relat
	<i>trj</i>	<i>tce</i>	<i>trj</i>	<i>tce</i>	<i>trj</i>
lab	0.5	0.0	0.048	0.0	0.0
*trj	1.0	1.0	0.0	0.0	0.0
*tch					

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$

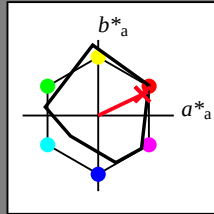
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

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
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^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$

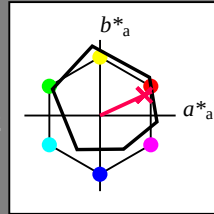
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

TRS18; 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^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

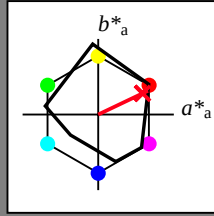
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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
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

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS18

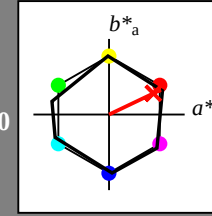
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmimetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 25/360 = 0.071$

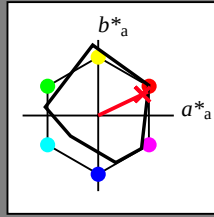
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

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
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^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 25/360 = 0.071$

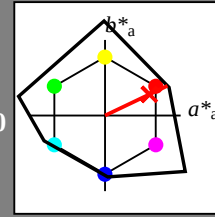
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

1,00

0,75

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmimetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 25/360 = 0.071$

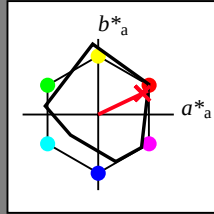
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

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
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^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 25/360 = 0.071$

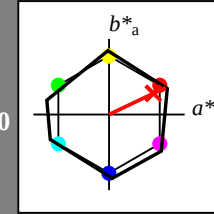
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

1,00

0,75

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 $olvi3^* = 1.0$
 $cmyn3^* = 0.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 1.0$
 $lab^*ch = 1.0$
 $lab^*nch = 0.0$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 1.0$
 $lab^*tce = 0.0$
 $lab^*nce = 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.75$
 $lab^*ch = 0.75$
 $lab^*nch = 0.25$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.75$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.5$
 $lab^*ch = 0.5$
 $lab^*nch = 0.5$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$
 $lab^*nce = 0.5$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.25$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.25$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.5$
 $lab^*ch = 0.5$
 $lab^*nch = 0.5$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$
 $lab^*nce = 0.5$

relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.75$
 $lab^*ch = 0.75$
 $lab^*nch = 0.25$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.75$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 1.0$
 $cmyn3^* = 0.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 1.0$
 $lab^*ch = 1.0$
 $lab^*nch = 0.0$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 1.0$
 $lab^*tce = 1.0$
 $lab^*nce = 1.0$

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

relative Inform. Technology (IT)
 $olvi3^* = 1.0$
 $cmyn3^* = 0.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 1.0$
 $lab^*ch = 1.0$
 $lab^*nch = 0.0$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 1.0$
 $lab^*tce = 0.0$
 $lab^*nce = 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.75$
 $lab^*ch = 0.75$
 $lab^*nch = 0.25$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.75$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.5$
 $lab^*ch = 0.5$
 $lab^*nch = 0.5$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$
 $lab^*nce = 0.5$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.25$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.25$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.5$
 $lab^*ch = 0.5$
 $lab^*nch = 0.5$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$
 $lab^*nce = 0.5$

relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.75$
 $lab^*ch = 0.75$
 $lab^*nch = 0.25$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.75$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 1.0$
 $cmyn3^* = 0.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 1.0$
 $lab^*ch = 1.0$
 $lab^*nch = 0.0$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 1.0$
 $lab^*tce = 1.0$
 $lab^*nce = 1.0$

relative Inform. Technology (IT)
 $olvi3^* = 1.0$
 $cmyn3^* = 0.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 1.0$
 $lab^*ch = 1.0$
 $lab^*nch = 0.0$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 1.0$
 $lab^*tce = 0.0$
 $lab^*nce = 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.75$
 $lab^*ch = 0.75$
 $lab^*nch = 0.25$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.75$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.5$
 $lab^*ch = 0.5$
 $lab^*nch = 0.5$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$
 $lab^*nce = 0.5$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.25$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.0$
 $cmyn3^* = 1.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.0$
 $lab^*ch = 0.0$
 $lab^*nch = 1.0$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.0$
 $lab^*tce = 0.0$
 $lab^*nce = 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.25$
 $cmyn3^* = 0.75$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.25$
 $lab^*ch = 0.25$
 $lab^*nch = 0.75$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.25$
 $lab^*tce = 0.25$
 $lab^*nce = 0.25$

relative Inform. Technology (IT)
 $olvi3^* = 0.5$
 $cmyn3^* = 0.5$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.5$
 $lab^*ch = 0.5$
 $lab^*nch = 0.5$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.5$
 $lab^*tce = 0.5$
 $lab^*nce = 0.5$

relative Inform. Technology (IT)
 $olvi3^* = 0.75$
 $cmyn3^* = 0.25$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 0.75$
 $lab^*ch = 0.75$
 $lab^*nch = 0.25$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 0.75$
 $lab^*tce = 0.75$
 $lab^*nce = 0.75$

relative Inform. Technology (IT)
 $olvi3^* = 1.0$
 $cmyn3^* = 0.0$
 $olvi4^* = 1.0$
 $cmyn4^* = 0.0$
 $lab^*lab = 1.0$
 $lab^*ch = 1.0$
 $lab^*nch = 0.0$
 $relative\ Natural\ Colour\ (NC)$
 $lab^*trj = 1.0$
 $lab^*tce = 1.0$
 $lab^*nce = 1.0$

$n^* = 0,50$

$n^* = 1,0$

Schwarzheit n^*

$n^* = 0,00$

$n^* = 0,25$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

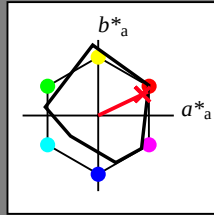
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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
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

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

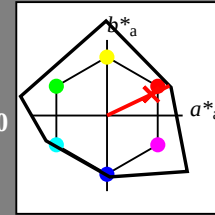
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TC_{Ma} 99.99 0.01 -

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 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 74.31 0.0 0.0
LAB*LABa 74.31 0.0 0.0
LAB*TC_{Ma} 75.01 -

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 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 53.21 0.0 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TC_{Ma} 50.01 -

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 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TC_{Ma} 25.01 -

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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 0.01 -

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 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TC_{Ma} 25.01 -

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 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 53.21 0.0 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TC_{Ma} 50.01 -

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 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 74.31 0.0 0.0
LAB*LABa 74.31 0.0 0.0
LAB*TC_{Ma} 75.01 -

relative Inform. Technology (IT)
olvi3* 0.95 0.95 0.95 (1.0)
cmyn3* 0.05 0.05 0.05 (0.0)
olvi4* 1.0 1.0 1.0 0.95
cmyn4* 0.0 0.0 0.0 0.05
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TC_{Ma} 99.99 0.01 -

 $n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 1.0 0.756 0.75 (1.0)
cmyn3* 0.0 0.244 0.25 (0.0)
olvi4* 1.0 0.756 0.75 1.0
cmyn4* 0.0 0.244 0.25 0.0
standard and adapted CIELAB
LAB*LAB 83.61 20.65 9.84
LAB*LABa 83.61 20.64 9.84
LAB*TC_{Ma} 87.5 22.86 25.49

relative Inform. Technology (IT)
olvi3* 0.86 0.226 0.108
cmyn3* 0.875 0.25 0.071
olvi4* 1.0 0.25 0.071
cmyn4* 0.0 0.488 0.5 0.0
standard and adapted CIELAB
LAB*LAB 71.81 41.31 19.68
LAB*LABa 71.81 41.28 19.68
LAB*TC_{Ma} 75.0 45.73 25.49

relative Inform. Technology (IT)
olvi3* 0.75 0.506 0.5 (1.0)
cmyn3* 0.25 0.494 0.5 (0.0)
olvi4* 1.0 0.512 0.5 0.75
cmyn4* 0.0 0.244 0.25 0.25
standard and adapted CIELAB
LAB*LAB 62.51 20.68 9.85
LAB*LABa 62.51 20.64 9.84
LAB*TC_{Ma} 62.5 22.87 25.49

relative Inform. Technology (IT)
olvi3* 0.61 0.226 0.108
cmyn3* 0.625 0.25 0.071
olvi4* 1.0 0.25 0.071
cmyn4* 0.0 0.488 0.5 0.25
standard and adapted CIELAB
LAB*LAB 50.71 41.33 19.69
LAB*LABa 50.71 41.29 19.68
LAB*TC_{Ma} 50.0 45.74 25.49

relative Inform. Technology (IT)
olvi3* 0.5 0.256 0.25 (1.0)
cmyn3* 0.5 0.744 0.75 (0.0)
olvi4* 1.0 0.756 0.75 0.5
cmyn4* 0.0 0.244 0.25 0.5
standard and adapted CIELAB
LAB*LAB 41.4 20.7 9.86
LAB*LABa 41.4 20.64 9.84
LAB*TC_{Ma} 37.5 22.87 25.49

relative Inform. Technology (IT)
olvi3* 0.36 0.226 0.108
cmyn3* 0.375 0.25 0.071
olvi4* 1.0 0.25 0.071
cmyn4* 0.0 0.488 0.5 0.5
standard and adapted CIELAB
LAB*LAB 29.6 41.35 19.69
LAB*LABa 29.6 41.29 19.67
LAB*TC_{Ma} 25.01 45.73 25.49

relative Inform. Technology (IT)
olvi3* 0.25 0.006 0.0 (1.0)
cmyn3* 0.75 0.994 1.0 (0.0)
olvi4* 1.0 0.756 0.75 0.25
cmyn4* 0.0 0.244 0.25 0.75
standard and adapted CIELAB
LAB*LAB 20.3 20.71 9.85
LAB*LABa 20.3 20.64 9.83
LAB*TC_{Ma} 12.5 22.86 25.46

relative Inform. Technology (IT)
olvi3* 0.11 0.226 0.107
cmyn3* 0.125 0.25 0.071
olvi4* 1.0 0.25 0.071
cmyn4* 0.0 0.488 0.5 0.75
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 0.01 -

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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

relative Inform. Technology (IT)
olvi3* 1.0 0.268 0.25 (1.0)
cmyn3* 0.0 0.732 0.75 (0.0)
olvi4* 1.0 0.268 0.25 1.0
cmyn4* 0.0 0.732 0.75 0.0
standard and adapted CIELAB
LAB*LAB 60.01 61.86 29.53
LAB*LABa 60.01 61.92 29.52
LAB*TC_{Ma} 62.5 68.6 25.49

relative Inform. Technology (IT)
olvi3* 0.75 0.262 0.25 (1.0)
cmyn3* 0.25 0.738 0.75 (0.0)
olvi4* 1.0 0.512 0.5 0.75
cmyn4* 0.0 0.488 0.5 0.25
standard and adapted CIELAB
LAB*LAB 50.71 41.33 19.69
LAB*LABa 50.71 41.29 19.68
LAB*TC_{Ma} 50.0 45.74 25.49

relative Inform. Technology (IT)
olvi3* 0.5 0.256 0.25 (1.0)
cmyn3* 0.5 0.744 0.75 (0.0)
olvi4* 1.0 0.756 0.75 0.5
cmyn4* 0.0 0.244 0.25 0.5
standard and adapted CIELAB
LAB*LAB 41.4 20.7 9.86
LAB*LABa 41.4 20.64 9.84
LAB*TC_{Ma} 37.5 22.87 25.49

relative Inform. Technology (IT)
olvi3* 0.36 0.226 0.108
cmyn3* 0.375 0.25 0.071
olvi4* 1.0 0.25 0.071
cmyn4* 0.0 0.488 0.5 0.5
standard and adapted CIELAB
LAB*LAB 29.6 41.35 19.69
LAB*LABa 29.6 41.29 19.67
LAB*TC_{Ma} 25.01 45.73 25.49

relative Inform. Technology (IT)
olvi3* 0.25 0.006 0.0 (1.0)
cmyn3* 0.75 0.994 1.0 (0.0)
olvi4* 1.0 0.756 0.75 0.25
cmyn4* 0.0 0.244 0.25 0.75
standard and adapted CIELAB
LAB*LAB 20.3 20.71 9.85
LAB*LABa 20.3 20.64 9.83
LAB*TC_{Ma} 12.5 22.86 25.46

relative Inform. Technology (IT)
olvi3* 0.11 0.226 0.107
cmyn3* 0.125 0.25 0.071
olvi4* 1.0 0.25 0.071
cmyn4* 0.0 0.488 0.5 0.75
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 0.01 -

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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ma} 0.0 0.0 0.0

 $n^* = 0,00$ $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

0,25

0,50

0,75

1,00

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$

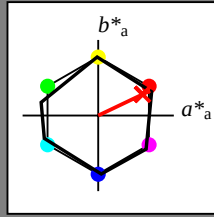
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 76 25

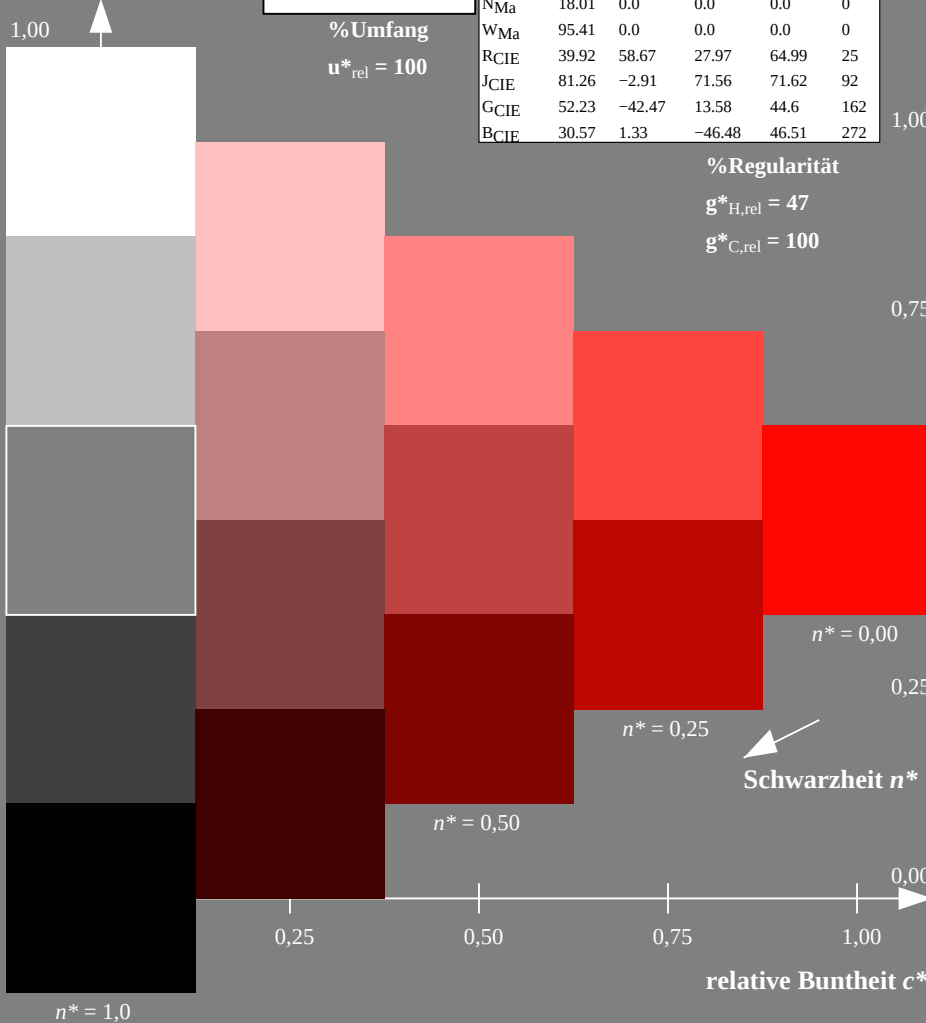
rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 100$



$n^* = 1,0$

relative Buntheit c^*

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,\text{rel}} = 47$

$g^*_{C,\text{rel}} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$

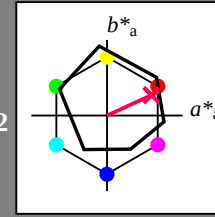
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

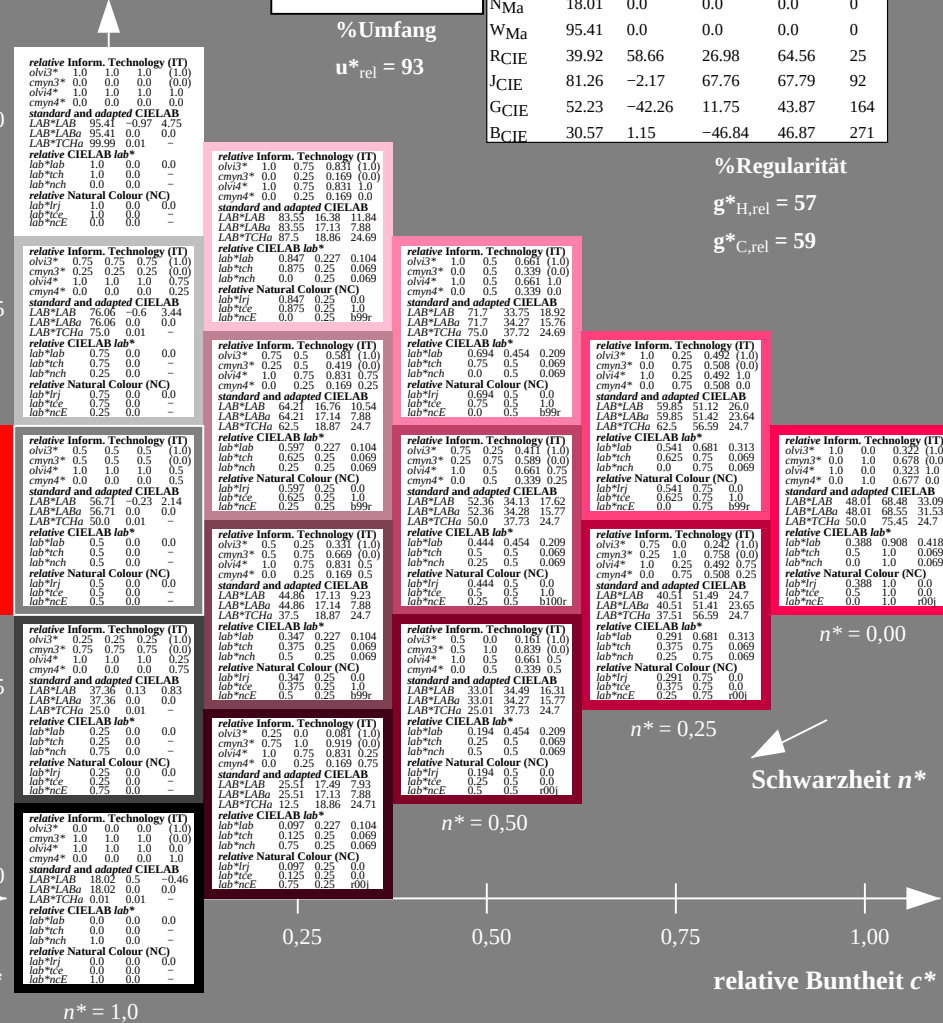
rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 93$



$n^* = 0,50$

relative Buntheit c^*

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
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

$g^*_{H,\text{rel}} = 57$

$g^*_{C,\text{rel}} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$

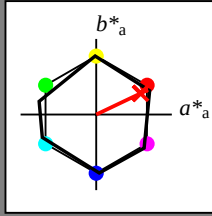
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 100$

NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
R _{Ma}	56.7	70.66	31.47	77.35	24	
J _{Ma}	56.7	-1.39	77.37	77.39	91	
G _{Ma}	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,\text{rel}} = 47$

$g^*_{C,\text{rel}} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$

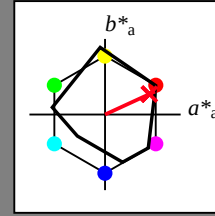
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 91$

relative Inform. Technology (IT)						
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$	$olvi8^*$
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	1.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	1.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	1.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	1.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB						
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb	LAB^*TChc
lab*lab	76.06	0.0	0.0	0.0	0.0	0.0
lab*tch	76.06	0.0	0.0	0.0	0.0	0.0
lab*nch	76.06	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	76.06	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)						
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$	$olvi8^*$
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.75	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.75	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.75	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.75	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.75
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB						
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb	LAB^*TChc
lab*lab	56.71	0.0	0.0	0.0	0.0	0.0
lab*tch	56.71	0.0	0.0	0.0	0.0	0.0
lab*nch	56.71	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	56.71	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)						
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$	$olvi8^*$
lab*lab	0.5	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.5	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.5	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.5	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.5	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.5
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB						
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb	LAB^*TChc
lab*lab	44.91	0.0	0.0	0.0	0.0	0.0
lab*tch	44.91	0.0	0.0	0.0	0.0	0.0
lab*nch	44.91	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	44.91	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)						
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$	$olvi8^*$
lab*lab	0.25	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.25	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.25	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.25	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.25	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.25
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB						
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb	LAB^*TChc
lab*lab	18.02	0.0	0.0	0.0	0.0	0.0
lab*tch	18.02	0.0	0.0	0.0	0.0	0.0
lab*nch	18.02	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	18.02	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

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

$g^*_{H,\text{rel}} = 41$

$g^*_{C,\text{rel}} = 52$

relative Inform. Technology (IT)						
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$	$olvi8^*$
lab*lab	1.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	1.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	1.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	1.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	1.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB						
	LAB^*LAB	LAB^*LABa	LAB^*LABb	LAB^*TCha	LAB^*TChb	LAB^*TChc
lab*lab	71.8	0.0	0.0	0.0	0.0	0.0
lab*tch	71.8	0.0	0.0	0.0	0.0	0.0
lab*nch	71.8	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	71.8	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)						
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$	$olvi8^*$
lab*lab	0.75	0.0	0.0	0.0	0.0	0.0
lab*tch	0.0	0.75	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.75	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.75	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.75	0.0
lab*tce	0.0	0.0	0.0	0.0	0.0	0.75
lab*nce	0.0	0.0	0.0	0.0	0.0	0.0

relative CIELAB lab*			
lab*lab	0.598	0.227	0.104
lab*tch	0.625	0.25	0.069
lab*nch	0.25	0.25	0.069
relative Natural Colour (NC)			
lab*lrj	0.598	0.25	0.0
lab*tce	0.625	0.25	1.0
lab*nce	0.25	0.25	b99r

5 stufige Reihen für konstanten CIELAB Buntton $25/360 = 0.069$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$

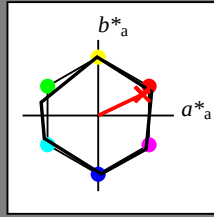
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 100$

NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,\text{rel}} = 47$

$g^*_{C,\text{rel}} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$

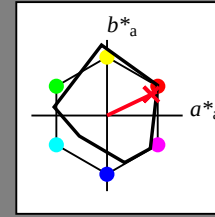
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 92$

MRS18a; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	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
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

$g^*_{H,\text{rel}} = 42$

$g^*_{C,\text{rel}} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Eingabe: Farbmetrisches Reflexions-System NRS18

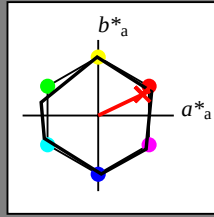
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS18

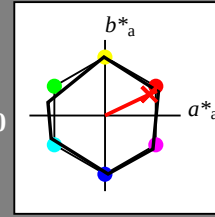
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NRS18

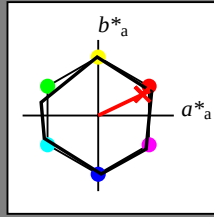
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmimetrisches Reflexions-System NCS18

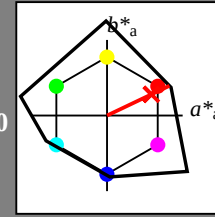
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TC_{Ma} 99.99 0.01 -

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 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TC_{Ma} 75.01 -

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 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TC_{Ma} 50.0 0.01 -

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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TC_{Ma} 25.0 0.01 -

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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ma} 0.01 0.01 -

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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TC_{Ma} 25.0 0.01 -

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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ma} 0.01 0.01 -

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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TC_{Ma} 25.0 0.01 -

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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ma} 0.01 0.01 -

 $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

relative Inform. Technology (IT)
olvi3* 1.0 0.756 0.75 (1.0)
cmyn3* 0.0 0.244 0.25 (0.0)
olvi4* 1.0 0.756 0.75 (1.0)
cmyn4* 0.0 0.244 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 83.61 20.63 9.84
LAB*LABa 83.61 20.63 9.84
LAB*TC_{Ma} 87.5 22.86 25.49

relative Inform. Technology (IT)
olvi3* 0.848 0.226 0.108
cmyn3* 0.875 0.25 0.071
olvi4* 1.0 0.512 0.5 (1.0)
cmyn4* 0.0 0.488 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 71.81 41.31 19.68
LAB*LABa 71.81 41.31 19.68
LAB*TC_{Ma} 75.0 45.72 25.49

relative Inform. Technology (IT)
olvi3* 0.75 0.506 0.5 (1.0)
cmyn3* 0.25 0.494 0.5 (0.0)
olvi4* 1.0 0.512 0.5 (1.0)
cmyn4* 0.0 0.488 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 64.26 20.63 9.84
LAB*LABa 64.26 20.63 9.84
LAB*TC_{Ma} 62.5 22.87 25.49

relative Inform. Technology (IT)
olvi3* 0.598 0.226 0.108
cmyn3* 0.625 0.25 0.071
olvi4* 1.0 0.512 0.5 (1.0)
cmyn4* 0.0 0.488 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 52.46 41.34 19.68
LAB*LABa 52.46 41.34 19.68
LAB*TC_{Ma} 50.0 45.73 25.49

relative Inform. Technology (IT)
olvi3* 0.5 0.256 0.25 (1.0)
cmyn3* 0.5 0.744 0.75 (0.0)
olvi4* 1.0 0.756 0.75 (1.0)
cmyn4* 0.0 0.244 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 44.91 20.71 9.86
LAB*LABa 44.91 20.71 9.86
LAB*TC_{Ma} 37.5 22.87 25.49

relative Inform. Technology (IT)
olvi3* 0.348 0.226 0.108
cmyn3* 0.375 0.25 0.071
olvi4* 1.0 0.512 0.5 (1.0)
cmyn4* 0.0 0.488 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 33.11 41.36 19.68
LAB*LABa 33.11 41.36 19.68
LAB*TC_{Ma} 25.01 45.73 25.49

relative Inform. Technology (IT)
olvi3* 0.25 0.006 0.0 (1.0)
cmyn3* 0.75 0.994 1.0 (0.0)
olvi4* 1.0 0.756 0.75 (1.0)
cmyn4* 0.0 0.244 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 25.56 20.73 9.85
LAB*LABa 25.56 20.73 9.85
LAB*TC_{Ma} 12.5 22.86 25.46

relative Inform. Technology (IT)
olvi3* 0.098 0.226 0.107
cmyn3* 0.125 0.25 0.071
olvi4* 1.0 0.756 0.75 (1.0)
cmyn4* 0.0 0.244 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ma} 0.01 0.01 -

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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ma} 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 1.0 0.512 0.5 (1.0)
cmyn3* 0.0 0.488 0.5 (0.0)
olvi4* 1.0 0.512 0.5 (1.0)
cmyn4* 0.0 0.488 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 71.81 41.31 19.68
LAB*LABa 71.81 41.31 19.68
LAB*TC_{Ma} 75.0 45.72 25.49

relative Inform. Technology (IT)
olvi3* 0.695 0.451 0.215
cmyn3* 0.75 0.5 0.071
olvi4* 1.0 0.512 0.5 (1.0)
cmyn4* 0.0 0.488 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 60.01 61.96 29.53
LAB*LABa 60.01 61.96 29.53
LAB*TC_{Ma} 62.5 68.59 25.49

relative Inform. Technology (IT)
olvi3* 0.75 0.262 0.25 (1.0)
cmyn3* 0.25 0.738 0.75 (0.0)
olvi4* 1.0 0.512 0.5 (1.0)
cmyn4* 0.0 0.488 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 52.46 41.34 19.68
LAB*LABa 52.46 41.34 19.68
LAB*TC_{Ma} 50.0 45.73 25.49

relative Inform. Technology (IT)
olvi3* 0.445 0.5 0.0
cmyn3* 0.5 0.5 1.0
olvi4* 1.0 0.512 0.5 (1.0)
cmyn4* 0.0 0.488 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 40.66 61.99 29.53
LAB*LABa 40.66 61.99 29.53
LAB*TC_{Ma} 37.51 68.59 25.48

relative Inform. Technology (IT)
olvi3* 0.293 0.677 0.323
cmyn3* 0.25 0.982 1.0 (0.0)
olvi4* 1.0 0.268 0.25 (0.0)
cmyn4* 0.0 0.732 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 48.21 82.51 39.36
LAB*LABa 48.21 82.51 39.36
LAB*TC_{Ma} 45.0 91.45 25.48

relative Inform. Technology (IT)
olvi3* 0.5 0.012 0.0 (1.0)
cmyn3* 0.5 0.988 1.0 (0.0)
olvi4* 1.0 0.512 0.5 (1.0)
cmyn4* 0.0 0.488 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 33.11 41.36 19.68
LAB*LABa 33.11 41.36 19.68
LAB*TC_{Ma} 25.01 45.73 25.49

relative Inform. Technology (IT)
olvi3* 0.195 0.451 0.215
cmyn3* 0.25 0.5 0.071
olvi4* 1.0 0.512 0.5 (1.0)
cmyn4* 0.0 0.488 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 25.56 20.73 9.85
LAB*LABa 25.56 20.73 9.85
LAB*TC_{Ma} 12.5 22.86 25.46

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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ma} 0.01 0.01 -

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 0.756 0.75 (1.0)
cmyn4* 0.0 0.244 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TC_{Ma} 25.0 0.01 -

 $n^* = 0,50$ $n^* = 0,00$ $n^* = 0,25$ Schwarzheit n^* relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Eingabe: Farbmetrisches Reflexions-System NRS18

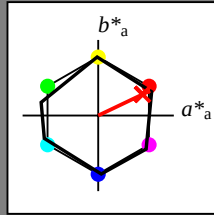
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

1,00

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

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Ausgabe: Farbmetrisches Reflexions-System NRS11

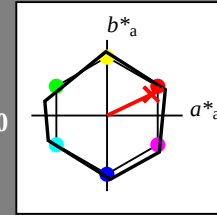
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.31 0.0 0.0
LAB*LABa 74.31 0.0 0.0
LAB*TCRa 75.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.0 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCRa 50.0 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 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 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TCRa 25.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 -
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.125 0.125 0.125 (1.0)
cmyn3* 0.125 0.125 0.125 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.125 0.0 0.0
lab*tch 0.125 0.0 -
lab*nch 0.125 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.125 0.0 0.0
lab*tce 0.125 0.0 0.0
lab*nce 0.125 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0625 0.0625 0.0625 (1.0)
cmyn3* 0.0625 0.0625 0.0625 (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 2.75 0.0 0.0
LAB*LABa 2.75 0.0 0.0
LAB*TCRa 0.00625 -

relative CIELAB lab*
lab*lab 0.0625 0.0 0.0
lab*tch 0.0625 0.0 -
lab*nch 0.0625 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0625 0.0 0.0
lab*tce 0.0625 0.0 0.0
lab*nce 0.0625 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.03125 0.03125 0.03125 (1.0)
cmyn3* 0.03125 0.03125 0.03125 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.6875 0.0 0.0
LAB*LABa 0.6875 0.0 0.0
LAB*TCRa 0.0015625 -

relative CIELAB lab*
lab*lab 0.03125 0.0 0.0
lab*tch 0.03125 0.0 -
lab*nch 0.03125 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.03125 0.0 0.0
lab*tce 0.03125 0.0 0.0
lab*nce 0.03125 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.015625 0.015625 0.015625 (1.0)
cmyn3* 0.015625 0.015625 0.015625 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.171875 0.0 0.0
LAB*LABa 0.171875 0.0 0.0
LAB*TCRa 0.000390625 -

relative CIELAB lab*
lab*lab 0.015625 0.0 0.0
lab*tch 0.015625 0.0 -
lab*nch 0.015625 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.015625 0.0 0.0
lab*tce 0.015625 0.0 0.0
lab*nce 0.015625 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0078125 0.0078125 0.0078125 (1.0)
cmyn3* 0.0078125 0.0078125 0.0078125 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.04296875 0.0 0.0
LAB*LABa 0.04296875 0.0 0.0
LAB*TCRa 0.00009765625 -

relative CIELAB lab*
lab*lab 0.0078125 0.0 0.0
lab*tch 0.0078125 0.0 -
lab*nch 0.0078125 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0078125 0.0 0.0
lab*tce 0.0078125 0.0 0.0
lab*nce 0.0078125 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.00390625 0.00390625 0.00390625 (1.0)
cmyn3* 0.00390625 0.00390625 0.00390625 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0107421875 0.0 0.0
LAB*LABa 0.0107421875 0.0 0.0
LAB*TCRa 0.0000244140625 -

relative CIELAB lab*
lab*lab 0.00390625 0.0 0.0
lab*tch 0.00390625 0.0 -
lab*nch 0.00390625 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.00390625 0.0 0.0
lab*tce 0.00390625 0.0 0.0
lab*nce 0.00390625 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.001953125 0.001953125 0.001953125 (1.0)
cmyn3* 0.001953125 0.001953125 0.001953125 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.002685546875 0.0 0.0
LAB*LABa 0.002685546875 0.0 0.0
LAB*TCRa 0.00001220703125 -

relative CIELAB lab*
lab*lab 0.001953125 0.0 0.0
lab*tch 0.001953125 0.0 -
lab*nch 0.001953125 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.001953125 0.0 0.0
lab*tce 0.001953125 0.0 0.0
lab*nce 0.001953125 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.757 0.75 (1.0)
cmyn3* 0.0 0.243 0.25 (0.0)
olvi4* 1.0 0.757 0.75 (1.0)
cmyn4* 0.0 0.243 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 84.85 18.73 8.92
LAB*LABa 84.85 18.73 8.92
LAB*TCRa 87.5 20.73 25.49

relative CIELAB lab*
lab*lab 0.875 0.226 0.108
lab*tch 0.875 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.875 0.25 0.0
lab*tce 0.875 0.25 0.0
lab*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.507 0.5 (1.0)
cmyn3* 0.25 0.493 0.5 (0.0)
olvi4* 1.0 0.514 0.5 (1.0)
cmyn4* 0.0 0.243 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 63.75 18.73 8.93
LAB*LABa 63.75 18.73 8.93
LAB*TCRa 62.5 20.74 25.49

relative CIELAB lab*
lab*lab 0.625 0.226 0.108
lab*tch 0.625 0.25 0.071
lab*nch 0.25 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.625 0.25 0.0
lab*tce 0.625 0.25 0.0
lab*nce 0.25 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.257 0.25 (1.0)
cmyn3* 0.5 0.243 0.25 (0.0)
olvi4* 1.0 0.757 0.75 (1.0)
cmyn4* 0.0 0.243 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.0 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCRa 50.0 -

relative CIELAB lab*
lab*lab 0.5 0.257 0.25 (1.0)
lab*tch 0.5 0.257 0.25 (1.0)
lab*nch 0.25 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.5 0.257 0.25 (1.0)
lab*tce 0.5 0.257 0.25 (1.0)
lab*nce 0.25 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.257 0.25 (1.0)
cmyn3* 0.25 0.243 0.25 (0.0)
olvi4* 1.0 0.757 0.75 (1.0)
cmyn4* 0.0 0.243 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*TCRa 25.0 -

relative CIELAB lab*
lab*lab 0.25 0.257 0.25 (1.0)
lab*tch 0.25 0.257 0.25 (1.0)
lab*nch 0.25 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.25 0.257 0.25 (1.0)
lab*tce 0.25 0.257 0.25 (1.0)
lab*nce 0.25 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.125 0.125 0.125 (1.0)
cmyn3* 0.125 0.125 0.125 (0.0)
olvi4* 1.0 0.757 0.75 (1.0)
cmyn4* 0.0 0.243 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.125 0.125 0.125 (1.0)
lab*tch 0.125 0.125 0.125 (1.0)
lab*nch 0.125 0.125 0.071
relative Natural Colour (NC)
lab*trj 0.125 0.125 0.125 (1.0)
lab*tce 0.125 0.125 0.125 (1.0)
lab*nce 0.125 0.125 0.071

relative Inform. Technology (IT)
olvi3* 0.0625 0.0625 0.0625 (1.0)
cmyn3* 0.0625 0.0625 0.0625 (0.0)
olvi4* 1.0 0.757 0.75 (1.0)
cmyn4* 0.0 0.243 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 2.75 0.0 0.0
LAB*LABa 2.75 0.0 0.0
LAB*TCRa 0.00625 -

relative CIELAB lab*
lab*lab 0.0625 0.0625 0.0625 (1.0)
lab*tch 0.0625 0.0625 0.0625 (1.0)
lab*nch 0.0625 0.0625 0.071
relative Natural Colour (NC)
lab*trj 0.0625 0.0625 0.0625 (1.0)
lab*tce 0.0625 0.0625 0.0625 (1.0)
lab*nce 0.0625 0.0625 0.071

relative Inform. Technology (IT)
olvi3* 0.03125 0.03125 0.03125 (1.0)
cmyn3* 0.03125 0.03125 0.03125 (0.0)
olvi4* 1.0 0.757 0.75 (1.0)
cmyn4* 0.0 0.243 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 0.6875 0.0 0.0
LAB*LABa 0.6875 0.0 0.0
LAB*TCRa 0.003125 -

relative CIELAB lab*
lab*lab 0.03125 0.03125 0.03125 (1.0)
lab*tch 0.03125 0.03125 0.03125 (1.0)
lab*nch 0

Eingabe: Farbmetrisches Reflexions-System NRS18

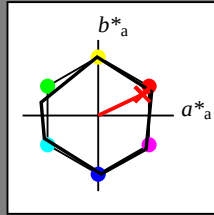
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmetrisches Reflexions-System NCS11

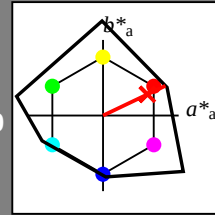
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 25/360 = 0.071$

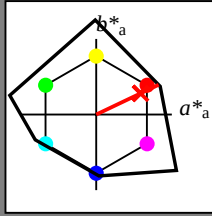
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

1,00

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 25/360 = 0.069$

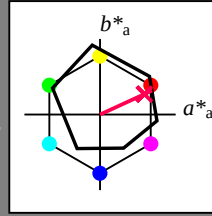
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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Eingabe: Farbmetrisches Reflexions-System NCS18

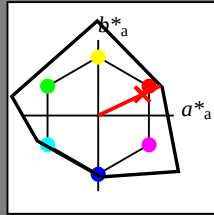
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

1,00

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Ausgabe: Farbmetrisches Reflexions-System MRS18

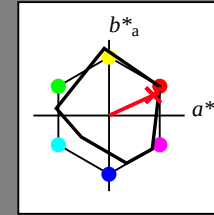
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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Eingabe: Farbmimetrisches Reflexions-System NCS18

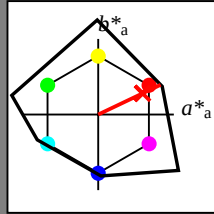
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmimetrisches Reflexions-System TRS18

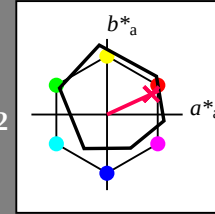
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

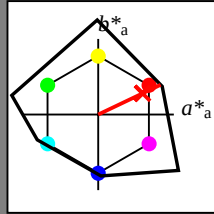
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

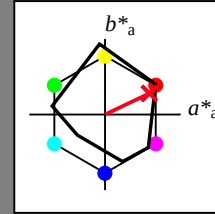
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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
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

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.522 (1.0)
cmyn3* 0.0 0.5 0.448 (0.0)
olvi4* 1.0 0.5 0.522 (1.0)
cmyn4* 0.0 0.5 0.448 (0.0)
standard and adapted CIELAB
LAB*LAB 71.76 32.94 15.69
LAB*LABa 71.76 32.9 15.68
LAB*TCRa 75.0 36.45 25.49

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.522 (1.0)
cmyn3* 0.0 0.5 0.448 (0.0)
olvi4* 1.0 0.5 0.522 (1.0)
cmyn4* 0.0 0.5 0.448 (0.0)
standard and adapted CIELAB
LAB*LAB 71.76 32.94 15.69
LAB*LABa 71.76 32.9 15.68
LAB*TCRa 75.0 36.45 25.49

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.522 (1.0)
cmyn3* 0.0 0.5 0.448 (0.0)
olvi4* 1.0 0.5 0.522 (1.0)
cmyn4* 0.0 0.5 0.448 (0.0)
standard and adapted CIELAB
LAB*LAB 71.76 32.94 15.69
LAB*LABa 71.76 32.9 15.68
LAB*TCRa 75.0 36.45 25.49

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.522 (1.0)
cmyn3* 0.0 0.5 0.448 (0.0)
olvi4* 1.0 0.5 0.522 (1.0)
cmyn4* 0.0 0.5 0.448 (0.0)
standard and adapted CIELAB
LAB*LAB 71.76 32.94 15.69
LAB*LABa 71.76 32.9 15.68
LAB*TCRa 75.0 36.45 25.49

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.522 (1.0)
cmyn3* 0.0 0.5 0.448 (0.0)
olvi4* 1.0 0.5 0.522 (1.0)
cmyn4* 0.0 0.5 0.448 (0.0)
standard and adapted CIELAB
LAB*LAB 71.76 32.94 15.69
LAB*LABa 71.76 32.9 15.68
LAB*TCRa 75.0 36.45 25.49

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.522 (1.0)
cmyn3* 0.0 0.5 0.448 (0.0)
olvi4* 1.0 0.5 0.522 (1.0)
cmyn4* 0.0 0.5 0.448 (0.0)
standard and adapted CIELAB
LAB*LAB 71.76 32.94 15.69
LAB*LABa 71.76 32.9 15.68
LAB*TCRa 75.0 36.45 25.49

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.522 (1.0)
cmyn3* 0.0 0.5 0.448 (0.0)
olvi4* 1.0 0.5 0.522 (1.0)
cmyn4* 0.0 0.5 0.448 (0.0)
standard and adapted CIELAB
LAB*LAB 71.76 32.94 15.69
LAB*LABa 71.76 32.9 15.68
LAB*TCRa 75.0 36.45 25.49

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.522 (1.0)
cmyn3* 0.0 0.5 0.448 (0.0)
olvi4* 1.0 0.5 0.522 (1.0)
cmyn4* 0.0 0.5 0.448 (0.0)
standard and adapted CIELAB
LAB*LAB 71.76 32.94 15.69
LAB*LABa 71.76 32.9 15.68
LAB*TCRa 75.0 36.45 25.49

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.522 (1.0)
cmyn3* 0.0 0.5 0.448 (0.0)
olvi4* 1.0 0.5 0.522 (1.0)
cmyn4* 0.0 0.5 0.448 (0.0)
standard and adapted CIELAB
LAB*LAB 71.76 32.94 15.69
LAB*LABa 71.76 32.9 15.68
LAB*TCRa 75.0 36.45 25.49

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.522 (1.0)
cmyn3* 0.0 0.5 0.448 (0.0)
olvi4* 1.0 0.5 0.522 (1.0)
cmyn4* 0.0 0.5 0.448 (0.0)
standard and adapted CIELAB
LAB*LAB 71.76 32.94 15.69
LAB*LABa 71.76 32.9 15.68
LAB*TCRa 75.0 36.45 25.49

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

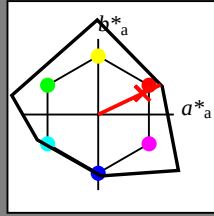
für Buntton $h^* = lab^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

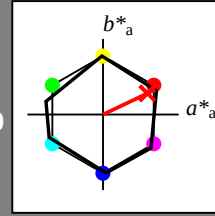
für Buntton $h^* = lab^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

1,00

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relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*nce 0.0 0.0 -
lab*nce 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 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCRa 75.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*nce 0.25 0.0 -
lab*nce 0.25 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 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCRa 50.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*nce 0.5 0.0 -
lab*nce 0.5 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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCRa 25.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*nce 0.25 0.0 -
lab*nce 0.25 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 0.0 0.0 -
lab*nce 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 0.0 0.0 -
lab*nce 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 1.0 0.757 0.75 (1.0)
cmyn3* 0.0 0.243 0.25 (0.0)
olvi4* 1.0 0.757 0.75 (1.0)
cmyn4* 0.0 0.243 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 85.73 17.18 8.18
LAB*LABa 85.73 17.18 8.18
LAB*TCRa 87.5 19.01 25.49

relative CIELAB lab*
lab*lab 0.875 0.226 0.108
lab*ch 0.875 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.875 0.25 0.0
lab*nce 0.875 0.25 0.0
lab*nce 0.0 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.507 0.5 (1.0)
cmyn3* 0.25 0.493 0.5 (0.0)
olvi4* 1.0 0.757 0.75 (1.0)
cmyn4* 0.0 0.243 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 17.21 8.19
LAB*LABa 66.38 17.21 8.19
LAB*TCRa 62.5 19.02 25.49

relative CIELAB lab*
lab*lab 0.625 0.226 0.108
lab*ch 0.625 0.25 0.071
lab*nch 0.25 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.625 0.25 0.0
lab*nce 0.625 0.25 0.0
lab*nce 0.25 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.257 0.25 (1.0)
cmyn3* 0.5 0.243 0.25 (0.0)
olvi4* 1.0 0.757 0.75 (1.0)
cmyn4* 0.0 0.243 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.03 17.23 8.2
LAB*LABa 47.03 17.23 8.2
LAB*TCRa 37.5 19.02 25.49

relative CIELAB lab*
lab*lab 0.375 0.226 0.108
lab*ch 0.375 0.25 0.071
lab*nch 0.5 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.375 0.25 0.0
lab*nce 0.375 0.25 0.0
lab*nce 0.5 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.007 0.0 (1.0)
cmyn3* 0.75 0.993 1.0 (0.0)
olvi4* 1.0 0.757 0.75 (1.0)
cmyn4* 0.0 0.243 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 27.69 17.25 8.2
LAB*LABa 27.69 17.25 8.2
LAB*TCRa 12.5 19.01 25.49

relative CIELAB lab*
lab*lab 0.125 0.226 0.107
lab*ch 0.125 0.25 0.071
lab*nch 0.75 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.125 0.25 0.0
lab*nce 0.125 0.25 0.0
lab*nce 0.75 0.25 0.071

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 0.0 0.0 -
lab*nce 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 0.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 1.0 0.514 0.5 (1.0)
cmyn3* 0.0 0.486 0.5 (0.0)
olvi4* 1.0 0.514 0.5 (1.0)
cmyn4* 0.0 0.486 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.05 34.36 16.37
LAB*LABa 76.05 34.33 16.36
LAB*TCRa 75.0 38.03 25.49

relative CIELAB lab*
lab*lab 0.75 0.451 0.215
lab*ch 0.75 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.75 0.5 0.0
lab*nce 0.75 0.5 0.0
lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.264 0.25 (1.0)
cmyn3* 0.25 0.736 0.75 (0.0)
olvi4* 1.0 0.514 0.5 (1.0)
cmyn4* 0.0 0.486 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 34.38 16.38
LAB*LABa 56.7 34.33 16.37
LAB*TCRa 50.0 38.03 25.49

relative CIELAB lab*
lab*lab 0.5 0.451 0.215
lab*ch 0.5 0.5 0.071
lab*nch 0.25 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.0
lab*nce 0.5 0.5 0.0
lab*nce 0.25 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.014 0.0 (1.0)
cmyn3* 0.5 0.986 1.0 (0.0)
olvi4* 1.0 0.514 0.5 (1.0)
cmyn4* 0.0 0.486 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 34.41 16.38
LAB*LABa 37.36 34.33 16.36
LAB*TCRa 25.01 38.03 25.49

relative CIELAB lab*
lab*lab 0.25 0.451 0.215
lab*ch 0.25 0.5 0.071
lab*nch 0.5 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.25 0.5 0.0
lab*nce 0.25 0.5 0.0
lab*nce 0.5 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.007 0.0 (1.0)
cmyn3* 0.75 0.993 1.0 (0.0)
olvi4* 1.0 0.757 0.75 (1.0)
cmyn4* 0.0 0.243 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 27.69 17.25 8.2
LAB*LABa 27.69 17.25 8.2
LAB*TCRa 12.5 19.01 25.49

relative CIELAB lab*
lab*lab 0.125 0.226 0.107
lab*ch 0.125 0.25 0.071
lab*nch 0.75 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.125 0.25 0.0
lab*nce 0.125 0.25 0.0
lab*nce 0.75 0.25 0.071

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 0.0 0.0 -
lab*nce 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 0.0 0.0 -
lab*nce 0.0 0.0 -

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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
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

Eingabe: Farbmetrisches Reflexions-System NCS18

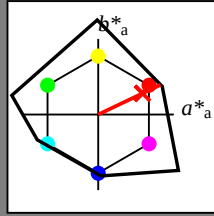
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

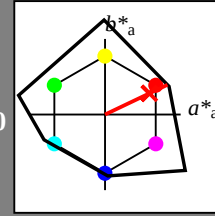
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

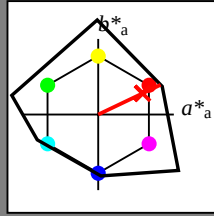
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS11

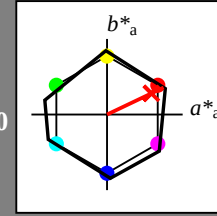
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS18

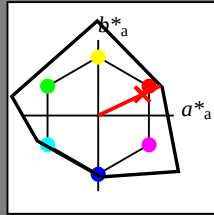
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmimetrisches Reflexions-System NCS11

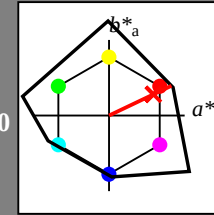
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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 $n^* = 1,0$

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relative Buntheit c^* Schwarzheit n^* $n^* = 0,25$ $n^* = 0,00$

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 $n^* = 1,0$

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%Regularität

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%Regularität

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Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$

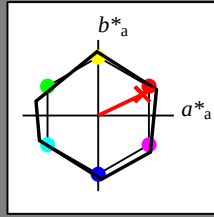
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 119$

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0,75

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,\text{rel}} = 47$

$g^*_{C,\text{rel}} = 100$

1,00

0,75

0,50

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0,75

1,00

Schwarzheit n^*

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$

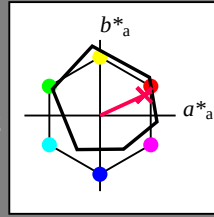
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 93$

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0,25

0,50

0,75

1,00

$n^* = 1,0$

%Regularität

$g^*_{H,\text{rel}} = 57$

$g^*_{C,\text{rel}} = 59$

1,00

0,75

0,50

0,25

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0,25

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0,75

1,00

%Regularität

$g^*_{H,\text{rel}} = 57$

$g^*_{C,\text{rel}} = 59$

1,00

0,75

0,50

0,25

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0,25

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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

$g^*_{H,\text{rel}} = 57$

$g^*_{C,\text{rel}} = 59$

1,00

0,75

0,50

0,25

0,00

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0,25

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1,00

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$

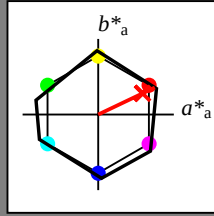
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,\text{rel}} = 47$

$g^*_{C,\text{rel}} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$

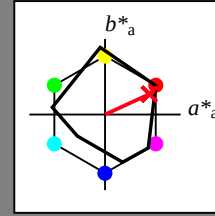
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 91$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	4.75	
LAB*LABa	95.41	0.0	0.0		
LAB*TCHa	99.99	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		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	0.0	3.44	
LAB*LABa	76.06	0.0	0.0		
LAB*TCHa	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		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	0.0	2.14	
LAB*LABa	56.71	0.0	0.0		
LAB*TCHa	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		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*tce	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.36	0.0	0.0	0.83	
LAB*LABa	37.36	0.0	0.0		
LAB*TCHa	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		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*tce	0.25	0.0	0.0		
lab*nce	0.75	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*LABa	18.02	0.0	0.0		
LAB*TCHa	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		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

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

$g^*_{H,\text{rel}} = 41$

$g^*_{C,\text{rel}} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

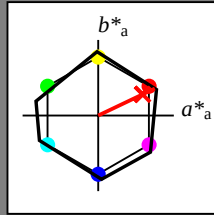
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmetrisches Reflexions-System TRS18

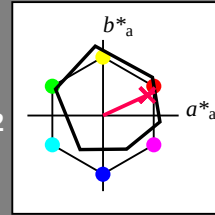
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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%Regularität

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$

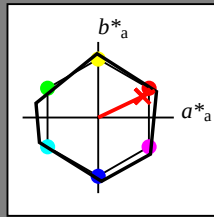
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,\text{rel}} = 47$

$g^*_{C,\text{rel}} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$

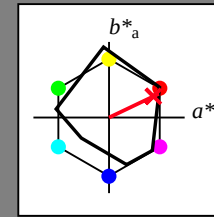
lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 92$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*nch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	1.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0	0.0	0.0
lab*trj	1.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.25	0.25	0.25	0.25	0.25
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	75.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*lab	0.75	0.0	0.0	0.0	0.0
lab*nch	0.25	1.0	0.0	0.0	0.0
lab*nch	0.25	1.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.75	0.25	0.0	0.0	0.0
lab*trj	0.75	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.5	0.5	0.5	0.5	0.5
LAB*LAB	56.71	0.0	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	50.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*nch	0.5	1.0	0.0	0.0	0.0
lab*nch	0.5	1.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.5	0.5	0.0	0.0	0.0
lab*trj	0.5	0.5	0.0	0.0	0.0
lab*nce	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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75	0.75
LAB*LAB	44.88	0.0	0.0	0.0	0.0
LAB*LABa	44.88	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	37.5	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*nch	0.25	1.0	0.0	0.0	0.0
lab*nch	0.25	1.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.25	0.0	0.0	0.0
lab*trj	0.25	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	1.0	1.0	1.0	1.0	1.0
LAB*LAB	30.57	0.0	0.0	0.0	0.0
LAB*LABa	30.57	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	1.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.25	0.25	0.25	0.25	0.25
LAB*LAB	56.71	0.0	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	50.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*lab	0.5	0.0	0.0	0.0	0.0
lab*nch	0.5	1.0	0.0	0.0	0.0
lab*nch	0.5	1.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.5	0.5	0.0	0.0	0.0
lab*trj	0.5	0.5	0.0	0.0	0.0
lab*nce	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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.5	0.5	0.5	0.5	0.5
LAB*LAB	44.88	0.0	0.0	0.0	0.0
LAB*LABa	44.88	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	37.5	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*nch	0.25	1.0	0.0	0.0	0.0
lab*nch	0.25	1.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.25	0.0	0.0	0.0
lab*trj	0.25	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.75	0.75	0.75	0.75	0.75
LAB*LAB	30.57	0.0	0.0	0.0	0.0
LAB*LABa	30.57	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*lab	0.25	0.0	0.0	0.0	0.0
lab*nch	0.25	1.0	0.0	0.0	0.0
lab*nch	0.25	1.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.25	0.25	0.0	0.0	0.0
lab*trj	0.25	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	1.0	1.0	1.0	1.0	1.0
LAB*LAB	18.02	0.0	0.0	0.0	0.0
LAB*LABa	18.02	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	12.5	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	1.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TC _{Ma}	99.99	0.01	-	-	-
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*nch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	1.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0	0.0	0.0
lab*trj	1.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

Eingabe: Farbmetrisches Reflexions-System NRS11

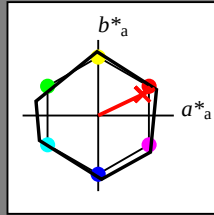
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

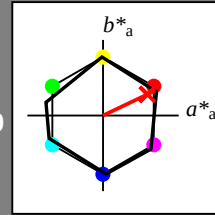
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

lab*lab

lab*nch

lab*nce

lab*nce

lab*nce

lab*nce

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lab*nce

lab*nce

lab*nce

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lab*nce

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

lab*lab

lab*nch

lab*nce

lab*nce

lab*nce

lab*nce

lab*nce

lab*nce

lab*nce

lab*nce

lab*nce

lab*nce

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%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

lab*lab

lab*nch

lab*nce

lab*nce

lab*nce

lab*nce

lab*nce

lab*nce

lab*nce

lab*nce

lab*nce

lab*nce

lab*nce

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%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

lab*lab

lab*nch

lab*nce

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

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relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

lab*lab

lab*nch

lab*nce

lab*nce

lab*nce

lab*nce

lab*nce

lab*nce

Eingabe: Farbmimetrisches Reflexions-System NRS11

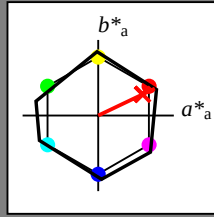
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regelartit

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmimetrisches Reflexions-System NCS18

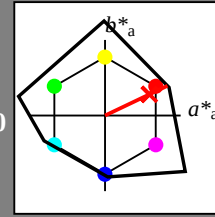
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

%Regelartit

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

Eingabe: Farbmimetrisches Reflexions-System NRS11

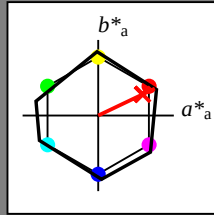
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

1,00

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regelartit

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmimetrisches Reflexions-System NRS11

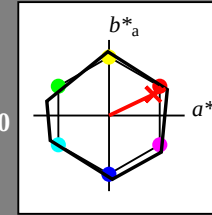
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regelartit

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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 $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

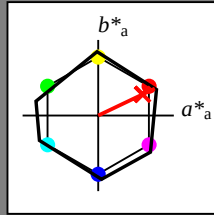
für Buntton $h^* = lab^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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Ausgabe: Farbmetrisches Reflexions-System NCS11

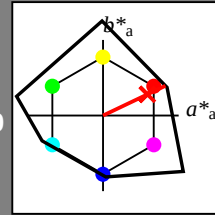
für Buntton $h^* = lab^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

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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 (0.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

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lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 1.0 0.756 0.75 (1.0)

cmyn3* 0.0 0.244 0.25 (0.0)

olvi4* 1.0 0.756 0.75 (1.0)

cmyn4* 0.0 0.244 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 83.61 20.65 9.84

LAB*LABa 83.61 20.64 9.84

LAB*LABb 83.61 20.64 9.84

relative CIELAB lab*

lab*lab 0.86 0.226 0.108

lab*lab 0.86 0.226 0.108

lab*nch 0.0 0.25 0.071

relative Natural Colour (NC)

lab*trj 0.86 0.25 0.0

lab*trj 0.86 0.25 0.0

lab*trj 0.86 0.25 0.0

lab*trj 0.86 0.25 0.0

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lab*trj 0.86 0.25 0.0

lab*trj 0.86 0.25 0.0

relative Inform. Technology (IT)

olvi3* 1.0 0.512 0.5 (1.0)

cmyn3* 0.0 0.488 0.5 (0.0)

olvi4* 1.0 0.512 0.5 (1.0)

cmyn4* 0.0 0.488 0.5 (0.0)

standard and adapted CIELAB

LAB*LAB 71.81 41.31 19.68

LAB*LABa 71.81 41.28 19.68

LAB*LABb 71.81 41.28 19.68

relative CIELAB lab*

lab*lab 0.72 0.451 0.215

lab*lab 0.72 0.451 0.215

lab*nch 0.0 0.5 0.071

relative Natural Colour (NC)

lab*trj 0.72 0.5 0.0

lab*trj 0.72 0.5 0.0

lab*trj 0.72 0.5 0.0

lab*trj 0.72 0.5 0.0

lab*trj 0.72 0.5 0.0

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lab*trj 0.72 0.5 0.0

lab*trj 0.72 0.5 0.0

lab*trj 0.72 0.5 0.0

NCS11; adaptierte CIELAB-Daten

 $L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$

RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

relative Inform. Technology (IT)

olvi3* 1.0 0.268 0.25 (1.0)

cmyn3* 0.0 0.732 0.75 (0.0)

olvi4* 1.0 0.268 0.25 (1.0)

cmyn4* 0.0 0.732 0.75 (0.0)

standard and adapted CIELAB

LAB*LAB 60.01 61.86 29.52

LAB*LABa 60.01 61.86 29.52

LAB*LABb 60.01 61.86 29.52

relative CIELAB lab*

lab*lab 0.581 0.677 0.323

lab*lab 0.581 0.677 0.323

lab*nch 0.0 0.75 0.071

relative Natural Colour (NC)

lab*trj 0.581 0.75 0.0

lab*trj 0.581 0.75 0.0

lab*trj 0.581 0.75 0.0

lab*trj 0.581 0.75 0.0

lab*trj 0.581 0.75 0.0

lab*trj 0.581 0.75 0.0

lab*trj 0.581 0.75 0.0

lab*trj 0.581 0.75 0.0

lab*trj 0.581 0.75 0.

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 25/360 = 0.071$

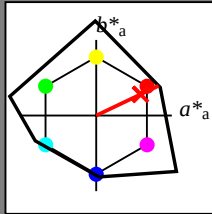
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 25/360 = 0.069$

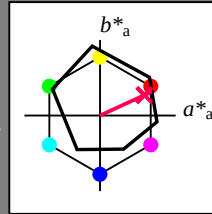
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%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
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

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

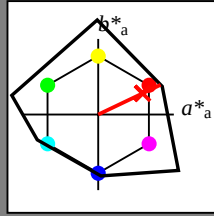
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System TRS18

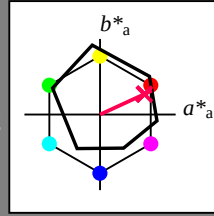
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.069$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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%Regularität

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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%Regularität

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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%Regularität

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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 $n^* = 1,0$

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 $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^*

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 $n^* = 1,0$

0,25

 $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^*

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

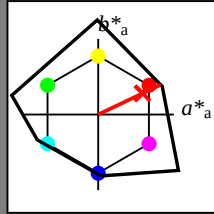
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

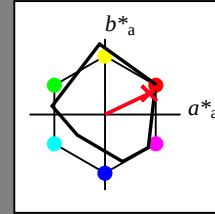
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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Eingabe: Farbmetrisches Reflexions-System NCS11

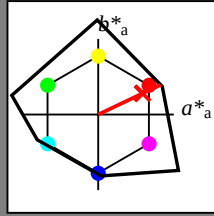
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

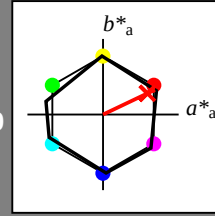
für Buntton $h^* = \text{lab}^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 57 76 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

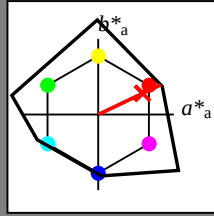
für Buntton $h^* = lab^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

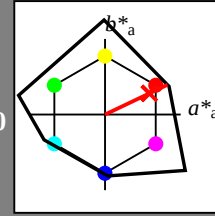
für Buntton $h^* = lab^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

Eingabe: Farbmimetrisches Reflexions-System NCS11

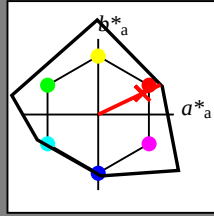
für Buntton $h^* = lab^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

1,00

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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Ausgabe: Farbmimetrisches Reflexions-System NRS11

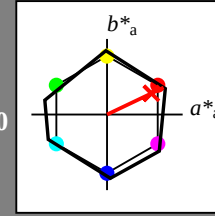
für Buntton $h^* = lab^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

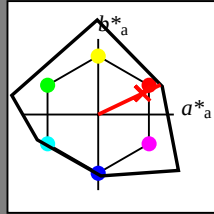
für Buntton $h^* = lab^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	47.15	84.64	37.25	92.48	24	
JMa	91.37	-1.27	125.03	125.03	91	
GMa	63.07	-114.28	25.35	117.06	167	
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203	
B _{Ma}	49.01	3.65	-81.19	81.28	273	
B50R _{Ma}	44.06	106.09	-73.93	129.32	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

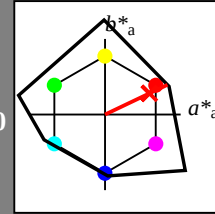
für Buntton $h^* = lab^*h = 25/360 = 0.071$ lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

1,00

0,75

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

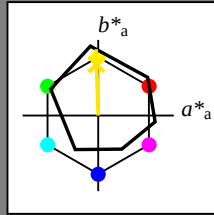
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links)

Ausgabe: Farbmetrisches Reflexions-System ORS18

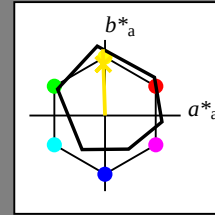
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System ORS18

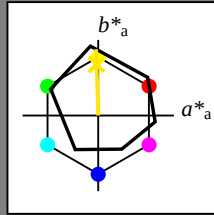
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18

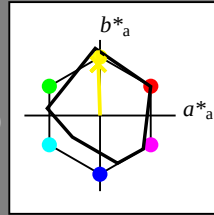
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System ORS18

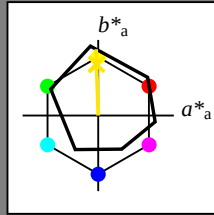
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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Ausgabe: Farbmimetrisches Reflexions-System TRS18

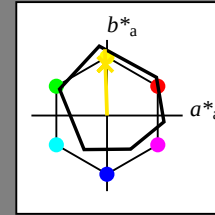
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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 $n^* = 1,0$

0,25

 $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$

0,25

 $n^* = 0,50$ $n^* = 0,25$ Schwarzheit n^* relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links)5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

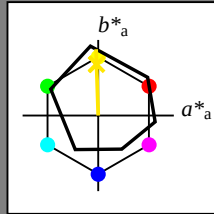
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

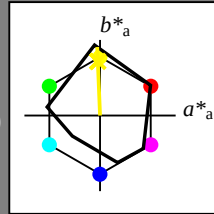
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$ $n^* = 0,00$ $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$ relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

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

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$

1,00

0,75

0,25

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ $n^* = 0,75$ $n^* = 1,0$ $n^* = 1,0$ $n^* = 1,0$ $n^* = 1,0$ $n^* = 1,0$ $n^* = 1,0$ $n^* = 1,0$ $n^* = 1,0$ $n^* = 1,0$ $n^* = 1,0$

Eingabe: Farbmetrisches Reflexions-System ORS18

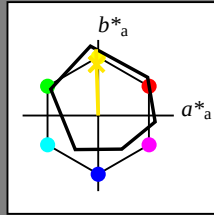
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links)

Ausgabe: Farbmetrisches Reflexions-System NRS18

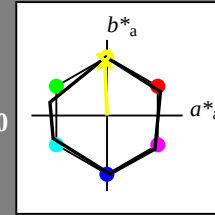
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$ $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

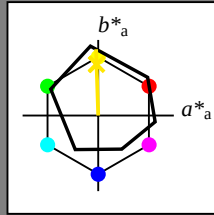
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

1,00

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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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

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Ausgabe: Farbmetrisches Reflexions-System NCS18

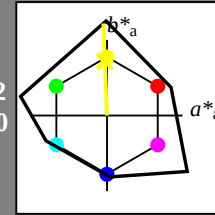
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

1,00

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%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

relative Inform. Technology (IT)

relative Natural Colour (NC)

standard and adapted CIELAB

relative CIELAB lab*

 $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links)5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

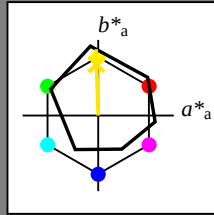
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS11

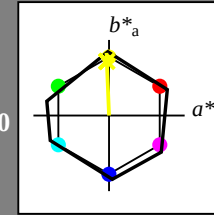
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 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 0.0
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 74.31 0.0 0.0
LAB*LABa 74.31 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 -
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 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 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 53.21 0.0 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 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 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.01
LAB*LABa 32.11 0.0 0.0
LAB*TCHa 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 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 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 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

 $n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 0.994 1.0 0.75 (1.0)
cmyn3* 0.006 0.0 0.25 (0.0)
olvi4* 0.994 1.0 0.75 1.0
cmyn4* 0.006 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 84.85 -0.81 20.72
LAB*LABa 84.85 -0.82 20.72
LAB*TCHa 87.5 20.73 92.31

relative CIELAB lab*
lab*lab 0.875 -0.009 0.25
lab*tch 0.875 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.875 0.25 0.25
lab*tce 0.875 0.25 0.25
lab*nce 0.0 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.744 0.75 0.5 (1.0)
cmyn3* 0.256 0.25 0.5 (0.0)
olvi4* 0.984 1.0 0.75 0.75
cmyn4* 0.006 0.0 0.25 0.25
standard and adapted CIELAB
LAB*LAB 63.75 -0.8 20.73
LAB*LABa 63.75 -0.83 20.72
LAB*TCHa 62.5 20.74 92.33

relative CIELAB lab*
lab*lab 0.625 -0.009 0.25
lab*tch 0.625 0.25 0.256
lab*nch 0.25 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.625 0.25 0.25
lab*tce 0.625 0.25 0.25
lab*nce 0.25 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.494 0.5 0.25 (1.0)
cmyn3* 0.506 0.5 0.25 (0.0)
olvi4* 0.984 1.0 0.75 0.5
cmyn4* 0.006 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 42.65 -0.78 20.73
LAB*LABa 42.65 -0.83 20.72
LAB*TCHa 37.5 20.74 92.33

relative CIELAB lab*
lab*lab 0.375 -0.009 0.25
lab*tch 0.375 0.25 0.256
lab*nch 0.5 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.375 0.25 0.25
lab*tce 0.375 0.25 0.25
lab*nce 0.5 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.244 0.25 0.0 (1.0)
cmyn3* 0.756 0.75 1.0 (0.0)
olvi4* 0.994 1.0 0.75 0.25
cmyn4* 0.006 0.0 0.25 0.75
standard and adapted CIELAB
LAB*LAB 21.55 -0.76 20.73
LAB*LABa 21.55 -0.83 20.71
LAB*TCHa 12.5 20.73 92.33

relative CIELAB lab*
lab*lab 0.125 -0.009 0.25
lab*tch 0.125 0.25 0.256
lab*nch 0.75 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.125 0.25 0.25
lab*tce 0.125 0.25 0.25
lab*nce 0.75 0.25 0.256

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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 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 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.989 1.0 0.5 (1.0)
cmyn3* 0.011 0.0 0.5 (0.0)
olvi4* 0.989 1.0 0.5 1.0
cmyn4* 0.011 0.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 74.3 -1.64 41.44
LAB*LABa 74.3 -1.67 41.44
LAB*TCHa 75.0 41.47 92.32

relative CIELAB lab*
lab*lab 0.75 -0.019 0.499
lab*tch 0.75 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.75 0.25 0.25
lab*tce 0.75 0.25 0.25
lab*nce 0.0 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.739 0.75 0.25 (1.0)
cmyn3* 0.261 0.25 0.75 (0.0)
olvi4* 0.989 1.0 0.5 0.75
cmyn4* 0.011 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 53.2 -1.63 41.45
LAB*LABa 53.2 -1.68 41.44
LAB*TCHa 50.0 41.47 92.33

relative CIELAB lab*
lab*lab 0.5 -0.019 0.5
lab*tch 0.5 0.25 0.256
lab*nch 0.25 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.5 0.25 0.25
lab*tce 0.5 0.25 0.25
lab*nce 0.25 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.494 0.5 0.25 (1.0)
cmyn3* 0.506 0.5 0.25 (0.0)
olvi4* 0.984 1.0 0.75 0.5
cmyn4* 0.006 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 42.65 -0.78 20.73
LAB*LABa 42.65 -0.83 20.72
LAB*TCHa 37.5 20.74 92.33

relative CIELAB lab*
lab*lab 0.375 -0.009 0.25
lab*tch 0.375 0.25 0.256
lab*nch 0.5 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.375 0.25 0.25
lab*tce 0.375 0.25 0.25
lab*nce 0.5 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.244 0.25 0.0 (1.0)
cmyn3* 0.756 0.75 1.0 (0.0)
olvi4* 0.994 1.0 0.75 0.25
cmyn4* 0.006 0.0 0.25 0.75
standard and adapted CIELAB
LAB*LAB 21.55 -0.76 20.73
LAB*LABa 21.55 -0.83 20.71
LAB*TCHa 12.5 20.73 92.33

relative CIELAB lab*
lab*lab 0.125 -0.009 0.25
lab*tch 0.125 0.25 0.256
lab*nch 0.75 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.125 0.25 0.25
lab*tce 0.125 0.25 0.25
lab*nce 0.75 0.25 0.256

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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 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 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.989 1.0 0.5 (1.0)
cmyn3* 0.011 0.0 0.5 (0.0)
olvi4* 0.989 1.0 0.5 1.0
cmyn4* 0.011 0.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 74.3 -1.64 41.44
LAB*LABa 74.3 -1.67 41.44
LAB*TCHa 75.0 41.47 92.32

relative CIELAB lab*
lab*lab 0.75 -0.019 0.499
lab*tch 0.75 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.75 0.25 0.25
lab*tce 0.75 0.25 0.25
lab*nce 0.0 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.739 0.75 0.25 (1.0)
cmyn3* 0.261 0.25 0.75 (0.0)
olvi4* 0.989 1.0 0.5 0.75
cmyn4* 0.011 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 53.2 -1.63 41.45
LAB*LABa 53.2 -1.68 41.44
LAB*TCHa 50.0 41.47 92.33

relative CIELAB lab*
lab*lab 0.5 -0.019 0.5
lab*tch 0.5 0.25 0.256
lab*nch 0.25 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.5 0.25 0.25
lab*tce 0.5 0.25 0.25
lab*nce 0.25 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.494 0.5 0.25 (1.0)
cmyn3* 0.506 0.5 0.25 (0.0)
olvi4* 0.984 1.0 0.75 0.5
cmyn4* 0.006 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 42.65 -0.78 20.73
LAB*LABa 42.65 -0.83 20.72
LAB*TCHa 37.5 20.74 92.33

relative CIELAB lab*
lab*lab 0.375 -0.009 0.25
lab*tch 0.375 0.25 0.256
lab*nch 0.5 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.375 0.25 0.25
lab*tce 0.375 0.25 0.25
lab*nce 0.5 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.244 0.25 0.0 (1.0)
cmyn3* 0.756 0.75 1.0 (0.0)
olvi4* 0.994 1.0 0.75 0.25
cmyn4* 0.006 0.0 0.25 0.75
standard and adapted CIELAB
LAB*LAB 21.55 -0.76 20.73
LAB*LABa 21.55 -0.83 20.71
LAB*TCHa 12.5 20.73 92.33

relative CIELAB lab*
lab*lab 0.125 -0.009 0.25
lab*tch 0.125 0.25 0.256
lab*nch 0.75 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.125 0.25 0.25
lab*tce 0.125 0.25 0.25
lab*nce 0.75 0.25 0.256

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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 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 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.989 1.0 0.5 (1.0)
cmyn3* 0.011 0.0 0.5 (0.0)
olvi4* 0.989 1.0 0.5 1.0
cmyn4* 0.011 0.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 74.3 -1.64 41.44
LAB*LABa 74.3 -1.67 41.44
LAB*TCHa 75.0 41.47 92.32

relative CIELAB lab*
lab*lab 0.75 -0.019 0.499
lab*tch 0.75 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.75 0.25 0.25
lab*tce 0.75 0.25 0.25
lab*nce 0.0 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.739 0.75 0.25 (1.0)
cmyn3* 0.261 0.25 0.75 (0.0)
olvi4* 0.989 1.0 0.5 0.75
cmyn4* 0.011 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 53.2 -1.63 41.45
LAB*LABa 53.2 -1.68 41.44
LAB*TCHa 50.0 41.47 92.33

relative CIELAB lab*
lab*lab 0.5 -0.019 0.5
lab*tch 0.5 0.25 0.256
lab*nch 0.25 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.5 0.25 0.25
lab*tce 0.5 0.25 0.25
lab*nce 0.25 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.494 0.5 0.25 (1.0)
cmyn3* 0.506 0.5 0.25 (0.0)
olvi4* 0.984 1.0 0.75 0.5
cmyn4* 0.006 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 42.65 -0.78 20.73
LAB*LABa 42.65 -0.83 20.72
LAB*TCHa 37.5 20.74 92.33

relative CIELAB lab*
lab*lab 0.375 -0.009 0.25
lab*tch 0.375 0.25 0.256
lab*nch 0.5 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.375 0.25 0.25
lab*tce 0.375 0.25 0.25
lab*nce 0.5 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.244 0.25 0.0 (1.0)
cmyn3* 0.756 0.75 1.0 (0.0)
olvi4* 0.994 1.0 0.75 0.25
cmyn4* 0.006 0.0 0.25 0.75
standard and adapted CIELAB
LAB*LAB 21.55 -0.76 20.73
LAB*LABa 21.55 -0.83 20.71
LAB*TCHa 12.5 20.73 92.33

relative CIELAB lab*
lab*lab 0.125 -0.009 0.25
lab*tch 0.125 0.25 0.256
lab*nch 0.75 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.125 0.25 0.25
lab*tce 0.125 0.25 0.25
lab*nce 0.75 0.25 0.256

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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TCHa 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 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.989 1.0 0.5 (1.0)
cmyn3* 0.011 0.0 0.5 (0.0)
olvi4* 0.989 1.0 0.5 1.0
cmyn4* 0.011 0.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 74.3 -1.64 41.44
LAB*LABa 74.3 -1.67 41.44
LAB*TCHa 75.0 41.47 92.32

relative CIELAB lab*
lab*lab 0.75 -0.019 0.499
lab*tch 0.75 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.75 0.25 0.25
lab*tce 0.75 0.25 0.25
lab*nce 0.0 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.739 0.75 0.25 (1.0)
cmyn3* 0.261 0.25 0.75 (0.0)
olvi4* 0.989 1.0 0.5 0.75
cmyn4* 0.011 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 53.2 -1.63 41.45
LAB*LABa 53.2 -1.68 41.44
LAB*TCHa 50.0 41.47 92.33

relative CIELAB lab*
lab*lab 0.5 -0.019 0.5
lab*tch 0.5 0.25 0.256
lab*nch 0.25 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.5 0.25 0.25
lab*tce 0.5 0.25 0.25
lab*nce 0.25 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.494 0.5 0.25 (1.0)
cmyn3* 0.506 0.5 0.25 (0.0)
olvi4* 0.984 1.0 0.75 0.5
cmyn4* 0.006 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 42.65 -0.78 20.73
LAB*LABa 42.65 -0.83 20.72
LAB*TCHa 37.5 20.74 92.33

relative CIELAB lab*
lab*lab 0.375 -0.009 0.25
lab*tch 0.375 0.25 0.256
lab*nch 0.5 0.25 0.256
relative Natural Colour (NC)
lab*trj 0.375 0.25 0.25
lab*tce 0.375 0.25 0.25
lab*nce 0.5 0.25 0.256

relative Inform. Technology (IT)
olvi3* 0.244 0.25 0.0 (1.0)
cmyn3* 0.756 0.75 1.0 (0.0)
olvi4* 0.994 1.0 0.75 0.25
cmyn4* 0.006 0.0 0.25 0.75
standard and adapted CIELAB
LAB*LAB 21.55 -0

Eingabe: Farbmetrisches Reflexions-System ORS18

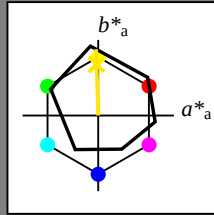
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

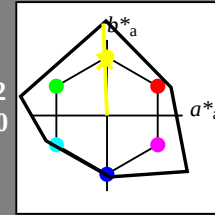
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$ relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System MRS18

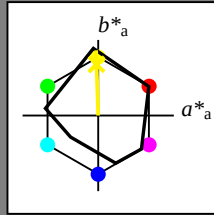
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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
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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links)

Ausgabe: Farbmimetrisches Reflexions-System ORS18

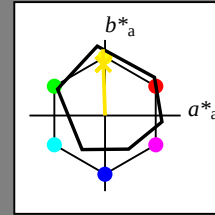
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System MRS18

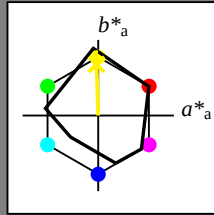
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18

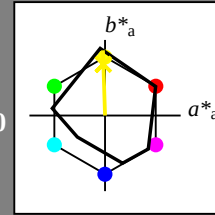
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System MRS18

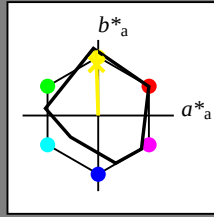
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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
BMa	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links)

Ausgabe: Farbmimetrisches Reflexions-System TRS18

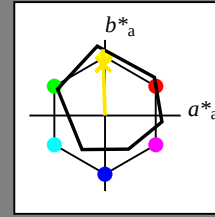
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

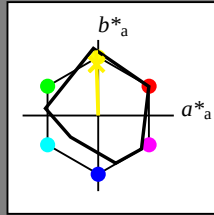
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System MRS18a

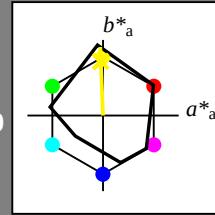
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 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*trj 1.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 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 0.0 0.0

LAB*LABa 76.06 0.0 0.0

LAB*LABb 76.06 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 -

lab*nch 0.25 0.0 -

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.25 0.0 -

lab*nce 0.25 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 0.0 0.0

LAB*LABa 56.71 0.0 0.0

LAB*LABb 56.71 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 -

lab*nch 0.5 0.0 -

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 -

lab*nce 0.5 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 0.0 0.0

LAB*LABa 37.36 0.0 0.0

LAB*LABb 37.36 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 -

lab*nch 0.25 0.0 -

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 -

lab*nce 0.25 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 (0.0)

cmyn4* 0.0 0.0 0.0 (1.0)

standard and adapted CIELAB

LAB*LAB 18.02 0.1 0.02

LAB*LABa 18.02 0.1 0.02

LAB*LABb 18.02 0.1 0.02

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 1.0 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 (0.0)

cmyn4* 0.0 0.0 0.0 (1.0)

standard and adapted CIELAB

LAB*LAB 18.02 0.1 0.02

LAB*LABa 18.02 0.1 0.02

LAB*LABb 18.02 0.1 0.02

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 1.0 0.0 -

 $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

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

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$

relative Inform. Technology (IT)

olvi3* 1.0 0.988 0.75 (1.0)

cmyn3* 0.0 0.012 0.25 (0.0)

olvi4* 1.0 0.988 0.75 (1.0)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 93.73 -0.91 22.65

LAB*LABa 93.73 -0.92 22.65

LAB*LABb 93.73 -0.92 22.65

relative CIELAB lab*

lab*lab 0.978 0.0 0.25

lab*tch 0.978 0.0 0.25

lab*nch 0.0 0.25 0.25

relative Natural Colour (NC)

lab*trj 0.978 0.0 0.25

lab*tce 0.978 0.0 0.25

lab*nce 0.0 0.25 1.00

relative Inform. Technology (IT)

olvi3* 0.75 0.738 0.5 (1.0)

cmyn3* 0.25 0.262 0.5 (0.0)

olvi4* 1.0 0.988 0.75 (1.0)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 74.38 -0.88 22.66

LAB*LABa 74.38 -0.91 22.66

LAB*LABb 74.38 -0.91 22.66

relative CIELAB lab*

lab*lab 0.728 0.0 0.25

lab*tch 0.728 0.0 0.25

lab*nch 0.25 0.25 0.25

relative Natural Colour (NC)

lab*trj 0.728 0.0 0.25

lab*tce 0.728 0.0 0.25

lab*nce 0.25 0.25 0.99

relative Inform. Technology (IT)

olvi3* 0.5 0.488 0.25 (1.0)

cmyn3* 0.5 0.512 0.25 (0.0)

olvi4* 1.0 0.988 0.75 (1.0)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 55.03 -0.86 22.67

LAB*LABa 55.03 -0.91 22.66

LAB*LABb 55.03 -0.91 22.66

relative CIELAB lab*

lab*lab 0.478 -0.009 0.25

lab*tch 0.478 0.25 0.25

lab*nch 0.5 0.25 0.25

relative Natural Colour (NC)

lab*trj 0.478 0.25 0.25

lab*tce 0.478 0.25 0.25

lab*nce 0.5 0.25 0.99

relative Inform. Technology (IT)

olvi3* 0.25 0.238 0.0 (1.0)

cmyn3* 0.75 0.762 1.0 (0.0)

olvi4* 1.0 0.988 0.75 (1.0)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 35.68 -0.84 22.67

LAB*LABa 35.68 -0.91 22.66

LAB*LABb 35.68 -0.91 22.66

relative CIELAB lab*

lab*lab 0.228 -0.009 0.25

lab*tch 0.228 0.25 0.25

lab*nch 0.75 0.25 0.25

relative Natural Colour (NC)

lab*trj 0.228 0.25 0.25

lab*tce 0.228 0.25 0.25

lab*nce 0.75 0.25 0.99

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 (0.0)

cmyn4* 0.0 0.0 0.0 (1.0)

standard and adapted CIELAB

LAB*LAB 18.02 0.1 0.02

LAB*LABa 18.02 0.1 0.02

LAB*LABb 18.02 0.1 0.02

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 1.0 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 (0.0)

cmyn4* 0.0 0.0 0.0 (1.0)

standard and adapted CIELAB

LAB*LAB 18.02 0.1 0.02

LAB*LABa 18.02 0.1 0.02

LAB*LABb 18.02 0.1 0.02

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 1.0 0.0 -

 $n^* = 0,50$

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$ $n^* = 0,75$ $n^* = 1,0$ relative Buntheit c^*

Eingabe: Farbmetrisches Reflexions-System MRS18

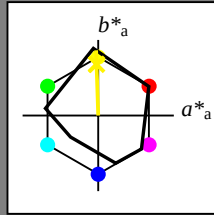
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NRS18

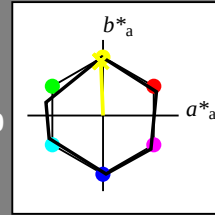
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

0,25

0,00

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links)5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$

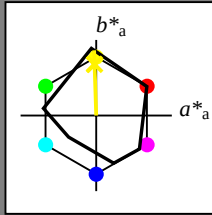
lab^*tch und lab^*nch

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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$

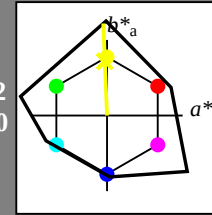
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



NCS18; adaptierte CIELAB-Daten					
	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

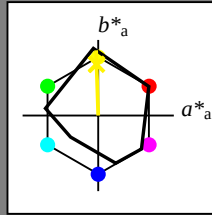
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NRS11

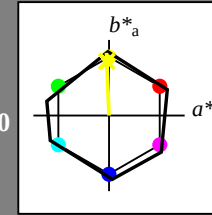
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TC_{Ma} 99.99 0.01 -

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 0.0
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 74.31 0.0 0.0
LAB*LABa 74.31 0.0 0.0
LAB*TC_{Ma} 75.0 0.01 -

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 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 53.21 0.0 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TC_{Ma} 50.0 0.01 -

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 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.01
LAB*LABa 32.11 0.0 0.0
LAB*TC_{Ma} 25.0 0.01 -

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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 0.01 0.01 -

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 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.01
LAB*LABa 32.11 0.0 0.0
LAB*TC_{Ma} 25.0 0.01 -

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 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 53.21 0.0 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TC_{Ma} 50.0 0.01 -

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 0.25
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 74.31 0.0 0.0
LAB*LABa 74.31 0.0 0.0
LAB*TC_{Ma} 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.994 0.994 0.994 (1.0)
cmyn3* 0.006 0.006 0.006 (0.0)
olvi4* 0.994 0.994 0.994 0.006
cmyn4* 0.006 0.006 0.006 0.25
standard and adapted CIELAB
LAB*LAB 84.85 -0.81 20.72
LAB*LABa 84.85 -0.82 20.72
LAB*TC_{Ma} 87.5 20.73 92.31

relative Inform. Technology (IT)
olvi3* 0.744 0.744 0.744 (1.0)
cmyn3* 0.256 0.256 0.256 (0.0)
olvi4* 0.984 0.984 0.984 0.006
cmyn4* 0.006 0.006 0.006 0.25
standard and adapted CIELAB
LAB*LAB 63.75 -0.8 20.73
LAB*LABa 63.75 -0.83 20.72
LAB*TC_{Ma} 62.5 20.74 92.33

relative Inform. Technology (IT)
olvi3* 0.494 0.494 0.494 (1.0)
cmyn3* 0.506 0.506 0.506 (0.0)
olvi4* 0.984 0.984 0.984 0.006
cmyn4* 0.006 0.006 0.006 0.25
standard and adapted CIELAB
LAB*LAB 53.2 -1.63 41.45
LAB*LABa 53.2 -1.68 41.44
LAB*TC_{Ma} 50.0 41.47 92.33

relative Inform. Technology (IT)
olvi3* 0.244 0.244 0.244 (1.0)
cmyn3* 0.756 0.756 0.756 (0.0)
olvi4* 0.994 0.994 0.994 0.006
cmyn4* 0.006 0.006 0.006 0.25
standard and adapted CIELAB
LAB*LAB 21.55 -0.76 20.73
LAB*LABa 21.55 -0.83 20.71
LAB*TC_{Ma} 12.5 20.73 92.33

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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.994 1.0 0.75 (1.0)
cmyn3* 0.006 0.006 0.006 (0.0)
olvi4* 0.994 1.0 0.75 1.0
cmyn4* 0.006 0.006 0.006 0.25
standard and adapted CIELAB
LAB*LAB 84.85 -0.81 20.72
LAB*LABa 84.85 -0.82 20.72
LAB*TC_{Ma} 87.5 20.73 92.31

relative Inform. Technology (IT)
olvi3* 0.739 0.739 0.739 (1.0)
cmyn3* 0.261 0.261 0.261 (0.0)
olvi4* 0.989 1.0 0.5 0.75
cmyn4* 0.011 0.011 0.011 0.5
standard and adapted CIELAB
LAB*LAB 53.2 -1.63 41.45
LAB*LABa 53.2 -1.68 41.44
LAB*TC_{Ma} 50.0 41.47 92.33

relative Inform. Technology (IT)
olvi3* 0.494 0.5 0.25 (1.0)
cmyn3* 0.506 0.5 0.25 (0.0)
olvi4* 0.984 1.0 0.25 0.5
cmyn4* 0.006 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 42.65 -0.78 20.73
LAB*LABa 42.65 -0.83 20.72
LAB*TC_{Ma} 37.5 20.74 92.33

relative Inform. Technology (IT)
olvi3* 0.244 0.25 0.0 (1.0)
cmyn3* 0.756 0.75 1.0 (0.0)
olvi4* 0.994 1.0 0.75 0.25
cmyn4* 0.006 0.0 0.25 0.75
standard and adapted CIELAB
LAB*LAB 21.55 -0.76 20.73
LAB*LABa 21.55 -0.83 20.71
LAB*TC_{Ma} 12.5 20.73 92.33

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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 0.01 0.01 -

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 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.01
LAB*LABa 32.11 0.0 0.0
LAB*TC_{Ma} 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.489 0.5 0.0 (1.0)
cmyn3* 0.511 0.5 1.0 (0.0)
olvi4* 0.989 1.0 0.5 0.5
cmyn4* 0.011 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 32.1 -1.62 41.45
LAB*LABa 32.1 -1.68 41.43
LAB*TC_{Ma} 25.01 41.46 92.33

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 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.01
LAB*LABa 32.11 0.0 0.0
LAB*TC_{Ma} 25.0 0.01 -

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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.739 0.739 0.739 (1.0)
cmyn3* 0.261 0.261 0.261 (0.0)
olvi4* 0.989 1.0 0.5 0.75
cmyn4* 0.011 0.011 0.011 0.5
standard and adapted CIELAB
LAB*LAB 53.2 -1.63 41.45
LAB*LABa 53.2 -1.68 41.44
LAB*TC_{Ma} 50.0 41.47 92.33

relative Inform. Technology (IT)
olvi3* 0.489 0.5 0.25 (1.0)
cmyn3* 0.511 0.5 0.25 (0.0)
olvi4* 0.989 1.0 0.25 0.5
cmyn4* 0.011 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 42.65 -0.78 20.73
LAB*LABa 42.65 -0.83 20.72
LAB*TC_{Ma} 37.5 20.74 92.33

relative Inform. Technology (IT)
olvi3* 0.244 0.25 0.0 (1.0)
cmyn3* 0.756 0.75 1.0 (0.0)
olvi4* 0.994 1.0 0.75 0.25
cmyn4* 0.006 0.0 0.25 0.75
standard and adapted CIELAB
LAB*LAB 21.55 -0.76 20.73
LAB*LABa 21.55 -0.83 20.71
LAB*TC_{Ma} 12.5 20.73 92.33

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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 0.01 0.01 -

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

relative Inform. Technology (IT)
olvi3* 0.983 1.0 0.25 (1.0)
cmyn3* 0.017 0.0 0.75 (0.0)
olvi4* 0.983 1.0 0.25 1.0
cmyn4* 0.017 0.0 0.75 0.0
standard and adapted CIELAB
LAB*LAB 63.75 -2.48 62.16
LAB*LABa 63.75 -2.51 62.15
LAB*TC_{Ma} 62.5 62.21 92.32

relative Inform. Technology (IT)
olvi3* 0.739 0.739 0.739 (1.0)
cmyn3* 0.261 0.261 0.261 (0.0)
olvi4* 0.989 1.0 0.5 0.75
cmyn4* 0.011 0.011 0.011 0.5
standard and adapted CIELAB
LAB*LAB 53.2 -1.63 41.45
LAB*LABa 53.2 -1.68 41.44
LAB*TC_{Ma} 50.0 41.47 92.33

relative Inform. Technology (IT)
olvi3* 0.494 0.5 0.25 (1.0)
cmyn3* 0.506 0.5 0.25 (0.0)
olvi4* 0.984 1.0 0.25 0.5
cmyn4* 0.006 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 42.65 -0.78 20.73
LAB*LABa 42.65 -0.83 20.72
LAB*TC_{Ma} 37.5 20.74 92.33

relative Inform. Technology (IT)
olvi3* 0.244 0.25 0.0 (1.0)
cmyn3* 0.756 0.75 1.0 (0.0)
olvi4* 0.994 1.0 0.75 0.25
cmyn4* 0.006 0.0 0.25 0.75
standard and adapted CIELAB
LAB*LAB 21.55 -0.76 20.73
LAB*LABa 21.55 -0.83 20.71
LAB*TC_{Ma} 12.5 20.73 92.33

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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 0.01 0.01 -

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 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.01
LAB*LABa 32.11 0.0 0.0
LAB*TC_{Ma} 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.489 0.5 0.0 (1.0)
cmyn3* 0.511 0.5 1.0 (0.0)
olvi4* 0.989 1.0 0.5 0.5
cmyn4* 0.011 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 32.1 -1.62 41.45
LAB*LABa 32.1 -1.68 41.43
LAB*TC_{Ma} 25.01 41.46 92.33

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 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.01
LAB*LABa 32.11 0.0 0.0
LAB*TC_{Ma} 25.0 0.01 -

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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.739 0.739 0.739 (1.0)
cmyn3* 0.261 0.261 0.261 (0.0)
olvi4* 0.989 1.0 0.5 0.75
cmyn4* 0.011 0.011 0.011 0.5
standard and adapted CIELAB
LAB*LAB 53.2 -1.63 41.45
LAB*LABa 53.2 -1.68 41.44
LAB*TC_{Ma} 50.0 41.47 92.33

relative Inform. Technology (IT)
olvi3* 0.489 0.5 0.25 (1.0)
cmyn3* 0.511 0.5 0.25 (0.0)
olvi4* 0.989 1.0 0.25 0.5
cmyn4* 0.011 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 42.65 -0.78 20.73
LAB*LABa 42.65 -0.83 20.72
LAB*TC_{Ma} 37.5 20.74 92.33

relative Inform. Technology (IT)
olvi3* 0.244 0.25 0.0 (1.0)
cmyn3* 0.756 0.75 1.0 (0.0)
olvi4* 0.994 1.0 0.75 0.25
cmyn4* 0.006 0.0 0.25 0.75
standard and adapted CIELAB
LAB*LAB 21.55 -0.76 20.73
LAB*LABa 21.55 -0.83 20.71
LAB*TC_{Ma} 12.5 20.73 92.33

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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.0 0.0
LAB*TC_{Ma} 0.01 0.01 -

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 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.01
LAB*LABa 32.11 0.0 0.0
LAB*TC_{Ma} 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.489 0.5 0.0 (1.0)
cmyn3* 0.511 0.5 1.0 (0.0)
olvi4* 0.989 1.0 0.5 0.5
cmyn4* 0.011 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 32.1 -1.62 41.45
LAB*LABa 32.1 -1.68 41.43
LAB*TC_{Ma} 25.01 41.46 92.33

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 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 32.11 0.05 0.01
LAB*LABa 3

Eingabe: Farbmetrisches Reflexions-System MRS18

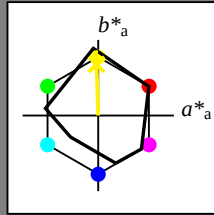
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS11

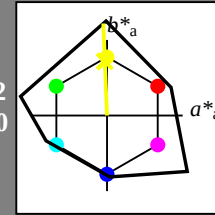
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

Eingabe: Farbmimetrisches Reflexions-System TRS18

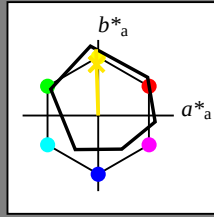
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

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Ausgabe: Farbmimetrisches Reflexions-System ORS18

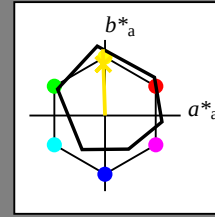
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links)5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System TRS18

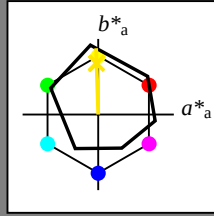
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18

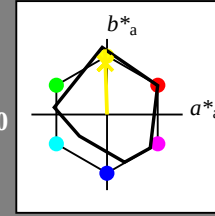
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (rechts)

Eingabe: Farbmetrisches Reflexions-System TRS18

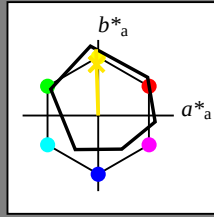
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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Ausgabe: Farbmetrisches Reflexions-System TRS18

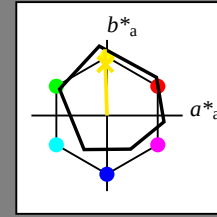
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,25$ $n^* = 0,00$

0,25

0,00

 $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links) $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,25$ $n^* = 0,00$ 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (rechts)

Eingabe: Farbmetrisches Reflexions-System TRS18

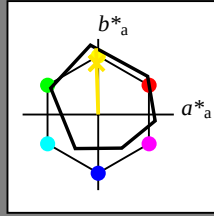
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

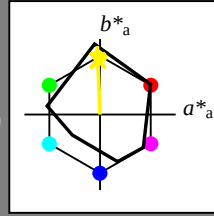
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

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

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$ $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$

Eingabe: Farbmetrisches Reflexions-System TRS18

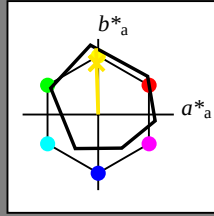
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

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Ausgabe: Farbmetrisches Reflexions-System NRS18

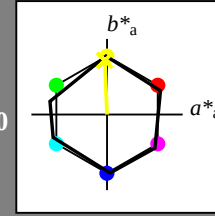
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
CMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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relative Buntheit c^* relative Buntheit c^*

Eingabe: Farbmetrisches Reflexions-System TRS18

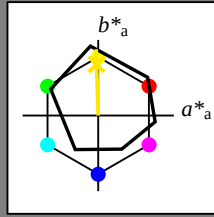
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

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Ausgabe: Farbmetrisches Reflexions-System NCS18

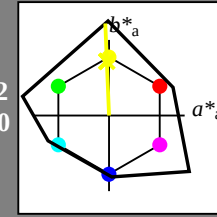
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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 $n^* = 1,0$

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relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$

0,25

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links)5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

Eingabe: Farbmetrisches Reflexions-System TRS18

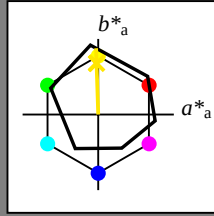
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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Ausgabe: Farbmetrisches Reflexions-System NRS11

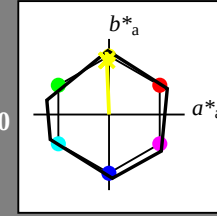
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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Ausgabe: Farbmetrisches Reflexions-System NRS11

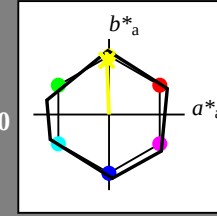
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

Ausgabe: Farbmetrisches Reflexions-System NRS11

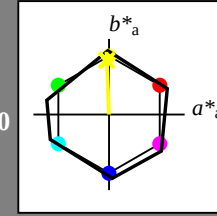
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

NRS11; adaptierte CIELAB-Daten

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

Eingabe: Farbmetrisches Reflexions-System TRS18

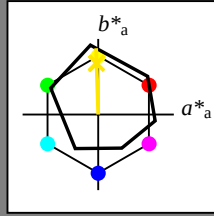
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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Ausgabe: Farbmetrisches Reflexions-System NCS11

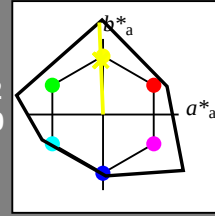
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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 $n^* = 1,0$

0,25

 $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$

0,25

 $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (links)5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$

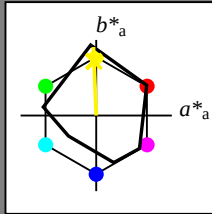
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 92$

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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

$g^*_{H,\text{rel}} = 42$

$g^*_{C,\text{rel}} = 49$

1,00

0,75

0,50

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Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$

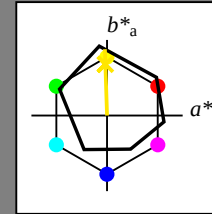
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 93$

1,00

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0,75

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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

$g^*_{H,\text{rel}} = 57$

$g^*_{C,\text{rel}} = 59$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

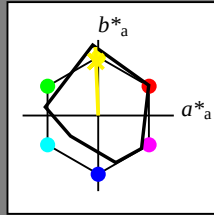
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 91 92

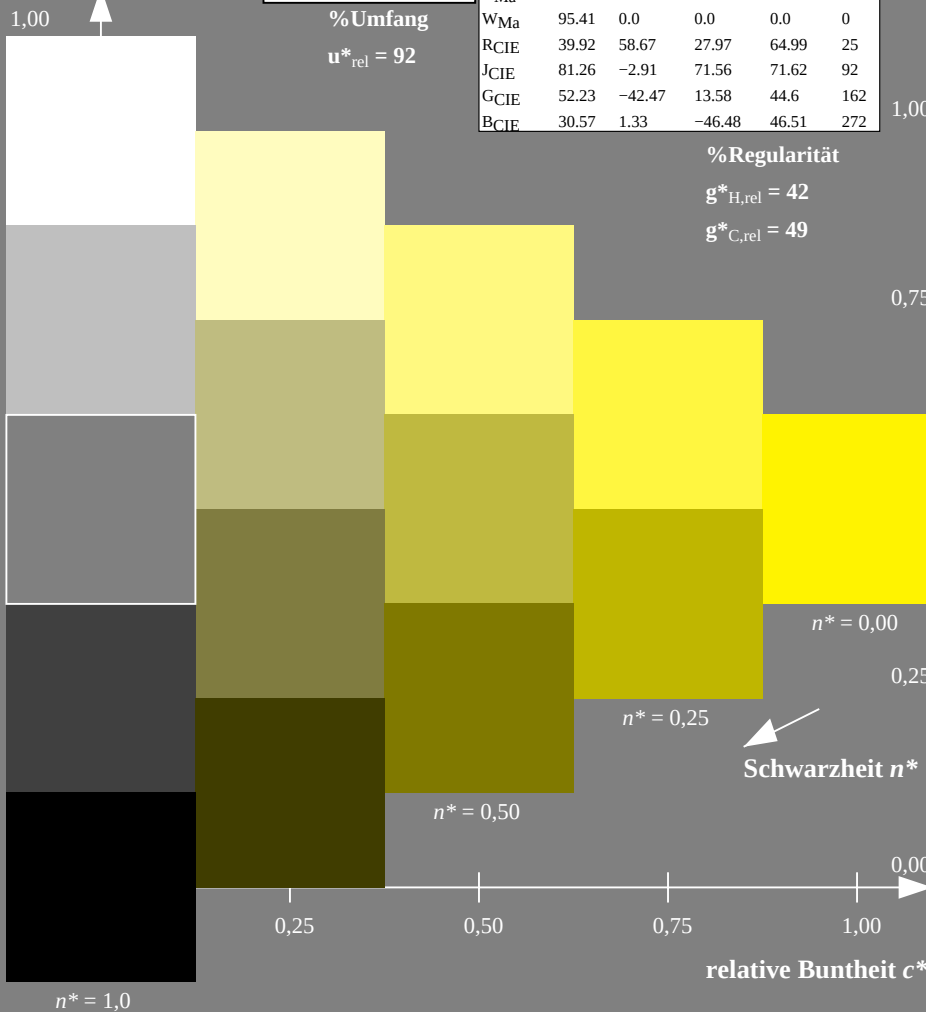
rgb*Ma: 1.0 0.95 0.0

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

 $g^*_{H,rel} = 42$ $g^*_{C,rel} = 49$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

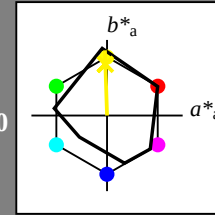
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

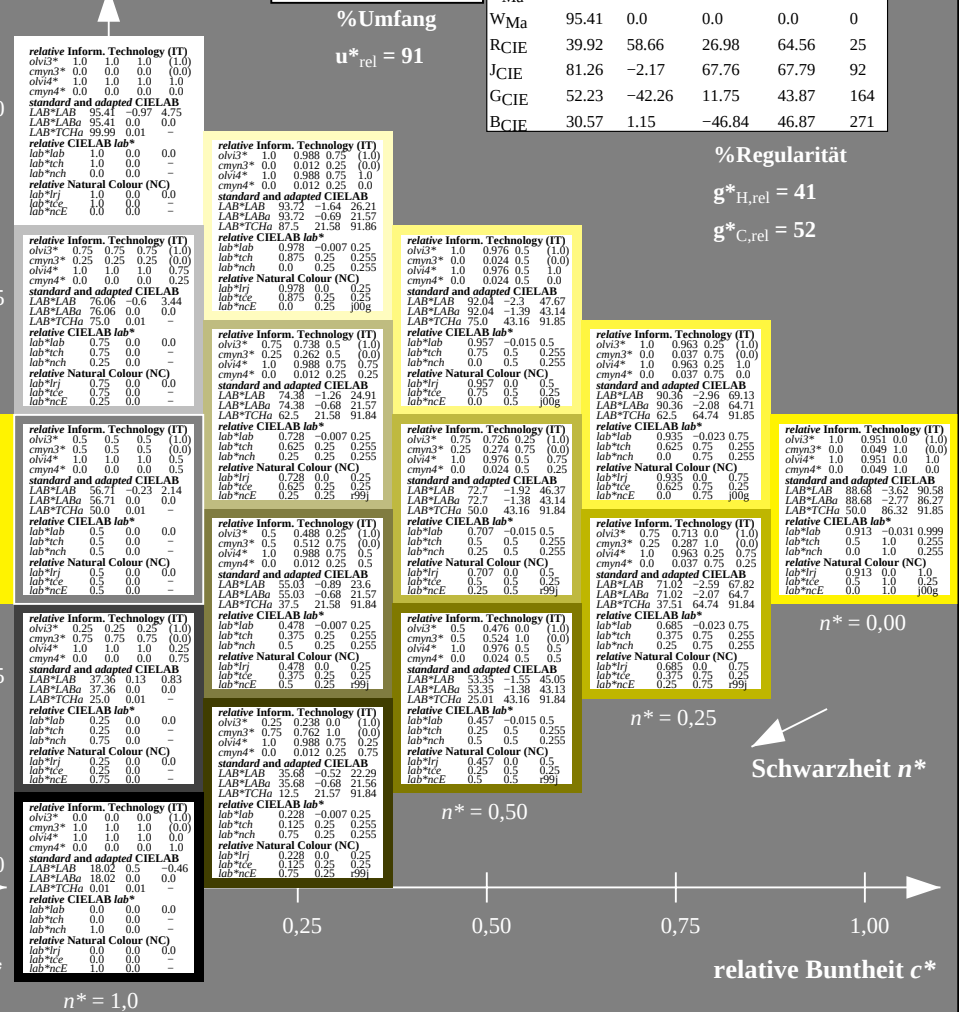
rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$ 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

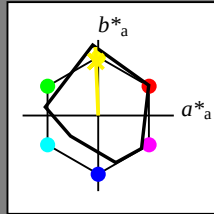
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

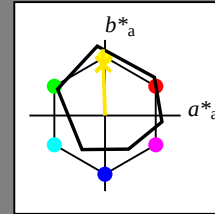
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

1,00

0,75

%Regularität

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

%Regularität

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$

%Regularität

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$

%Regularität

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$

%Regularität

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$ $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

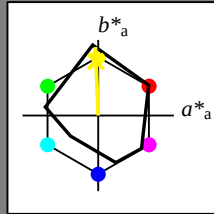
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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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

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

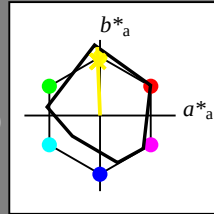
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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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

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$

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 $n^* = 1,0$

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relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$

0,25

0,50

0,75

1,00

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (links)5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

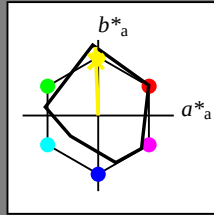
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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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

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

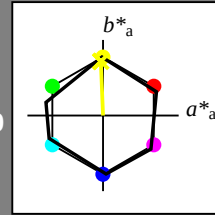
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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%Regularität

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NRS18; adaptierte CIELAB-Daten

 $L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$

RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

Eingabe: Farbmetrisches Reflexions-System MRS18a

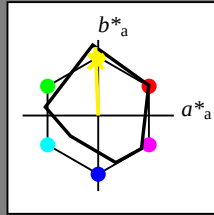
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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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

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$

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Ausgabe: Farbmetrisches Reflexions-System NCS18

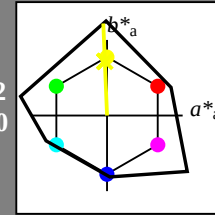
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*tce 1.0 0.0 0.0

lab*nce 1.0 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 76.07 0.0 0.0

LAB*LABa 76.07 0.0 0.0

LAB*LABb 76.07 0.0 0.0

LAB*LABc 76.07 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.75 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.75 0.0 0.0

lab*nce 0.75 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 56.72 0.0 0.0

LAB*LABa 56.72 0.0 0.0

LAB*LABb 56.72 0.0 0.0

LAB*LABc 56.72 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.25 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 37.37 0.0 0.0

LAB*LABa 37.37 0.0 0.0

LAB*LABb 37.37 0.0 0.0

LAB*LABc 37.37 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (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 18.02 0.0 0.0

LAB*LABa 18.02 0.0 0.0

LAB*LABb 18.02 0.0 0.0

LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.07 0.0 0.0

LAB*LABa 76.07 0.0 0.0

LAB*LABb 76.07 0.0 0.0

LAB*LABc 76.07 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.75 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.75 0.0 0.0

lab*nce 0.75 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 56.72 0.0 0.0

LAB*LABa 56.72 0.0 0.0

LAB*LABb 56.72 0.0 0.0

LAB*LABc 56.72 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.25 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 37.37 0.0 0.0

LAB*LABa 37.37 0.0 0.0

LAB*LABb 37.37 0.0 0.0

LAB*LABc 37.37 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (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 18.02 0.0 0.0

LAB*LABa 18.02 0.0 0.0

LAB*LABb 18.02 0.0 0.0

LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.07 0.0 0.0

LAB*LABa 76.07 0.0 0.0

LAB*LABb 76.07 0.0 0.0

LAB*LABc 76.07 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*tch 0.75 0.0 0.0

lab*nch 0.75 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*tce 0.75 0.0 0.0

lab*nce 0.75 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 56.72 0.0 0.0

LAB*LABa 56.72 0.0 0.0

LAB*LABb 56.72 0.0 0.0

LAB*LABc 56.72 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.5 0.0 0.0

lab*tce 0.5 0.0 0.0

lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.25 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 37.37 0.0 0.0

LAB*LABa 37.37 0.0 0.0

LAB*LABb 37.37 0.0 0.0

LAB*LABc 37.37 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*tch 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*tce 0.25 0.0 0.0

lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (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 18.02 0.0 0.0

LAB*LABa 18.02 0.0 0.0

LAB*LABb 18.02 0.0 0.0

LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*tce 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

 $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

relative Inform. Technology (IT)

olvi3* 0.992 1.0 0.75 (1.0)

cmyn3* 0.008 0.0 0.25 (0.0)

olvi4* 0.992 1.0 0.75 (1.0)

cmyn4* 0.008 0.0 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 94.16 -1.21 30.44

LAB*LABa 94.16 -1.22 30.44

LAB*LABb 94.16 -1.22 30.44

LAB*LABc 94.16 -1.22 30.44

relative CIELAB lab*

lab*lab 0.984 -0.009 0.25

lab*tch 0.875 0.25 0.256

lab*nch 0.875 0.25 0.256

relative Natural Colour (NC)

lab*trj 0.984 0.0 0.25

lab*tce 0.875 0.25 0.25

lab*nce 0.875 0.25 0.25

relative Inform. Technology (IT)

olvi3* 0.742 0.75 0.5 (1.0)

cmyn3* 0.258 0.25 0.5 (0.0)

olvi4* 0.984 1.0 0.5 (1.0)

cmyn4* 0.008 0.0 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 74.82 -1.2 30.45

LAB*LABa 74.82 -1.23 30.45

LAB*LABb 74.82 -1.23 30.45

LAB*LABc 74.82 -1.23 30.45

relative CIELAB lab*

lab*lab 0.734 -0.009 0.25

lab*tch 0.625 0.25 0.256

lab*nch 0.625 0.25 0.256

relative Natural Colour (NC)

lab*trj 0.734 0.0 0.25

lab*tce 0.625 0.25 0.25

lab*nce 0.625 0.25 0.25

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.

Eingabe: Farbmetrisches Reflexions-System MRS18a

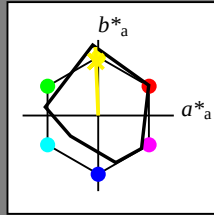
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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
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

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NRS11

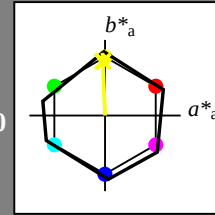
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

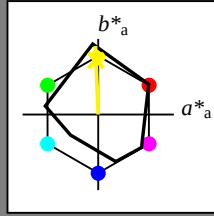
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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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

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$

1,00

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Ausgabe: Farbmetrisches Reflexions-System NCS11

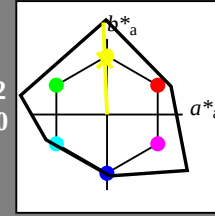
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

1,00

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,25$ $n^* = 0,00$

0,25

0,00

 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,25$ $n^* = 0,00$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (links)5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

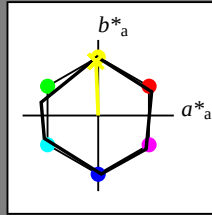
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System MRS18

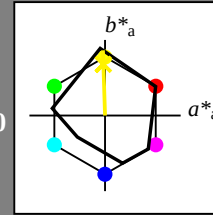
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

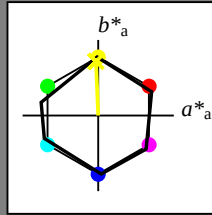
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

1,00

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

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Ausgabe: Farbmetrisches Reflexions-System TRS18

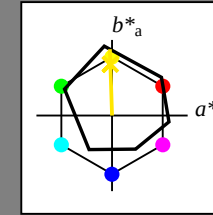
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

1,00

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TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,25$ $n^* = 0,00$

0,25

0,00

 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,25$ $n^* = 0,00$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (links)5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

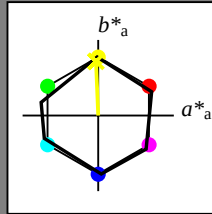
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

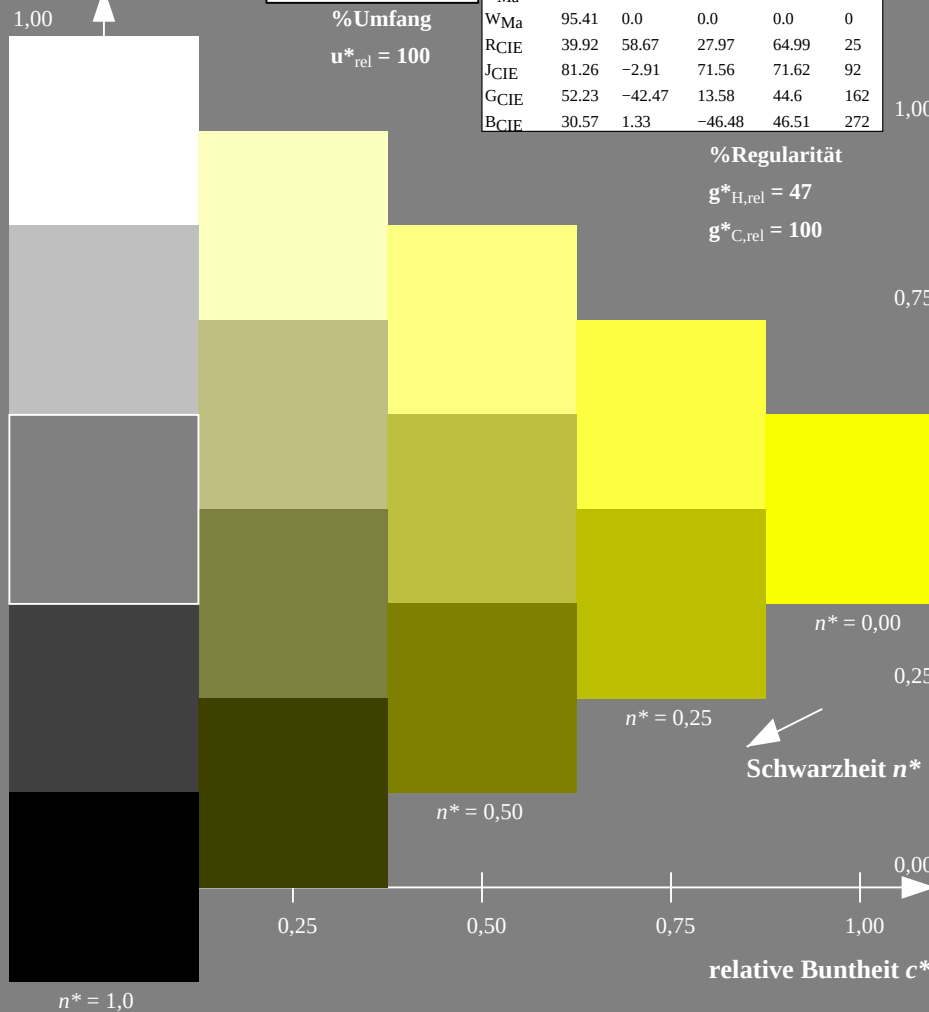
LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$ relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

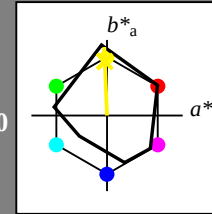
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit

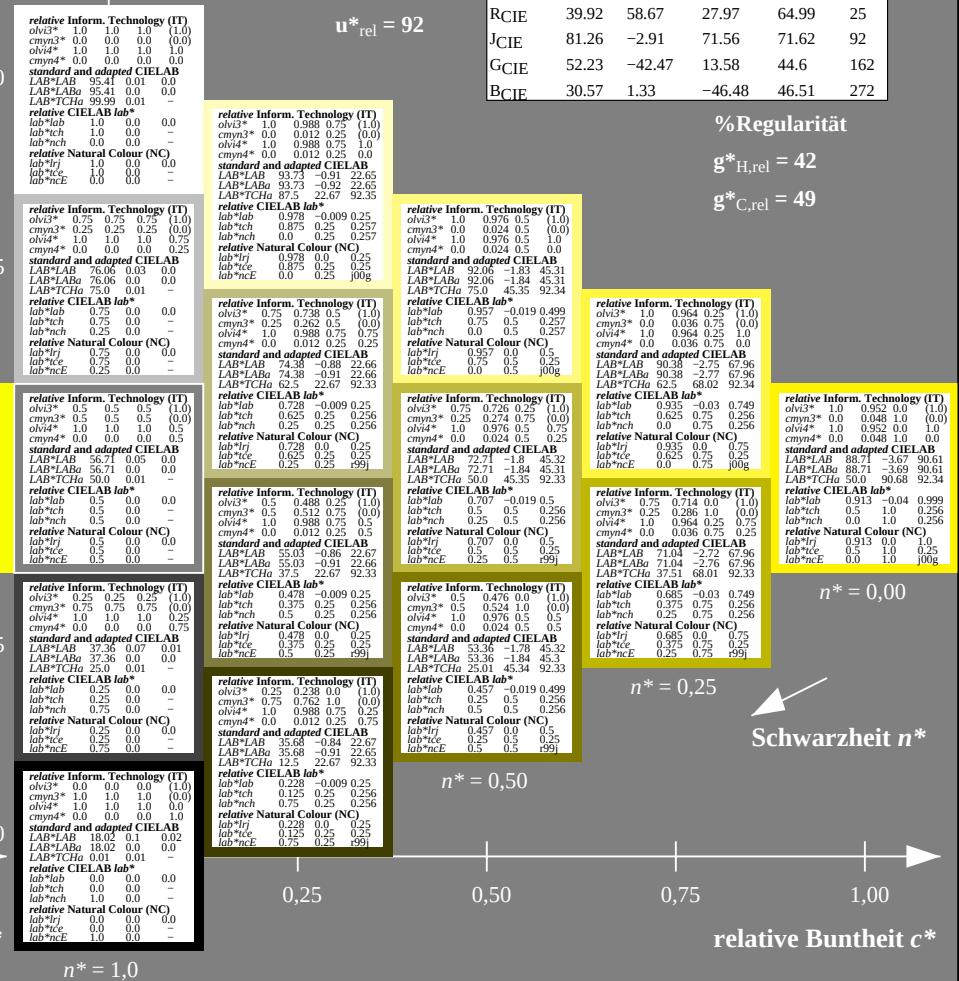


%Umfang

 $u^*_{\text{rel}} = 92$

1,00

0,75

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

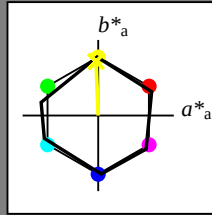
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

1,00

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

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Ausgabe: Farbmetrisches Reflexions-System NRS18

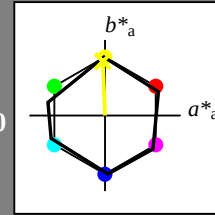
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (links)5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System NRS18

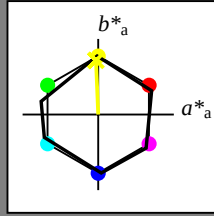
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (links)

Ausgabe: Farbmimetrisches Reflexions-System NCS18

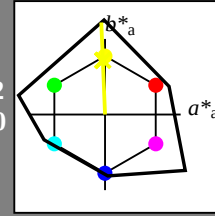
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$ relative Buntheit c^* 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

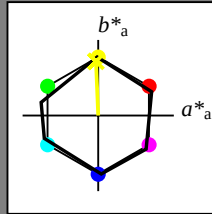
D65: Buntton J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{\text{rel}} = 100$

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

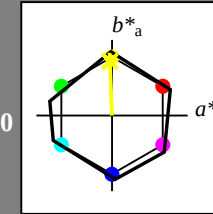
D65: Buntton J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{\text{rel}} = 119$

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

0,75

0,50

0,25

0,00

0,00

0,00

0,00

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0,00

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0,00

0,00

0,00

0,00

0,00

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	-0.01
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75
cmyn3*	0.25	0.25	0.25
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	74.31	0.0	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	74.31	0.0	0.0
LAB*LABc	74.31	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.75	0.0	0.0
lab*nch	0.75	0.0	0.0
lab*trj	0.75	0.0	0.0
lab*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5
cmyn3*	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	53.21	0.0	0.0
LAB*LABa	53.21	0.0	0.0
LAB*LABb	53.21	0.0	0.0
LAB*LABc	53.21	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.5	0.0	0.0
lab*trj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25
cmyn3*	0.75	0.75	0.75
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	32.11	0.0	0.0
LAB*LABa	32.11	0.0	0.0
LAB*LABb	32.11	0.0	0.0
LAB*LABc	32.11	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	11.01	0.0	0.0
LAB*LABa	11.01	0.0	0.0
LAB*LABb	11.01	0.0	0.0
LAB*LABc	11.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	11.01	0.0	0.0
LAB*LABa	11.01	0.0	0.0
LAB*LABb	11.01	0.0	0.0
LAB*LABc	11.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	11.01	0.0	0.0
LAB*LABa	11.01	0.0	0.0
LAB*LABb	11.01	0.0	0.0
LAB*LABc	11.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	11.01	0.0	0.0
LAB*LABa	11.01	0.0	0.0
LAB*LABb	11.01	0.0	0.0
LAB*LABc	11.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	11.01	0.0	0.0
LAB*LABa	11.01	0.0	0.0
LAB*LABb	11.01	0.0	0.0
LAB*LABc	11.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	11.01	0.0	0.0
LAB*LABa	11.01	0.0	0.0
LAB*LABb	11.01	0.0	0.0
LAB*LABc	11.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	11.01	0.0	0.0
LAB*LABa	11.01	0.0	0.0
LAB*LABb	11.01	0.0	0.0
LAB*LABc	11.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	11.01	0.0	0.0
LAB*LABa	11.01	0.0	0.0
LAB*LABb	11.01	0.0	0.0
LAB*LABc	11.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	11.01	0.0	0.0
LAB*LABa	11.01	0.0	0.0
LAB*LABb	11.01	0.0	0.0
LAB*LABc	11.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	11.01	0.0	0.0
LAB*LABa	11.01	0.0	0.0
LAB*LABb	11.01	0.0	0.0
LAB*LABc	11.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

 $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NRS18

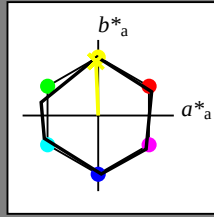
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmimetrisches Reflexions-System NCS11

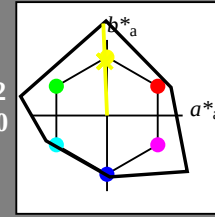
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	95.41	0.0	0.0		
LAB*LABc	95.41	0.0	0.0		
LAB*LABd	95.41	0.0	0.0		
LAB*LABe	95.41	0.0	0.0		
LAB*LABf	95.41	0.0	0.0		
LAB*LABg	95.41	0.0	0.0		
LAB*LABh	95.41	0.0	0.0		
LAB*LABi	95.41	0.0	0.0		
LAB*LABj	95.41	0.0	0.0		
LAB*LABk	95.41	0.0	0.0		
LAB*LABl	95.41	0.0	0.0		
LAB*LABm	95.41	0.0	0.0		
LAB*LABn	95.41	0.0	0.0		
LAB*LABo	95.41	0.0	0.0		
LAB*LABp	95.41	0.0	0.0		
LAB*LABq	95.41	0.0	0.0		
LAB*LABr	95.41	0.0	0.0		
LAB*LABs	95.41	0.0	0.0		
LAB*LABt	95.41	0.0	0.0		
LAB*LABu	95.41	0.0	0.0		
LAB*LABv	95.41	0.0	0.0		
LAB*LABw	95.41	0.0	0.0		
LAB*LABx	95.41	0.0	0.0		
LAB*LABy	95.41	0.0	0.0		
LAB*LABz	95.41	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.992	1.0	0.75	(1.0)	
cmyn3*	0.008	0.0	0.25	(0.0)	
olvi4*	0.992	1.0	0.75	(1.0)	
cmyn4*	0.008	0.0	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	94.16	-1.21	30.44		
LAB*LABa	94.16	-1.22	30.44		
LAB*LABb	94.16	-1.22	30.44		
LAB*LABc	94.16	-1.22	30.44		
LAB*LABd	94.16	-1.22	30.44		
LAB*LABe	94.16	-1.22	30.44		
LAB*LABf	94.16	-1.22	30.44		
LAB*LABg	94.16	-1.22	30.44		
LAB*LABh	94.16	-1.22	30.44		
LAB*LABi	94.16	-1.22	30.44		
LAB*LABj	94.16	-1.22	30.44		
LAB*LABk	94.16	-1.22	30.44		
LAB*LABl	94.16	-1.22	30.44		
LAB*LABm	94.16	-1.22	30.44		
LAB*LABn	94.16	-1.22	30.44		
LAB*LABo	94.16	-1.22	30.44		
LAB*LABp	94.16	-1.22	30.44		
LAB*LABq	94.16	-1.22	30.44		
LAB*LABr	94.16	-1.22	30.44		
LAB*LABs	94.16	-1.22	30.44		
LAB*LABt	94.16	-1.22	30.44		
LAB*LABu	94.16	-1.22	30.44		
LAB*LABv	94.16	-1.22	30.44		
LAB*LABw	94.16	-1.22	30.44		
LAB*LABx	94.16	-1.22	30.44		
LAB*LABy	94.16	-1.22	30.44		
LAB*LABz	94.16	-1.22	30.44		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*LABb	74.31	0.0	0.0		
LAB*LABc	74.31	0.0	0.0		
LAB*LABd	74.31	0.0	0.0		
LAB*LABe	74.31	0.0	0.0		
LAB*LABf	74.31	0.0	0.0		
LAB*LABg	74.31	0.0	0.0		
LAB*LABh	74.31	0.0	0.0		
LAB*LABi	74.31	0.0	0.0		
LAB*LABj	74.31	0.0	0.0		
LAB*LABk	74.31	0.0	0.0		
LAB*LABl	74.31	0.0	0.0		
LAB*LABm	74.31	0.0	0.0		
LAB*LABn	74.31	0.0	0.0		
LAB*LABo	74.31	0.0	0.0		
LAB*LABp	74.31	0.0	0.0		
LAB*LABq	74.31	0.0	0.0		
LAB*LABr	74.31	0.0	0.0		
LAB*LABs	74.31	0.0	0.0		
LAB*LABt	74.31	0.0	0.0		
LAB*LABu	74.31	0.0	0.0		
LAB*LABv	74.31	0.0	0.0		
LAB*LABw	74.31	0.0	0.0		
LAB*LABx	74.31	0.0	0.0		
LAB*LABy	74.31	0.0	0.0		
LAB*LABz	74.31	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	73.07	1.2	30.45		
LAB*LABa	73.07	1.2	30.45		
LAB*LABb	73.07	1.2	30.45		
LAB*LABc	73.07	1.2	30.45		
LAB*LABd	73.07	1.2	30.45		
LAB*LABe	73.07	1.2	30.45		
LAB*LABf	73.07	1.2	30.45		
LAB*LABg	73.07	1.2	30.45		
LAB*LABh	73.07	1.2	30.45		
LAB*LABi	73.07	1.2	30.45		
LAB*LABj	73.07	1.2	30.45		
LAB*LABk	73.07	1.2	30.45		
LAB*LABl	73.07	1.2	30.45		
LAB*LABm	73.07	1.2	30.45		
LAB*LABn	73.07	1.2	30.45		
LAB*LABo	73.07	1.2	30.45		
LAB*LABp	73.07	1.2	30.45		
LAB*LABq	73.07	1.2	30.45		
LAB*LABr	73.07	1.2	30.45		
LAB*LABs	73.07	1.2	30.45		
LAB*LABt	73.07	1.2	30.45		
LAB*LABu	73.07	1.2	30.45		
LAB*LABv	73.07	1.2	30.45		
LAB*LABw	73.07	1.2	30.45		
LAB*LABx	73.07	1.2	30.45		
LAB*LABy	73.07	1.2	30.45		
LAB*LABz	73.07	1.2	30.45		

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	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	53.21	0.04	0.0	
LAB*LAB _a	53.21	0.0	0.0	

5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

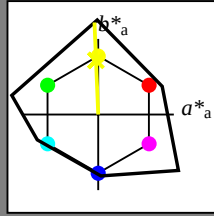
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System MRS18

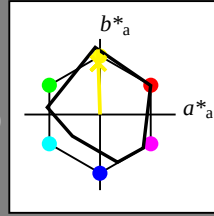
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

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Eingabe: Farbmetrisches Reflexions-System NCS18

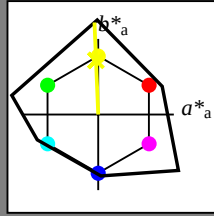
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System TRS18

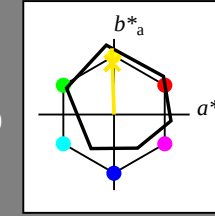
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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relative Inform. Technology (IT)				
olvi3*	1.0	1.0	0.975	0.75 (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	
LAB*LABa	95.41	0.0	0.0	
LAB*LABb	95.41	0.0	0.0	
LAB*LABc	95.41	0.0	0.0	
LAB*LABd	95.41	0.0	0.0	
LAB*LABe	95.41	0.0	0.0	
LAB*LABf	95.41	0.0	0.0	
LAB*LABg	95.41	0.0	0.0	
LAB*LABh	95.41	0.0	0.0	
LAB*LABi	95.41	0.0	0.0	
LAB*LABj	95.41	0.0	0.0	
LAB*LABk	95.41	0.0	0.0	
LAB*LABl	95.41	0.0	0.0	
LAB*LABm	95.41	0.0	0.0	
LAB*LABn	95.41	0.0	0.0	
LAB*LABo	95.41	0.0	0.0	
LAB*LABp	95.41	0.0	0.0	
LAB*LABq	95.41	0.0	0.0	
LAB*LABr	95.41	0.0	0.0	
LAB*LABs	95.41	0.0	0.0	
LAB*LABt	95.41	0.0	0.0	
LAB*LABu	95.41	0.0	0.0	
LAB*LABv	95.41	0.0	0.0	
LAB*LABw	95.41	0.0	0.0	
LAB*LABx	95.41	0.0	0.0	
LAB*LABy	95.41	0.0	0.0	
LAB*LABz	95.41	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	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	-0.6	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	76.06	0.0	0.0	
LAB*LABc	76.06	0.0	0.0	
LAB*LABd	76.06	0.0	0.0	
LAB*LABe	76.06	0.0	0.0	
LAB*LABf	76.06	0.0	0.0	
LAB*LABg	76.06	0.0	0.0	
LAB*LABh	76.06	0.0	0.0	
LAB*LABi	76.06	0.0	0.0	
LAB*LABj	76.06	0.0	0.0	
LAB*LABk	76.06	0.0	0.0	
LAB*LABl	76.06	0.0	0.0	
LAB*LABm	76.06	0.0	0.0	
LAB*LABn	76.06	0.0	0.0	
LAB*LABo	76.06	0.0	0.0	
LAB*LABp	76.06	0.0	0.0	
LAB*LABq	76.06	0.0	0.0	
LAB*LABr	76.06	0.0	0.0	
LAB*LABs	76.06	0.0	0.0	
LAB*LABt	76.06	0.0	0.0	
LAB*LABu	76.06	0.0	0.0	
LAB*LABv	76.06	0.0	0.0	
LAB*LABw	76.06	0.0	0.0	
LAB*LABx	76.06	0.0	0.0	
LAB*LABy	76.06	0.0	0.0	
LAB*LABz	76.06	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	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	-0.6	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	76.06	0.0	0.0	
LAB*LABc	76.06	0.0	0.0	
LAB*LABd	76.06	0.0	0.0	
LAB*LABe	76.06	0.0	0.0	
LAB*LABf	76.06	0.0	0.0	
LAB*LABg	76.06	0.0	0.0	
LAB*LABh	76.06	0.0	0.0	
LAB*LABi	76.06	0.0	0.0	
LAB*LABj	76.06	0.0	0.0	
LAB*LABk	76.06	0.0	0.0	
LAB*LABl	76.06	0.0	0.0	
LAB*LABm	76.06	0.0	0.0	
LAB*LABn	76.06	0.0	0.0	
LAB*LABo	76.06	0.0	0.0	
LAB*LABp	76.06	0.0	0.0	
LAB*LABq	76.06	0.0	0.0	
LAB*LABr	76.06	0.0	0.0	
LAB*LABs	76.06	0.0	0.0	
LAB*LABt	76.06	0.0	0.0	
LAB*LABu	76.06	0.0	0.0	
LAB*LABv	76.06	0.0	0.0	
LAB*LABw	76.06	0.0	0.0	
LAB*LABx	76.06	0.0	0.0	
LAB*LABy	76.06	0.0	0.0	
LAB*LABz	76.06	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	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	-0.6	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	76.06	0.0	0.0	
LAB*LABc	76.06	0.0	0.0	
LAB*LABd	76.06	0.0	0.0	
LAB*LABe	76.06	0.0	0.0	
LAB*LABf	76.06	0.0	0.0	
LAB*LABg	76.06	0.0	0.0	
LAB*LABh	76.06	0.0	0.0	
LAB*LABi	76.06	0.0	0.0	
LAB*LABj	76.06	0.0	0.0	
LAB*LABk	76.06	0.0	0.0	
LAB*LABl	76.06	0.0	0.0	
LAB*LABm	76.06	0.0	0.0	
LAB*LABn	76.06	0.0	0.0	
LAB*LABo	76.06	0.0	0.0	
LAB*LABp	76.06	0.0	0.0	
LAB*LABq	76.06	0.0	0.0	
LAB*LABr	76.06	0.0	0.0	
LAB*LABs	76.06	0.0	0.0	
LAB*LABt	76.06	0.0	0.0	
LAB*LABu	76.06	0.0	0.0	
LAB*LABv	76.06	0.0	0.0	
LAB*LABw	76.06	0.0	0.0	
LAB*LABx	76.06	0.0	0.0	
LAB*LABy	76.06	0.0	0.0	
LAB*LABz	76.06	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	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.71	-0.23	2.14	
LAB*LAB _a	56.71	0.0	0.0	

Eingabe: Farbmetrisches Reflexions-System NCS18

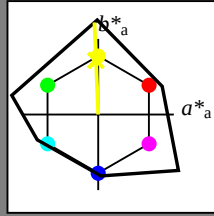
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

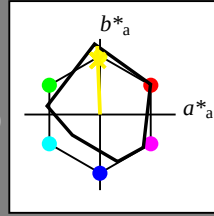
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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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

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$

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 $n^* = 1,0$

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0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,25$ $n^* = 0,00$

0,25

0,00

 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,25$ $n^* = 0,00$

0,25

0,00

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (links)5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

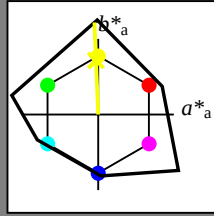
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

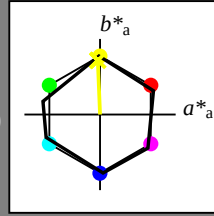
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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 $n^* = 1,0$

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relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

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relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$

0,75

1,00

relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (links)5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS18

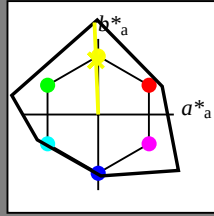
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmimetrisches Reflexions-System NCS18

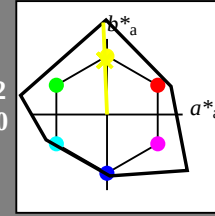
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIELAB

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relative Natural Colour (NC)

relative Inform. Technology (IT)

standard and adapted CIELAB

relative CIELAB lab*

relative

Eingabe: Farbmetrisches Reflexions-System NCS18

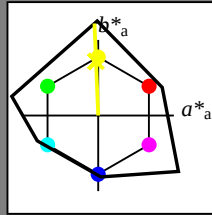
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System NRS11

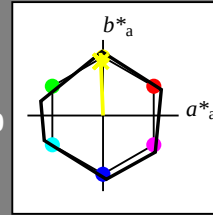
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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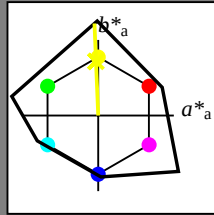
Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 92/360 = 0.256$

lab^*ch und lab^*nch

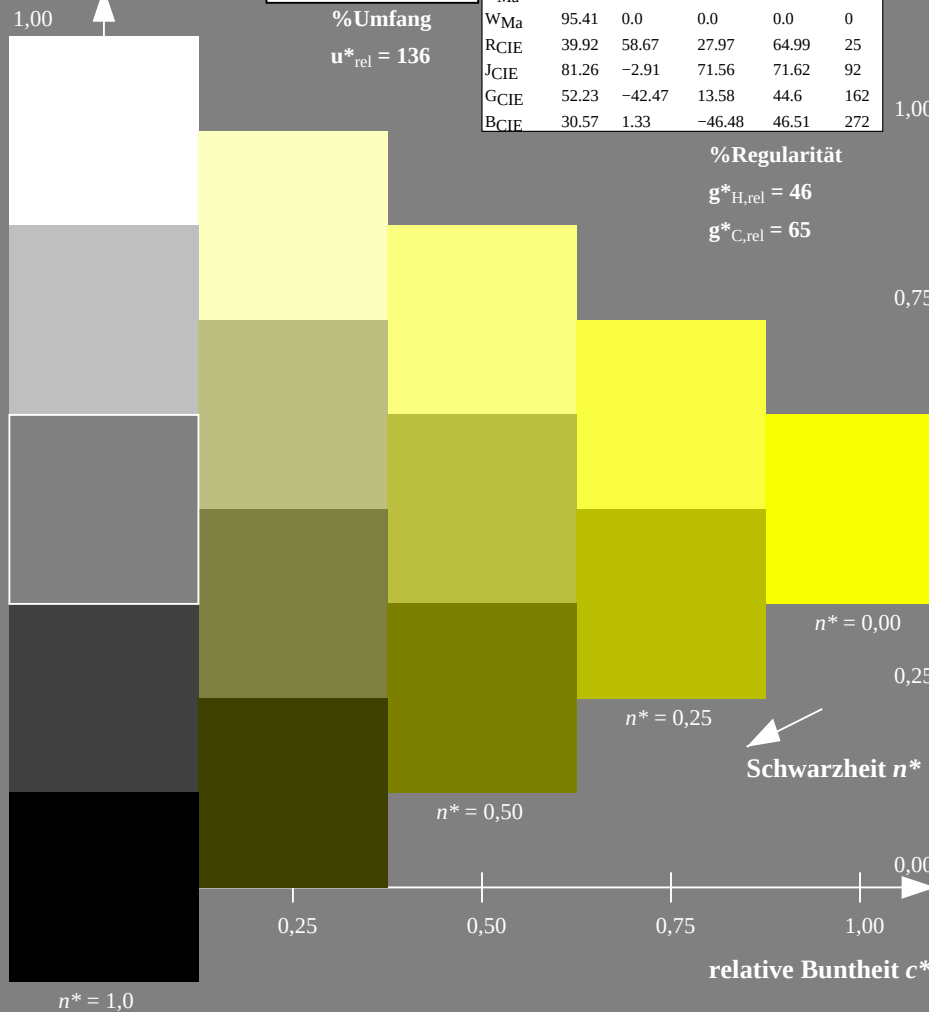
D65: Buntton J
LCH*Ma: 90 122 92
rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$



%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

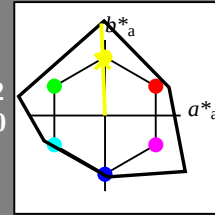
Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 92/360 = 0.256$

lab^*ch und lab^*nch

D65: Buntton J
LCH*Ma: 90 122 92
rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

1,00

0,75

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	-0.01
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*ch	1.0	0.0	-
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	74.31	0.0	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	75.01	0.01	-

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*ch	0.75	0.0	-
lab*nch	0.25	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	53.21	0.0	0.0
LAB*LABa	53.21	0.0	0.0
LAB*LABb	50.0	0.0	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*ch	0.5	0.0	-
lab*nch	0.5	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	32.11	0.0	0.0
LAB*LABa	32.11	0.0	0.0
LAB*LABb	25.0	0.01	-

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*ch	0.25	0.0	-
lab*nch	0.25	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*nce	0.25	0.0	-

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	11.01	0.0	0.0
LAB*LABa	11.01	0.0	0.0
LAB*LABb	0.01	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*ch	0.0	0.0	-
lab*nch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*nce	1.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.992	1.0	0.75	(1.0)
cmyn3*	0.008	0.0	0.25	(0.0)
olvi4*	0.992	1.0	0.75	(1.0)
cmyn4*	0.008	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	94.16	-1.21	30.44
LAB*LABa	94.16	-1.22	30.44
LAB*LABb	99.99	0.01	-

relative CIELAB lab*

lab*lab	0.985	-0.009	0.25
lab*ch	0.875	0.25	0.256
lab*nch	0.0	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.985	0.0	0.25
lab*nce	0.875	0.25	0.256

relative Inform. Technology (IT)

olvi3*	0.742	0.75	0.5	(1.0)
cmyn3*	0.258	0.25	0.5	(0.0)
olvi4*	0.982	1.0	0.75	(1.0)
cmyn4*	0.008	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	73.07	-1.2	30.45
LAB*LABa	73.07	-1.23	30.45
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.735	-0.009	0.25
lab*ch	0.625	0.25	0.256
lab*nch	0.25	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.735	0.0	0.25
lab*nce	0.625	0.25	0.256

relative Inform. Technology (IT)

olvi3*	0.492	0.5	0.25	(1.0)
cmyn3*	0.508	0.5	0.25	(0.0)
olvi4*	0.992	1.0	0.75	(1.0)
cmyn4*	0.008	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	51.96	-1.18	30.46
LAB*LABa	51.96	-1.23	30.45
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.485	-0.009	0.25
lab*ch	0.375	0.25	0.256
lab*nch	0.5	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.485	0.0	0.25
lab*nce	0.375	0.25	0.256

relative Inform. Technology (IT)

olvi3*	0.242	0.25	0.0	(1.0)
cmyn3*	0.758	0.75	1.0	(0.0)
olvi4*	0.992	1.0	0.75	(1.0)
cmyn4*	0.008	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	30.86	-1.17	30.45
LAB*LABa	30.86	-1.23	30.43
LAB*LABb	12.5	0.01	-

relative CIELAB lab*

lab*lab	0.235	-0.009	0.25
lab*ch	0.125	0.25	0.256
lab*nch	0.75	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.235	0.0	0.25
lab*nce	0.125	0.25	0.256

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	11.01	0.0	0.0
LAB*LABa	11.01	0.0	0.0
LAB*LABb	0.01	0.0	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*ch	0.0	0.0	-
lab*nch	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*nce	1.0	0.0	-

$n^* = 1,0$

NCS11; adaptierte CIELAB-Daten

$L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$

RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)

olvi3*	0.984	1.0	0.5	(1.0)
cmyn3*	0.016	0.0	0.5	(0.0)
olvi4*	0.984	1.0	0.5	(1.0)
cmyn4*	0.016	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	92.92	-2.44	60.89
LAB*LABa	92.92	-2.46	60.89
LAB*LABb	75.0	0.01	-

relative CIELAB lab*

lab*lab	0.971	-0.019	0.499
lab*ch	0.75	0.25	0.256
lab*nch	0.0	0.25	0.256

relative Natural Colour (NC)

lab*trj	0.971	0.0	0.25
lab*nce	0.75	0.25	0.256

relative Inform. Technology (IT)

olvi3*	0.976	1.0	0.25	(1.0)
cmyn3*	0.024	0.0	0.75	(0.0)
olvi4*	0.976	1.0	0.25	(1.0)
cmyn4*	0.024	0.0	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	91.68	-3.68	91.34
LAB*LABa	91.68	-3.69	91.34
LAB*LABb	62.5	0.01	-

relative CIELAB lab*

lab*lab	0.956	-0.029	0.749
lab*ch	0.625	0.75	0.256
lab*nch	0.0	0.75	0.256

relative Natural Colour (NC)

lab*trj	0.956	0.0	0.75
lab*nce	0.625	0.75	0.256

relative Inform. Technology (IT)

olvi3*	0.967	1.0	0.0	(1.0)
cmyn3*	0.033	0.0	1.0	(0.0)
olvi4*	0.968	1.0	0.0	(1.0)
cmyn4*	0.033	0.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	90.45	-4.92	121.77
LAB*LABa	90.45	-4.93	121.77
LAB*LABb	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.941	-0.04	0.999
lab*ch	0.5	1.0	0.256
lab*nch	0.0	1.0	0.256

relative Natural Colour (NC)

lab*trj	0.941	0.0	1.0
lab*nce	0.5	1.0	0.256

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

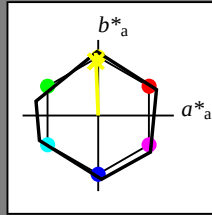
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmetrisches Reflexions-System ORS18

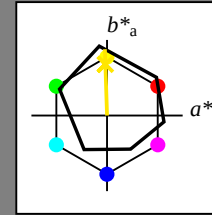
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,25$ $n^* = 0,00$

0,25

0,00

 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,25$ $n^* = 0,00$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (links)5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$

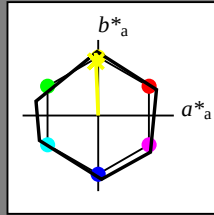
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 83 92

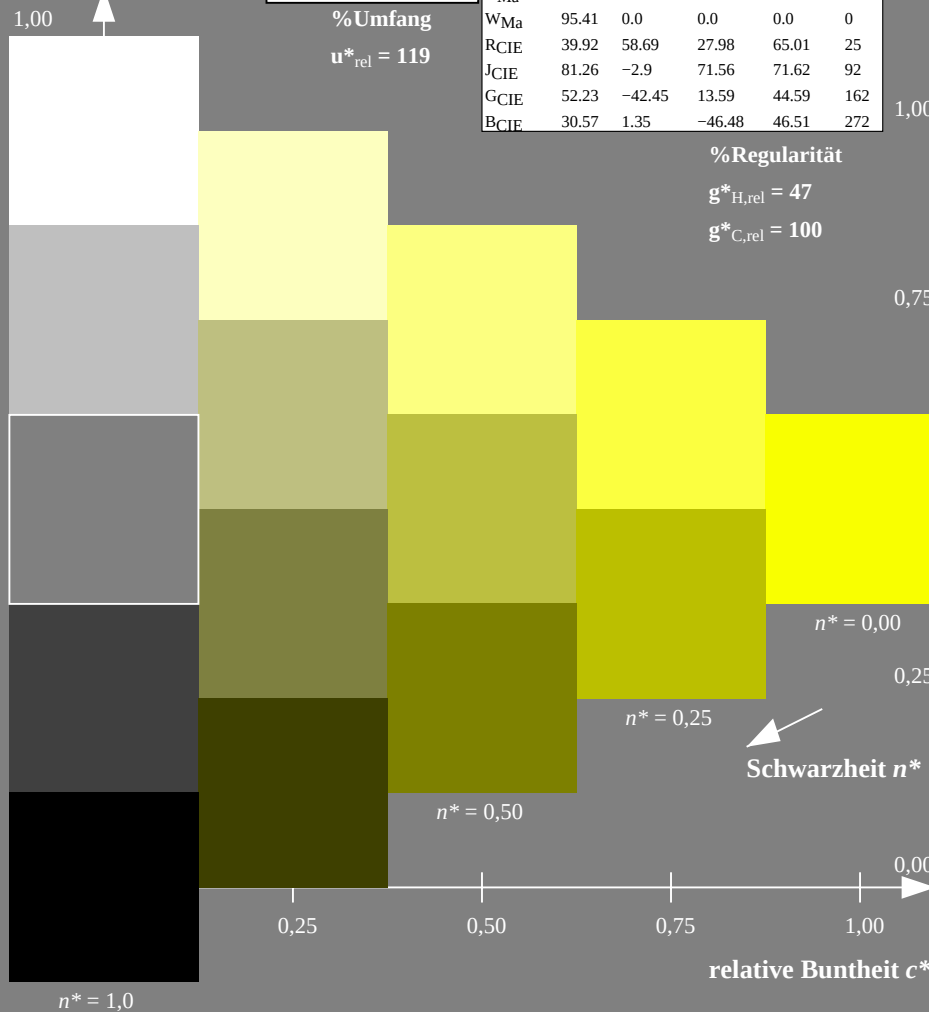
rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 119$



relative Buntheit c^*

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,\text{rel}} = 47$

$g^*_{C,\text{rel}} = 100$

Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$

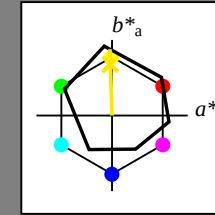
lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

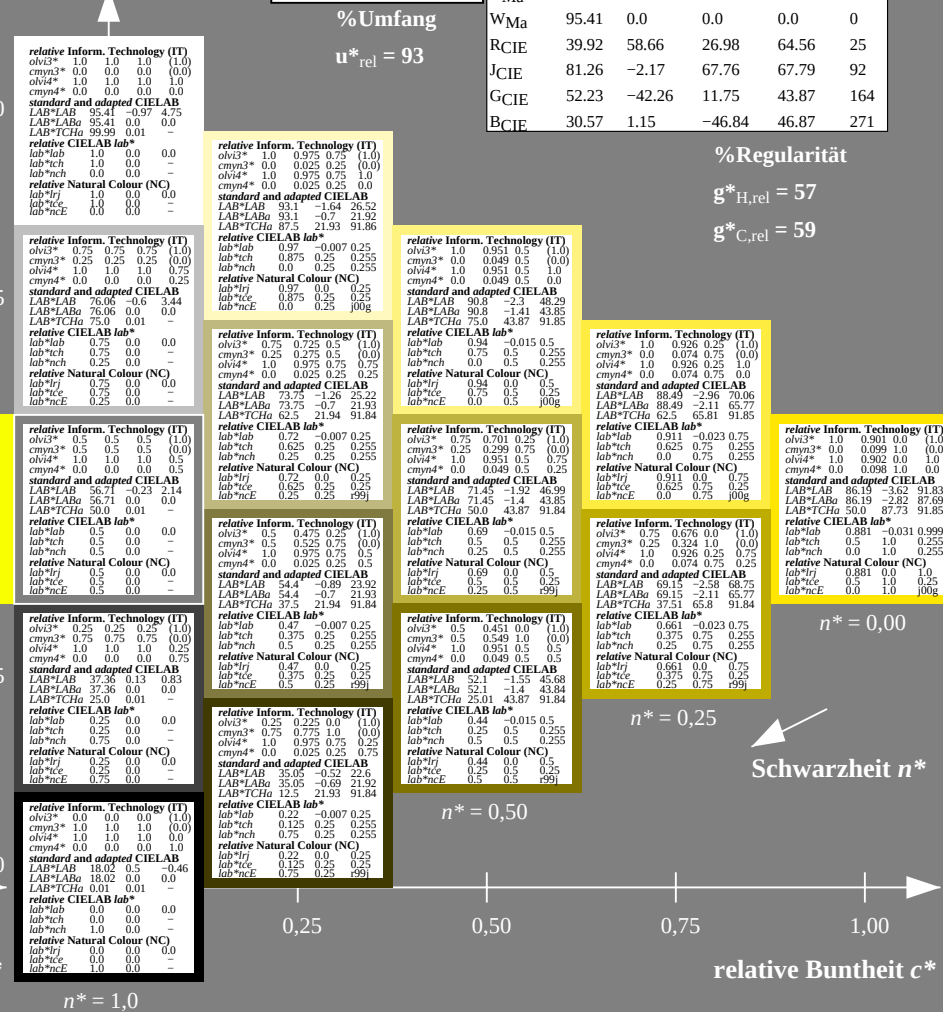
rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{\text{rel}} = 93$



relative Buntheit c^*

TRS18; 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

$g^*_{H,\text{rel}} = 57$

$g^*_{C,\text{rel}} = 59$

Eingabe: Farbmetrisches Reflexions-System NRS11

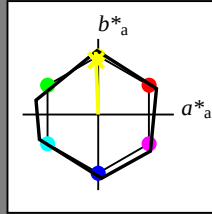
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

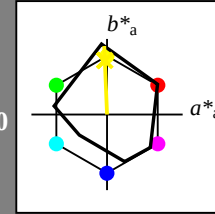
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 92$

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MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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
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

 $g^*_{H,\text{rel}} = 42$ $g^*_{C,\text{rel}} = 49$

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 $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (links)5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

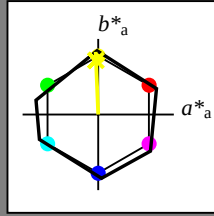
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

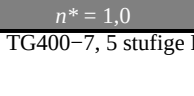
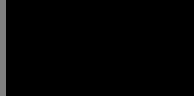
Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

1,00

 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

Ausgabe: Farbmetrisches Reflexions-System NRS18

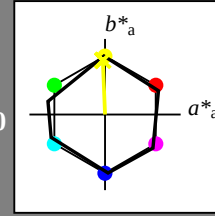
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

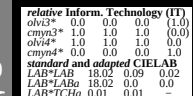
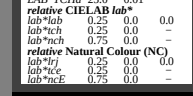
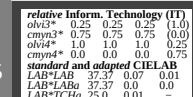
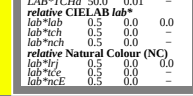
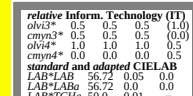
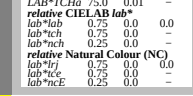
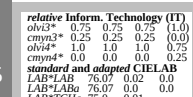
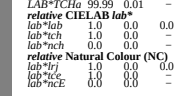
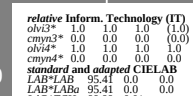
Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

1,00

 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^*

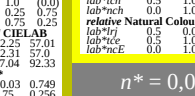
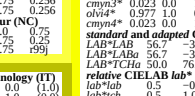
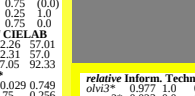
NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 92/360 = 0.256$

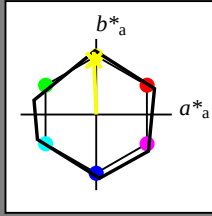
lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 92/360 = 0.256$

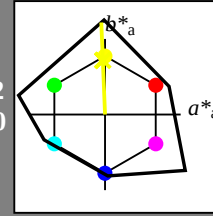
lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

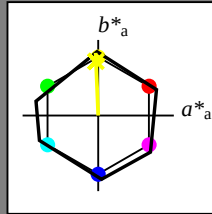
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

NRS11; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	53.2	77.06	34.32	84.36	24	
JMa	53.2	-1.51	84.38	84.39	91	
GMa	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	4.37	-84.28	84.41	273	
B50R _{Ma}	53.2	69.09	-48.41	84.37	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (links)

Ausgabe: Farbmetrisches Reflexions-System NRS11

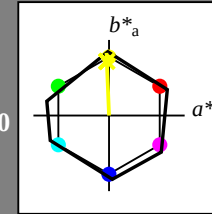
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

NRS11; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	53.2	77.06	34.32	84.36	24	
JMa	53.2	-1.51	84.38	84.39	91	
GMa	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	4.37	-84.28	84.41	273	
B50R _{Ma}	53.2	69.09	-48.41	84.37	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

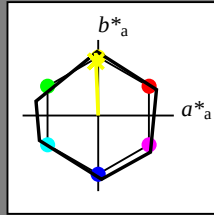
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmetrisches Reflexions-System NCS11

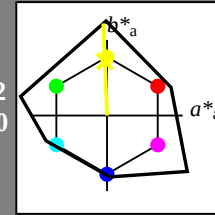
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (links)5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.256$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

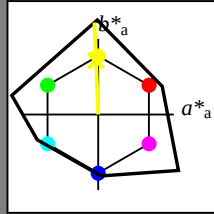
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

1,00

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System ORS18

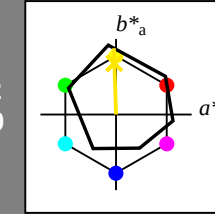
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

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lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 1.0 0.975 0.75 (1.0)

cmyn3* 0.0 0.025 0.25 (0.0)

olvi4* 1.0 0.975 0.75 (1.0)

cmyn4* 0.0 0.025 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 93.1 -1.64 26.52

LAB*LABa 93.1 -0.7 21.92

LAB*LABb 93.1 -0.7 21.92

relative CIELAB lab*

lab*lab 0.97 -0.007 0.25

lab*lab 0.97 0.25 0.25

lab*lab 0.97 0.25 0.25

relative Natural Colour (NC)

lab*lab 0.97 0.25 0.25

lab*lab 0.97 0.25 0.25

lab*lab 0.97 0.25 0.25

lab*lab 0.97 0.25 0.25

lab*lab 0.97 0.25 0.25

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lab*lab 0.97 0.25 0.25

lab*lab 0.97 0.25 0.25

lab*lab 0.97 0.25 0.25

lab*lab 0.97 0.25 0.25

lab*lab 0.97 0.25 0.25

lab*lab 0.97 0.25 0.25

relative Inform. Technology (IT)

olvi3* 1.0 0.951 0.5 (1.0)

cmyn3* 0.0 0.049 0.5 (0.0)

olvi4* 1.0 0.951 0.5 (1.0)

cmyn4* 0.0 0.049 0.5 (0.0)

standard and adapted CIELAB

LAB*LAB 90.8 -2.3 48.29

LAB*LABa 90.8 -1.41 43.85

LAB*LABb 90.8 -1.41 43.85

relative CIELAB lab*

lab*lab 0.94 -0.015 0.5

lab*lab 0.94 0.5 0.25

lab*lab 0.94 0.5 0.25

relative Natural Colour (NC)

lab*lab 0.94 0.5 0.25

lab*lab 0.94 0.5 0.25

lab*lab 0.94 0.5 0.25

lab*lab 0.94 0.5 0.25

lab*lab 0.94 0.5 0.25

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lab*lab 0.94 0.5 0.25

lab*lab 0.94 0.5 0.25

relative Inform. Technology (IT)

olvi3* 1.0 0.926 0.25 (1.0)

cmyn3* 0.0 0.074 0.75 (0.0)

olvi4* 1.0 0.926 0.25 (1.0)

cmyn4* 0.0 0.074 0.75 (0.0)

standard and adapted CIELAB

LAB*LAB 88.49 -2.86 70.06

LAB*LABa 88.49 -2.11 65.77

LAB*LABb 88.49 -2.11 65.77

relative CIELAB lab*

lab*lab 0.911 -0.023 0.75

lab*lab 0.911 0.75 0.25

lab*lab 0.911 0.75 0.25

relative Natural Colour (NC)

lab*lab 0.911 0.75 0.25

lab*lab 0.911 0.75 0.25

lab*lab 0.911 0.75 0.25

lab*lab 0.911 0.75 0.25

lab*lab 0.911 0.75 0.25

lab*lab 0.911 0.75 0.25

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lab*lab 0.911 0.75 0.25

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lab*lab 0.911 0.75 0.25

lab*lab 0.911 0.75 0.25

Eingabe: Farbmetrisches Reflexions-System NCS11

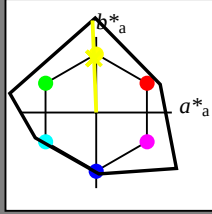
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System MRS18

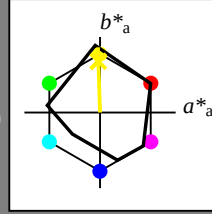
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.255$ lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

 $n^* = 1,0$

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relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.988 0.75 (1.0)
cmyn3* 0.0 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 93.72 -1.64 26.21
LAB*LABa 93.72 -0.69 21.57
LAB*TCRa 93.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*nce 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 0.988 0.75 (1.0)
cmyn4* 0.0 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.0 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCRa 75.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*nce 0.25 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 0.988 0.75 (1.0)
cmyn4* 0.0 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCRa 50.0 0.0 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*nce 0.5 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 0.988 0.75 (1.0)
cmyn4* 0.0 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCRa 25.0 0.0 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.988 0.75 (1.0)
olvi4* 1.0 1.0 0.988 0.75 (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
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.988 0.75 (1.0)
cmyn3* 0.0 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 12.5 21.57 91.84
LAB*LABa 12.5 21.57 91.84
LAB*TCRa 12.5 21.57 91.84

relative CIELAB lab*
lab*lab 0.228 -0.007 0.25
lab*ch 0.125 0.25 0.255
lab*nch 0.75 0.25 0.255
relative Natural Colour (NC)
lab*trj 0.228 0.0 0.25
lab*nce 0.125 0.25 0.255

relative Inform. Technology (IT)
olvi3* 1.0 0.988 0.75 (1.0)
cmyn3* 0.0 0.012 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 93.72 -1.64 26.21
LAB*LABa 93.72 -0.69 21.57
LAB*TCRa 93.99 0.01 -

relative CIELAB lab*
lab*lab 0.978 -0.007 0.25
lab*ch 0.875 0.25 0.255
lab*nch 0.0 0.25 0.255
relative Natural Colour (NC)
lab*trj 0.978 0.0 0.25
lab*nce 0.875 0.25 0.255

relative Inform. Technology (IT)
olvi3* 0.75 0.738 0.5 (1.0)
cmyn3* 0.25 0.262 0.5 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 74.38 -1.25 24.91
LAB*LABa 74.38 -0.68 21.57
LAB*TCRa 62.5 21.58 91.84

relative CIELAB lab*
lab*lab 0.728 -0.007 0.25
lab*ch 0.625 0.25 0.255
lab*nch 0.25 0.25 0.255
relative Natural Colour (NC)
lab*trj 0.728 0.0 0.25
lab*nce 0.625 0.25 0.255

relative Inform. Technology (IT)
olvi3* 0.5 0.488 0.25 (1.0)
cmyn3* 0.5 0.512 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 55.03 -0.89 23.6
LAB*LABa 55.03 -0.68 21.57
LAB*TCRa 37.5 21.58 91.84

relative CIELAB lab*
lab*lab 0.478 -0.007 0.25
lab*ch 0.375 0.25 0.255
lab*nch 0.5 0.25 0.255
relative Natural Colour (NC)
lab*trj 0.478 0.0 0.25
lab*nce 0.375 0.25 0.255

relative Inform. Technology (IT)
olvi3* 0.25 0.238 0.0 (1.0)
cmyn3* 0.75 0.762 1.0 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 35.68 -0.52 22.29
LAB*LABa 35.68 -0.68 21.56
LAB*TCRa 12.5 21.57 91.84

relative CIELAB lab*
lab*lab 0.228 -0.007 0.25
lab*ch 0.125 0.25 0.255
lab*nch 0.75 0.25 0.255
relative Natural Colour (NC)
lab*

5 stufige Reihen für konstanten CIELAB Buntton $92/360 = 0.255$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

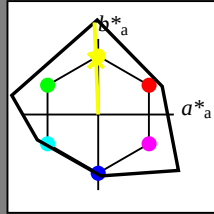
für Buntton $h^* = lab^*h = 92/360 = 0.256$ lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System MRS18a

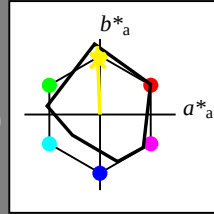
für Buntton $h^* = lab^*h = 92/360 = 0.256$ lab^*ch und lab^*nch

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
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

 $g^*_{H,rel} = 42$ $g^*_{C,rel} = 49$

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0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 0,50$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

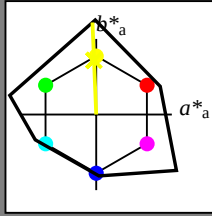
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
J _{CIE}	81.26	-2.9	71.56	71.62	92
G _{CIE}	52.23	-42.45	13.59	44.59	162
B _{CIE}	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

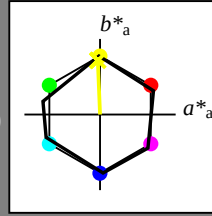
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 57 76 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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
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

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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 $n^* = 1,0$

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relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$

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 $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

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%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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$$n^* = 1,0$$

Eingabe: Farbmetrisches Reflexions-System NCS11

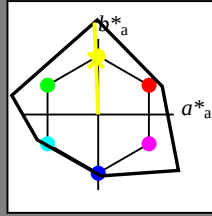
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System NRS11

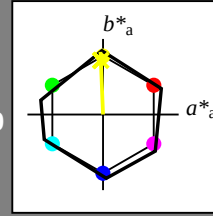
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Eingabe: Farbmetrisches Reflexions-System NCS11

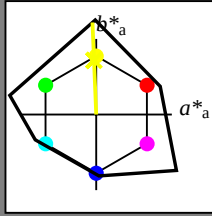
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 46$ $g^*_{C,\text{rel}} = 65$

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Ausgabe: Farbmetrisches Reflexions-System NCS11

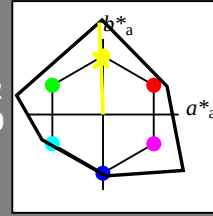
für Buntton $h^* = \text{lab}^*h = 92/360 = 0.256$ lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 149$

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relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	99.99	0.01	-		

relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*lab	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*trj	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	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*LABb	75.01	0.01	-		

relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*lab	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*trj	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	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*LABb	50.0	0.0	0.0		

relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*lab	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*trj	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	32.11	0.0	0.0		
LAB*LABa	32.11	0.0	0.0		
LAB*LABb	25.0	0.01	-		

relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*lab	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*trj	0.25	0.0	0.0		
lab*nch	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.07	0.01		
LAB*LABa	11.01	0.0	0.0		
LAB*LABb	0.01	0.01	-		

relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-
relative Natural Colour (NC)			
lab*lrj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*ch und lab^*nch

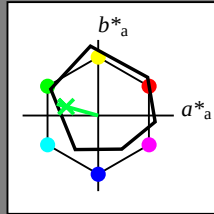
D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 93$

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*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	95.41	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*TCHa	99.99	0.01	-	-	-
relative CIELAB lab*	lab*lab	1.0	0.0	0.0	0.0
lab*ch	1.0	0.0	-	-	-
lab*nch	0.0	0.0	-	-	-
relative Natural Colour (NC)	lab*trj	1.0	0.0	0.0	0.0
lab*trc	0.0	0.0	-	-	-
lab*ncc	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	0.75
cmyn4*	0.0	0.0	0.0	0.25	0.25
standard and adapted CIELAB	LAB*LAB	76.06	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*TCHa	75.0	0.01	-	-	-
relative CIELAB lab*	lab*lab	0.75	0.0	0.0	0.0
lab*ch	0.75	0.0	-	-	-
lab*nch	0.25	0.0	-	-	-
relative Natural Colour (NC)	lab*trj	0.75	0.0	0.0	0.0
lab*trc	0.25	0.0	-	-	-
lab*ncc	0.25	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	0.5	0.5
cmyn4*	0.0	0.0	0.0	0.5	0.5
standard and adapted CIELAB	LAB*LAB	56.71	0.23	2.14	0.0
LAB*LABa	56.71	0.23	2.14	0.0	0.0
LAB*TCHa	50.0	0.01	-	-	-
relative CIELAB lab*	lab*lab	0.5	0.0	0.0	0.0
lab*ch	0.5	0.0	-	-	-
lab*nch	0.5	0.0	-	-	-
relative Natural Colour (NC)	lab*trj	0.5	0.0	0.0	0.0
lab*trc	0.5	0.0	-	-	-
lab*ncc	0.5	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	0.25	0.25
cmyn4*	0.0	0.0	0.0	0.75	0.75
standard and adapted CIELAB	LAB*LAB	37.36	0.13	0.83	0.0
LAB*LABa	37.36	0.13	0.83	0.0	0.0
LAB*TCHa	25.0	0.01	-	-	-
relative CIELAB lab*	lab*lab	0.25	0.0	0.0	0.0
lab*ch	0.25	0.0	-	-	-
lab*nch	0.25	0.0	-	-	-
relative Natural Colour (NC)	lab*trj	0.25	0.0	0.0	0.0
lab*trc	0.25	0.0	-	-	-
lab*ncc	0.25	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	0.0	0.0
cmyn4*	0.0	0.0	0.0	1.0	1.0
standard and adapted CIELAB	LAB*LAB	18.02	0.5	-0.46	0.0
LAB*LABa	18.02	0.5	-0.46	0.0	0.0
LAB*TCHa	0.01	0.01	-	-	-
relative CIELAB lab*	lab*lab	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	-	-	-
lab*nch	1.0	0.0	-	-	-
relative Natural Colour (NC)	lab*trj	0.0	0.0	0.0	0.0
lab*trc	0.0	0.0	-	-	-
lab*ncc	1.0	0.0	-	-	-

 $n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*ch und lab^*nch

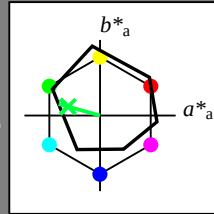
D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 93$

relative Inform. Technology (IT)	olvi3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(0.0)	0.0
olvi4*	1.0	0.75	1.0	0.812	1.0
cmyn4*	0.25	0.0	0.188	0.0	0.0
standard and adapted CIELAB	LAB*LAB	84.75	-14.46	7.83	0.0
LAB*LABa	84.75	-13.69	3.81	0.0	0.0
LAB*TCHa	87.5	14.22	164.46	-	-
relative CIELAB lab*	lab*lab	0.862	-0.24	0.067	0.0
lab*ch	0.875	0.25	0.457	0.0	0.0
lab*nch	0.0	0.25	0.457	0.0	0.0
relative Natural Colour (NC)	lab*trj	0.862	-0.249	0.0	0.0
lab*trc	0.25	0.25	0.5	0.0	0.0
lab*ncc	0.0	0.25	0.5	0.0	0.0

relative Inform. Technology (IT)	olvi3*	0.5	0.75	0.562	(1.0)
cmyn3*	0.5	0.25	0.438	(0.0)	0.0
olvi4*	0.75	1.0	0.812	0.75	0.75
cmyn4*	0.25	0.0	0.188	0.25	0.25
standard and adapted CIELAB	LAB*LAB	65.41	-14.1	6.53	0.0
LAB*LABa	65.41	-13.69	3.81	0.0	0.0
LAB*TCHa	62.5	14.22	164.46	-	-
relative CIELAB lab*	lab*lab	0.612	-0.24	0.067	0.0
lab*ch	0.625	0.25	0.457	0.0	0.0
lab*nch	0.25	0.25	0.457	0.0	0.0
relative Natural Colour (NC)	lab*trj	0.612	-0.249	0.0	0.0
lab*trc	0.25	0.25	0.5	0.0	0.0
lab*ncc	0.25	0.25	0.5	0.0	0.0

relative Inform. Technology (IT)	olvi3*	0.25	0.5	0.312	(1.0)
cmyn3*	0.75	0.5	0.688	(0.0)	0.0
olvi4*	1.0	0.75	1.0	0.5	0.5
cmyn4*	0.25	0.0	0.188	0.5	0.5
standard and adapted CIELAB	LAB*LAB	46.06	-13.73	5.24	0.0
LAB*LABa	46.06	-13.69	3.81	0.0	0.0
LAB*TCHa	37.5	14.22	164.46	-	-
relative CIELAB lab*	lab*lab	0.362	-0.24	0.067	0.0
lab*ch	0.375	0.25	0.457	0.0	0.0
lab*nch	0.5	0.25	0.457	0.0	0.0
relative Natural Colour (NC)	lab*trj	0.362	-0.249	0.0	0.0
lab*trc	0.25	0.25	0.5	0.0	0.0
lab*ncc	0.5	0.25	0.5	0.0	0.0

relative Inform. Technology (IT)	olvi3*	0.0	0.25	0.062	(1.0)
cmyn3*	1.0	0.75	0.938	(0.0)	0.0
olvi4*	0.75	1.0	0.812	0.25	0.25
cmyn4*	0.25	0.0	0.188	0.75	0.75
standard and adapted CIELAB	LAB*LAB	26.71	-13.35	3.94	0.0
LAB*LABa	26.71	-13.69	3.82	0.0	0.0
LAB*TCHa	12.5	14.22	164.44	-	-
relative CIELAB lab*	lab*lab	0.112	-0.24	0.067	0.0
lab*ch	0.125	0.25	0.457	0.0	0.0
lab*nch	0.75	0.25	0.457	0.0	0.0
relative Natural Colour (NC)	lab*trj	0.112	-0.249	0.0	0.0
lab*trc	0.25	0.25	0.5	0.0	0.0
lab*ncc	0.75	0.25	0.5	0.0	0.0

relative Inform. Technology (IT)	olvi3*	0.5	1.0	0.623	(1.0)
cmyn3*	0.5	0.0	0.377	(0.0)	0.0
olvi4*	1.0	0.5	0.623	1.0	1.0
cmyn4*	0.5	0.0	0.377	0.0	0.0
standard and adapted CIELAB	LAB*LAB	74.1	-27.96	10.94	0.0
LAB*LABa	74.1	-27.39	7.62	0.0	0.0
LAB*TCHa	75.0	28.44	164.46	-	-
relative CIELAB lab*	lab*lab	0.725	-0.481	0.134	0.0
lab*ch	0.75	0.5	0.457	0.0	0.0
lab*nch	0.0	0.5	0.457	0.0	0.0
relative Natural Colour (NC)	lab*trj	0.725	-0.489	0.0	0.0
lab*trc	0.5	0.5	0.5	0.0	0.0
lab*ncc	0.0	0.5	0.5	0.0	0.0

relative Inform. Technology (IT)	olvi3*	0.25	0.75	0.373	(1.0)
cmyn3*	0.75	0.25	0.627	(0.0)	0.0
olvi4*	1.0	0.75	1.0	0.623	0.75
cmyn4*	0.5	0.0	0.377	0.25	0.25
standard and adapted CIELAB	LAB*LAB	54.75	-27.6	9.64	0.0
LAB*LABa	54.75	-27.39	7.62	0.0	0.0
LAB*TCHa	50.0	28.44	164.46	-	-
relative CIELAB lab*	lab*lab	0.475	-0.481	0.134	0.0
lab*ch	0.475	0.25	0.457	0.0	0.0
lab*nch	0.25	0.5	0.457	0.0	0.0
relative Natural Colour (NC)	lab*trj	0.475	-0.489	0.0	0.0
lab*trc	0.5	0.5	0.5	0.0	0.0
lab*ncc	0.25	0.5	0.5	0.0	0.0

relative Inform. Technology (IT)	olvi3*	0.0	0.5	0.123	(1.0)
cmyn3*	1.0	0.5	0.877	(0.0)	0.0
olvi4*	0.5	1.0	0.623	0.5	0.5
cmyn4*	0.5	0.0	0.377	0.5	0.5
standard and adapted CIELAB	LAB*LAB	35.41	-27.22	8.34	0.0
LAB*LABa	35.41	-27.39	7.63	0.0	0.0
LAB*TCHa	25.01	28.44	164.45	-	-
relative CIELAB lab*	lab*lab	0.225	-0.481	0.134	0.0
lab*ch	0.25	0.5	0.457	0.0	0.0
lab*nch	0.5	0.5	0.457	0.0	0.0
relative Natural Colour (NC)	lab*trj	0.225	-0.489	0.0	0.0
lab*trc	0.25	0.5	0.5	0.0	0.0
lab*ncc	0.5	0.5	0.5	0.0	0.0

relative Inform. Technology (IT)	olvi3*	0.0	0.25	0.062	(1.0)
cmyn3*	1.0	0.75	0.938	(0.0)	0.0
olvi4*	0.75	1.0	0.812	0.25	0.25
cmyn4*	0.25	0.0	0.188	0.75	0.75
standard and adapted CIELAB	LAB*LAB	26.71	-13.35	3.94	0.0
LAB*LABa	26.71	-13.69	3.82	0.0	0.0
LAB*TCHa	12.5	14.22	164.44	-	-
relative CIELAB lab*	lab*lab	0.112	-0.24	0.067	0.0
lab*ch	0.125	0.25	0.457	0.0	0.0
lab*nch	0.75	0.25	0.457	0.0	0.0
relative Natural Colour (NC)	lab*trj	0.112	-0.249	0.0	0.0
lab*trc	0.25	0.25	0.5	0.0	0.0
lab*ncc	0.75	0.25	0.5	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	0.0	0.0
cmyn4*	0.0	0.0	0.0	1.0	1.0
standard and adapted CIELAB	LAB*LAB	18.02	0.5	-0.46	0.0
LAB*LABa	18.02	0.5	-0.46	0.0	0.0
LAB*TCHa	0.01	0.01	-	-	-
relative CIELAB lab*	lab*lab	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	-	-	-
lab*nch	1.0	0.0	-	-	-
relative Natural Colour (NC)	lab*trj	0.0	0.0	0.0	0.0
lab*trc	0.0	0.0	-	-	-
lab*ncc	1.0	0.0	-	-	-

 $n^* = 1,0$

ORS18; adaptierte CIELAB-Daten

Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = \text{lab}^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit

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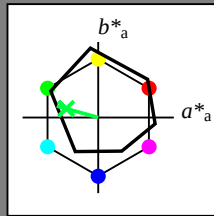
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%Umfang

 $u^*_{\text{rel}} = 93$

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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = \text{lab}^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit

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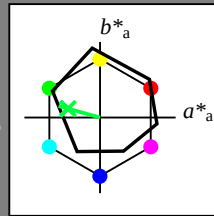
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%Umfang

 $u^*_{\text{rel}} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

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 0.0 0.0
LAB*LABa 76.06 0.0 0.0
LAB*TCRa 75.01 -

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 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCRa 50.01 -

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*LABa 37.36 0.13 0.83
LAB*TCRa 25.01 -

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.5 -0.46
LAB*TCRa 0.01 -

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.812 (1.0)
cmyn3* 0.25 0.0 0.188 (0.0)
olvi4* 0.75 1.0 0.812 (1.0)
cmyn4* 0.25 0.0 0.188 (0.0)
standard and adapted CIELAB
LAB*LAB 84.75 -14.46 7.83
LAB*LABa 84.75 -13.69 3.81
LAB*TCRa 87.5 14.22 164.46

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.623 (1.0)
cmyn3* 0.5 0.0 0.377 (0.0)
olvi4* 0.5 1.0 0.623 (1.0)
cmyn4* 0.5 0.0 0.377 (0.0)
standard and adapted CIELAB
LAB*LAB 74.1 -27.96 10.94
LAB*LABa 74.1 -27.39 7.62
LAB*TCRa 75.0 28.44 164.46

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.435 (1.0)
cmyn3* 0.75 0.0 0.565 (0.0)
olvi4* 0.25 1.0 0.435 (1.0)
cmyn4* 0.75 0.0 0.565 (0.0)
standard and adapted CIELAB
LAB*LAB 63.45 -41.46 14.03
LAB*LABa 63.45 -41.09 11.43
LAB*TCRa 62.5 42.66 164.46

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.246 (1.0)
cmyn3* 1.0 0.0 0.754 (0.0)
olvi4* 0.0 1.0 0.246 (1.0)
cmyn4* 1.0 0.0 0.754 (0.0)
standard and adapted CIELAB
LAB*LAB 52.8 -54.95 17.13
LAB*LABa 52.8 -54.79 15.24
LAB*TCRa 50.0 56.88 164.45

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.182 (1.0)
cmyn3* 1.0 0.25 0.815 (0.0)
olvi4* 0.0 0.75 0.182 (1.0)
cmyn4* 1.0 0.25 0.815 (0.0)
standard and adapted CIELAB
LAB*LAB 44.11 -41.09 12.73
LAB*LABa 44.11 -41.09 12.73
LAB*TCRa 37.51 42.66 164.45

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.123 (1.0)
cmyn3* 1.0 0.5 0.877 (0.0)
olvi4* 0.0 0.5 0.123 (1.0)
cmyn4* 1.0 0.5 0.877 (0.0)
standard and adapted CIELAB
LAB*LAB 35.41 -27.22 8.34
LAB*LABa 35.41 -27.39 7.63
LAB*TCRa 25.01 28.44 164.45

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.062 (1.0)
cmyn3* 1.0 0.25 0.938 (0.0)
olvi4* 0.0 0.25 0.062 (1.0)
cmyn4* 1.0 0.25 0.938 (0.0)
standard and adapted CIELAB
LAB*LAB 26.71 -13.35 3.94
LAB*LABa 26.71 -13.69 3.82
LAB*TCRa 12.5 14.22 164.44

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.812 (1.0)
cmyn3* 0.25 0.0 0.188 (0.0)
olvi4* 0.75 1.0 0.812 (1.0)
cmyn4* 0.25 0.0 0.188 (0.0)
standard and adapted CIELAB
LAB*LAB 84.75 -14.46 7.83
LAB*LABa 84.75 -13.69 3.81
LAB*TCRa 87.5 14.22 164.46

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.623 (1.0)
cmyn3* 0.5 0.0 0.377 (0.0)
olvi4* 0.5 1.0 0.623 (1.0)
cmyn4* 0.5 0.0 0.377 (0.0)
standard and adapted CIELAB
LAB*LAB 74.1 -27.96 10.94
LAB*LABa 74.1 -27.39 7.62
LAB*TCRa 75.0 28.44 164.46

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.435 (1.0)
cmyn3* 0.75 0.0 0.565 (0.0)
olvi4* 0.25 1.0 0.435 (1.0)
cmyn4* 0.75 0.0 0.565 (0.0)
standard and adapted CIELAB
LAB*LAB 63.45 -41.46 14.03
LAB*LABa 63.45 -41.09 11.43
LAB*TCRa 62.5 42.66 164.46

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.246 (1.0)
cmyn3* 1.0 0.0 0.754 (0.0)
olvi4* 0.0 1.0 0.246 (1.0)
cmyn4* 1.0 0.0 0.754 (0.0)
standard and adapted CIELAB
LAB*LAB 52.8 -54.95 17.13
LAB*LABa 52.8 -54.79 15.24
LAB*TCRa 50.0 56.88 164.45

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.182 (1.0)
cmyn3* 1.0 0.25 0.815 (0.0)
olvi4* 0.0 0.75 0.182 (1.0)
cmyn4* 1.0 0.25 0.815 (0.0)
standard and adapted CIELAB
LAB*LAB 44.11 -41.09 12.73
LAB*LABa 44.11 -41.09 12.73
LAB*TCRa 37.51 42.66 164.45

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.123 (1.0)
cmyn3* 1.0 0.5 0.877 (0.0)
olvi4* 0.0 0.5 0.123 (1.0)
cmyn4* 1.0 0.5 0.877 (0.0)
standard and adapted CIELAB
LAB*LAB 35.41 -27.22 8.34
LAB*LABa 35.41 -27.39 7.63
LAB*TCRa 25.01 28.44 164.45

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.062 (1.0)
cmyn3* 1.0 0.25 0.938 (0.0)
olvi4* 0.0 0.25 0.062 (1.0)
cmyn4* 1.0 0.25 0.938 (0.0)
standard and adapted CIELAB
LAB*LAB 26.71 -13.35 3.94
LAB*LABa 26.71 -13.69 3.82
LAB*TCRa 12.5 14.22 164.44

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCRa 0.0 0.0 0.0

relative Inform. Technology

Eingabe: Farbmetrisches Reflexions-System ORS18

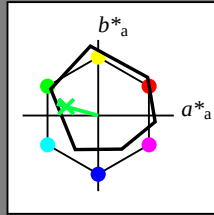
für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

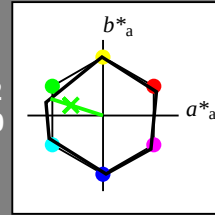
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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%Regularität

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%Regularität

Eingabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = \text{lab}^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

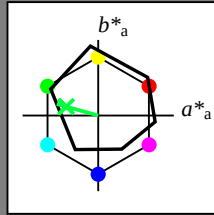
D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{\text{rel}} = 93$

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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

1,00

relative Inform. Technology (IT)	relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0	olvi3* 0.75 0.75 0.75
olvi4* 1.0 1.0 1.0	olvi4* 0.75 0.75 0.75
olvi5* 1.0 1.0 1.0	olvi5* 0.75 0.75 0.75
olvi6* 1.0 1.0 1.0	olvi6* 0.75 0.75 0.75
olvi7* 1.0 1.0 1.0	olvi7* 0.75 0.75 0.75
olvi8* 1.0 1.0 1.0	olvi8* 0.75 0.75 0.75
olvi9* 1.0 1.0 1.0	olvi9* 0.75 0.75 0.75
olvi10* 1.0 1.0 1.0	olvi10* 0.75 0.75 0.75
olvi11* 1.0 1.0 1.0	olvi11* 0.75 0.75 0.75
olvi12* 1.0 1.0 1.0	olvi12* 0.75 0.75 0.75
olvi13* 1.0 1.0 1.0	olvi13* 0.75 0.75 0.75
olvi14* 1.0 1.0 1.0	olvi14* 0.75 0.75 0.75
olvi15* 1.0 1.0 1.0	olvi15* 0.75 0.75 0.75
olvi16* 1.0 1.0 1.0	olvi16* 0.75 0.75 0.75
olvi17* 1.0 1.0 1.0	olvi17* 0.75 0.75 0.75
olvi18* 1.0 1.0 1.0	olvi18* 0.75 0.75 0.75
olvi19* 1.0 1.0 1.0	olvi19* 0.75 0.75 0.75
olvi20* 1.0 1.0 1.0	olvi20* 0.75 0.75 0.75
olvi21* 1.0 1.0 1.0	olvi21* 0.75 0.75 0.75
olvi22* 1.0 1.0 1.0	olvi22* 0.75 0.75 0.75
olvi23* 1.0 1.0 1.0	olvi23* 0.75 0.75 0.75
olvi24* 1.0 1.0 1.0	olvi24* 0.75 0.75 0.75
olvi25* 1.0 1.0 1.0	olvi25* 0.75 0.75 0.75
olvi26* 1.0 1.0 1.0	olvi26* 0.75 0.75 0.75
olvi27* 1.0 1.0 1.0	olvi27* 0.75 0.75 0.75
olvi28* 1.0 1.0 1.0	olvi28* 0.75 0.75 0.75
olvi29* 1.0 1.0 1.0	olvi29* 0.75 0.75 0.75
olvi30* 1.0 1.0 1.0	olvi30* 0.75 0.75 0.75
olvi31* 1.0 1.0 1.0	olvi31* 0.75 0.75 0.75
olvi32* 1.0 1.0 1.0	olvi32* 0.75 0.75 0.75
olvi33* 1.0 1.0 1.0	olvi33* 0.75 0.75 0.75
olvi34* 1.0 1.0 1.0	olvi34* 0.75 0.75 0.75
olvi35* 1.0 1.0 1.0	olvi35* 0.75 0.75 0.75
olvi36* 1.0 1.0 1.0	olvi36* 0.75 0.75 0.75
olvi37* 1.0 1.0 1.0	olvi37* 0.75 0.75 0.75
olvi38* 1.0 1.0 1.0	olvi38* 0.75 0.75 0.75
olvi39* 1.0 1.0 1.0	olvi39* 0.75 0.75 0.75
olvi40* 1.0 1.0 1.0	olvi40* 0.75 0.75 0.75
olvi41* 1.0 1.0 1.0	olvi41* 0.75 0.75 0.75
olvi42* 1.0 1.0 1.0	olvi42* 0.75 0.75 0.75
olvi43* 1.0 1.0 1.0	olvi43* 0.75 0.75 0.75
olvi44* 1.0 1.0 1.0	olvi44* 0.75 0.75 0.75
olvi45* 1.0 1.0 1.0	olvi45* 0.75 0.75 0.75
olvi46* 1.0 1.0 1.0	olvi46* 0.75 0.75 0.75
olvi47* 1.0 1.0 1.0	olvi47* 0.75 0.75 0.75
olvi48* 1.0 1.0 1.0	olvi48* 0.75 0.75 0.75
olvi49* 1.0 1.0 1.0	olvi49* 0.75 0.75 0.75
olvi50* 1.0 1.0 1.0	olvi50* 0.75 0.75 0.75
olvi51* 1.0 1.0 1.0	olvi51* 0.75 0.75 0.75
olvi52* 1.0 1.0 1.0	olvi52* 0.75 0.75 0.75
olvi53* 1.0 1.0 1.0	olvi53* 0.75 0.75 0.75
olvi54* 1.0 1.0 1.0	olvi54* 0.75 0.75 0.75
olvi55* 1.0 1.0 1.0	olvi55* 0.75 0.75 0.75
olvi56* 1.0 1.0 1.0	olvi56* 0.75 0.75 0.75
olvi57* 1.0 1.0 1.0	olvi57* 0.75 0.75 0.75
olvi58* 1.0 1.0 1.0	olvi58* 0.75 0.75 0.75
olvi59* 1.0 1.0 1.0	olvi59* 0.75 0.75 0.75
olvi60* 1.0 1.0 1.0	olvi60* 0.75 0.75 0.75
olvi61* 1.0 1.0 1.0	olvi61* 0.75 0.75 0.75
olvi62* 1.0 1.0 1.0	olvi62* 0.75 0.75 0.75
olvi63* 1.0 1.0 1.0	olvi63* 0.75 0.75 0.75
olvi64* 1.0 1.0 1.0	olvi64* 0.75 0.75 0.75
olvi65* 1.0 1.0 1.0	olvi65* 0.75 0.75 0.75
olvi66* 1.0 1.0 1.0	olvi66* 0.75 0.75 0.75
olvi67* 1.0 1.0 1.0	olvi67* 0.75 0.75 0.75
olvi68* 1.0 1.0 1.0	olvi68* 0.75 0.75 0.75
olvi69* 1.0 1.0 1.0	olvi69* 0.75 0.75 0.75
olvi70* 1.0 1.0 1.0	olvi70* 0.75 0.75 0.75
olvi71* 1.0 1.0 1.0	olvi71* 0.75 0.75 0.75
olvi72* 1.0 1.0 1.0	olvi72* 0.75 0.75 0.75
olvi73* 1.0 1.0 1.0	olvi73* 0.75 0.75 0.75
olvi74* 1.0 1.0 1.0	olvi74* 0.75 0.75 0.75
olvi75* 1.0 1.0 1.0	olvi75* 0.75 0.75 0.75
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olvi77* 1.0 1.0 1.0	olvi77* 0.75 0.75 0.75
olvi78* 1.0 1.0 1.0	olvi78* 0.75 0.75 0.75
olvi79* 1.0 1.0 1.0	olvi79* 0.75 0.75 0.75
olvi80* 1.0 1.0 1.0	olvi80* 0.75 0.75 0.75
olvi81* 1.0 1.0 1.0	olvi81* 0.75 0.75 0.75
olvi82* 1.0 1.0 1.0	olvi82* 0.75 0.75 0.75
olvi83* 1.0 1.0 1.0	olvi83* 0.75 0.75 0.75
olvi84* 1.0 1.0 1.0	olvi84* 0.75 0.75 0.75
olvi85* 1.0 1.0 1.0	olvi85* 0.75 0.75 0.75
olvi86* 1.0 1.0 1.0	olvi86* 0.75 0.75 0.75
olvi87* 1.0 1.0 1.0	olvi87* 0.75 0.75 0.75
olvi88* 1.0 1.0 1.0	olvi88* 0.75 0.75 0.75
olvi89* 1.0 1.0 1.0	olvi89* 0.75 0.75 0.75
olvi90* 1.0 1.0 1.0	olvi90* 0.75 0.75 0.75
olvi91* 1.0 1.0 1.0	olvi91* 0.75 0.75 0.75
olvi92* 1.0 1.0 1.0	olvi92* 0.75 0.75 0.75
olvi93* 1.0 1.0 1.0	olvi93* 0.75 0.75 0.75
olvi94* 1.0 1.0 1.0	olvi94* 0.75 0.75 0.75
olvi95* 1.0 1.0 1.0	olvi95* 0.75 0.75 0.75
olvi96* 1.0 1.0 1.0	olvi96* 0.75 0.75 0.75
olvi97* 1.0 1.0 1.0	olvi97* 0.75 0.75 0.75
olvi98* 1.0 1.0 1.0	olvi98* 0.75 0.75 0.75
olvi99* 1.0 1.0 1.0	olvi99* 0.75 0.75 0.75
olvi100* 1.0 1.0 1.0	olvi100* 0.75 0.75 0.75

relative Inform. Technology (IT)	relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75	olvi3* 0.521 0.75 0.5
olvi4* 0.75 0.75 0.75	olvi4* 0.521 0.75 0.5
olvi5* 0.75 0.75 0.75	olvi5* 0.521 0.75 0.5
olvi6* 0.75 0.75 0.75	olvi6* 0.521 0.75 0.5
olvi7* 0.75 0.75 0.75	olvi7* 0.521 0.75 0.5
olvi8* 0.75 0.75 0.75	olvi8* 0.521 0.75 0.5
olvi9* 0.75 0.75 0.75	olvi9* 0.521 0.75 0.5
olvi10* 0.75 0.75 0.75	olvi10* 0.521 0.75 0.5
olvi11* 0.75 0.75 0.75	olvi11* 0.521 0.75 0.5
olvi12* 0.75 0.75 0.75	olvi12* 0.521 0.75 0.5
olvi13* 0.75 0.75 0.75	olvi13* 0.521 0.75 0.5
olvi14* 0.75 0.75 0.75	olvi14* 0.521 0.75 0.5
olvi15* 0.75 0.75 0.75	olvi15* 0.521 0.75 0.5
olvi16* 0.75 0.75 0.75	olvi16* 0.521 0.75 0.5
olvi17* 0.75 0.75 0.75	olvi17* 0.521 0.75 0.5
olvi18* 0.75 0.75 0.75	olvi18* 0.521 0.75 0.5
olvi19* 0.75 0.75 0.75	olvi19* 0.521 0.75 0.5
olvi20* 0.75 0.75 0.75	olvi20* 0.521 0.75 0.5
olvi21* 0.75 0.75 0.75	olvi21* 0.521 0.75 0.5
olvi22* 0.75 0.75 0.75	olvi22* 0.521 0.75 0.5
olvi23* 0.75 0.75 0.75	olvi23* 0.521 0.75 0.5
olvi24* 0.75 0.75 0.75	olvi24* 0.521 0.75 0.5
olvi25* 0.75 0.75 0.75	olvi25* 0.521 0.75 0.5
olvi26* 0.75 0.75 0.75	olvi26* 0.521 0.75 0.5
olvi27* 0.75 0.75 0.75	olvi27* 0.521 0.75 0.5
olvi28* 0.75 0.75 0.75	olvi28* 0.521 0.75 0.5
olvi29* 0.75 0.75 0.75	olvi29* 0.521 0.75 0.5
olvi30* 0.75 0.75 0.75	olvi30* 0.521 0.75 0.5
olvi31* 0.75 0.75 0.75	olvi31* 0.521 0.75 0.5
olvi32* 0.75 0.75 0.75	olvi32* 0.521 0.75 0.5
olvi33* 0.75 0.75 0.75	olvi33* 0.521 0.75 0.5
olvi34* 0.75 0.75 0.75	olvi34* 0.521 0.75 0.5
olvi35* 0.75 0.75 0.75	olvi35* 0.521 0.75 0.5
olvi36* 0.75 0.75 0.75	olvi36* 0.521 0.75 0.5
olvi37* 0.75 0.75 0.75	olvi37* 0.521 0.75 0.5
olvi38* 0.75 0.75 0.75	olvi38* 0.521 0.75 0.5
olvi39* 0.75 0.75 0.75	olvi39* 0.521 0.75 0.5
olvi40* 0.75 0.75 0.75	olvi40* 0.521 0.75 0.5
olvi41* 0.75 0.75 0.75	olvi41* 0.521 0.75 0.5
olvi42* 0.75 0.75 0.75	olvi42* 0.521 0.75 0.5
olvi43* 0.75 0.75 0.75	olvi43* 0.521 0.75 0.5
olvi44* 0.75 0.75 0.75	olvi44* 0.521 0.75 0.5
olvi45* 0.75 0.75 0.75	olvi45* 0.521 0.75 0.5
olvi46* 0.75 0.75 0.75	olvi46* 0.521 0.75 0.5
olvi47* 0.75 0.75 0.75	olvi47* 0.521 0.75 0.5
olvi48* 0.75 0.75 0.75	olvi48* 0.521 0.75 0.5
olvi49* 0.75 0.75 0.75	olvi49* 0.521 0.75 0.5
olvi50* 0.75 0.75 0.75	olvi50* 0.521 0.75 0.5
olvi51* 0.75 0.75 0.75	olvi51* 0.521 0.75 0.5
olvi52* 0.75 0.75 0.75	olvi52* 0.521 0.75 0.5
olvi53* 0.75 0.75 0.75	olvi53* 0.521 0.75 0.5
olvi54* 0.75 0.75 0.75	olvi54* 0.521 0.75 0.5
olvi55* 0.75 0.75 0.75	olvi55* 0.521 0.75 0.5
olvi56* 0.75 0.75 0.75	olvi56* 0.521 0.75 0.5
olvi57* 0.75 0.75 0.75	olvi57* 0.521 0.75 0.5
olvi58* 0.75 0.75 0.75	olvi58* 0.521 0.75 0.5
olvi59* 0.75 0.75 0.75	olvi59* 0.521 0.75 0.5
olvi60* 0.75 0.75 0.75	olvi60* 0.521 0.75 0.5
olvi61* 0.75 0.75 0.75	olvi61* 0.521 0.75 0.5
olvi62* 0.75 0.75 0.75	olvi62* 0.521 0.75 0.5
olvi63* 0.75 0.75 0.75	olvi63* 0.521 0.75 0.5
olvi64* 0.75 0.75 0.75	olvi64* 0.521 0.75 0.5
olvi65* 0.75 0.75 0.75	olvi65* 0.521 0.75 0.5
olvi66* 0.75 0.75 0.75	olvi66* 0.521 0.75 0.5
olvi67* 0.75 0.75 0.75	olvi67* 0.521 0.75 0.5
olvi68* 0.75 0.75 0.75	olvi68* 0.521 0.75 0.5
olvi69* 0.75 0.75 0.75	olvi69* 0.521 0.75 0.5
olvi70* 0.75 0.75 0.75	olvi70* 0.521 0.75 0.5
olvi71* 0.75 0.75 0.75	olvi71* 0.521 0.75 0.5
olvi72* 0.75 0.75 0.75	olvi72* 0.521 0.75 0.5
olvi73* 0.75 0.75 0.75	olvi73* 0.521 0.75 0.5
olvi74* 0.75 0.75 0.75	olvi74* 0.521 0.75 0.5
olvi75* 0.75 0.75 0.75	olvi75* 0.521 0.75 0.5
olvi76* 0.75 0.75 0.75	olvi76* 0.521 0.75 0.5
olvi77* 0.75 0.75 0.75	olvi77* 0.521 0.75 0.5
olvi78* 0.75 0.75 0.75	olvi78* 0.521 0.75 0.5
olvi79* 0.75 0.75 0.75	olvi79* 0.521 0.75 0.5
olvi80* 0.75 0.75 0.75	olvi80* 0.521 0.75 0.5
olvi81* 0.75 0.75 0.75	olvi81* 0.521 0.75 0.5
olvi82* 0.75 0.75 0.75	olvi82* 0.521 0.75 0.5
olvi83* 0.75 0.75 0.75	olvi83* 0.521 0.75 0.5
olvi84* 0.75 0.75 0.75	olvi84* 0.521 0.75 0.5
olvi85* 0.75 0.75 0.75	olvi85* 0.521 0.75 0.5
olvi86* 0.75 0.75 0.75	olvi86* 0.521 0.75 0.5
olvi87* 0.75 0.75 0.75	olvi87* 0.521 0.75 0.5
olvi88* 0.75 0.75 0.75	olvi88* 0.521 0.75 0.5
olvi89* 0.75 0.75 0.75	olvi89* 0.521 0.75 0.5
olvi90* 0.75 0.75 0.75	olvi90* 0.521 0.75 0.5
olvi91* 0.75 0.75 0.75	olvi91* 0.521 0.75 0.5
olvi92* 0.75 0.75 0.75	olvi92* 0.521 0.75 0.5
olvi93* 0.75 0.75 0.75	olvi93* 0.521 0.75 0.5
olvi94* 0.75 0.75 0.75	olvi94* 0.521 0.75 0.5
olvi95* 0.75 0.75 0.75	olvi95* 0.521 0.75 0.5
olvi96* 0.75 0.75 0.75	olvi96* 0.521 0.75 0.5
olvi97* 0.75 0.75 0.75	olvi97* 0.521 0.75 0.5
olvi98* 0.75 0.75 0.75	olvi98* 0.521 0.75 0.5
olvi99* 0.75 0.75 0.75	olvi99* 0.521 0.75 0.5
olvi100* 0.75 0.75 0.75	olvi100* 0.521 0.75 0.5

relative Inform. Technology (IT)	relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5	olvi3* 0.271 0.5 0.25
olvi4* 0.5 0.5 0.5	olvi4* 0.271 0.5 0.25
olvi5* 0.5 0.5 0.5	olvi5* 0.271 0.5 0.25
olvi6* 0.5 0.5 0.5	olvi6* 0.271 0.5 0.25
olvi7* 0.5 0.5 0.5	olvi7* 0.271 0.5 0.25
olvi8* 0.5 0.5 0.5	olvi8* 0.271 0.5 0.25
olvi9* 0.5 0.5 0.5	olvi9* 0.271 0.5 0.25
olvi10* 0.5 0.5 0.5	olvi10* 0.271 0.5 0.25
olvi11* 0.5 0.5 0.5	olvi11* 0.271 0.5

Eingabe: Farbmetrisches Reflexions-System ORS18

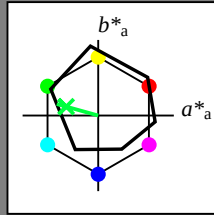
für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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Ausgabe: Farbmetrisches Reflexions-System NRS11

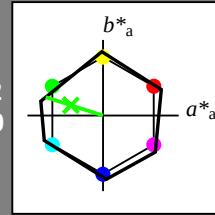
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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 $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

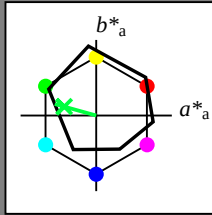
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 162/360 = 0.451$

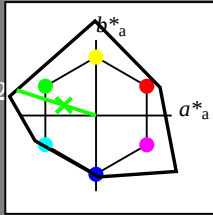
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Schwarzheit n^*

relative Buntheit c^*

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$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Schwarzheit n^*

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

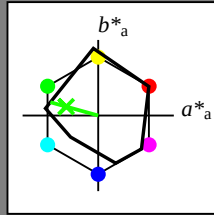
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

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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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

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Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

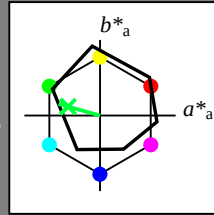
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

%Umfang

$u^*_{rel} = 93$

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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$g^*_{C,rel} = 59$

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$g^*_{H,rel} = 57$

%Umfang

$u^*_{rel} = 93$

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$g^*_{H,rel} = 57$

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$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$g^*_{H,rel} = 57$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

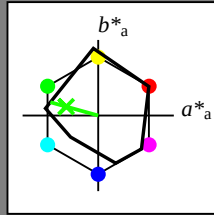
für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

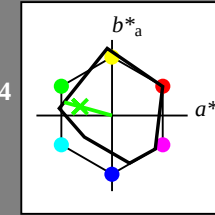
für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

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

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0
lab*ncc 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 0.0 0.0
LAB*LABa 76.06 0.0 0.0
LAB*TCRa 75.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*nce 0.25 0.0 0.0
lab*ncc 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 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCRa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0
lab*ncc 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 0.0 0.0
LAB*LABa 37.36 0.0 0.0
LAB*TCRa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0
lab*ncc 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0
lab*ncc 1.0 0.0 -

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

relative Inform. Technology (IT)
olvi3* 0.776 1.0 0.75 (1.0)
cmyn3* 0.224 0.0 0.25 (0.0)
olvi4* 0.776 1.0 0.75 (1.0)
cmyn4* 0.224 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 85.57 -16.58 8.49
LAB*LABa 85.57 -15.79 4.4
LAB*TCRa 87.5 16.4 164.45

relative CIELAB lab*
lab*lab 0.873 -0.24 0.067
lab*ch 0.873 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.873 -0.24 0.0
lab*nce 0.873 0.25 0.457
lab*ncc 0.0 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.526 0.75 0.5 (1.0)
cmyn3* 0.474 0.25 0.5 (0.0)
olvi4* 0.776 1.0 0.75 (1.0)
cmyn4* 0.224 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.22 16.22 7.19
LAB*LABa 66.22 -15.8 4.4
LAB*TCRa 62.5 16.41 164.46

relative CIELAB lab*
lab*lab 0.623 -0.24 0.067
lab*ch 0.623 0.25 0.457
lab*nch 0.25 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.623 -0.24 0.0
lab*nce 0.623 0.25 0.5
lab*ncc 0.25 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.276 0.5 0.25 (1.0)
cmyn3* 0.724 0.5 0.25 (0.0)
olvi4* 0.776 1.0 0.75 (1.0)
cmyn4* 0.224 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 46.87 -15.85 5.88
LAB*LABa 46.87 -15.8 4.4
LAB*TCRa 37.5 16.41 164.46

relative CIELAB lab*
lab*lab 0.373 -0.24 0.067
lab*ch 0.373 0.25 0.457
lab*nch 0.5 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.373 -0.24 0.0
lab*nce 0.373 0.25 0.5
lab*ncc 0.5 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.026 0.25 0.0 (1.0)
cmyn3* 0.974 0.75 1.0 (0.0)
olvi4* 0.776 1.0 0.75 (1.0)
cmyn4* 0.224 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 27.52 -15.48 4.57
LAB*LABa 27.52 -15.8 4.39
LAB*TCRa 12.5 16.4 164.49

relative CIELAB lab*
lab*lab 0.123 -0.24 0.067
lab*ch 0.123 0.25 0.457
lab*nch 0.75 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.123 -0.24 0.0
lab*nce 0.123 0.25 0.5
lab*ncc 0.75 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.551 1.0 0.5 (1.0)
cmyn3* 0.449 0.0 0.5 (0.0)
olvi4* 0.551 1.0 0.5 (1.0)
cmyn4* 0.449 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 75.74 -32.2 12.22
LAB*LABa 75.74 -31.6 8.79
LAB*TCRa 75.0 32.81 164.46

relative CIELAB lab*
lab*lab 0.746 -0.481 0.134
lab*ch 0.75 0.5 0.457
lab*nch 0.0 0.5 0.457
relative Natural Colour (NC)
lab*trj 0.746 -0.481 0.0
lab*nce 0.75 0.5 0.5
lab*ncc 0.0 0.5 0.998

relative Inform. Technology (IT)
olvi3* 0.301 0.75 0.25 (1.0)
cmyn3* 0.699 0.25 0.75 (0.0)
olvi4* 0.551 1.0 0.5 (1.0)
cmyn4* 0.449 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.39 -31.84 10.92
LAB*LABa 56.39 -31.61 8.79
LAB*TCRa 50.0 32.81 164.46

relative CIELAB lab*
lab*lab 0.496 -0.481 0.134
lab*ch 0.5 0.5 0.457
lab*nch 0.25 0.5 0.457
relative Natural Colour (NC)
lab*trj 0.496 -0.481 0.0
lab*nce 0.5 0.5 0.5
lab*ncc 0.25 0.5 0.998

relative Inform. Technology (IT)
olvi3* 0.051 0.5 0.0 (1.0)
cmyn3* 0.949 0.5 1.0 (0.0)
olvi4* 0.551 1.0 0.5 (1.0)
cmyn4* 0.449 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.04 -31.6 8.78
LAB*LABa 37.04 -31.6 8.78
LAB*TCRa 25.01 32.81 164.47

relative CIELAB lab*
lab*lab 0.246 -0.481 0.134
lab*ch 0.25 0.5 0.457
lab*nch 0.5 0.5 0.457
relative Natural Colour (NC)
lab*trj 0.246 -0.481 0.0
lab*nce 0.25 0.5 0.5
lab*ncc 0.5 0.5 0.998

relative Inform. Technology (IT)
olvi3* 0.327 1.0 0.25 (1.0)
cmyn3* 0.673 0.0 0.75 (0.0)
olvi4* 0.327 1.0 0.25 (1.0)
cmyn4* 0.673 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 65.9 -40.82 19.36
LAB*LABa 65.9 -47.41 13.19
LAB*TCRa 62.5 49.22 164.46

relative CIELAB lab*
lab*lab 0.619 -0.721 0.201
lab*ch 0.625 0.75 0.457
lab*nch 0.0 0.75 0.457
relative Natural Colour (NC)
lab*trj 0.619 -0.721 0.0
lab*nce 0.625 0.75 0.5
lab*ncc 0.0 0.75 0.998

relative Inform. Technology (IT)
olvi3* 0.077 0.75 0.0 (1.0)
cmyn3* 0.923 0.25 1.0 (0.0)
olvi4* 0.327 1.0 0.25 (1.0)
cmyn4* 0.673 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 46.25 -47.46 14.64
LAB*LABa 46.25 -47.41 13.18
LAB*TCRa 37.51 49.22 164.47

relative CIELAB lab*
lab*lab 0.369 -0.722 0.201
lab*ch 0.375 0.75 0.457
lab*nch 0.25 0.75 0.457
relative Natural Colour (NC)
lab*trj 0.369 -0.722 0.0
lab*nce 0.375 0.75 0.5
lab*ncc 0.25 0.75 0.998

relative Inform. Technology (IT)
olvi3* 0.103 1.0 0.0 (1.0)
cmyn3* 0.897 0.0 1.0 (0.0)
olvi4* 0.103 1.0 0.0 (1.0)
cmyn4* 0.897 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.07 -63.44 19.68
LAB*LABa 56.07 -63.21 17.58
LAB*TCRa 50.0 65.62 164.46

relative CIELAB lab*
lab*lab 0.492 -0.962 0.268
lab*ch 0.5 1.0 0.457
lab*nch 0.0 1.0 0.457
relative Natural Colour (NC)
lab*trj 0.492 -0.962 0.0
lab*nce 0.5 1.0 0.5
lab*ncc 0.0 1.0 0.998

relative Inform. Technology (IT)
olvi3* 0.077 0.75 0.0 (1.0)
cmyn3* 0.923 0.25 1.0 (0.0)
olvi4* 0.327 1.0 0.25 (1.0)
cmyn4* 0.673 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 46.25 -47.46 14.64
LAB*LABa 46.25 -47.41 13.18
LAB*TCRa 37.51 49.22 164.47

relative CIELAB lab*
lab*lab 0.369 -0.722 0.201
lab*ch 0.375 0.75 0.457
lab*nch 0.25 0.75 0.457
relative Natural Colour (NC)
lab*trj 0.369 -0.722 0.0
lab*nce 0.375 0.75 0.5
lab*ncc 0.25 0.75 0.998

relative Inform. Technology (IT)
olvi3* 0.077 0.75 0.0 (1.0)
cmyn3* 0.923 0.25 1.0 (0.0)
olvi4* 0.327 1.0 0.25 (1.0)
cmyn4* 0.673 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 46.25 -47.46 14.64
LAB*LABa 46.25 -47.41 13.18
LAB*TCRa 37.51 49.22 164.47

relative CIELAB lab*
lab*lab 0.369 -0.722 0.201
lab*ch 0.375 0.75 0.457
lab*nch 0.25 0.75 0.457
relative Natural Colour (NC)
lab*trj 0.369 -0.722 0.0
lab*nce 0.375 0.75 0.5
lab*ncc 0.25 0.75 0.998

relative Inform. Technology (IT)
olvi3* 0.077 0.75 0.0 (1.0)
cmyn3* 0.923 0.25 1.0 (0.0)
olvi4* 0.327 1.0 0.25 (1.0)
cmyn4* 0.673 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 46.25 -47.46 14.64
LAB*LABa 46.25 -47.41 13.18
LAB*TCRa 37.51 49.22 164.47

relative CIELAB lab*
lab*lab 0.369 -0.722 0.201
lab*ch 0.375 0.75 0.457
lab*nch 0.25 0.75 0.457
relative Natural Colour (NC)
lab*trj 0.369 -0.722 0.0
lab*nce 0.375 0.75 0.5
lab*ncc 0.25 0.75 0.998

relative Inform. Technology (IT)
olvi3* 0.077 0.75 0.0 (1.0)
cmyn3* 0.923 0.25 1.0 (0.0)
olvi4* 0.327 1.0 0.25 (1.0)
cmyn4* 0.673 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 46.25 -47.46 14.64
LAB*LABa 46.25 -47.41 13.18
LAB*TCRa 37.51 49.22 164.47

relative CIELAB lab*
lab*lab 0.369 -0.722 0.201
lab*ch 0.375 0.75 0.457
lab*nch 0.25 0.75 0.457
relative Natural Colour (NC)
lab*trj 0.369 -0.722 0.0
lab*nce 0.375 0.75 0.5
lab*ncc 0.25 0.75 0.998

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

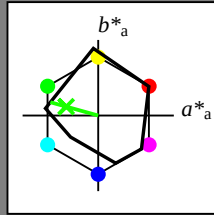
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

1,00

↑

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

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

↓

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

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0,75

0,50

0,25

0,00

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0,75

0,50

0,25

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0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

Schwarzheit n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

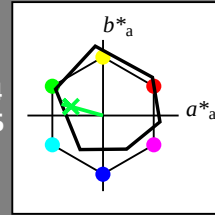
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0
LAB*LABd 95.41 0.0 0.0
LAB*LABe 95.41 0.0 0.0
LAB*LABf 95.41 0.0 0.0
LAB*LABg 95.41 0.0 0.0
LAB*LABh 95.41 0.0 0.0
LAB*LABi 95.41 0.0 0.0
LAB*LABj 95.41 0.0 0.0
LAB*LABk 95.41 0.0 0.0
LAB*LABl 95.41 0.0 0.0
LAB*LABm 95.41 0.0 0.0
LAB*LABn 95.41 0.0 0.0
LAB*LABo 95.41 0.0 0.0
LAB*LABp 95.41 0.0 0.0
LAB*LABq 95.41 0.0 0.0
LAB*LABr 95.41 0.0 0.0
LAB*LABs 95.41 0.0 0.0
LAB*LABt 95.41 0.0 0.0
LAB*LABu 95.41 0.0 0.0
LAB*LABv 95.41 0.0 0.0
LAB*LABw 95.41 0.0 0.0
LAB*LABx 95.41 0.0 0.0
LAB*LABy 95.41 0.0 0.0
LAB*LABz 95.41 0.0 0.0
LAB*LABaa 95.41 0.0 0.0
LAB*LABab 95.41 0.0 0.0
LAB*LABac 95.41 0.0 0.0
LAB*LABad 95.41 0.0 0.0
LAB*LABae 95.41 0.0 0.0
LAB*LABaf 95.41 0.0 0.0
LAB*LABag 95.41 0.0 0.0
LAB*LABah 95.41 0.0 0.0
LAB*LABai 95.41 0.0 0.0
LAB*LABaj 95.41 0.0 0.0
LAB*LABak 95.41 0.0 0.0
LAB*LABal 95.41 0.0 0.0
LAB*LABam 95.41 0.0 0.0
LAB*LABan 95.41 0.0 0.0
LAB*LABao 95.41 0.0 0.0
LAB*LABap 95.41 0.0 0.0
LAB*LABaq 95.41 0.0 0.0
LAB*LABar 95.41 0.0 0.0
LAB*LABas 95.41 0.0 0.0
LAB*LABat 95.41 0.0 0.0
LAB*LABau 95.41 0.0 0.0
LAB*LABav 95.41 0.0 0.0
LAB*LABaw 95.41 0.0 0.0
LAB*LABax 95.41 0.0 0.0
LAB*LABay 95.41 0.0 0.0
LAB*LABaz 95.41 0.0 0.0
LAB*LABba 95.41 0.0 0.0
LAB*LABbb 95.41 0.0 0.0
LAB*LABbc 95.41 0.0 0.0
LAB*LABbd 95.41 0.0 0.0
LAB*LABbe 95.41 0.0 0.0
LAB*LABbf 95.41 0.0 0.0
LAB*LABbg 95.41 0.0 0.0
LAB*LABbh 95.41 0.0 0.0
LAB*LABbi 95.41 0.0 0.0
LAB*LABbj 95.41 0.0 0.0
LAB*LABbk 95.41 0.0 0.0
LAB*LABbl 95.41 0.0 0.0
LAB*LABbm 95.41 0.0 0.0
LAB*LABbn 95.41 0.0 0.0
LAB*LABbo 95.41 0.0 0.0
LAB*LABbp 95.41 0.0 0.0
LAB*LABbq 95.41 0.0 0.0
LAB*LABbr 95.41 0.0 0.0
LAB*LABbs 95.41 0.0 0.0
LAB*LABbt 95.41 0.0 0.0
LAB*LABbu 95.41 0.0 0.0
LAB*LABbv 95.41 0.0 0.0
LAB*LABbw 95.41 0.0 0.0
LAB*LABbx 95.41 0.0 0.0
LAB*LABby 95.41 0.0 0.0
LAB*LABbz 95.41 0.0 0.0
LAB*LABca 95.41 0.0 0.0
LAB*LABcb 95.41 0.0 0.0
LAB*LABcc 95.41 0.0 0.0
LAB*LABcd 95.41 0.0 0.0
LAB*LABce 95.41 0.0 0.0
LAB*LABcf 95.41 0.0 0.0
LAB*LABcg 95.41 0.0 0.0
LAB*LABch 95.41 0.0 0.0
LAB*LABci 95.41 0.0 0.0
LAB*LABcj 95.41 0.0 0.0
LAB*LABck 95.41 0.0 0.0
LAB*LABcl 95.41 0.0 0.0
LAB*LABcm 95.41 0.0 0.0
LAB*LABcn 95.41 0.0 0.0
LAB*LABco 95.41 0.0 0.0
LAB*LABcp 95.41 0.0 0.0
LAB*LABcq 95.41 0.0 0.0
LAB*LABcr 95.41 0.0 0.0
LAB*LABcs 95.41 0.0 0.0
LAB*LABct 95.41 0.0 0.0
LAB*LABcu 95.41 0.0 0.0
LAB*LABcv 95.41 0.0 0.0
LAB*LABcw 95.41 0.0 0.0
LAB*LABcx 95.41 0.0 0.0
LAB*LABcy 95.41 0.0 0.0
LAB*LABcz 95.41 0.0 0.0
LAB*LABda 95.41 0.0 0.0
LAB*LABdb 95.41 0.0 0.0
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LAB*LABea 95.41 0.0 0.0
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LAB*LABev 95.41 0.0 0.0
LAB*LABew 95.41 0.0 0.0
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LAB*LABfa 95.41 0.0 0.0
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LAB*LABgv 95.41 0.0 0.0
LAB*LABgw 95.41 0.0 0.0
LAB*LABgx 95.41 0.0 0.0
LAB*LABgy 95.41 0.0 0.0
LAB*LABgz 95.41 0.0 0.0
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LAB*LABhx 95.41 0.0 0.0
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LAB*LABid 95.41 0.0 0.0
LAB*LABie 95.41 0.0 0.0
LAB*LABif 95.41 0.0 0.0
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LAB*LABih 95.41 0.0 0.0
LAB*LABii 95.41 0.0 0.0
LAB*LABij 95.41 0.0 0.0
LAB*LABik 95.41 0.0 0.0
LAB*LAB

Eingabe: Farbmetrisches Reflexions-System MRS18

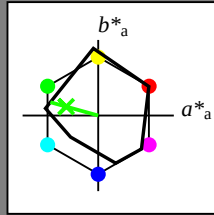
für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

1,00

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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

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

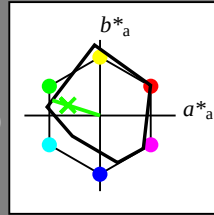
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 92$

1,00

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MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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
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

↑

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 $n^* = 1,0$

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relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

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%Regularität

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Eingabe: Farbmetrisches Reflexions-System MRS18

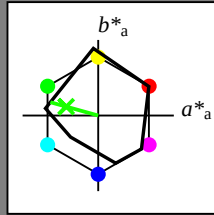
für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 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

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS18

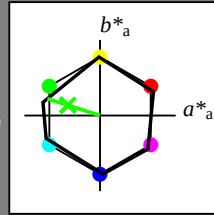
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -
relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 -
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*nce 0.0 0.0 -
relative CIELAB lab*
lab*lab 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 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.01 -
relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*nce 0.25 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 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.01 -
relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*nce 0.25 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 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.01 -
relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*nce 0.5 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 37.37 0.01 0.01
LAB*LABa 37.37 0.01 0.01
LAB*LABb 25.01 -
relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 -
lab*nch 0.75 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*nce 0.25 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.02
LAB*LABa 18.02 0.02 0.02
LAB*LABb 0.01 -
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 0.0 0.0 -

 $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.77 1.0 0.75 (1.0)
cmyn3* 0.23 0.0 0.25 (0.0)
olvi4* 0.77 1.0 0.75 (1.0)
cmyn4* 0.23 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 85.73 17.34 5.56
LAB*LABa 85.73 -17.36 5.56
LAB*LABb 87.5 16.24 162.26
relative CIELAB lab*
lab*lab 0.875 -0.237 0.076
lab*ch 0.875 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.875 -0.237 0.076
lab*nce 0.0 0.25 0.451

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 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.01 -
relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 -
lab*nch 0.25 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olvi3* 0.52 0.75 0.5 (1.0)
cmyn3* 0.48 0.25 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.23 0.0 0.25 0.25
standard and adapted CIELAB
LAB*LAB 66.38 17.32 5.57
LAB*LABa 66.38 -17.37 5.56
LAB*LABb 62.5 16.24 162.27
relative CIELAB lab*
lab*lab 0.625 -0.237 0.076
lab*ch 0.625 0.25 0.451
lab*nch 0.25 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.625 -0.237 0.076
lab*nce 0.25 0.25 0.451

relative Inform. Technology (IT)
olvi3* 0.29 0.75 0.25 (1.0)
cmyn3* 0.71 0.25 0.75 (0.0)
olvi4* 0.54 1.0 0.5 0.75
cmyn4* 0.46 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 56.7 -34.69 11.13
LAB*LABa 56.7 -34.74 11.11
LAB*LABb 50.0 36.49 162.27
relative CIELAB lab*
lab*lab 0.5 -0.475 0.152
lab*ch 0.5 0.25 0.451
lab*nch 0.25 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.5 -0.475 0.152
lab*nce 0.25 0.5 0.451

relative Inform. Technology (IT)
olvi3* 0.27 0.5 0.25 (1.0)
cmyn3* 0.73 0.5 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.23 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 47.03 17.37 5.57
LAB*LABa 47.03 -17.37 5.56
LAB*LABb 37.5 16.24 162.27
relative CIELAB lab*
lab*lab 0.375 -0.237 0.076
lab*ch 0.375 0.25 0.451
lab*nch 0.5 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.375 -0.237 0.076
lab*nce 0.5 0.25 0.451

relative Inform. Technology (IT)
olvi3* 0.02 0.25 0.0 (1.0)
cmyn3* 0.98 0.75 1.0 (0.0)
olvi4* 0.77 1.0 0.75 0.25
cmyn4* 0.23 0.0 0.25 0.75
standard and adapted CIELAB
LAB*LAB 27.69 17.28 5.58
LAB*LABa 27.69 17.37 5.55
LAB*LABb 12.5 16.24 162.29
relative CIELAB lab*
lab*lab 0.125 -0.237 0.076
lab*ch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.125 -0.237 0.076
lab*nce 0.125 0.25 0.451

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.02
LAB*LABa 18.02 0.02 0.02
LAB*LABb 0.01 -
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.04 0.5 0.0 (1.0)
cmyn3* 0.96 0.5 1.0 (0.0)
olvi4* 0.54 1.0 0.5 0.75
cmyn4* 0.46 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 37.36 -34.74 11.11
LAB*LABa 37.36 -34.74 11.11
LAB*LABb 25.01 36.49 162.28
relative CIELAB lab*
lab*lab 0.25 -0.475 0.152
lab*ch 0.25 0.25 0.451
lab*nch 0.5 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.25 -0.475 0.152
lab*nce 0.25 0.5 0.451

relative Inform. Technology (IT)
olvi3* 0.02 0.25 0.0 (1.0)
cmyn3* 0.98 0.75 1.0 (0.0)
olvi4* 0.77 1.0 0.75 0.25
cmyn4* 0.23 0.0 0.25 0.75
standard and adapted CIELAB
LAB*LAB 27.69 17.28 5.58
LAB*LABa 27.69 17.37 5.55
LAB*LABb 12.5 16.24 162.29
relative CIELAB lab*
lab*lab 0.125 -0.237 0.076
lab*ch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.125 -0.237 0.076
lab*nce 0.125 0.25 0.451

 $n^* = 0,50$ relative Buntheit c^* $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$ relative Buntheit c^* $n^* = 1,0$

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

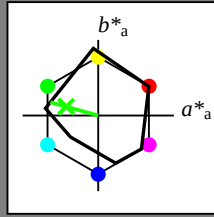
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

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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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

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Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 162/360 = 0.451$

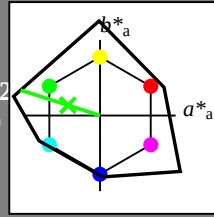
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmimetrisches Reflexions-System MRS18

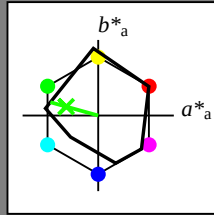
für Buntton $h^* = \text{lab}^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

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Ausgabe: Farbmimetrisches Reflexions-System NRS11

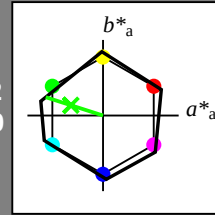
für Buntton $h^* = \text{lab}^*h = 162/360 = 0.451$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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 $n^* = 1$

Eingabe: Farbmetrisches Reflexions-System MRS18

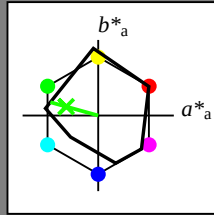
für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

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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

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

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Ausgabe: Farbmetrisches Reflexions-System NCS11

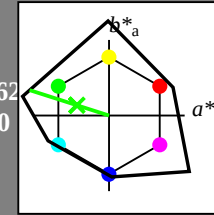
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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 $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmimetrisches Reflexions-System TRS18

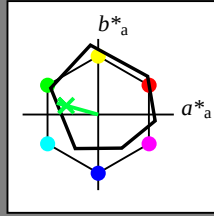
für Buntton $h^* = lab \cdot h = 164/360 = 0.457$ $lab \cdot tch$ und $lab \cdot nch$

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



TRS18; 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

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

Ausgabe: Farbmimetrisches Reflexions-System ORS18

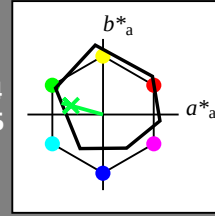
für Buntton $h^* = lab \cdot h = 164/360 = 0.457$ $lab \cdot tch$ und $lab \cdot nch$

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

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

Eingabe: Farbmimetrisches Reflexions-System TRS18

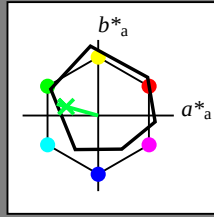
für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

TRS18; 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

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18

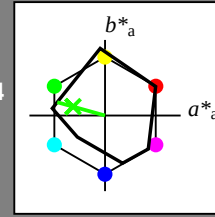
für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit



%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
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
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

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

Eingabe: Farbmimetrisches Reflexions-System TRS18

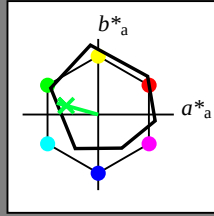
für Buntton $h^* = \text{lab}^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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Ausgabe: Farbmimetrisches Reflexions-System TRS18

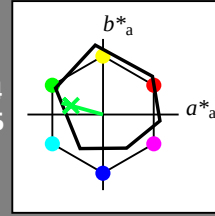
für Buntton $h^* = \text{lab}^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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TRS18; 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

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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 $n^* = 0,25$

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 $n^* = 1,0$

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relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

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 0.0 0.0
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.01 -

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 65.41 0.0 0.0
LAB*LABa 65.41 0.0 0.0
LAB*LABb 65.41 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (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 56.71 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*LABb 56.71 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 46.06 0.0 0.0
LAB*LABa 46.06 0.0 0.0
LAB*LABb 46.06 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 37.36 0.0 0.0
LAB*LABa 37.36 0.0 0.0
LAB*LABb 37.36 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 25.0 0.0 0.0
LAB*LABa 25.0 0.0 0.0
LAB*LABb 25.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 18.02 0.0 0.0
LAB*LABa 18.

Eingabe: Farbmimetrisches Reflexions-System TRS18

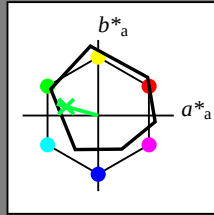
für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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TRS18; 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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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Ausgabe: Farbmimetrisches Reflexions-System MRS18a

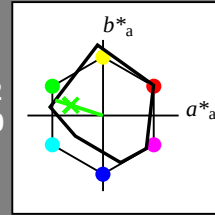
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 92$

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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

 $g^*_{H,rel} = 42$ $g^*_{C,rel} = 49$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Reflexions-System TRS18

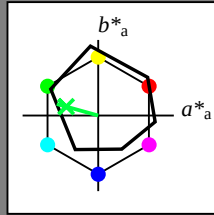
für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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TRS18; 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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

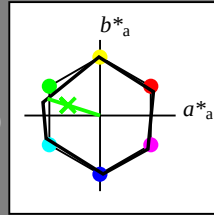
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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relative Buntheit c^* relative Buntheit c^*

Eingabe: Farbmimetrisches Reflexions-System TRS18

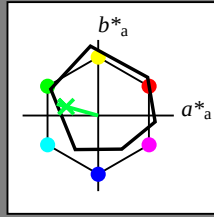
für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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TRS18; 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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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Ausgabe: Farbmimetrisches Reflexions-System NCS18

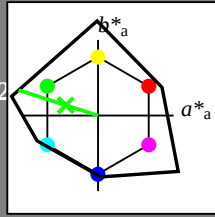
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmimetrisches Reflexions-System TRS18

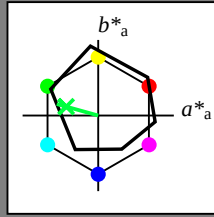
für Buntton $h^* = \text{lab}^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 93$

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TRS18; 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

%Regelartit

 $g^*_{H,\text{rel}} = 57$ $g^*_{C,\text{rel}} = 59$

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Ausgabe: Farbmimetrisches Reflexions-System NRS11

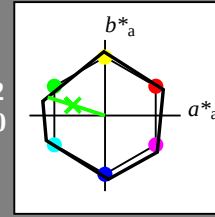
für Buntton $h^* = \text{lab}^*h = 162/360 = 0.451$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
CMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regelartit

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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%Regelartit

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

%Regelartit

 $g^*_{H,\text{rel}} = 47$ $n^* = 1,0$

Eingabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

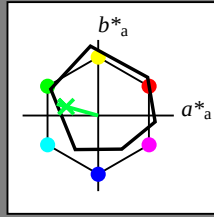
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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TRS18; 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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 162/360 = 0.451$

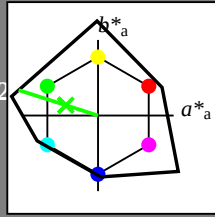
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

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Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 162/360 = 0.451$

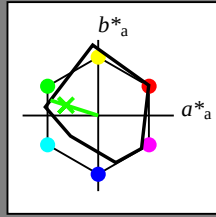
lab^*tch und lab^*nch

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
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^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $162/360 = 0.451$ (links)

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

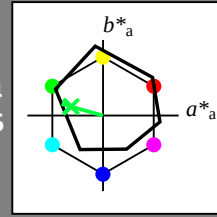
lab^*tch und lab^*nch

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
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^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton $164/360 = 0.457$ (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 162/360 = 0.451$

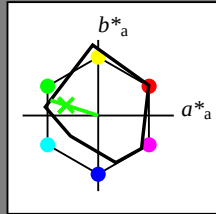
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

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MRS18a; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	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
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

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

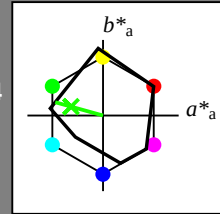
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

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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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

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%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

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Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 162/360 = 0.451$

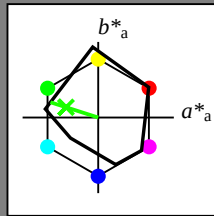
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

1,00

↑

0,75

0,50

0,25

0,00

↓

0,75

0,50

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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

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

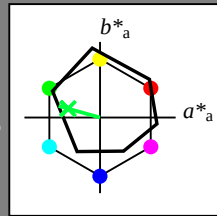
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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TRS18; 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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

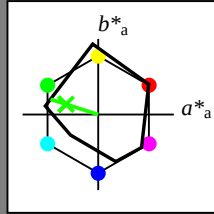
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
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^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18a

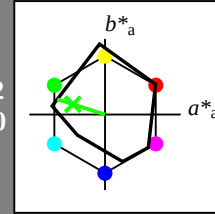
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
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^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 162/360 = 0.451$

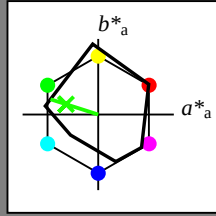
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

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MRS18a; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	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
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

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Ausgabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 162/360 = 0.451$

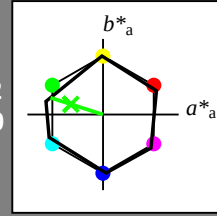
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

1,00

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NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

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$n^* = 1,0$

0,25

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0,75

1,00

relative Buntheit c^*

Schwarzheit n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

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Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 162/360 = 0.451$

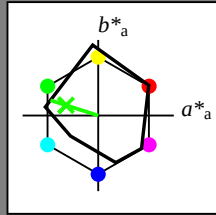
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

1,00

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MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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
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

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

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Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 162/360 = 0.451$

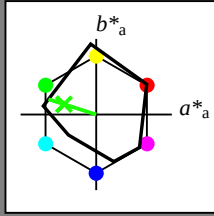
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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
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

0,25

0,00

relative Buntheit c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Schwarzheit n^*

Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 162/360 = 0.451$

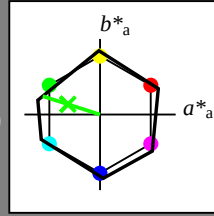
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

0,00

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 162/360 = 0.451$

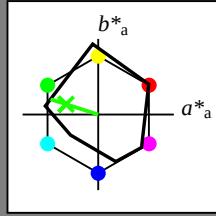
lab^*tch und lab^*nch

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
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^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 162/360 = 0.451$

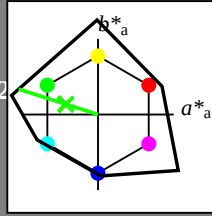
lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 162/360 = 0.451$

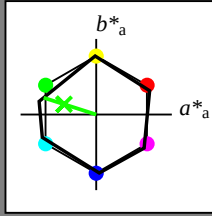
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

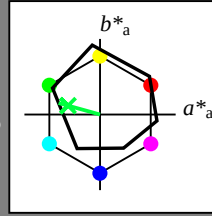
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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$n^* = 1,0$

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$n^* = 0,25$

$n^* = 0,00$

Schwarzheit n^*

relative Buntheit c^*

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$n^* = 1,0$

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Schwarzheit n^*

relative Buntheit c^*

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

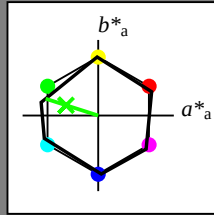
für Buntton $h^* = \text{lab}^*h = 162/360 = 0.451$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmetrisches Reflexions-System MRS18

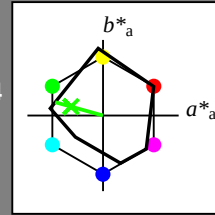
für Buntton $h^* = \text{lab}^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 91$

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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

 $g^*_{H,\text{rel}} = 41$ $g^*_{C,\text{rel}} = 52$

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$

1,00

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1,00

 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$

1,00

1,00

1,00

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1,00

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 162/360 = 0.451$

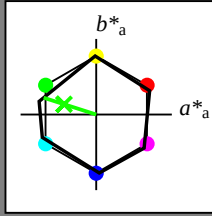
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

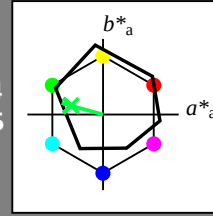
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

TRS18; 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

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 162/360 = 0.451$

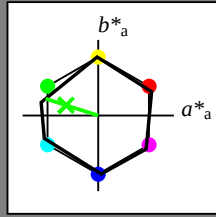
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 162/360 = 0.451$

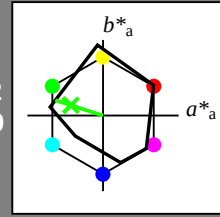
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

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MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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
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

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NRS18

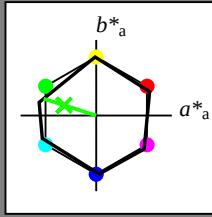
für Buntton $h^* = \text{lab}^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmimetrisches Reflexions-System NRS18

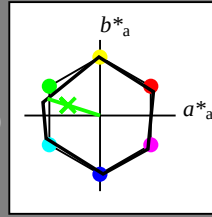
für Buntton $h^* = \text{lab}^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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 $n^* = 1,0$

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relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $162/360 = 0.451$ (links)5 stufige Reihen für konstanten CIELAB Buntton $162/360 = 0.451$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 162/360 = 0.451$

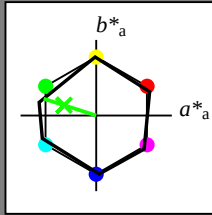
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 162/360 = 0.451$

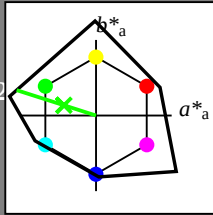
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = \text{lab}^*h = 162/360 = 0.451$ lab^*tch und lab^*nch

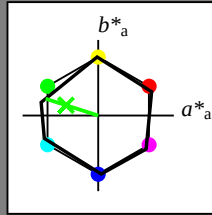
D65: Buntton G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{\text{rel}} = 100$

NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
R _{Ma}	56.7	70.66	31.47	77.35	24	
J _{Ma}	56.7	-1.39	77.37	77.39	91	
G _{Ma}	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

relative Inform. Technology (IT)						
olvi3*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB						
LAB*LAB	95.41	0.0	-0.01	-	-	-
LAB*LABa	95.41	0.0	0.0	-	-	-
LAB*TCHa	99.99	0.01	-	-	-	-
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*trj	1.0	0.0	0.0	-	-	-
lab*tce	0.0	0.0	-	-	-	-
lab*nce	0.0	0.0	-	-	-	-

relative Inform. Technology (IT)						
olvi3*	0.75	0.75	0.75	1.0	1.0	1.0
cmyn3*	0.25	0.25	0.25	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25	0.25	0.25
standard and adapted CIELAB						
LAB*LAB	74.31	0.0	0.0	-	-	-
LAB*LABa	74.31	0.0	0.0	-	-	-
LAB*TCHa	75.0	0.01	-	-	-	-
relative CIELAB lab*						
lab*lab	0.75	0.0	0.0	-	-	-
lab*tch	0.75	0.0	-	-	-	-
lab*nch	0.25	0.0	-	-	-	-
relative Natural Colour (NC)						
lab*trj	0.75	0.0	0.0	-	-	-
lab*tce	0.25	0.0	-	-	-	-
lab*nce	0.25	0.0	-	-	-	-

relative Inform. Technology (IT)						
olvi3*	0.5	0.5	0.5	1.0	1.0	1.0
cmyn3*	0.5	0.5	0.5	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5	0.5	0.5
standard and adapted CIELAB						
LAB*LAB	53.21	0.0	0.0	-	-	-
LAB*LABa	53.21	0.0	0.0	-	-	-
LAB*TCHa	50.0	0.01	-	-	-	-
relative CIELAB lab*						
lab*lab	0.5	0.0	0.0	-	-	-
lab*tch	0.5	0.0	-	-	-	-
lab*nch	0.5	0.0	-	-	-	-
relative Natural Colour (NC)						
lab*trj	0.5	0.0	0.0	-	-	-
lab*tce	0.5	0.0	-	-	-	-
lab*nce	0.5	0.0	-	-	-	-

relative Inform. Technology (IT)						
olvi3*	0.25	0.25	0.25	1.0	1.0	1.0
cmyn3*	0.75	0.75	0.75	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75	0.75	0.75
standard and adapted CIELAB						
LAB*LAB	32.11	0.05	0.01	-	-	-
LAB*LABa	32.11	0.0	0.0	-	-	-
LAB*TCHa	25.0	0.01	-	-	-	-
relative CIELAB lab*						
lab*lab	0.25	0.0	0.0	-	-	-
lab*tch	0.25	0.0	-	-	-	-
lab*nch	0.75	0.0	-	-	-	-
relative Natural Colour (NC)						
lab*trj	0.25	0.0	0.0	-	-	-
lab*tce	0.25	0.0	-	-	-	-
lab*nce	0.75	0.0	-	-	-	-

relative Inform. Technology (IT)						
olvi3*	0.0	0.0	0.0	1.0	1.0	1.0
cmyn3*	1.0	1.0	1.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0	1.0	1.0
standard and adapted CIELAB						
LAB*LAB	11.01	0.07	0.01	-	-	-
LAB*LABa	11.01	0.0	0.0	-	-	-
LAB*TCHa	0.01	0.01	-	-	-	-
relative CIELAB lab*						
lab*lab	0.0	0.0	0.0	-	-	-
lab*tch	0.0	0.0	-	-	-	-
lab*nch	1.0	0.0	-	-	-	-
relative Natural Colour (NC)						
lab*trj	0.0	0.0	0.0	-	-	-
lab*tce	0.0	0.0	-	-	-	-
lab*nce	1.0	0.0	-	-	-	-

 $n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = \text{lab}^*h = 162/360 = 0.451$ lab^*tch und lab^*nch

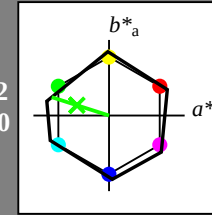
D65: Buntton G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{\text{rel}} = 119$

NRS11; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
R _{Ma}	53.2	77.06	34.32	84.36	24	
J _{Ma}	53.2	-1.51	84.38	84.39	91	
G _{Ma}	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	4.37	-84.28	84.41	273	
B50R _{Ma}	53.2	69.09	-48.41	84.37	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

0,75

relative Inform. Technology (IT)						
olvi3*	0.75	0.75	0.75	1.0	1.0	1.0
cmyn3*	0.25	0.25	0.25	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.25	0.25	0.25
standard and adapted CIELAB						
LAB*LAB	74.31	0.0	0.0	-	-	-
LAB*LABa	74.31	0.0	0.0	-	-	-
LAB*TCHa	75.0	0.01	-	-	-	-
relative CIELAB lab*						
lab*lab	0.75	0.0	0.0	-	-	-
lab*tch	0.75	0.0	-	-	-	-
lab*nch	0.25	0.0	-	-	-	-
relative Natural Colour (NC)						
lab*trj	0.75	0.0	0.0	-	-	-
lab*tce	0.25	0.0	-	-	-	-
lab*nce	0.25	0.0	-	-	-	-

relative Inform. Technology (IT)						
olvi3*	0.5	0.5	0.5	1.0	1.0	1.0
cmyn3*	0.5	0.5	0.5	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.5	0.5	0.5
standard and adapted CIELAB						
LAB*LAB	53.21	0.0	0.0	-	-	-
LAB*LABa	53.21	0.0	0.0	-	-	-
LAB*TCHa	50.0	0.01	-	-	-	-
relative CIELAB lab*						
lab*lab	0.5	0.0	0.0	-	-	-
lab*tch	0.5	0.0	-	-	-	-
lab*nch	0.5	0.0	-	-	-	-
relative Natural Colour (NC)						
lab*trj	0.5	0.0	0.0	-	-	-
lab*tce	0.5	0.0	-	-	-	-
lab*nce	0.5	0.0	-	-	-	-

relative Inform. Technology (IT)						
olvi3*	0.25	0.25	0.25	1.0	1.0	1.0
cmyn3*	0.75	0.75	0.75	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.75	0.75	0.75
standard and adapted CIELAB						
LAB*LAB	32.11	0.05	0.01	-	-	-
LAB*LABa	32.11	0.0	0.0	-	-	-
LAB*TCHa	25.0	0.01	-	-	-	-
relative CIELAB lab*						
lab*lab	0.25	0.0	0.0	-	-	-
lab*tch	0.25	0.0	-	-	-	-
lab*nch	0.75	0.0	-	-	-	-
relative Natural Colour (NC)						
lab*trj	0.25	0.0	0.0	-	-	-
lab*tce	0.25	0.0	-	-	-	-
lab*nce	0.75	0.0	-	-	-	-

relative Inform. Technology (IT)						
olvi3*	0.0	0.0	0.0	1.0	1.0	1.0
cmyn3*	1.0	1.0	1.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0	1.0	1.0
standard and adapted CIELAB						
LAB*LAB	11.01	0.07	0.01	-	-	-
LAB*LABa	11.01	0.0	0.0	-	-	-
LAB*TCHa	0.01	0.01	-	-	-	-
relative CIELAB lab*						
lab*lab	0.0	0.0	0.0	-	-	-
lab*tch	0.0	0.0	-	-	-	-
lab*nch	1.0	0.0	-	-	-	-
relative Natural Colour (NC)						
lab*trj	0.0	0.0	0.0	-	-	-
lab*tce	0.0	0.0	-	-	-	-
lab*nce	1.0	0.0	-	-	-	-

Eingabe: Farbmetrisches Reflexions-System NRS18

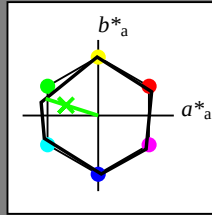
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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Ausgabe: Farbmetrisches Reflexions-System NCS11

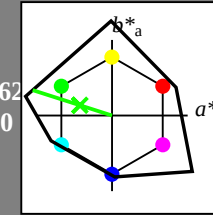
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

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%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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%Regularität

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%Regularität

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Eingabe: Farbmetrisches Reflexions-System NCS18

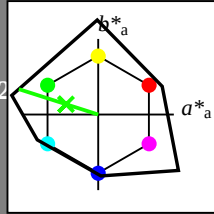
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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Ausgabe: Farbmetrisches Reflexions-System ORS18

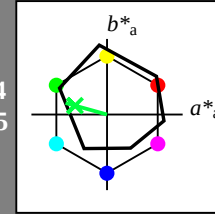
für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCRa 99.99 0.01 -

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 0.0 0.0
LAB*LABa 76.06 0.0 0.0
LAB*TCRa 75.01 -

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 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCRa 50.01 -

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 0.0 0.0
LAB*LABa 37.36 0.0 0.0
LAB*TCRa 25.01 -

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.812 (1.0)
cmyn3* 0.25 0.0 0.188 (0.0)
olvi4* 0.75 1.0 0.812 (1.0)
cmyn4* 0.25 0.0 0.188 (0.0)
standard and adapted CIELAB
LAB*LAB 84.75 -14.46 7.83
LAB*LABa 84.75 -13.69 3.81
LAB*TCRa 87.5 14.22 164.46

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.623 (1.0)
cmyn3* 0.5 0.0 0.377 (0.0)
olvi4* 0.5 1.0 0.623 (1.0)
cmyn4* 0.5 0.0 0.377 (0.0)
standard and adapted CIELAB
LAB*LAB 74.1 -27.96 10.94
LAB*LABa 74.1 -27.39 7.62
LAB*TCRa 75.0 28.44 164.46

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.435 (1.0)
cmyn3* 0.75 0.0 0.565 (0.0)
olvi4* 0.25 1.0 0.435 (1.0)
cmyn4* 0.75 0.0 0.565 (0.0)
standard and adapted CIELAB
LAB*LAB 63.45 -41.46 14.03
LAB*LABa 63.45 -41.09 11.43
LAB*TCRa 62.5 42.66 164.46

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.246 (1.0)
cmyn3* 1.0 0.0 0.754 (0.0)
olvi4* 0.0 1.0 0.246 (1.0)
cmyn4* 1.0 0.0 0.754 (0.0)
standard and adapted CIELAB
LAB*LAB 52.8 -54.95 17.13
LAB*LABa 52.8 -54.79 15.24
LAB*TCRa 50.0 56.88 164.45

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.182 (1.0)
cmyn3* 1.0 0.25 0.815 (0.0)
olvi4* 0.0 0.75 0.182 (1.0)
cmyn4* 1.0 0.25 0.815 (0.0)
standard and adapted CIELAB
LAB*LAB 44.11 -41.09 12.73
LAB*LABa 44.11 -41.09 12.73
LAB*TCRa 44.11 42.66 164.45

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.123 (1.0)
cmyn3* 1.0 0.5 0.877 (0.0)
olvi4* 0.0 0.5 0.123 (1.0)
cmyn4* 1.0 0.5 0.877 (0.0)
standard and adapted CIELAB
LAB*LAB 35.41 -27.22 8.34
LAB*LABa 35.41 -27.39 7.63
LAB*TCRa 35.41 28.44 164.45

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.062 (1.0)
cmyn3* 1.0 0.25 0.938 (0.0)
olvi4* 0.0 0.25 0.062 (1.0)
cmyn4* 1.0 0.25 0.938 (0.0)
standard and adapted CIELAB
LAB*LAB 26.71 -13.35 3.94
LAB*LABa 26.71 -13.69 3.82
LAB*TCRa 26.71 14.22 164.44

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCRa 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 162/360 = 0.451$

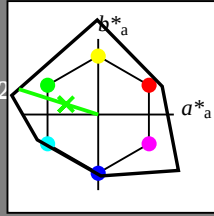
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

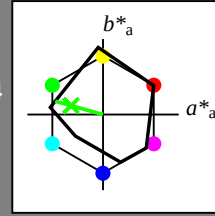
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 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

%Umfang

$u^*_{rel} = 91$

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 162/360 = 0.451$

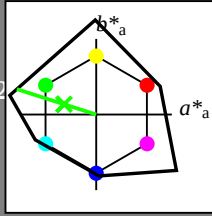
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 162/360 = 0.451$

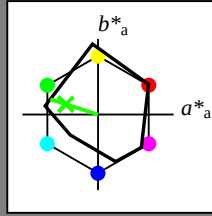
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

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MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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
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

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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$n^* = 1,0$

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Schwarzheit n^*

relative Buntheit c^*

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$n^* = 1,0$

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$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Schwarzheit n^*

relative Buntheit c^*

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIEL

Eingabe: Farbmetrisches Reflexions-System NCS18

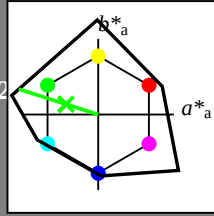
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

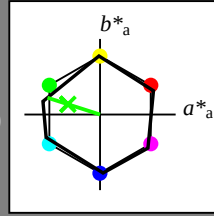
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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 $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^* $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ $n^* = 0,00$ Schwarzheit n^* relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS18

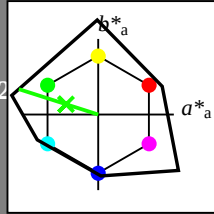
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

1,00

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

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Ausgabe: Farbmimetrisches Reflexions-System NCS18

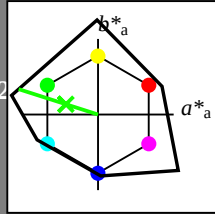
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

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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	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	-0.01
LAB*LABa	95.41	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	0.0
lab*ch	1.0	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	1.0	0.0	0.0	0.0
lab*trc	0.0	0.0	0.0	0.0
lab*nce	0.0	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	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	-0.01
LAB*LABa	76.07	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	0.75	0.0	0.0	0.0
lab*ch	0.75	0.0	-	-
lab*nch	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.75	0.0	0.0	0.0
lab*trc	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	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	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	-0.01
LAB*LABa	56.72	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	0.0
lab*ch	0.5	0.0	-	-
lab*nch	0.5	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.5	0.0	0.0	0.0
lab*trc	0.5	0.0	0.0	0.0
lab*nce	0.5	0.0	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	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	-0.01
LAB*LABa	37.37	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	0.0
lab*ch	0.25	0.0	-	-
lab*nch	0.25	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.25	0.0	0.0	0.0
lab*trc	0.25	0.0	0.0	0.0
lab*nce	0.25	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.0	0.0	-0.01
LAB*LABa	18.02	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*trc	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.0	0.0	0.0	-0.01
LAB*LABa	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*trc	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.0	0.0	0.0	-0.01
LAB*LABa	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*trc	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.0	0.0	0.0	-0.01
LAB*LABa	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*trc	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.0	0.0	0.0	-0.01
LAB*LABa	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*trc	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.0	0.0	0.0	-0.01
LAB*LABa	0.0	0.0	0.0	0.0
LAB*LABb	99.99	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*ch	0.0	0.0	-	-
lab*nch	0.0	0.0	0.0	0.0
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*trc	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.0	0.0	0.0	-0.01
LAB*LABa	0.0	0.0	0.0	0.0

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 162/360 = 0.451$

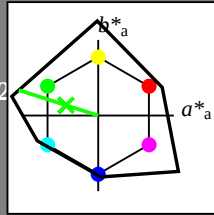
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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
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

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 162/360 = 0.451$

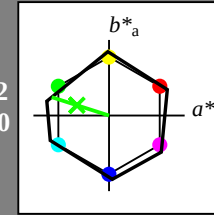
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
J _{CIE}	81.26	-2.9	71.56	71.62	92
G _{CIE}	52.23	-42.45	13.59	44.59	162
B _{CIE}	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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$n^* = 1,0$

0,25

0,50

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relative Buntheit c^*

Schwarzheit n^*

$n^* = 0,25$

$n^* = 0,00$

0,25

0,00

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

0,25

0,50

0,75

1,00

relative Buntheit c^*

Schwarzheit n^*

$n^* = 0,25$

$n^* = 0,00$

0,25

0,00

$n^* = 1,0$

Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 162/360 = 0.451$

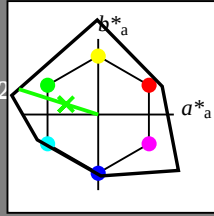
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,25

0,00

relative Buntheit c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,00$

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 162/360 = 0.451$

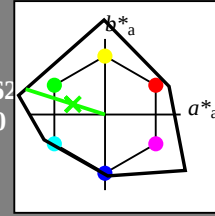
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	-0.01	
LAB*LABa	95.41	0.0	0.0		
LAB*TCBa	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*ch	1.0	0.0	-		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.31	0.0	0.0		
LAB*LABa	74.31	0.0	0.0		
LAB*TCBa	75.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*ch	0.75	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0		
lab*nce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.21	0.0	0.0		
LAB*LABa	53.21	0.0	0.0		
LAB*TCBa	50.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*ch	0.5	0.0	-		
lab*nch	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		
lab*nce	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.11	0.0	0.0		
LAB*LABa	32.11	0.0	0.0		
LAB*TCBa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	11.01	0.0	0.0		
LAB*LABa	11.01	0.0	0.0		
LAB*TCBa	0.01	0.01	-		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*ch	0.0	0.0	-		
lab*nch	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		
lab*nce	1.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.11	0.0	0.0		
LAB*LABa	32.11	0.0	0.0		
LAB*TCBa	25.0	0.01	-		
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*ch	0.25	0.0	-		
lab*nch	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		
lab*nce	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.021	0.25	0.0	(1.0)	
cmyn3*	0.979	0.75	1.0	(0.0)	
olvi4*	0.771	1.0	0.75	0.25	
cmyn4*	0.229	0.0	0.25	0.75	
standard and adapted CIELAB					
LAB*LAB	24.6	26.16	8.4		
LAB*LABa	24.6	-26.23	8.4		
LAB*TCBa	12.5	27.54	162.28		
relative CIELAB lab*					
lab*lab	0.161	-0.237	0.076		
lab*ch	0.125	0.25	0.451		
lab*nch	0.75	0.25	0.451		
relative Natural Colour (NC)					
lab*trj	0.161	-0.249	0.0		
lab*nce	0.125	0.25	0.5		
lab*nce	0.75	0.25	0.00b		

relative Inform. Technology (IT)					
olvi3*	0.041	0.5	0.0	(1.0)	
cmyn3*	0.959	0.5	1.0	(0.0)	
olvi4*	0.541	1.0	0.5	0.5	
cmyn4*	0.459	0.0	0.5	0.5	
standard and adapted CIELAB					
LAB*LAB	38.2	-52.46	16.79		
LAB*LABa	38.2	-52.46	16.79		
LAB*TCBa	25.01	55.09	162.27		
relative CIELAB lab*					
lab*lab	0.322	-0.475	0.152		
lab*ch	0.25	0.5	0.451		
lab*nch	0.5	0.5	0.451		
relative Natural Colour (NC)					
lab*trj	0.322	-0.489	0.0		
lab*nce	0.25	0.5	0.5		
lab*nce	0.5	0.5	0.00b		

relative Inform. Technology (IT)					
olvi3*	0.062	0.75	0.0	(1.0)	
cmyn3*	0.938	0.25	1.0	(0.0)	
olvi4*	0.312	1.0	0.25	0.75	
cmyn4*	0.688	0.0	0.75	0.25	
standard and adapted CIELAB					
LAB*LAB	51.81	-78.65	25.19		
LAB*LABa	51.81	-78.65	25.19		
LAB*TCBa	37.51	82.64	162.26		
relative CIELAB lab*					
lab*lab	0.483	-0.713	0.228		
lab*ch	0.375	0.75	0.451		
lab*nch	0.25	0.75	0.451		
relative Natural Colour (NC)					
lab*trj	0.483	-0.740	0.0		
lab*nce	0.375	0.75	0.5		
lab*nce	0.25	0.75	0.00b		

relative Inform. Technology (IT)					
olvi3*	0.312	1.0	0.25	(1.0)	
cmyn3*	0.688	0.0	0.75	(0.0)	
olvi4*	0.312	1.0	0.25	1.0	
cmyn4*	0.688	0.0	0.75	0.0	
standard and adapted CIELAB					
LAB*LAB	72.9	-78.65	25.19		
LAB*LABa	72.9	-78.65	25.19		
LAB*TCBa	62.5	82.63	162.25		
relative CIELAB lab*					
lab*lab	0.733	-0.713	0.229		
lab*ch	0.625	0.75	0.451		
lab*nch	0.0	0.75	0.451		
relative Natural Colour (NC)					
lab*trj	0.733	-0.740	0.0		
lab*nce	0.625	0.75	0.5		
lab*nce	0.0	0.75	0.00b		

relative Inform. Technology (IT)					
olvi3*	0.083	1.0	0.0	(1.0)	
cmyn3*	0.917	0.0	1.0	(0.0)	
olvi4*	0.083	1.0	0.0	1.0	
cmyn4*	0.917	0.0	1.0	0.0	
standard and adapted CIELAB					

Eingabe: Farbmetrisches Reflexions-System NRS11

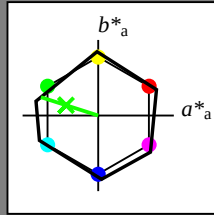
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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Ausgabe: Farbmetrisches Reflexions-System ORS18

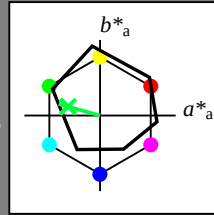
für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*nch 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 1.0 0.0 0.0

lab*nch 1.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*nch 1.0 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 0.0 0.0

LAB*LABa 76.06 0.0 0.0

LAB*LABb 76.06 0.0 0.0

LAB*LABc 76.06 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*nch 0.75 0.0 0.0

lab*trj 0.75 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.75 0.0 0.0

lab*nch 0.75 0.0 0.0

lab*trj 0.75 0.0 0.0

lab*nch 0.75 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 0.0 0.0

LAB*LABa 56.71 0.0 0.0

LAB*LABb 56.71 0.0 0.0

LAB*LABc 56.71 0.0 0.0

relative CIELAB lab*

lab*lab 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*trj 0.5 0.0 0.0

lab*nch 0.5 0.0 0.0

lab*trj 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* 0.25 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 37.36 0.0 0.0

LAB*LABa 37.36 0.0 0.0

LAB*LABb 37.36 0.0 0.0

LAB*LABc 37.36 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

lab*trj 0.25 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

lab*trj 0.25 0.0 0.0

lab*nch 0.25 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (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 18.02 0.0 0.0

LAB*LABa 18.02 0.0 0.0

LAB*LABb 18.02 0.0 0.0

LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (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 10.99 0.0 0.0

LAB*LABa 10.99 0.0 0.0

LAB*LABb 10.99 0.0 0.0

LAB*LABc 10.99 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 0.0 0.0 0.0

relative Natural Colour (NC)

lab*trj 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 0.0 0.0 0.0

lab*nch 0.0 0.0 0.0

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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 162/360 = 0.451$

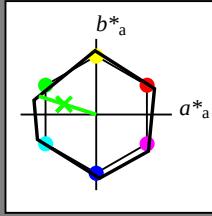
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

1,00

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0,75

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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5 stufige Reihen für konstanten CIELAB Buntton $164/360 = 0.457$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

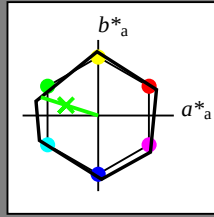
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
J _{CIE}	81.26	-2.9	71.56	71.62	92
G _{CIE}	52.23	-42.45	13.59	44.59	162
B _{CIE}	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

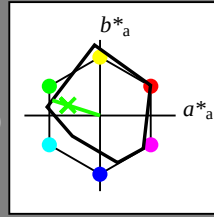
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 92$

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relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)
 cmy3* 0.0 0.0 0.0 (0.0)
 olvi4* 1.0 1.0 1.0 (1.0)
 cmy4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 95.41 0.0 0.0
 LAB*LABa 95.41 0.0 0.0
 LAB*LABb 95.41 0.0 0.0
 LAB*LABc 95.41 0.0 0.0
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Eingabe: Farbmetrisches Reflexions-System NRS11

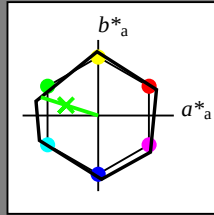
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

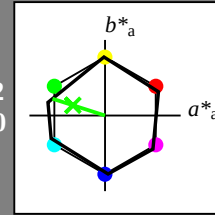
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 162/360 = 0.451$

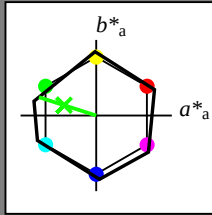
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

1,00

↑

0,75

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

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Schwarzheit n^*

$n^* = 0,00$

0,25

0,50

0,75

1,00

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relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 162/360 = 0.451$

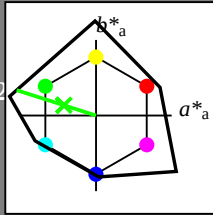
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

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Schwarzheit n^*

$n^* = 0,00$

0,25

0,50

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Eingabe: Farbmimetrisches Reflexions-System NRS11

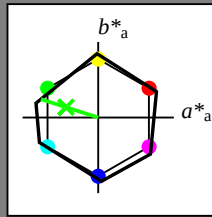
für Buntton $h^* = \text{lab}^*h = 162/360 = 0.451$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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Ausgabe: Farbmimetrisches Reflexions-System NRS11

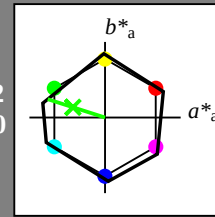
für Buntton $h^* = \text{lab}^*h = 162/360 = 0.451$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^* $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 162/360 = 0.451$

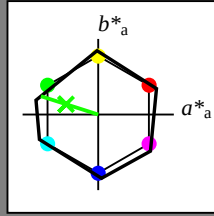
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

1,00

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NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

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Ausgabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 162/360 = 0.451$

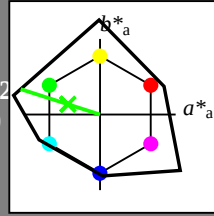
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

1,00

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

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$n^* = 1,0$

0,25

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

0,25

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Schwarzheit n^*

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 162/360 = 0.451$

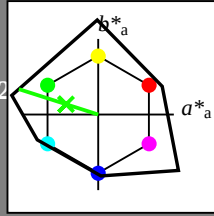
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

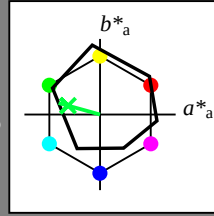
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
olvi3*	1.0	0.0	0.0	0.0	0.0
olvi4*	0.0	1.0	0.0	0.0	0.0
olvi5*	0.0	0.0	1.0	0.0	0.0
olvi6*	0.0	0.0	0.0	1.0	0.0
olvi7*	0.0	0.0	0.0	0.0	1.0
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	0.0	0.0
LAB*LABa	95.41	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0
LAB*LABc	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*lab	1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.25	0.25	0.25	0.25	0.25
olvi6*	0.25	0.25	0.25	0.25	0.25
olvi7*	0.25	0.25	0.25	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	76.06	0.0	0.0	0.0	0.0
LAB*LABa	76.06	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0
LAB*LABc	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*					
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*lab	0.75	0.75	0.75	0.75	0.75
relative Natural Colour (NC)					
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*lab	0.75	0.75	0.75	0.75	0.75

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
olvi3*	0.5	0.5	0.5	0.5	0.5
olvi4*	0.5	0.5	0.5	0.5	0.5
olvi5*	0.5	0.5	0.5	0.5	0.5
olvi6*	0.5	0.5	0.5	0.5	0.5
olvi7*	0.5	0.5	0.5	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0
LAB*LABc	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*					
lab*lab	0.5	0.5	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5	0.5	0.5
relative Natural Colour (NC)					
lab*lab	0.5	0.5	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5	0.5	0.5

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
olvi3*	0.25	0.25	0.25	0.25	0.25
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.25	0.25	0.25	0.25	0.25
olvi6*	0.25	0.25	0.25	0.25	0.25
olvi7*	0.25	0.25	0.25	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	37.36	0.0	0.0	0.0	0.0
LAB*LABa	37.36	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0
LAB*LABc	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*					
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*lab	0.25	0.25	0.25	0.25	0.25
relative Natural Colour (NC)					
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*lab	0.25	0.25	0.25	0.25	0.25
lab*lab	0.25	0.25	0.25	0.25	0.25

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
olvi3*	0.0	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0
standard and adapted CIELAB					
LAB*LAB	18.02	0.0	0.0	0.0	0.0
LAB*LABa	18.02	0.0	0.0	0.0	0.0
LAB*LABb	0.0	0.0	0.0	0.0	0.0
LAB*LABc	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)					
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (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)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
olvi3*	0.75	1.0	0.812	1.0	1.0
olvi4*	0.25	0.0	0.188	0.0	0.0
olvi5*	0.75	1.0	0.812	1.0	1.0
olvi6*	0.25	0.0	0.188	0.0	0.0
olvi7*	0.75	1.0	0.812	1.0	1.0
standard and adapted CIELAB					
LAB*LAB	84.75	-14.46	7.83	14.46	7.83
LAB*LABa	84.75	-14.46	7.83	14.46	7.83
LAB*LABb	-13.69	3.81	14.46	7.83	14.46
LAB*LABc	14.46	7.83	14.46	7.83	14.46
relative CIELAB lab*					
lab*lab	0.862	-0.24	0.067	0.067	0.067
lab*lab	0.862	-0.24	0.067	0.067	0.067
lab*lab	0.862	-0.24	0.067	0.067	0.067
lab*lab	0.862	-0.24	0.067	0.067	0.067
lab*lab	0.862	-0.24	0.067	0.067	0.067
relative Natural Colour (NC)					
lab*lab	0.862	-0.24	0.067	0.067	0.067
lab*lab	0.862	-0.24	0.067	0.067	0.067
lab*lab	0.862	-0.24	0.067	0.067	0.067
lab*lab	0.862	-0.24	0.067	0.067	0.067
lab*lab	0.862	-0.24	0.067	0.067	0.067

LAB* <i>L</i> CHa	87.5	14.22	164.46
lab* <i>L</i>	0.5	0.24	0.067
lab* <i>a</i>	0.875	0.25	0.457
lab* <i>b</i>	0.0	0.25	0.457
relative Natural Colour (NC)			
lab* <i>L</i> rn	0.862	-0.249	0.0
lab* <i>a</i> ce	0.875	0.25	0.5
lab* <i>b</i> ce	0.0	0.25	0.00b
relative Inform. Technology (IT)			
olvi3*	0.5	0.75	0.562 (1.0)
olvi3**	0.25	0.25	0.438 (0.0)
olvi4*	0.5	0.75	0.562 (1.0)
olvi4**	0.25	0.25	0.438 (0.0)
olvi5*	0.5	0.75	0.562 (1.0)
olvi5**	0.25	0.25	0.438 (0.0)
standard and adapted CIELAB			
LAB*LAB	65.41	-14.1	6.53
LAB*LABa	65.41	-13.69	3.81
LAB*LABb	-13.69	3.81	14.1
LAB*LABc	14.1	6.53	14.1

Eingabe: Farbmetrisches Reflexions-System NCS11

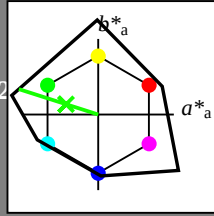
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

1,00

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

Ausgabe: Farbmetrisches Reflexions-System MRS18

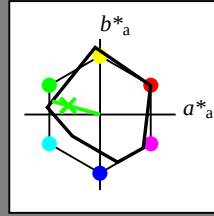
für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

1,00

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

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 162/360 = 0.451$

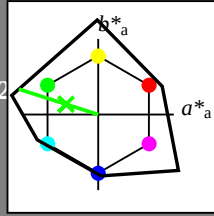
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

Ausgabe: Farbmimetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

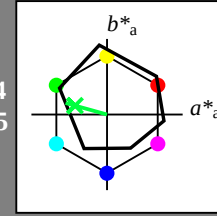
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



TRS18; 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

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

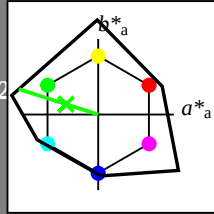
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

1,00

0,75

0,25

0,00

relative Buntheit c^* $n^* = 1,0$ $n^* = 0,50$ $n^* = 0,25$ Schwarzheit n^* $n^* = 0,00$ $n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System MRS18a

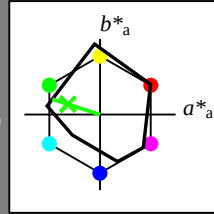
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 92$

1,00

0,75

0,25

0,00

relative Buntheit c^* $n^* = 1,0$

%Regularität

 $g^*_{H,rel} = 42$ $g^*_{C,rel} = 49$

MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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
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

 $g^*_{H,rel} = 42$ $g^*_{C,rel} = 49$ $n^* = 0,00$ $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$ relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 162/360 = 0.451$

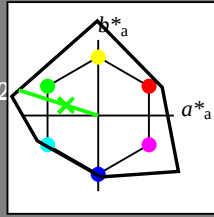
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 162/360 = 0.451$

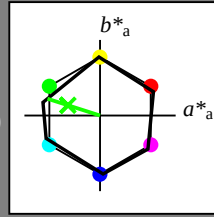
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 73 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS11

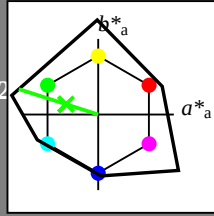
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

1,00

↑

↑

↑

↑

↑

↑

↑

↑

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regelartit

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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Ausgabe: Farbmimetrisches Reflexions-System NCS18

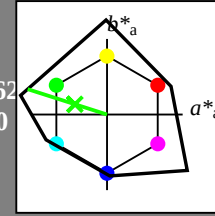
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

%Regelartit

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

%Regelartit

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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Eingabe: Farbmimetrisches Reflexions-System NCS11

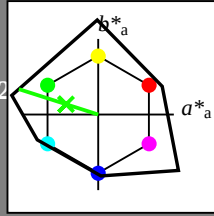
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
J _{CIE}	81.26	-2.9	71.56	71.62	92
G _{CIE}	52.23	-42.45	13.59	44.59	162
B _{CIE}	30.57	1.35	-46.48	46.51	272

%Regelartit

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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Ausgabe: Farbmimetrisches Reflexions-System NRS11

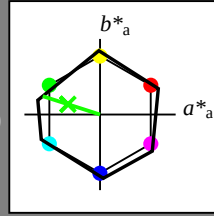
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 119$

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Eingabe: Farbmimetrisches Reflexions-System NCS11

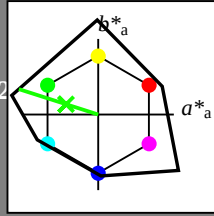
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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Ausgabe: Farbmimetrisches Reflexions-System NCS11

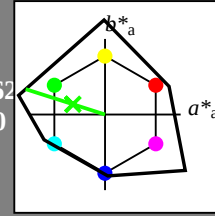
für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmatisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*ch und lab^*nch

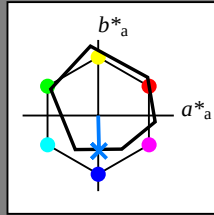
D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 93$

%Regularität

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

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
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

Ausgabe: Farbmatisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*ch und lab^*nch

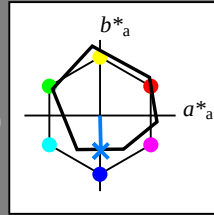
D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 93$

%Regularität

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 0,50$

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
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

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

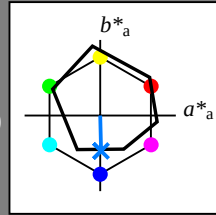
lab^*ch und lab^*nch

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

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

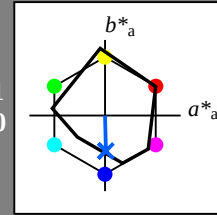
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 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
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*ch und lab^*nch

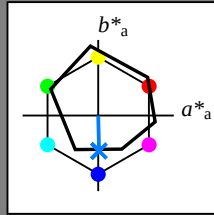
D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 93$

%Regularität

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

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
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

Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*ch und lab^*nch

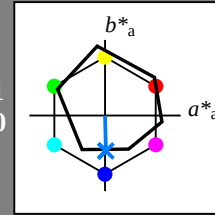
D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 93$

%Regularität

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 0,50$

0,25

0,50

0,75

1,00

TRS18; 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

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $271/360 = 0.754$ (links)5 stufige Reihen für konstanten CIELAB Buntton $271/360 = 0.754$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

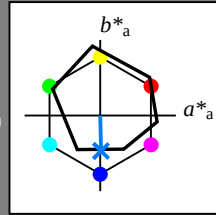
lab^*ch und lab^*nch

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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

Ausgabe: Farbmimetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 272/360 = 0.755$

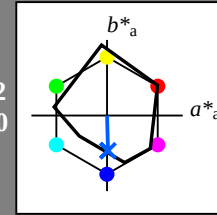
lab^*ch und lab^*nch

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

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

Eingabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

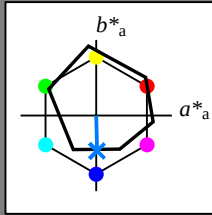
lab^*ch und lab^*nch

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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

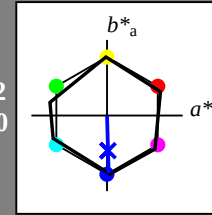
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

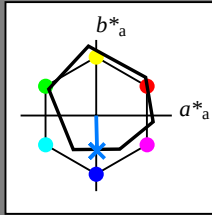
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

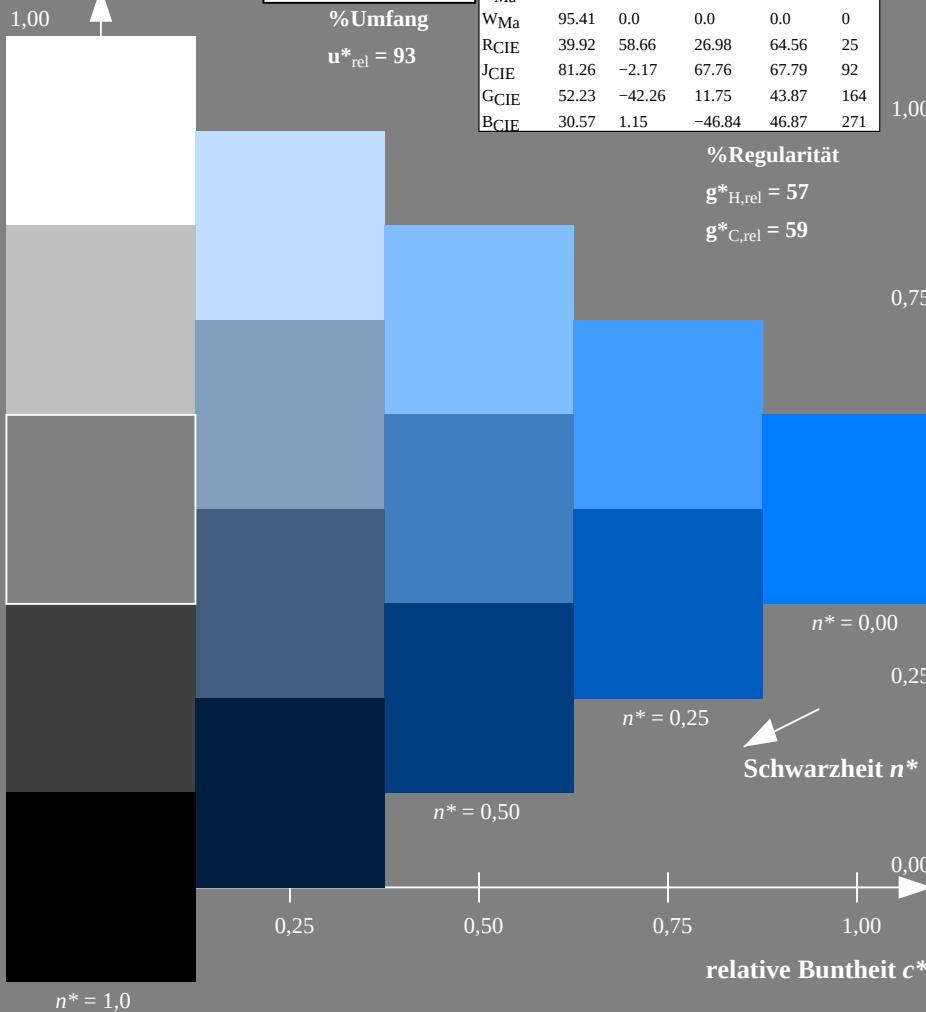
rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$



TG400-7, 5 stufige Reihen für konstanten CIE LAB Buntton 271/360 = 0.754 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

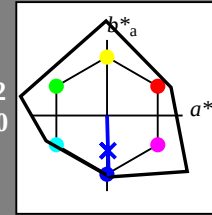
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

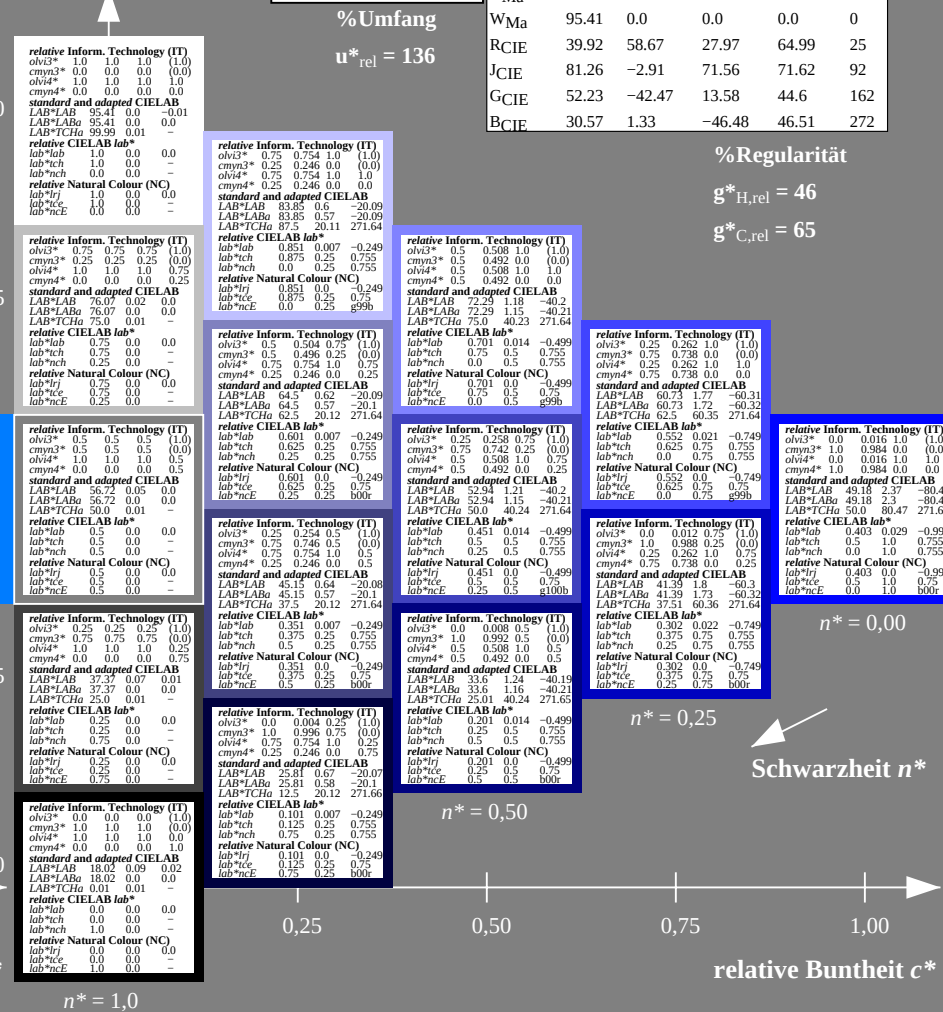
rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$



5 stufige Reihen für konstanten CIE LAB Buntton 272/360 = 0.755 (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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

Eingabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

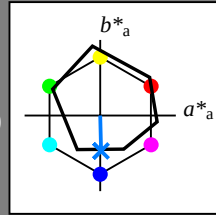
lab^*ch und lab^*nch

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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

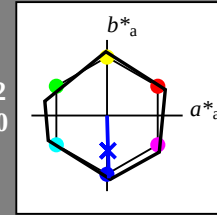
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NRS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

Eingabe: Farbmimetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

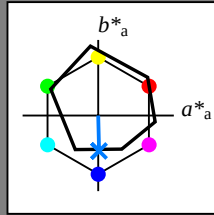
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



%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

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

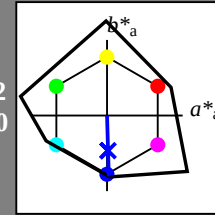
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

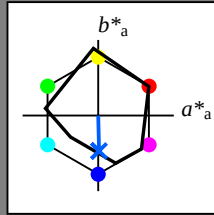
für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

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
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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $271/360 = 0.754$ (links)

Ausgabe: Farbmetrisches Reflexions-System ORS18

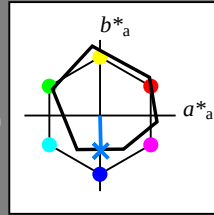
für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

%Regularität

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $271/360 = 0.754$ (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*tch und lab^*nch

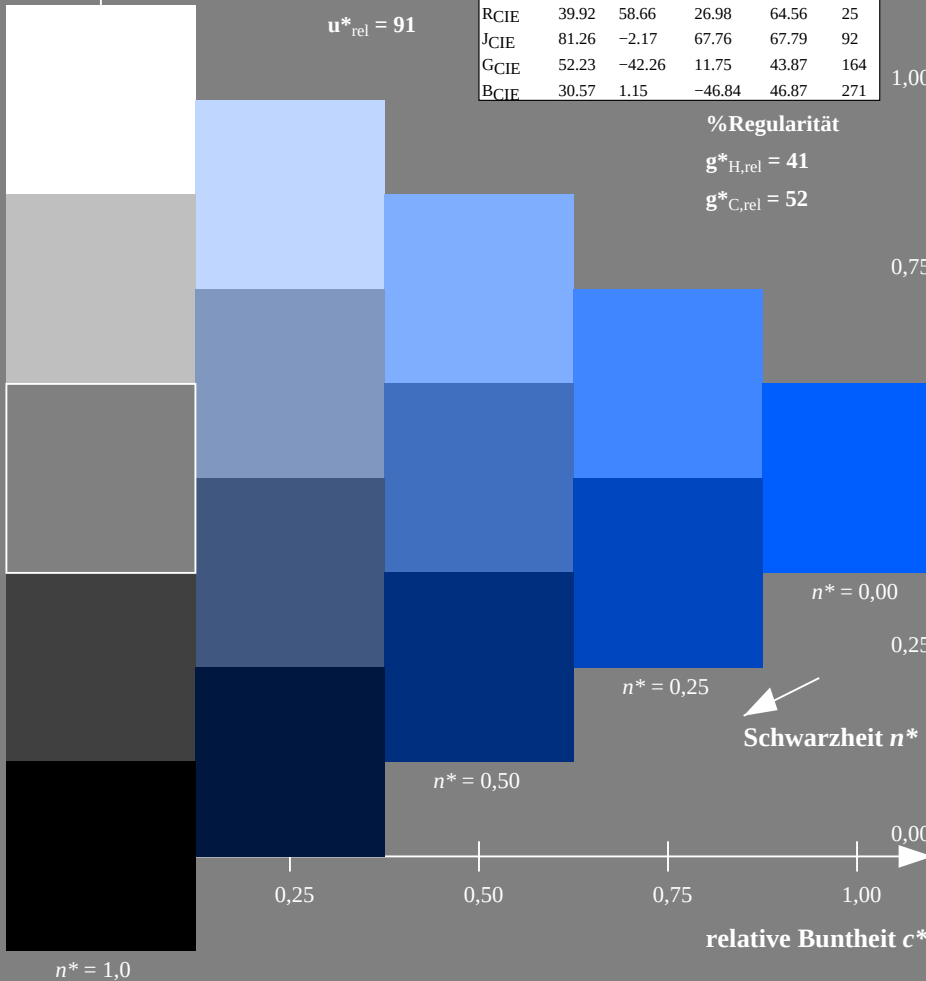
D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

Dreiecks-Helligkeit

1,00

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $271/360 = 0.754$ (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*tch und lab^*nch

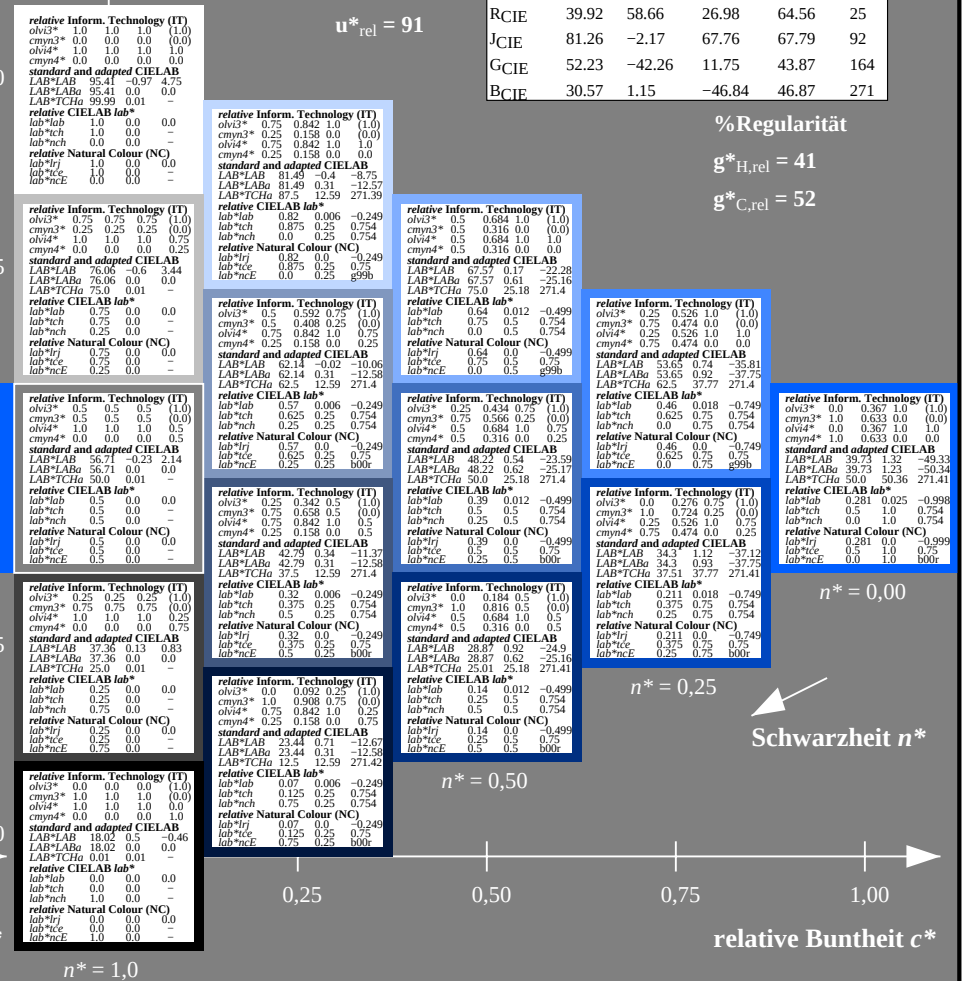
D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

Dreiecks-Helligkeit

1,00

5 stufige Reihen für konstanten CIELAB Buntton $271/360 = 0.754$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

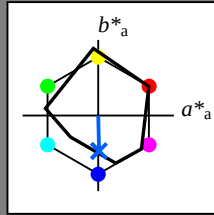
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

Dreiecks-Helligkeit



%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
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

Ausgabe: Farbmimetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

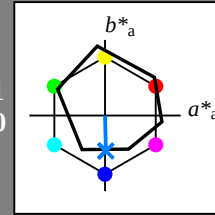
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

TRS18; 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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

Eingabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

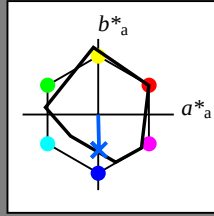
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

Ausgabe: Farbmimetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 272/360 = 0.755$

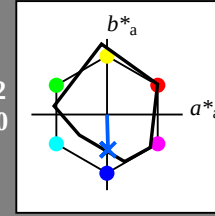
lab^*ch und lab^*nch

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
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^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

Eingabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

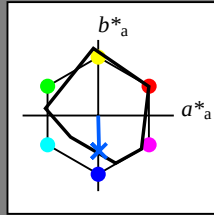
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

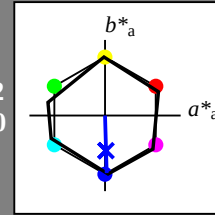
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

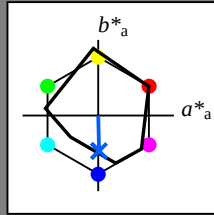
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

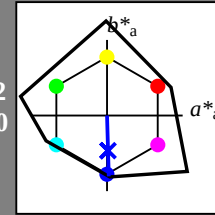
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

Eingabe: Farbmimetrisches Reflexions-System MRS18

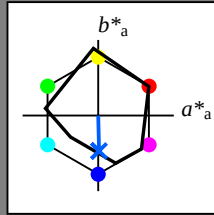
für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

Dreiecks-Helligkeit



%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

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $271/360 = 0.754$ (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

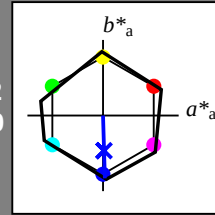
für Buntton $h^* = lab^*h = 272/360 = 0.755$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 119$

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 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0
relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 1.0 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 0.0
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 74.31 0.0 0.0
LAB*LABa 74.31 0.0 0.0
LAB*LABb 74.31 0.0 0.0
LAB*LABc 74.31 0.0 0.0
relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.75 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 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 53.21 0.0 0.0
LAB*LABa 53.21 0.0 0.0
LAB*LABb 53.21 0.0 0.0
LAB*LABc 53.21 0.0 0.0
relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*LABb 32.11 0.0 0.0
LAB*LABc 32.11 0.0 0.0
relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*LABb 11.01 0.0 0.0
LAB*LABc 11.01 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0
LAB*LABc 0.0 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0
LAB*LABc 0.0 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0
LAB*LABc 0.0 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

 $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

1,00

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 74.31 0.0 0.0
LAB*LABa 74.31 0.0 0.0
LAB*LABb 74.31 0.0 0.0
LAB*LABc 74.31 0.0 0.0
relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.75 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 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 53.21 0.0 0.0
LAB*LABa 53.21 0.0 0.0
LAB*LABb 53.21 0.0 0.0
LAB*LABc 53.21 0.0 0.0
relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*LABb 32.11 0.0 0.0
LAB*LABc 32.11 0.0 0.0
relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*LABb 11.01 0.0 0.0
LAB*LABc 11.01 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0
LAB*LABc 0.0 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0
LAB*LABc 0.0 0.0 0.0
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

 $n^* = 1,0$ relative Buntheit c^* $n^* = 1,0$

Eingabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

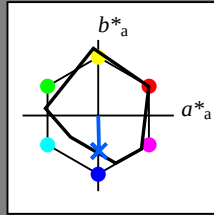
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

Ausgabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

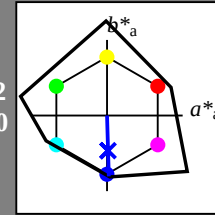
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

Eingabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

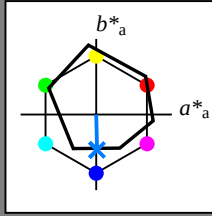
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



TRS18; 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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

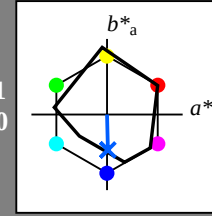
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 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
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

$$n^* = 1,0$$
$$n^* = 1,0$$
5 stufige Reihen für konstanten CIELAB Buntton $271/360 = 0.754$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

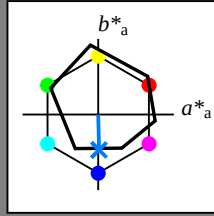
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



TRS18; 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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

Ausgabe: Farbmimetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 272/360 = 0.755$

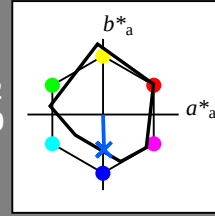
lab^*tch und lab^*nch

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

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

Eingabe: Farbmetrisches Reflexions-System TRS18

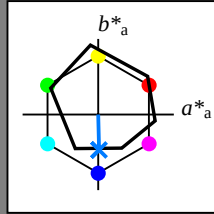
für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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TRS18; 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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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Ausgabe: Farbmetrisches Reflexions-System NRS18

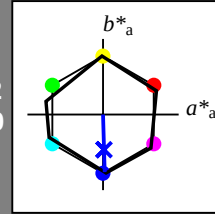
für Buntton $h^* = lab^*h = 272/360 = 0.755$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

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NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50BMa	56.7	-71.29	-30.25	77.45	203
BMa	56.7	4.0	-77.3	77.41	273
B50RMa	56.7	63.35	-44.4	77.36	325
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

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$

0,75

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Schwarzheit n^* $n^* = 0,00$

0,25

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 $n^* = 1,0$ relative Buntheit c^*

0,25

0,50

0,75

1,00

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 $n^* = 1,0$

0,25

0,50

0,75

1,00

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relative Buntheit c^*

0,25

0,50

0,75

1,00

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $271/360 = 0.754$ (links)5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)

Eingabe: Farbmetrisches Reflexions-System TRS18

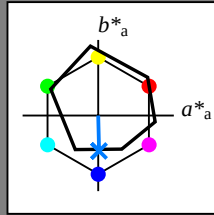
für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

TRS18; 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

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^* TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $271/360 = 0.754$ (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

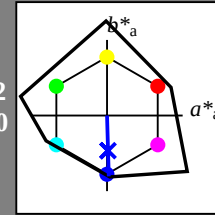
für Buntton $h^* = lab^*h = 272/360 = 0.755$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 136$

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	0.0	0.0	-0.01	-
LAB*LABa	95.41	0.0	0.0	-	-
LAB*LABb	99.99	0.01	-	-	-
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*trj	1.0	0.0	0.0	-	-
lab*tce	0.0	0.0	-	-	-
lab*nce	0.0	0.0	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	1.0	1.0
cmyn3*	0.25	0.25	0.25	0.0	0.0
olvi4*	1.0	1.0	1.0	0.75	0.75
cmyn4*	0.0	0.0	0.0	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	76.07	0.02	0.0	-	-
LAB*LABa	76.07	0.0	0.0	-	-
LAB*LABb	75.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0	-	-
lab*tch	0.75	0.0	-	-	-
lab*nch	0.25	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.75	0.0	0.0	-	-
lab*tce	0.25	0.0	-	-	-
lab*nce	0.25	0.0	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	1.0	1.0
cmyn3*	0.5	0.5	0.5	0.0	0.0
olvi4*	1.0	1.0	1.0	0.5	0.5
cmyn4*	0.0	0.0	0.0	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	56.72	0.0	0.0	-	-
LAB*LABa	56.72	0.0	0.0	-	-
LAB*LABb	50.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0	-	-
lab*tch	0.5	0.0	-	-	-
lab*nch	0.5	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.5	0.0	0.0	-	-
lab*tce	0.5	0.0	-	-	-
lab*nce	0.5	0.0	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	1.0	1.0
cmyn3*	0.75	0.75	0.75	0.0	0.0
olvi4*	1.0	1.0	1.0	0.25	0.25
cmyn4*	0.0	0.0	0.0	0.75	0.75
standard and adapted CIELAB					
LAB*LAB	37.37	0.07	0.01	-	-
LAB*LABa	37.37	0.0	0.0	-	-
LAB*LABb	25.0	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.25	0.0	0.0	-	-
lab*tch	0.25	0.0	-	-	-
lab*nch	0.75	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.25	0.0	0.0	-	-
lab*tce	0.75	0.0	-	-	-
lab*nce	0.75	0.0	-	-	-

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	1.0	1.0
cmyn3*	1.0	1.0	1.0	0.0	0.0
olvi4*	1.0	1.0	1.0	0.0	0.0
cmyn4*	0.0	0.0	0.0	1.0	1.0
standard and adapted CIELAB					
LAB*LAB	18.02	0.09	0.02	-	-
LAB*LABa	18.02	0.0	0.0	-	-
LAB*LABb	0.01	0.01	-	-	-
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	-	-
lab*tch	0.0	0.0	-	-	-
lab*nch	1.0	0.0	-	-	-
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0	-	-
lab*tce	1.0	0.0	-	-	-
lab*nce	1.0	0.0	-	-	-

 $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50BMa	59.47	-80.61	-33.45	87.29	203
BMa	49.01	3.63	-81.2	81.29	273
B50RMa	44.06	106.07	-73.94	129.31	325
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

 $g^*_{H,rel} = 46$ $g^*_{C,rel} = 65$

relative Inform. Technology (IT)					
olvi3*	0.5	0.508	1.0	1.0	1.0
cmyn3*	0.5	0.492	0.0	0.0	0.0
olvi4*	0.5	0.508	1.0	0.5	0.5
cmyn4*	0.5	0.492	0.0	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	72.29	1.18	-40.2	-	-
LAB*LABa	72.29	1.15	-40.21	-	-
LAB*LABb	75.0	40.23	271.64	-	-
relative CIELAB lab*					
lab*lab	0.701	0.014	-0.499	-	-
lab*tch	0.75	0.5	-0.755	-	-
lab*nch	0.0	0.5	0.755	-	-
relative Natural Colour (NC)					
lab*trj	0.701	0.0	-0.499	-	-
lab*tce	0.75	0.5	0.75	-	-
lab*nce	0.0	0.5	0.75	-	-

relative Inform. Technology (IT)					
olvi3*	0.25	0.258	0.75	1.0	1.0
cmyn3*	0.75	0.742	0.25	0.0	0.0
olvi4*	0.5	0.508	1.0	0.75	0.75
cmyn4*	0.5	0.492	0.0	0.25	0.25
standard and adapted CIELAB					
LAB*LAB	52.94	1.21	-40.2	-	-
LAB*LABa	52.94	1.15	-40.21	-	-
LAB*LABb	50.0	40.24	271.64	-	-
relative CIELAB lab*					
lab*lab	0.451	0.014	-0.499	-	-
lab*tch	0.25	0.5	-0.755	-	-
lab*nch	0.25	0.5	0.755	-	-
relative Natural Colour (NC)					
lab*trj	0.451	0.0	-0.499	-	-
lab*tce	0.25	0.5	0.75	-	-
lab*nce	0.25	0.5	0.75	-	-

relative Inform. Technology (IT)					
olvi3*	0.0	0.008	0.5	1.0	1.0
cmyn3*	1.0	0.992	0.5	0.0	0.0
olvi4*	0.5	0.508	1.0	0.5	0.5
cmyn4*	0.5	0.492	0.0	0.5	0.5
standard and adapted CIELAB					
LAB*LAB	33.6	1.24	-40.19	-	-
LAB*LABa	33.6	1.16	-40.21	-	-
LAB*LABb	25.01	40.24	271.65	-	-
relative CIELAB lab*					
lab*lab	0.201	0.014	-0.499	-	-
lab*tch	0.25	0.5	-0.755	-	-
lab*nch	0.5	0.5	0.755	-	-
relative Natural Colour (NC)					
lab*trj	0.201	0.0	-0.499	-	-
lab*tce	0.25	0.5	0.75	-	-
lab*nce	0.5	0.5	0.75	-	-

relative Inform. Technology (IT)					
olvi3*	0.0	0.004	0.25	1.0	1.0
cmyn3*	1.0	0.996	0.75	0.0	0.0
olvi4*	0.75	0.754	1.0	0.25	0.25
cmyn4*	0.25	0.246	0.0	0.75	0.75
standard and adapted CIELAB					
LAB*LAB	25.81	0.67	-20.07	-	-
LAB*LABa	25.81	0.58	-20.1	-	-
LAB*LABb	12.5	20.12	271.66	-	-
relative CIELAB lab*					
lab*lab	0.101	0.007	-0.249	-	-
lab*tch	0.125	0.25	-0.755	-	-
lab*nch	0.75	0.25	0.755	-	-
relative Natural Colour (NC)					
lab*trj	0.101	0.0	-0.249	-	-
lab*tce	0.125	0.25	0.75	-	-
lab*nce	0.75	0.25	0.75	-	-

 $n^* = 0,50$

0,25

0,50

0,75

1,00

relative Buntheit c^* $n^* = 0,00$

0,25

0,50

0,75

1,00

relative Buntheit c^* Schwarzheit n^*

Eingabe: Farbmimetrisches Reflexions-System TRS18

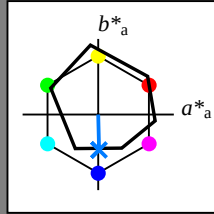
für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

%Regelartit

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

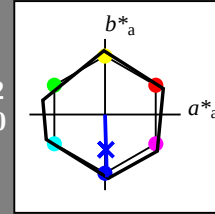
für Buntton $h^* = lab^*h = 272/360 = 0.755$ lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 119$

%Regelartit

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

TRS18; 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

relative Inform. Technology (IT)	
olvi3*	1.0 1.0 (1.0)
cmyn3*	0.0 0.0 0.0 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 -0.01
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 -
relative CIELAB lab*	
lab*lab	1.0 0.0 0.0
lab*lab	1.0 0.0 -
lab*nch	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*lab	1.0 0.0 0.0
lab*nch	0.0 0.0 -

relative Inform. Technology (IT)	
olvi3*	0.75 0.75 0.75 (1.0)
cmyn3*	0.25 0.25 0.25 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	74.31 0.0 0.0
LAB*LABa	74.31 0.0 0.0
LAB*LABb	75.01 -
relative CIELAB lab*	
lab*lab	0.75 0.0 0.0
lab*lab	0.75 0.0 -
lab*nch	0.25 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.75 0.0 0.0
lab*nch	0.25 0.0 -

relative Inform. Technology (IT)	
olvi3*	0.5 0.5 0.5 (1.0)
cmyn3*	0.5 0.5 0.5 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	53.21 0.0 0.0
LAB*LABa	53.21 0.0 0.0
LAB*LABb	50.01 -
relative CIELAB lab*	
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 -
lab*nch	0.5 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.5 0.0 0.0
lab*nch	0.5 0.0 -

relative Inform. Technology (IT)	
olvi3*	0.25 0.25 0.25 (1.0)
cmyn3*	0.75 0.75 0.75 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	32.11 0.0 0.0
LAB*LABa	32.11 0.0 0.0
LAB*LABb	25.01 -
relative CIELAB lab*	
lab*lab	0.25 0.0 0.0
lab*lab	0.25 0.0 -
lab*nch	0.25 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.25 0.0 0.0
lab*nch	0.25 0.0 -

relative Inform. Technology (IT)	
olvi3*	0.0 0.0 0.0 (1.0)
cmyn3*	1.0 1.0 1.0 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	11.01 0.0 0.0
LAB*LABa	11.01 0.0 0.0
LAB*LABb	0.01 -
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 -
lab*nch	1.0 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.0 0.0 0.0
lab*nch	1.0 0.0 -

relative Inform. Technology (IT)	
olvi3*	0.75 0.75 1.0 (1.0)
cmyn3*	0.25 0.244 0.0 (0.0)
olvi4*	0.75 0.75 1.0 (1.0)
cmyn4*	0.25 0.244 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	84.85 0.62 -20.75
LAB*LABa	84.85 0.6 -20.75
LAB*LABb	87.5 20.77 271.66
relative CIELAB lab*	
lab*lab	0.875 0.007 -0.249
lab*lab	0.875 0.0 0.755
lab*nch	0.0 0.25 0.755
relative Natural Colour (NC)	
lab*lab	0.875 0.0 0.755
lab*nch	0.0 0.25 0.755

relative Inform. Technology (IT)	
olvi3*	0.5 0.506 0.75 (1.0)
cmyn3*	0.5 0.494 0.25 (0.0)
olvi4*	0.75 0.75 1.0 (1.0)
cmyn4*	0.25 0.244 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	63.75 0.64 -20.75
LAB*LABa	63.75 0.6 -20.76
LAB*LABb	62.5 20.78 271.66
relative CIELAB lab*	
lab*lab	0.625 0.007 -0.249
lab*lab	0.625 0.25 0.755
lab*nch	0.25 0.25 0.755
relative Natural Colour (NC)	
lab*lab	0.625 0.25 0.755
lab*nch	0.25 0.25 0.755

relative Inform. Technology (IT)	
olvi3*	0.25 0.256 0.5 (1.0)
cmyn3*	0.75 0.744 0.5 (0.0)
olvi4*	0.75 0.75 1.0 (1.0)
cmyn4*	0.25 0.244 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	42.65 1.87 -20.74
LAB*LABa	42.65 0.6 -20.76
LAB*LABb	37.5 20.78 271.66
relative CIELAB lab*	
lab*lab	0.375 0.007 -0.249
lab*lab	0.375 0.25 0.755
lab*nch	0.5 0.25 0.755
relative Natural Colour (NC)	
lab*lab	0.375 0.25 0.755
lab*nch	0.5 0.25 0.755

relative Inform. Technology (IT)	
olvi3*	0.0 0.006 0.25 (1.0)
cmyn3*	1.0 0.994 0.75 (0.0)
olvi4*	0.75 0.756 1.0 (1.0)
cmyn4*	0.25 0.244 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	21.55 0.68 -20.73
LAB*LABa	21.55 0.61 -20.73
LAB*LABb	12.5 20.77 271.66
relative CIELAB lab*	
lab*lab	0.125 0.007 -0.249
lab*lab	0.125 0.25 0.755
lab*nch	0.75 0.25 0.755
relative Natural Colour (NC)	
lab*lab	0.125 0.25 0.755
lab*nch	0.75 0.25 0.755

relative Inform. Technology (IT)	
olvi3*	0.5 0.512 1.0 (1.0)
cmyn3*	0.5 0.488 0.0 (0.0)
olvi4*	0.5 0.512 1.0 (1.0)
cmyn4*	0.5 0.488 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	74.3 1.23 -41.51
LAB*LABa	74.3 1.2 -41.52
LAB*LABb	75.0 41.54 271.66
relative CIELAB lab*	
lab*lab	0.75 0.014 -0.499
lab*lab	0.75 0.5 0.755
lab*nch	0.0 0.5 0.755
relative Natural Colour (NC)	
lab*lab	0.75 0.5 0.755
lab*nch	0.0 0.5 0.755

relative Inform. Technology (IT)	
olvi3*	0.25 0.262 0.75 (1.0)
cmyn3*	0.75 0.738 0.25 (0.0)
olvi4*	0.5 0.512 1.0 (1.0)
cmyn4*	0.5 0.488 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	53.2 1.23 -41.51
LAB*LABa	53.2 1.21 -41.52
LAB*LABb	50.0 41.55 271.66
relative CIELAB lab*	
lab*lab	0.5 0.015 -0.499
lab*lab	0.5 0.5 0.755
lab*nch	0.25 0.5 0.755
relative Natural Colour (NC)	
lab*lab	0.5 0.5 0.755
lab*nch	0.25 0.5 0.755

relative Inform. Technology (IT)	
olvi3*	0.0 0.018 0.75 (1.0)
cmyn3*	1.0 0.982 0.25 (0.0)
olvi4*	0.25 0.268 1.0 (1.0)
cmyn4*	0.75 0.732 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	42.65 1.87 -20.74
LAB*LABa	42.65 1.82 -20.74
LAB*LABb	37.51 20.78 271.66
relative CIELAB lab*	
lab*lab	0.375 0.022 -0.749
lab*lab	0.375 0.75 0.755
lab*nch	0.25 0.75 0.755
relative Natural Colour (NC)	
lab*lab	0.375 0.75 0.755
lab*nch	0.25 0.75 0.755

relative Inform. Technology (IT)	
olvi3*	0.0 0.012 0.5 (1.0)
cmyn3*	1.0 0.988 0.5 (0.0)
olvi4*	0.5 0.512 1.0 (1.0)
cmyn4*	0.5 0.488 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	32.1 1.27 -41.51
LAB*LABa	32.1 1.21 -41.52
LAB*LABb	25.01 41.55 271.67
relative CIELAB lab*	
lab*lab	0.25 0.015 -0.499
lab*lab	0.25 0.5 0.755
lab*nch	0.5 0.5 0.755
relative Natural Colour (NC)	
lab*lab	0.25 0.5 0.755
lab*nch	0.5 0.5 0.755

relative Inform. Technology (IT)	
olvi3*	0.25 0.268 1.0 (1.0)
cmyn3*	0.75 0.732 0.0 (0.0)
olvi4*	0.25 0.268 1.0 (1.0)
cmyn4*	0.75 0.732 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	63.75 1.84 -20.75
LAB*LABa	63.75 1.81 -20.76
LAB*LABb	62.5 20.78 271.66
relative CIELAB lab*	
lab*lab	0.625 0.022 -0.749
lab*lab	0.625 0.75 0.755
lab*nch	0.0 0.75 0.755
relative Natural Colour (NC)	
lab*lab	0.625 0.75 0.755
lab*nch	0.0 0.75 0.755

relative Inform. Technology (IT)	
olvi3*	0.0 0.024 1.0 (1.0)
cmyn3*	1.0 0.976 0.0 (0.0)
olvi4*	0.0 0.024 1.0 (1.0)
cmyn4*	1.0 0.976 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	53.2 2.46 -83.04
LAB*LABa	53.2 2.42 -83.05
LAB*LABb	50.0 83.09 271.67
relative CIELAB lab*	
lab*lab	0.5 0.029 -0.998
lab*lab	0.5 1.0 0.755
lab*nch	0.0 1.0 0.755
relative Natural Colour (NC)	
lab*lab	0.5 1.0 0.755
lab*nch	0.0 1.0 0.755

relative Inform. Technology (IT)	
olvi3*	0.0 0.018 0.75 (1.0)
cmyn3*	1.0 0.982 0.25 (0.0)
olvi4*	0.25 0.268 1.0 (1.0)
cmyn4*	0.75 0.732 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	42.65 1.87 -20.74
LAB*LABa	42.65 1.82 -20.74
LAB*LABb	37.51 20.78 271.66
relative CIELAB lab*	
lab*lab	0.375 0.022 -0.749
lab*lab	0.375 0.75 0.755
lab*nch	0.25 0.75 0.755
relative Natural Colour (NC)	
lab*lab	0.375 0.75 0.755
lab*nch	0.25 0.75 0.755

relative Inform. Technology (IT)	
olvi3*	0.0 0.012 0.5 (1.0)
cmyn3*	1.0 0.988 0.5 (0.0)
olvi4*	0.5 0.512 1.0 (1.0)
cmyn4*	0.5 0.488 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	32.1 1.27 -41.51
LAB*LABa	32.1 1.21 -41.52
LAB*LABb	25.01 41.55 271.67
relative CIELAB lab*	
lab*lab	0.25 0.015 -0.499
lab*lab	0.25 0.5 0.755
lab*nch	0.5 0.5 0.755
relative Natural Colour (NC)	
lab*lab	0.25 0.5 0.755
lab*nch	0.5 0.5 0.755

Eingabe: Farbmimetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

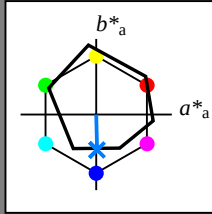
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



TRS18; 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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $271/360 = 0.754$ (links)

Ausgabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

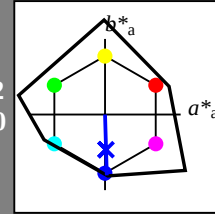
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 272/360 = 0.755$

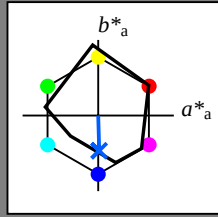
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

Dreiecks-Helligkeit



%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

0,75

0,25

0,00

Schwarzheit n^*

relative Buntheit c^*

$n^* = 1,0$

0,25

0,50

0,75

1,00

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

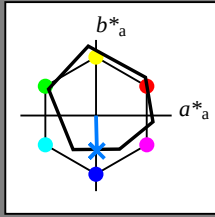
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



%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

0,75

0,25

0,00

Schwarzheit n^*

relative Buntheit c^*

$n^* = 0,00$

0,25

0,50

0,75

1,00

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 272/360 = 0.755$

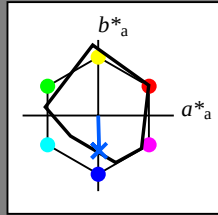
lab^*tch und lab^*nch

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
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

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

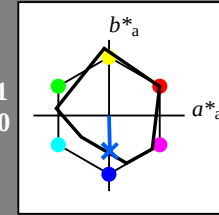
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 272/360 = 0.755$

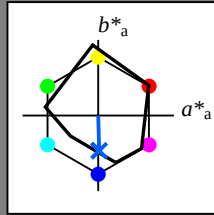
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

1,00

↑

0,75

0,50

0,25

0,00

↓

0,75

0,50

0,25

0,00

0,75

0,50

0,25

0,00

0,75

0,50

0,25

0,00

0,75

0,50

0,25

0,00

0,75

0,50

0,25

0,00

0,75

0,50

0,25

0,00

0,75

0,50

0,25

0,00

0,75

0,50

0,25

0,00

0,75

0,50

0,25

0,00

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

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

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Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

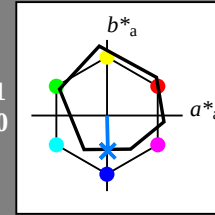
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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0,75

0,50

Eingabe: Farbmimetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 272/360 = 0.755$

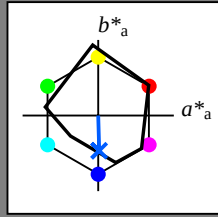
lab^*ch und lab^*nch

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
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^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 272/360 = 0.755$

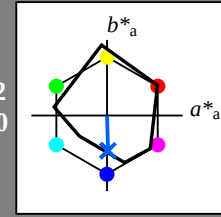
lab^*ch und lab^*nch

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
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^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 272/360 = 0.755$

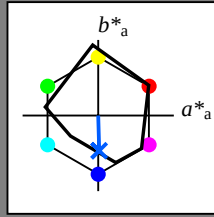
lab^*ch und lab^*nch

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
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^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

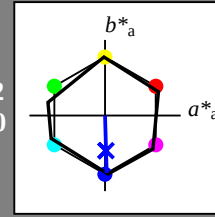
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 272/360 = 0.755$

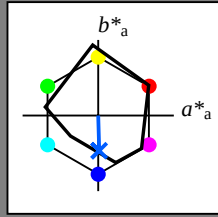
lab^*tch und lab^*nch

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
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

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

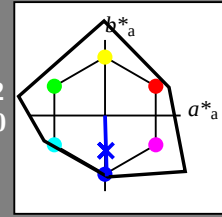
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NCS18; adaptierte CIELAB-Daten					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 272/360 = 0.755$

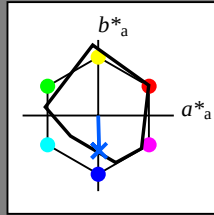
lab^*ch und lab^*nch

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
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

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

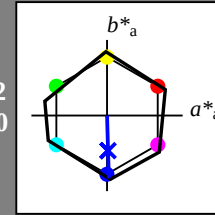
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NRS11; adaptierte CIELAB-Daten					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	53.2	77.06	34.32	84.36	24
J _{Ma}	53.2	-1.51	84.38	84.39	91
G _{Ma}	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 272/360 = 0.755$

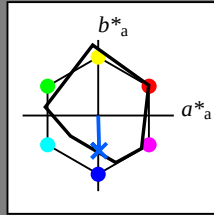
lab^*tch und lab^*nch

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
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

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

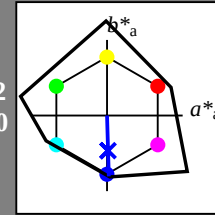
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

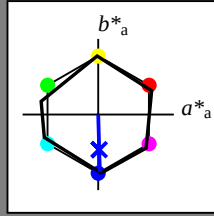
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

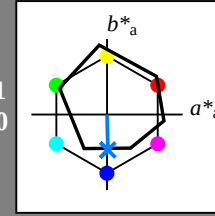
lab^*tch und lab^*nch

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

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

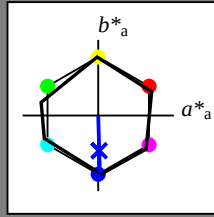
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

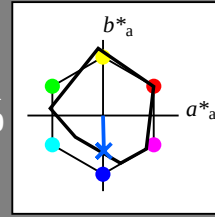
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 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	
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^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$ lab^*ch und lab^*nch

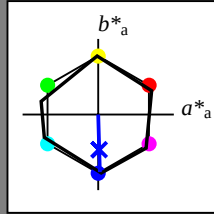
D65: Buntton B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 100$

%Regularität

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 1,0$ relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*ch und lab^*nch

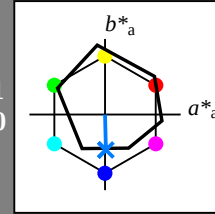
D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 93$

%Regularität

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

 $n^* = 0,50$ relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

0,75

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*trce 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 0.0 0.0
LAB*LABa 76.06 0.0 0.0
LAB*LABb 76.06 0.0 0.0
relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*trce 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 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*LABb 56.71 0.0 0.0
relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*trc 0.5 0.0 0.0
lab*trce 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*LABa 37.36 0.13 0.83
LAB*LABb 37.36 0.13 0.83
relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trc 0.75 0.0 0.0
lab*trce 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.5 -0.46
LAB*LABb 18.02 0.5 -0.46
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*trce 0.0 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*LABa 37.36 0.13 0.83
LAB*LABb 37.36 0.13 0.83
relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trc 0.75 0.0 0.0
lab*trce 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.5 -0.46
LAB*LABb 18.02 0.5 -0.46
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*trce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.5 -0.46
LAB*LABb 18.02 0.5 -0.46
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*trce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.5 -0.46
LAB*LABb 18.02 0.5 -0.46
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*trce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.5 -0.46
LAB*LABb 18.02 0.5 -0.46
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*trce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LABa 18.02 0.5 -0.46
LAB*LABb 18.02 0.5 -0.46
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*trce 0.0 0.0 0.0

TRS18; 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* 0.25 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 55.19 0.82 -33.53
LAB*LABa 55.19 0.82 -33.53
LAB*LABb 55.19 0.82 -33.53
relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.75 0.75 0.75
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trc 0.75 0.75 0.75
lab*trce 0.75 0.75 0.75

relative Inform. Technology (IT)
olvi3* 0.0 0.366 0.75 (1.0)
cmyn3* 1.0 0.634 0.25 (0.0)
olvi4* 0.25 0.616 1.0 (0.0)
cmyn4* 0.75 0.384 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.84 0.99 -32.79
LAB*LABa 35.84 0.99 -32.79
LAB*LABb 35.84 0.99 -32.79
relative CIELAB lab*
lab*lab 0.0 0.366 0.75
lab*ch 0.0 0.634 0.25
lab*nch 0.25 0.616 1.0
lab*trj 0.0 0.366 0.75
lab*trc 0.0 0.634 0.25
lab*trce 0.0 0.634 0.25

relative Inform. Technology (IT)
olvi3* 0.0 0.366 0.75 (1.0)
cmyn3* 1.0 0.634 0.25 (0.0)
olvi4* 0.25 0.616 1.0 (0.0)
cmyn4* 0.75 0.384 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.84 0.99 -32.79
LAB*LABa 35.84 0.99 -32.79
LAB*LABb 35.84 0.99 -32.79
relative CIELAB lab*
lab*lab 0.0 0.366 0.75
lab*ch 0.0 0.634 0.25
lab*nch 0.25 0.616 1.0
lab*trj 0.0 0.366 0.75
lab*trc 0.0 0.634 0.25
lab*trce 0.0 0.634 0.25

relative Inform. Technology (IT)
olvi3* 0.0 0.366 0.75 (1.0)
cmyn3* 1.0 0.634 0.25 (0.0)
olvi4* 0.25 0.616 1.0 (0.0)
cmyn4* 0.75 0.384 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.84 0.99 -32.79
LAB*LABa 35.84 0.99 -32.79
LAB*LABb 35.84 0.99 -32.79
relative CIELAB lab*
lab*lab 0.0 0.366 0.75
lab*ch 0.0 0.634 0.25
lab*nch 0.25 0.616 1.0
lab*trj 0.0 0.366 0.75
lab*trc 0.0 0.634 0.25
lab*trce 0.0 0.634 0.25

relative Inform. Technology (IT)
olvi3* 0.0 0.366 0.75 (1.0)
cmyn3* 1.0 0.634 0.25 (0.0)
olvi4* 0.25 0.616 1.0 (0.0)
cmyn4* 0.75 0.384 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.84 0.99 -32.79
LAB*LABa 35.84 0.99 -32.79
LAB*LABb 35.84 0.99 -32.79
relative CIELAB lab*
lab*lab 0.0 0.366 0.75
lab*ch 0.0 0.634 0.25
lab*nch 0.25 0.616 1.0
lab*trj 0.0 0.366 0.75
lab*trc 0.0 0.634 0.25
lab*trce 0.0 0.634 0.25

relative Inform. Technology (IT)
olvi3* 0.0 0.366 0.75 (1.0)
cmyn3* 1.0 0.634 0.25 (0.0)
olvi4* 0.25 0.616 1.0 (0.0)
cmyn4* 0.75 0.384 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.84 0.99 -32.79
LAB*LABa 35.84 0.99 -32.79
LAB*LABb 35.84 0.99 -32.79
relative CIELAB lab*
lab*lab 0.0 0.366 0.75
lab*ch 0.0 0.634 0.25
lab*nch 0.25 0.616 1.0
lab*trj 0.0 0.366 0.75
lab*trc 0.0 0.634 0.25
lab*trce 0.0 0.634 0.25

relative Inform. Technology (IT)
olvi3* 0.0 0.366 0.75 (1.0)
cmyn3* 1.0 0.634 0.25 (0.0)
olvi4* 0.25 0.616 1.0 (0.0)
cmyn4* 0.75 0.384 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.84 0.99 -32.79
LAB*LABa 35.84 0.99 -32.79
LAB*LABb 35.84 0.99 -32.79
relative CIELAB lab*
lab*lab 0.0 0.366 0.75
lab*ch 0.0 0.634 0.25
lab*nch 0.25 0.616 1.0
lab*trj 0.0 0.366 0.75
lab*trc 0.0 0.634 0.25
lab*trce 0.0 0.634 0.25

relative Inform. Technology (IT)
olvi3* 0.0 0.366 0.75 (1.0)
cmyn3* 1.0 0.634 0.25 (0.0)
olvi4* 0.25 0.616 1.0 (0.0)
cmyn4* 0.75 0.384 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.84 0.99 -32.79
LAB*LABa 35.84 0.99 -32.79
LAB*LABb 35.84 0.99 -32.79
relative CIELAB lab*
lab*lab 0.0 0.366 0.75
lab*ch 0.0 0.634 0.25
lab*nch 0.25 0.616 1.0
lab*trj 0.0 0.366 0.75
lab*trc 0.0 0.634 0.25
lab*trce 0.0 0.634 0.25

relative Inform. Technology (IT)
olvi3* 0.0 0.366 0.75 (1.0)
cmyn3* 1.0 0.634 0.25 (0.0)
olvi4* 0.25 0.616 1.0 (0.0)
cmyn4* 0.75 0.384 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.84 0.99 -32.79
LAB*LABa 35.84 0.99 -32.79
LAB*LABb 35.84 0.99 -32.79
relative CIELAB lab*
lab*lab 0.0 0.366 0.75
lab*ch 0.0 0.634 0.25
lab*nch 0.25 0.616 1.0
lab*trj 0.0 0.366 0.75
lab*trc 0.0 0.634 0.25
lab*trce 0.0 0.634 0.25

Eingabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

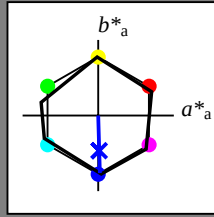
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	56.7	70.66	31.47	77.35	24
J _{Ma}	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 272/360 = 0.755$

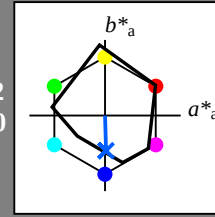
lab^*ch und lab^*nch

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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
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^*

$n^* = 0,50$

0,00

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System NRS18

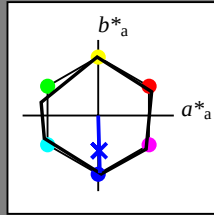
für Buntton $h^* = \text{lab}^*h = 272/360 = 0.755$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

%Regelartitt

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen fr konstanten CIELAB Buntton $272/360 = 0.755$ (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS18

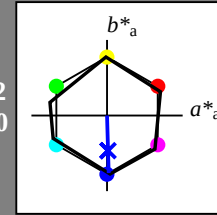
fr Buntton $h^* = \text{lab}^*h = 272/360 = 0.755$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 100$

%Regelartitt

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$ $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 0,50$ $n^* = 1,0$ 5 stufige Reihen fr konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

relative Inform. Technology (IT)	
olvi3*	1.0 1.0 (1.0)
cmyn3*	0.0 0.0 0.0 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 0.0
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	0.0 0.0 0.0
relative CIELAB lab*	
lab*lab	1.0 0.0 0.0
lab*lab	1.0 0.0 -
lab*nch	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*trj	1.0 0.0 0.0
lab*trc	0.0 0.0 0.0
lab*ncc	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 0.25
standard and adapted CIELAB	
LAB*LAB	76.07 0.0 0.0
LAB*LABa	76.07 0.0 0.0
LAB*LABb	0.0 0.0 0.0
relative CIELAB lab*	
lab*lab	0.75 0.0 0.0
lab*lab	0.75 0.0 -
lab*nch	0.25 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.75 0.0 0.0
lab*trc	0.25 0.0 0.0
lab*ncc	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 0.5
standard and adapted CIELAB	
LAB*LAB	56.72 0.0 0.0
LAB*LABa	56.72 0.0 0.0
LAB*LABb	0.0 0.0 0.0
relative CIELAB lab*	
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 -
lab*nch	0.5 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.5 0.0 0.0
lab*trc	0.5 0.0 0.0
lab*ncc	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 0.75
standard and adapted CIELAB	
LAB*LAB	37.37 0.0 0.0
LAB*LABa	37.37 0.0 0.0
LAB*LABb	0.0 0.0 0.0
relative CIELAB lab*	
lab*lab	0.25 0.0 0.0
lab*lab	0.25 0.0 -
lab*nch	0.25 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.25 0.0 0.0
lab*trc	0.25 0.0 0.0
lab*ncc	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 1.0
standard and adapted CIELAB	
LAB*LAB	18.02 0.0 0.0
LAB*LABa	18.02 0.0 0.0
LAB*LABb	0.0 0.0 0.0
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 -
lab*nch	1.0 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.0 0.0 0.0
lab*trc	0.0 0.0 0.0
lab*ncc	1.0 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 0.25
standard and adapted CIELAB	
LAB*LAB	76.07 0.0 0.0
LAB*LABa	76.07 0.0 0.0
LAB*LABb	0.0 0.0 0.0
relative CIELAB lab*	
lab*lab	0.75 0.0 0.0
lab*lab	0.75 0.0 -
lab*nch	0.25 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.75 0.0 0.0
lab*trc	0.25 0.0 0.0
lab*ncc	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 0.5
standard and adapted CIELAB	
LAB*LAB	56.72 0.0 0.0
LAB*LABa	56.72 0.0 0.0
LAB*LABb	0.0 0.0 0.0
relative CIELAB lab*	
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 -
lab*nch	0.5 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.5 0.0 0.0
lab*trc	0.5 0.0 0.0
lab*ncc	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 0.75
standard and adapted CIELAB	
LAB*LAB	37.37 0.0 0.0
LAB*LABa	37.37 0.0 0.0
LAB*LABb	0.0 0.0 0.0
relative CIELAB lab*	
lab*lab	0.25 0.0 0.0
lab*lab	0.25 0.0 -
lab*nch	0.25 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.25 0.0 0.0
lab*trc	0.25 0.0 0.0
lab*ncc	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 1.0
standard and adapted CIELAB	
LAB*LAB	18.02 0.0 0.0
LAB*LABa	18.02 0.0 0.0
LAB*LABb	0.0 0.0 0.0
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 -
lab*nch	1.0 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.0 0.0 0.0
lab*trc	0.0 0.0 0.0
lab*ncc	1.0 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 0.25
standard and adapted CIELAB	
LAB*LAB	76.07 0.0 0.0
LAB*LABa	76.07 0.0 0.0
LAB*LABb	0.0 0.0 0.0
relative CIELAB lab*	
lab*lab	0.75 0.0 0.0
lab*lab	0.75 0.0 -
lab*nch	0.25 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.75 0.0 0.0
lab*trc	0.25 0.0 0.0
lab*ncc	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 0.5
standard and adapted CIELAB	
LAB*LAB	56.72 0.0 0.0
LAB*LABa	56.72 0.0 0.0
LAB*LABb	0.0 0.0 0.0
relative CIELAB lab*	
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 -
lab*nch	0.5 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.5 0.0 0.0
lab*trc	0.5 0.0 0.0
lab*ncc	0.0 0.0 -

NRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

relative Inform. Technology (IT)	
olvi3*	1.0 1.0 (1.0)
cmyn3*	0.0 0.0 0.0 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 0.0
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	0.0 0.0 0.0
relative CIELAB lab*	
lab*lab	1.0 0.0 0.0
lab*lab	1.0 0.0 -
lab*nch	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*trj	1.0 0.0 0.0
lab*trc	0.0 0.0 0.0
lab*ncc	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 0.25
standard and adapted CIELAB	
LAB*LAB	76.07 0.0 0.0
LAB*LABa	76.07 0.0 0.0
LAB*LABb	0.0 0.0 0.0
relative CIELAB lab*	
lab*lab	0.75 0.0 0.0
lab*lab	0.75 0.0 -
lab*nch	0.25 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.75 0.0 0.0
lab*trc	0.25 0.0 0.0
lab*ncc	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 0.5
standard and adapted CIELAB	
LAB*LAB	56.72 0.0 0.0
LAB*LABa	56.72 0.0 0.0
LAB*LABb	0.0 0.0 0.0
relative CIELAB lab*	
lab*lab	0.5 0.0 0.0
lab*lab	0.5 0.0 -
lab*nch	0.5 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.5 0.0 0.0
lab*trc	0.5 0.0 0.0
lab*ncc	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 0.75
standard and adapted CIELAB	
LAB*LAB	37.37 0.0 0.0
LAB*LABa	37.37 0.0 0.0
LAB*LABb	0.0 0.0 0.0
relative CIELAB lab*	
lab*lab	0.25 0.0 0.0
lab*lab	0.25 0.0 -
lab*nch	0.25 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.25 0.0 0.0
lab*trc	0.25 0.0 0.0
lab*ncc	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 1.0
standard and adapted CIELAB	
LAB*LAB	18.02 0.0 0.0
LAB*LABa	18.02 0.0 0.0
LAB*LABb	0.0 0.0 0.0
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*lab	0.0 0.0 -
lab*nch	1.0 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.0 0.0 0.0
lab*trc	0.0 0.0 0.0
lab*ncc	1.0 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 0.25
standard and adapted CIELAB	
LAB*LAB	76.07 0.0 0.0
LAB*LABa	76.07 0.0 0.0
LAB*LABb	0.0 0.0 0.0
relative CIELAB lab*	
lab*lab	0.75 0.0 0.0
lab*lab	0.75 0.0 -
lab*nch	0.25 0.0 0.0
relative Natural Colour (NC)	
lab*trj	0.75 0.0 0.0
lab*trc	0.25 0.0 0.0
lab*ncc	0.0 0.0 -

relative Inform. Technology (IT)				
olvi3*	0.0	0.012	0.5	(1.0)
cmyn3*	1.0	0.988	0.5	(0.0)
olvi4*	0.5	0.512	1.0	0.5
cmyn4*	0.5	0.488	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	37.36	1.17	-38.05	
LAB*LAB _a	37.36	1.09	-38.07	

Eingabe: Farbmetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

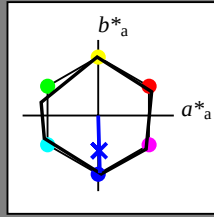
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

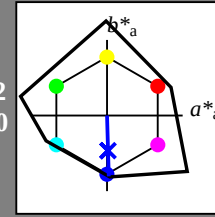
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

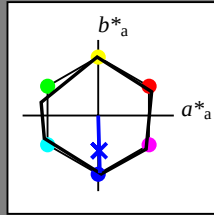
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

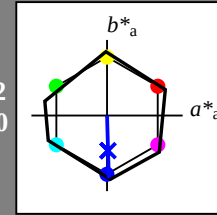
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NRS11; adaptierte CIELAB-Daten	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

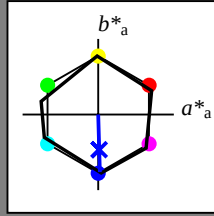
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NRS18; adaptierte CIELAB-Daten		$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

Ausgabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

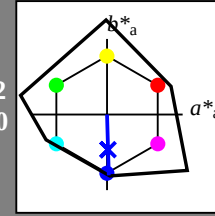
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten		$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24	
JMa	91.37	-1.27	125.03	125.03	91	
GMa	63.07	-114.28	25.35	117.06	167	
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203	
B _{Ma}	49.01	3.65	-81.19	81.28	273	
B50R _{Ma}	44.06	106.09	-73.93	129.32	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (links)

5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

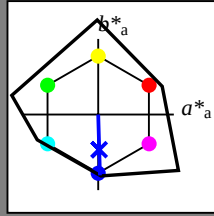
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

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NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

%Regelartit

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

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Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

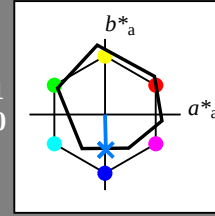
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

1,00

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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

%Regelartit

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1,00

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

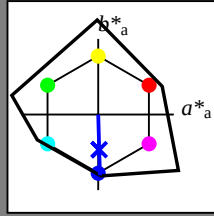
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

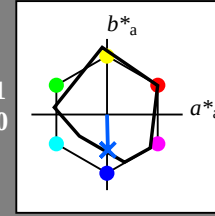
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*ch	0.0	1.0	0.0	0.0	0.0
lab*nch	0.0	0.0	1.0	0.0	0.0
lab*tr	0.0	0.0	0.0	1.0	0.0
lab*ce	0.0	0.0	0.0	0.0	1.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.842	1.0	0.0	0.0
lab*ch	0.25	0.158	0.0	1.0	0.0
lab*nch	0.0	0.0	0.25	0.842	1.0
lab*tr	0.0	0.0	0.0	0.25	0.158
lab*ce	0.0	0.0	0.0	0.0	0.25
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.5	0.592	0.75	1.0	0.0
lab*ch	0.25	0.0	0.25	0.0	1.0
lab*nch	0.0	0.0	0.0	0.25	0.0
lab*tr	0.0	0.0	0.0	0.0	0.25
lab*ce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.342	0.5	1.0	0.0
lab*ch	0.25	0.0	0.25	0.0	1.0
lab*nch	0.0	0.0	0.0	0.25	0.0
lab*tr	0.0	0.0	0.0	0.0	0.25
lab*ce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.0	0.092	0.25	1.0	0.0
lab*ch	0.0	0.0	0.0	0.0	1.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*tr	0.0	0.0	0.0	0.0	0.0
lab*ce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.842	1.0	0.0	0.0
lab*ch	0.25	0.158	0.0	1.0	0.0
lab*nch	0.0	0.0	0.25	0.842	1.0
lab*tr	0.0	0.0	0.0	0.25	0.158
lab*ce	0.0	0.0	0.0	0.0	0.25
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.5	0.592	0.75	1.0	0.0
lab*ch	0.25	0.0	0.25	0.0	1.0
lab*nch	0.0	0.0	0.0	0.25	0.0
lab*tr	0.0	0.0	0.0	0.0	0.25
lab*ce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.342	0.5	1.0	0.0
lab*ch	0.25	0.0	0.25	0.0	1.0
lab*nch	0.0	0.0	0.0	0.25	0.0
lab*tr	0.0	0.0	0.0	0.0	0.25
lab*ce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.0	0.092	0.25	1.0	0.0
lab*ch	0.0	0.0	0.0	0.0	1.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*tr	0.0	0.0	0.0	0.0	0.0
lab*ce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.5	0.684	1.0	0.0	0.0
lab*ch	0.25	0.316	0.0	1.0	0.0
lab*nch	0.0	0.0	0.25	0.684	1.0
lab*tr	0.0	0.0	0.0	0.25	0.316
lab*ce	0.0	0.0	0.0	0.0	0.25
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.434	0.75	1.0	0.0
lab*ch	0.25	0.0	0.25	0.0	1.0
lab*nch	0.0	0.0	0.0	0.25	0.0
lab*tr	0.0	0.0	0.0	0.0	0.25
lab*ce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.342	0.5	1.0	0.0
lab*ch	0.25	0.0	0.25	0.0	1.0
lab*nch	0.0	0.0	0.0	0.25	0.0
lab*tr	0.0	0.0	0.0	0.0	0.25
lab*ce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.0	0.184	0.5	1.0	0.0
lab*ch	0.0	0.0	0.0	0.0	1.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*tr	0.0	0.0	0.0	0.0	0.0
lab*ce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.25	0.526	1.0	0.0	0.0
lab*ch	0.25	0.0	0.25	0.0	1.0
lab*nch	0.0	0.0	0.0	0.25	0.0
lab*tr	0.0	0.0	0.0	0.0	0.25
lab*ce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.0	0.276	0.75	1.0	0.0
lab*ch	0.0	0.0	0.0	0.0	1.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*tr	0.0	0.0	0.0	0.0	0.0
lab*ce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.0	0.276	0.75	1.0	0.0
lab*ch	0.0	0.0	0.0	0.0	1.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*tr	0.0	0.0	0.0	0.0	0.0
lab*ce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.0	0.276	0.75	1.0	0.0
lab*ch	0.0	0.0	0.0	0.0	1.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*tr	0.0	0.0	0.0	0.0	0.0
lab*ce	0.0	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0	0.0

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,25

0,50

0,75

1,00

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton $271/360 = 0.754$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

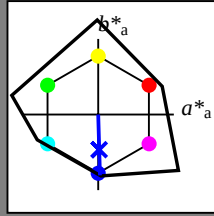
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

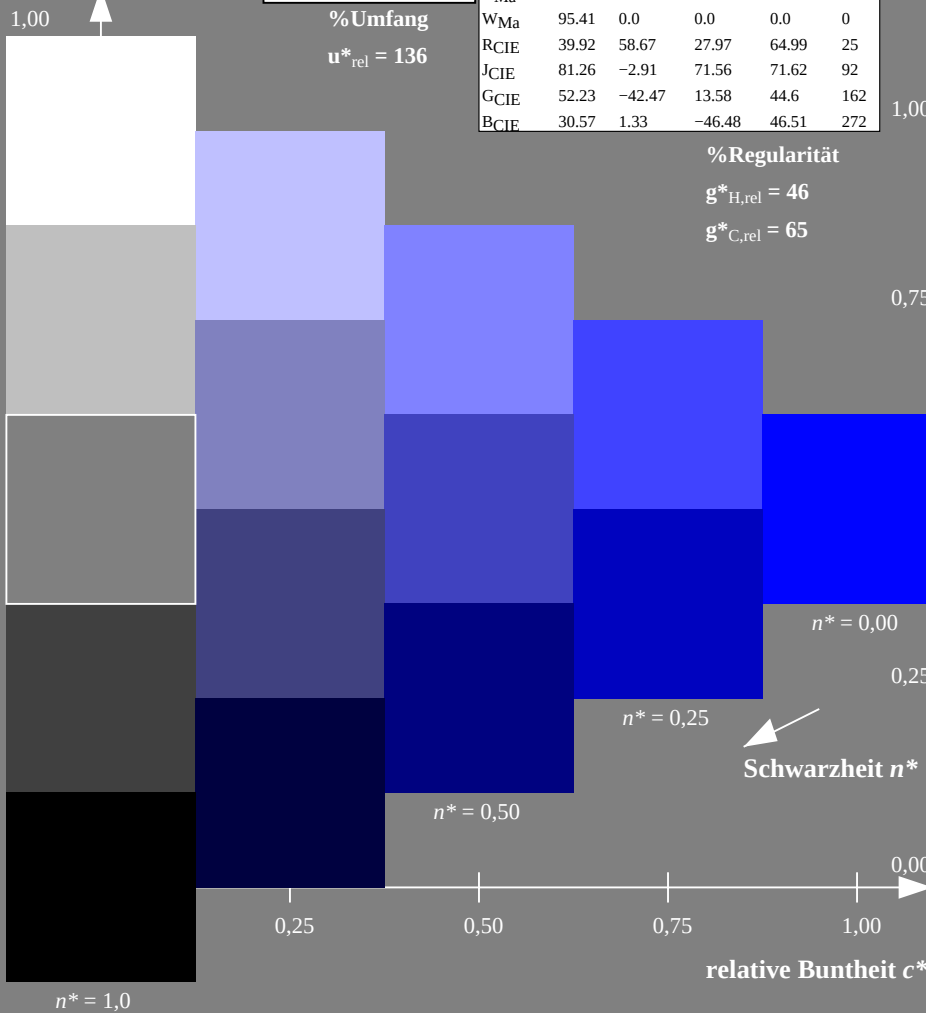
rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$



TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

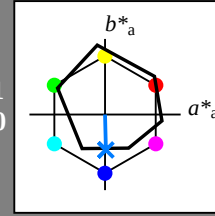
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

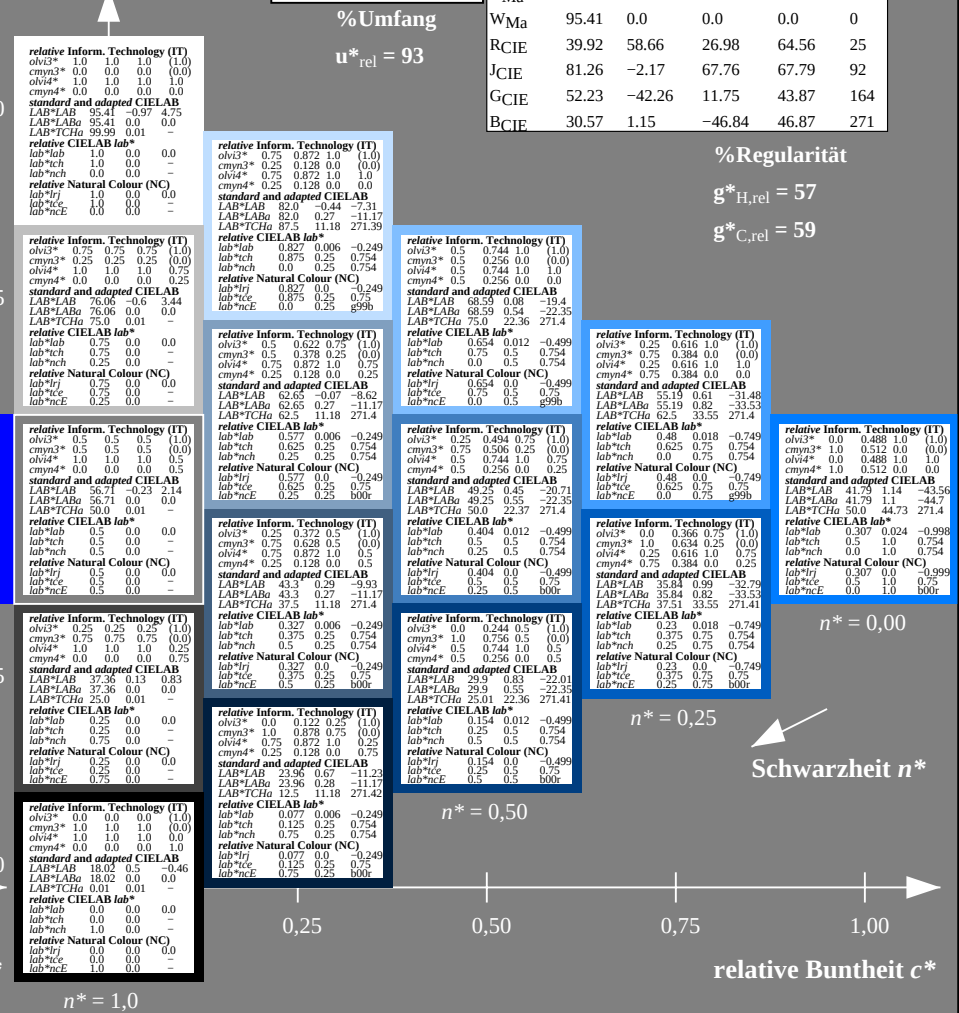
rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$



5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

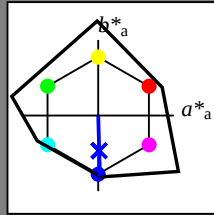
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.63	37.24	92.46	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 272/360 = 0.755$

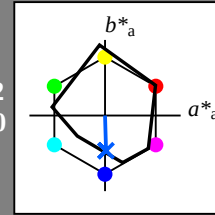
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	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
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

$n^* = 0,25$

0,00

$n^* = 0,50$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

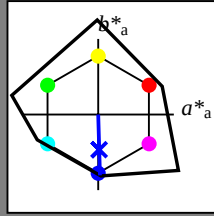
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

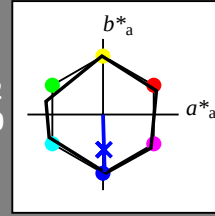
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$

NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
G _{Ma}	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

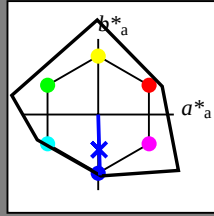
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

1,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

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0,75

0,50

0,25

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0,25

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↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

NCS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,75

1,00

relative Buntheit c^*

Ausgabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

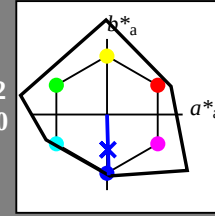
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

1,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

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0,75

0,50

0,25

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0,75

0,50

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0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

↑

0,75

0,50

0,25

0,00

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,75

1,00

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

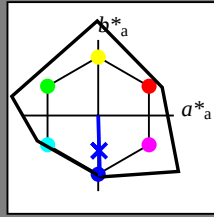
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

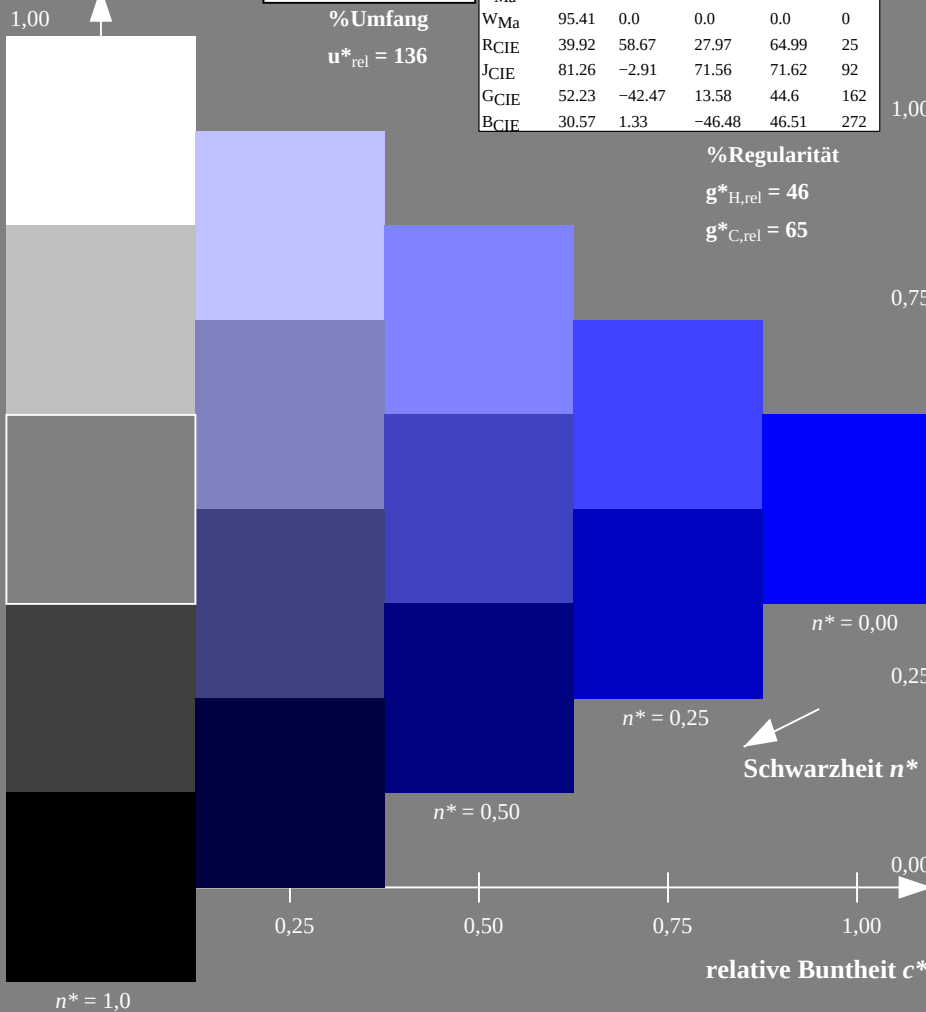
rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$



%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

Ausgabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

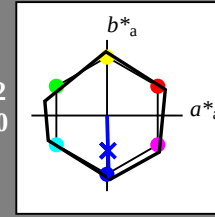
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

1,00

%Regularität

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

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relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

$n^* = 1,0$

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

relative Inform. Technology (IT)

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

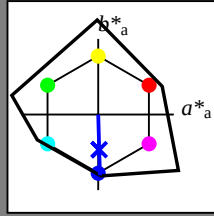
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

NCS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.06	167
G50B _{Ma}	59.47	-80.61	-33.45	87.28	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (links)

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

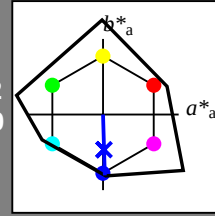
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

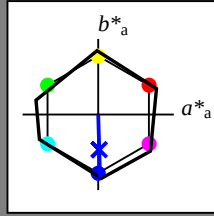
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten		$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24	
JMa	53.2	-1.51	84.38	84.39	91	
GMa	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	4.37	-84.28	84.41	273	
B50R _{Ma}	53.2	69.09	-48.41	84.37	325	
NMa	10.99	0.0	0.0	0.0	0	
WMa	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

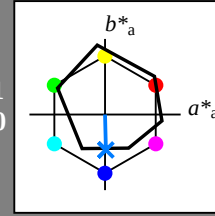
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	0.0	
LAB*LABb	95.41	0.0	0.0	0.0	
LAB*LABc	95.41	0.0	0.0	0.0	
LAB*LABd	95.41	0.0	0.0	0.0	
LAB*LABe	95.41	0.0	0.0	0.0	
LAB*LABf	95.41	0.0	0.0	0.0	
LAB*LABg	95.41	0.0	0.0	0.0	
LAB*LABh	95.41	0.0	0.0	0.0	
LAB*LABi	95.41	0.0	0.0	0.0	
LAB*LABj	95.41	0.0	0.0	0.0	
LAB*LABk	95.41	0.0	0.0	0.0	
LAB*LABl	95.41	0.0	0.0	0.0	
LAB*LABm	95.41	0.0	0.0	0.0	
LAB*LABn	95.41	0.0	0.0	0.0	
LAB*LABo	95.41	0.0	0.0	0.0	
LAB*LABp	95.41	0.0	0.0	0.0	
LAB*LABq	95.41	0.0	0.0	0.0	
LAB*LABr	95.41	0.0	0.0	0.0	
LAB*LABs	95.41	0.0	0.0	0.0	
LAB*LABt	95.41	0.0	0.0	0.0	
LAB*LABu	95.41	0.0	0.0	0.0	
LAB*LABv	95.41	0.0	0.0	0.0	
LAB*LABw	95.41	0.0	0.0	0.0	
LAB*LABx	95.41	0.0	0.0	0.0	
LAB*LABy	95.41	0.0	0.0	0.0	
LAB*LABz	95.41	0.0	0.0	0.0	

relative Inform. Technology (IT)					
olvi3*	0.75	0.872	1.0	(1.0)	
cmyn3*	0.25	0.128	0.0	(0.0)	
olvi4*	0.75	0.872	1.0	(1.0)	
cmyn4*	0.25	0.128	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	82.0	0.44	-7.31		
LAB*LABa	82.0	0.27	-11.17		
LAB*LABb	82.0	0.27	-11.17		
LAB*LABc	82.0	0.27	-11.17		
LAB*LABd	82.0	0.27	-11.17		
LAB*LABe	82.0	0.27	-11.17		
LAB*LABf	82.0	0.27	-11.17		
LAB*LABg	82.0	0.27	-11.17		
LAB*LABh	82.0	0.27	-11.17		
LAB*LABi	82.0	0.27	-11.17		
LAB*LABj	82.0	0.27	-11.17		
LAB*LABk	82.0	0.27	-11.17		
LAB*LABl	82.0	0.27	-11.17		
LAB*LABm	82.0	0.27	-11.17		
LAB*LABn	82.0	0.27	-11.17		
LAB*LABo	82.0	0.27	-11.17		
LAB*LABp	82.0	0.27	-11.17		
LAB*LABq	82.0	0.27	-11.17		
LAB*LABr	82.0	0.27	-11.17		
LAB*LABs	82.0	0.27	-11.17		
LAB*LABt	82.0	0.27	-11.17		
LAB*LABu	82.0	0.27	-11.17		
LAB*LABv	82.0	0.27	-11.17		
LAB*LABw	82.0	0.27	-11.17		
LAB*LABx	82.0	0.27	-11.17		
LAB*LABy	82.0	0.27	-11.17		
LAB*LABz	82.0	0.27	-11.17		

relative Inform. Technology (IT)					
olvi3*	0.5	0.622	0.75	(1.0)	
cmyn3*	0.5	0.378	0.25	(0.0)	
olvi4*	0.5	0.622	0.75	(1.0)	
cmyn4*	0.5	0.378	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	62.65	-0.07	-8.62		
LAB*LABa	62.65	0.27	-11.17		
LAB*LABb	62.65	0.27	-11.17		
LAB*LABc	62.65	0.27	-11.17		
LAB*LABd	62.65	0.27	-11.17		
LAB*LABe	62.65	0.27	-11.17		
LAB*LABf	62.65	0.27	-11.17		
LAB*LABg	62.65	0.27	-11.17		
LAB*LABh	62.65	0.27	-11.17		
LAB*LABi	62.65	0.27	-11.17		
LAB*LABj	62.65	0.27	-11.17		
LAB*LABk	62.65	0.27	-11.17		
LAB*LABl	62.65	0.27	-11.17		
LAB*LABm	62.65	0.27	-11.17		
LAB*LABn	62.65	0.27	-11.17		
LAB*LABo	62.65	0.27	-11.17		
LAB*LABp	62.65	0.27	-11.17		
LAB*LABq	62.65	0.27	-11.17		
LAB*LABr	62.65	0.27	-11.17		
LAB*LABs	62.65	0.27	-11.17		
LAB*LABt	62.65	0.27	-11.17		
LAB*LABu	62.65	0.27	-11.17		
LAB*LABv	62.65	0.27	-11.17		
LAB*LABw	62.65	0.27	-11.17		
LAB*LABx	62.65	0.27	-11.17		
LAB*LABy	62.65	0.27	-11.17		
LAB*LABz	62.65	0.27	-11.17		

relative Inform. Technology (IT)					
olvi3*	0.25	0.372	0.5	(1.0)	
cmyn3*	0.25	0.628	0.5	(0.0)	
olvi4*	0.25	0.372	0.5	(1.0)	
cmyn4*	0.25	0.628	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	49.25	0.45	-20.71		
LAB*LABa	49.25	0.55	-22.35		
LAB*LABb	49.25	0.55	-22.35		
LAB*LABc	49.25	0.55	-22.35		
LAB*LABd	49.25	0.55	-22.35		
LAB*LABe	49.25	0.55	-22.35		
LAB*LABf	49.25	0.55	-22.35		
LAB*LABg	49.25	0.55	-22.35		
LAB*LABh	49.25	0.55	-22.35		
LAB*LABi	49.25	0.55	-22.35		
LAB*LABj	49.25	0.55	-22.35		
LAB*LABk	49.25	0.55	-22.35		
LAB*LABl	49.25	0.55	-22.35		
LAB*LABm	49.25	0.55	-22.35		
LAB*LABn	49.25	0.55	-22.35		
LAB*LABo	49.25	0.55	-22.35		
LAB*LABp	49.25	0.55	-22.35		
LAB*LABq	49.25	0.55	-22.35		
LAB*LABr	49.25	0.55	-22.35		
LAB*LABs	49.25	0.55	-22.35		
LAB*LABt	49.25	0.55	-22.35		
LAB*LABu	49.25	0.55	-22.35		
LAB*LABv	49.25	0.55	-22.35		
LAB*LABw	49.25	0.55	-22.35		
LAB*LABx	49.25	0.55	-22.35		
LAB*LABy	49.25	0.55	-22.35		
LAB*LABz	49.25	0.55	-22.35		

relative Inform. Technology (IT)					
olvi3*	0.25	0.372	0.5	(1.0)	
cmyn3*	0.25	0.628	0.5	(0.0)	
olvi4*	0.25	0.372	0.5	(1.0)	
cmyn4*	0.25	0.628	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	43.3	0.29	-9.93		
LAB*LABa	43.3	0.27	-11.17		
LAB*LABb	43.3	0.27	-11.17		
LAB*LABc	43.3	0.27	-11.17		
LAB*LABd	43.3	0.27	-11.17		
LAB*LABe	43.3	0.27	-11.17		
LAB*LABf	43.3	0.27	-11.17		
LAB*LABg	43.3	0.27	-11.17		
LAB*LABh	43.3	0.27	-11.17		
LAB*LABi	43.3	0.27	-11.17		
LAB*LABj	43.3	0.27	-11.17		
LAB*LABk	43.3	0.27	-11.17		
LAB*LABl	43.3	0.27	-11.17		
LAB*LABm	43.3	0.27	-11.17		
LAB*LABn	43.3	0.27	-11.17		
LAB*LABo	43.3	0.27	-11.17		
LAB*LABp	43.3	0.27	-11.17		
LAB*LABq	43.3	0.27	-11.17		
LAB*LABr	43.3	0.27	-11.17		
LAB*LABs	43.3	0.27	-11.17		
LAB*LABt	43.3	0.27	-11.17		
LAB*LABu	43.3	0.27	-11.17		
LAB*LABv	43.3	0.27	-11.17		
LAB*LABw	43.3	0.27	-11.17		
LAB*LABx	43.3	0.27	-11.17		
LAB*LABy	43.3	0.27	-11.17		
LAB*LABz	43.3	0.27	-11.17		

relative Natural Colour (NC)				
lab*lrj	0.5	0.0	0.0	
lab*tce	0.5	0.0	0.0	-
lab*nce	0.5	0.0	0.0	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

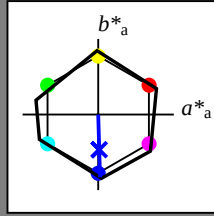
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

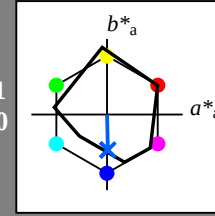
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 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
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 0,50$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton $271/360 = 0.754$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

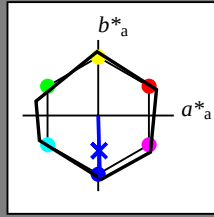
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NRS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

0,00

$n^* = 1,0$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

Ausgabe: Farbmetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

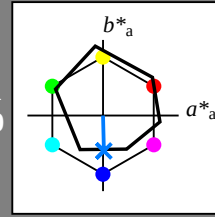
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



TRS18; 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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$n^* = 0,00$

0,25

$n^* = 0,25$

Schwarzheit n^*

$n^* = 0,50$

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

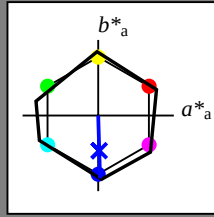
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
R _{Ma}	53.2	77.06	34.32	84.36	24	
J _{Ma}	53.2	-1.51	84.38	84.39	91	
G _{Ma}	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	4.37	-84.28	84.41	273	
B50R _{Ma}	53.2	69.09	-48.41	84.37	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 272/360 = 0.755$

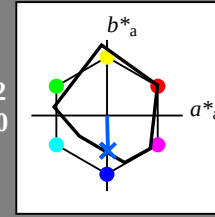
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	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	
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

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)

Eingabe: Farbmetrisches Reflexions-System NRS11

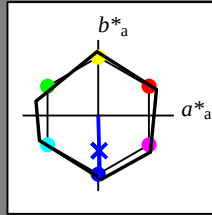
für Buntton $h^* = lab^*h = 272/360 = 0.755$ lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 119$

%Regelartit

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$ $n^* = 0,00$ $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$ $n^* = 1,0$ relative Buntheit c^*

NRS11; adaptierte CIELAB-Daten		$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24	
JMa	53.2	-1.51	84.38	84.39	91	
GMa	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	4.37	-84.28	84.41	273	
B50R _{Ma}	53.2	69.09	-48.41	84.37	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

Ausgabe: Farbmetrisches Reflexions-System NRS18

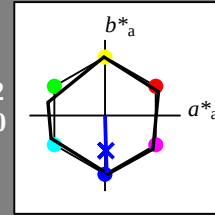
für Buntton $h^* = lab^*h = 272/360 = 0.755$ lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 76 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 100$

%Regelartit

 $g^*_{H,rel} = 47$ $g^*_{C,rel} = 100$ $n^* = 0,00$ $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$ $n^* = 0,50$ $n^* = 1,0$ relative Buntheit c^*

NRS18; adaptierte CIELAB-Daten		$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24	
JMa	56.7	-1.39	77.37	77.39	91	
GMa	56.7	-75.46	17.4	77.45	167	
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203	
B _{Ma}	56.7	4.0	-77.3	77.41	273	
B50R _{Ma}	56.7	63.35	-44.4	77.36	325	
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	

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	0.0		
cmyn4*	0.0	0.0	0.0	0.0		
standard and adapted CIELAB						
LAB*LAB	95.41	0.0	0.0			
LAB*LABa	95.41	0.0	0.0			
LAB*LABb	95.41	0.0	0.0			
LAB*LABc	95.41	0.0	0.0			
LAB*LABd	95.41	0.0	0.0			
LAB*LABe	95.41	0.0	0.0			
LAB*LABf	95.41	0.0	0.0			
LAB*LABg	95.41	0.0	0.0			
LAB*LABh	95.41	0.0	0.0			
LAB*LABi	95.41	0.0	0.0			
LAB*LABj	95.41	0.0	0.0			
LAB*LABk	95.41	0.0	0.0			
LAB*LABl	95.41	0.0	0.0			
LAB*LABm	95.41	0.0	0.0			
LAB*LABn	95.41	0.0	0.0			
LAB*LABo	95.41	0.0	0.0			
LAB*LABp	95.41	0.0	0.0			
LAB*LABq	95.41	0.0	0.0			
LAB*LABr	95.41	0.0	0.0			
LAB*LABs	95.41	0.0	0.0			
LAB*LABt	95.41	0.0	0.0			
LAB*LABu	95.41	0.0	0.0			
LAB*LABv	95.41	0.0	0.0			
LAB*LABw	95.41	0.0	0.0			
LAB*LABx	95.41	0.0	0.0			
LAB*LABy	95.41	0.0	0.0			
LAB*LABz	95.41	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	0.0		
cmyn4*	0.0	0.0	0.0	0.25		
standard and adapted CIELAB						
LAB*LAB	76.07	0.0	0.0			
LAB*LABa	76.07	0.0	0.0			
LAB*LABb	76.07	0.0	0.0			
LAB*LABc	76.07	0.0	0.0			
LAB*LABd	76.07	0.0	0.0			
LAB*LABe	76.07	0.0	0.0			
LAB*LABf	76.07	0.0	0.0			
LAB*LABg	76.07	0.0	0.0			
LAB*LABh	76.07	0.0	0.0			
LAB*LABi	76.07	0.0	0.0			
LAB*LABj	76.07	0.0	0.0			
LAB*LABk	76.07	0.0	0.0			
LAB*LABl	76.07	0.0	0.0			
LAB*LABm	76.07	0.0	0.0			
LAB*LABn	76.07	0.0	0.0			
LAB*LABo	76.07	0.0	0.0			
LAB*LABp	76.07	0.0	0.0			
LAB*LABq	76.07	0.0	0.0			
LAB*LABr	76.07	0.0	0.0			
LAB*LABs	76.07	0.0	0.0			
LAB*LABt	76.07	0.0	0.0			
LAB*LABu	76.07	0.0	0.0			
LAB*LABv	76.07	0.0	0.0			
LAB*LABw	76.07	0.0	0.0			
LAB*LABx	76.07	0.0	0.0			
LAB*LABy	76.07	0.0	0.0			
LAB*LABz	76.07	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	0.5		
cmyn4*	0.0	0.0	0.0	0.5		
standard and adapted CIELAB						
LAB*LAB	56.72	0.0	0.0			
LAB*LABa	56.72	0.0	0.0			
LAB*LABb	56.72	0.0	0.0			
LAB*LABc	56.72	0.0	0.0			
LAB*LABd	56.72	0.0	0.0			
LAB*LABe	56.72	0.0	0.0			
LAB*LABf	56.72	0.0	0.0			
LAB*LABg	56.72	0.0	0.0			
LAB*LABh	56.72	0.0	0.0			
LAB*LABi	56.72	0.0	0.0			
LAB*LABj	56.72	0.0	0.0			
LAB*LABk	56.72	0.0	0.0			
LAB*LABl	56.72	0.0	0.0			
LAB*LABm	56.72	0.0	0.0			
LAB*LABn	56.72	0.0	0.0			
LAB*LABo	56.72	0.0	0.0			
LAB*LABp	56.72	0.0	0.0			
LAB*LABq	56.72	0.0	0.0			
LAB*LABr	56.72	0.0	0.0			
LAB*LABs	56.72	0.0	0.0			
LAB*LABt	56.72	0.0	0.0			
LAB*LABu	56.72	0.0	0.0			
LAB*LABv	56.72	0.0	0.0			
LAB*LABw	56.72	0.0	0.0			
LAB*LABx	56.72	0.0	0.0			
LAB*LABy	56.72	0.0	0.0			
LAB*LABz	56.72	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	0.25		
cmyn4*	0.0	0.0	0.0	0.25		
standard and adapted CIELAB						
LAB*LAB	37.37	0.0	0.0			
LAB*LABa	37.37	0.0	0.0			
LAB*LABb	37.37	0.0	0.0			
LAB*LABc	37.37	0.0	0.0			
LAB*LABd	37.37	0.0	0.0			
LAB*LABe	37.37	0.0	0.0			
LAB*LABf	37.37	0.0	0.0			
LAB*LABg	37.37	0.0	0.0			
LAB*LABh	37.37	0.0	0.0			
LAB*LABi	37.37	0.0	0.0			
LAB*LABj	37.37	0.0	0.0			
LAB*LABk	37.37	0.0	0.0			
LAB*LABl	37.37	0.0	0.0			
LAB*LABm	37.37	0.0	0.0			
LAB*LABn	37.37	0.0	0.0			
LAB*LABo	37.37	0.0	0.0			
LAB*LABp	37.37	0.0	0.0			
LAB*LABq	37.37	0.0	0.0			
LAB*LABr	37.37	0.0	0.0			
LAB*LABs	37.37	0.0	0.0			
LAB*LABt	37.37	0.0	0.0			
LAB*LABu	37.37	0.0	0.0			
LAB*LABv	37.37	0.0	0.0			
LAB*LABw	37.37	0.0	0.0			
LAB*LABx	37.37	0.0	0.0			
LAB*LABy	37.37	0.0	0.0			
LAB*LABz	37.37	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	0.0	
cmyn4*	0.0	0.0	0.0	1.0	
standard and adapted CIELAB					
LAB*LAB	18.02	0.09	0.02		
LAB*LABa	18.02	0.0	0.0		
LAB*LABb	18.02	0.0	0.01		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0	0.0	
lab*lab*	0.0	0.0	0.0	-	
lab*labch	1.0	0.0	0.0	-	
relative Natural Colour (NC)					
lab*nrj	0.0	0.0	0.0	0.0	
lab*nr*	0.0	0.0	0.0	-	
lab*nrch	1.0	0.0	0.0	-	

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (links)

Eingabe: Farbmimetrisches Reflexions-System NRS11

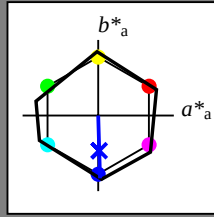
für Buntton $h^* = \text{lab}^*h = 272/360 = 0.755$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

NRS11; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	53.2	77.06	34.32	84.36	24	
JMa	53.2	-1.51	84.38	84.39	91	
GMa	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	4.37	-84.28	84.41	273	
B50R _{Ma}	53.2	69.09	-48.41	84.37	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS11

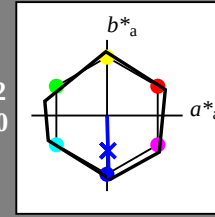
für Buntton $h^* = \text{lab}^*h = 272/360 = 0.755$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{\text{rel}} = 119$

NRS11; adaptierte CIELAB-Daten						
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	53.2	77.06	34.32	84.36	24	
JMa	53.2	-1.51	84.38	84.39	91	
GMa	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	4.37	-84.28	84.41	273	
B50R _{Ma}	53.2	69.09	-48.41	84.37	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

 $g^*_{H,\text{rel}} = 47$ $g^*_{C,\text{rel}} = 100$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ Schwarzheit n^* $n^* = 0,50$

0,00

relative Buntheit c^* $n^* = 1,0$ 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

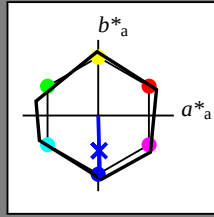
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten		$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24	
JMa	53.2	-1.51	84.38	84.39	91	
GMa	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	4.37	-84.28	84.41	273	
B50R _{Ma}	53.2	69.09	-48.41	84.37	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1,00

0,75

0,25

0,00

relative Buntheit c^*

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Schwarzheit n^*

Ausgabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

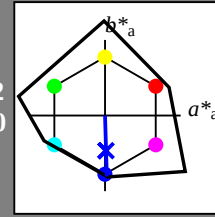
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten		$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24	
JMa	91.37	-1.27	125.03	125.03	91	
G _{Ma}	63.07	-114.28	25.35	117.06	167	
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203	
B _{Ma}	49.01	3.65	-81.19	81.28	273	
B50R _{Ma}	44.06	106.09	-73.93	129.32	325	
N _{Ma}	10.99	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
RCIE	39.92	58.69	27.98	65.01	25	
JCIE	81.26	-2.9	71.56	71.62	92	
GCIE	52.23	-42.45	13.59	44.59	162	
BCIE	30.57	1.35	-46.48	46.51	272	

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

0,25

0,00

$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Schwarzheit n^*

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

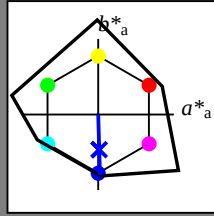
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

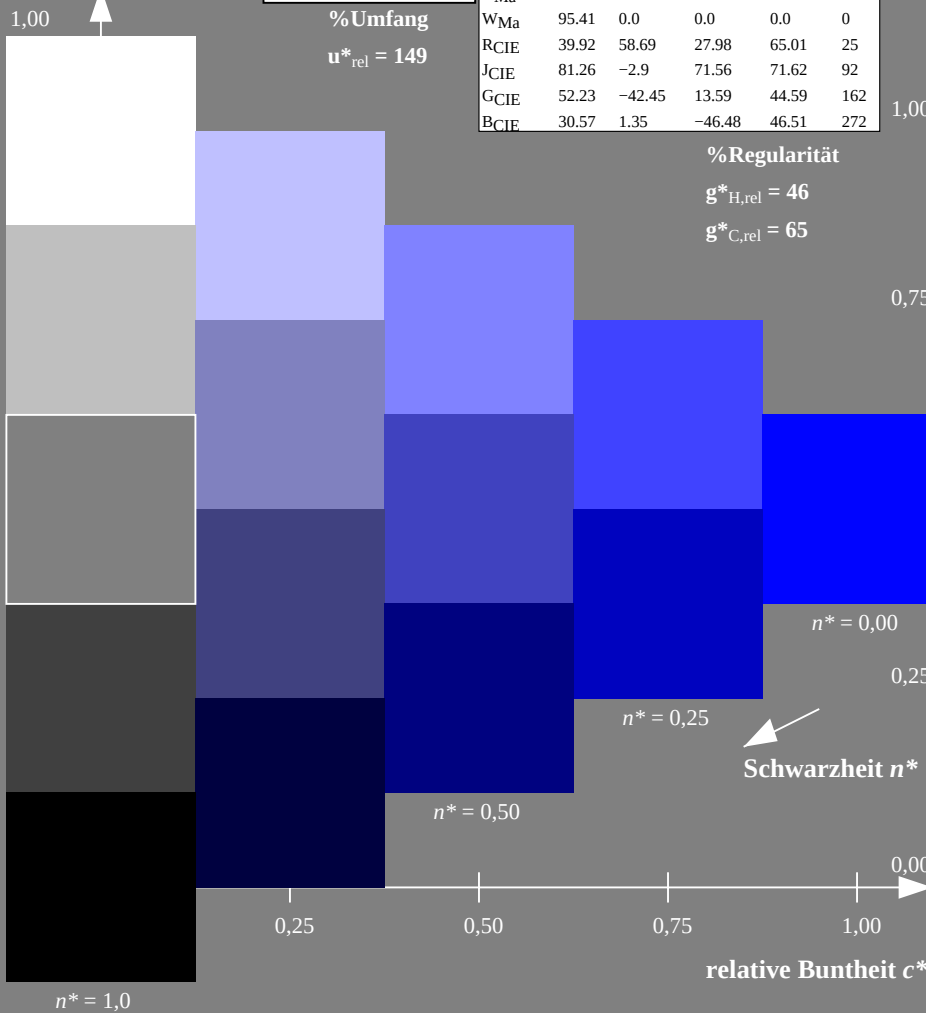
rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$



$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Schwarzheit n^*

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

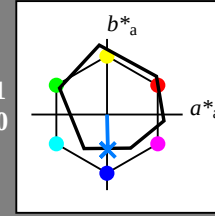
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

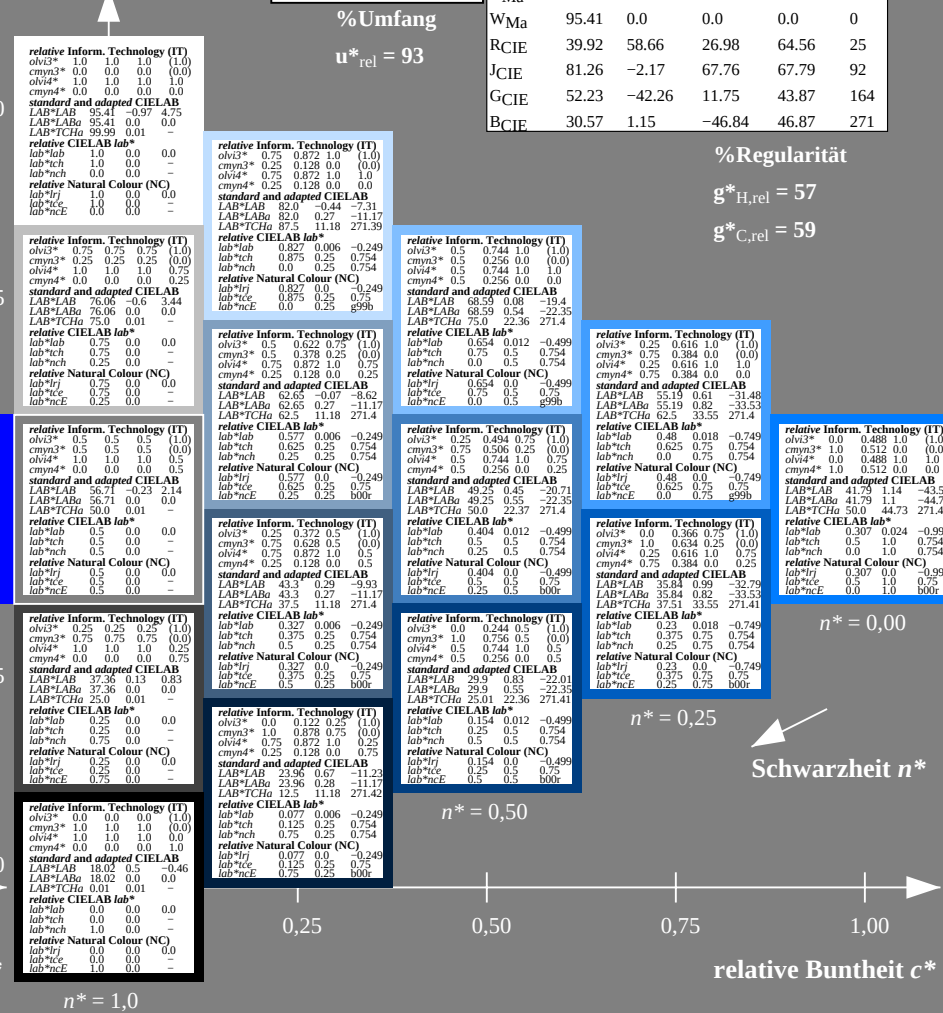
rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$



$n^* = 1,0$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

Schwarzheit n^*

relative Buntheit c^*

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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relative Inform. Technology (IT)

relative CIELAB lab*

relative Natural Colour (NC)

standard and adapted CIELAB

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relative Inform. Technology (IT)

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Eingabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

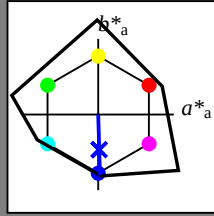
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

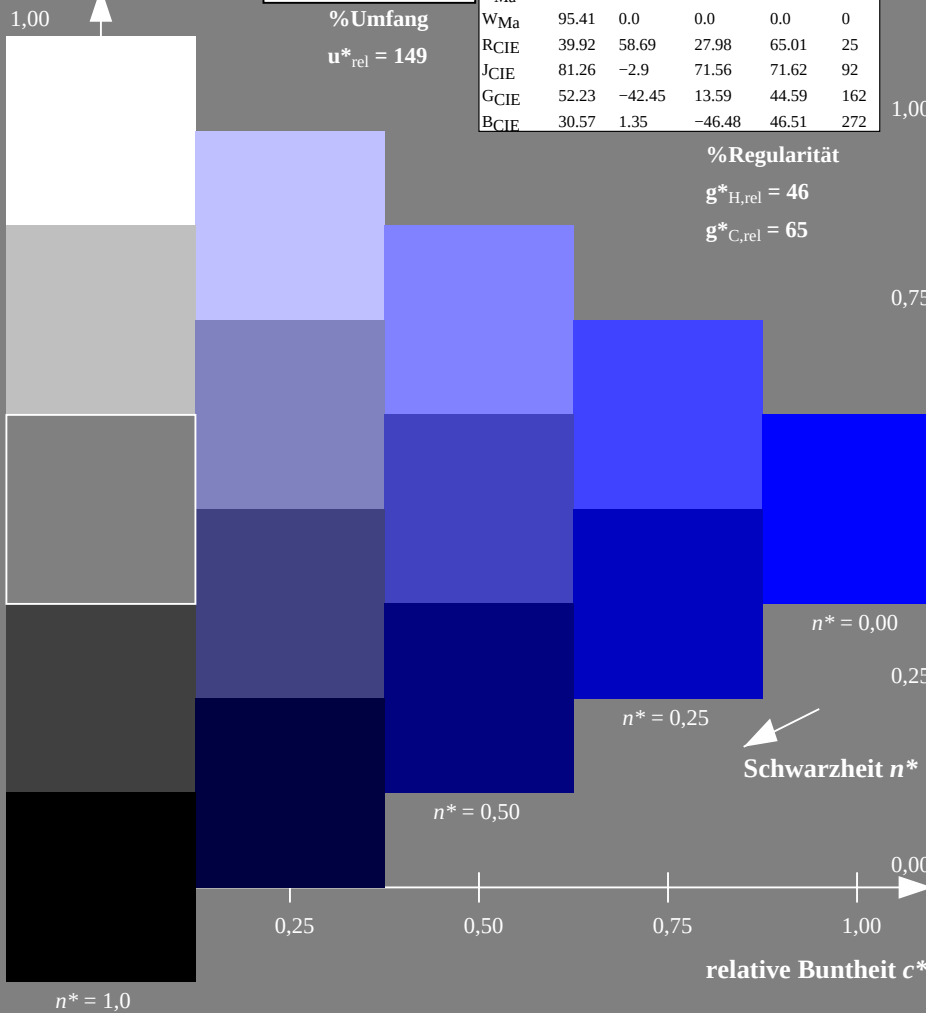
rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$



TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (links)

Ausgabe: Farbmimetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

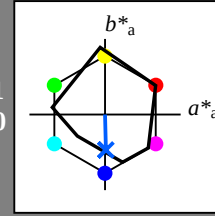
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

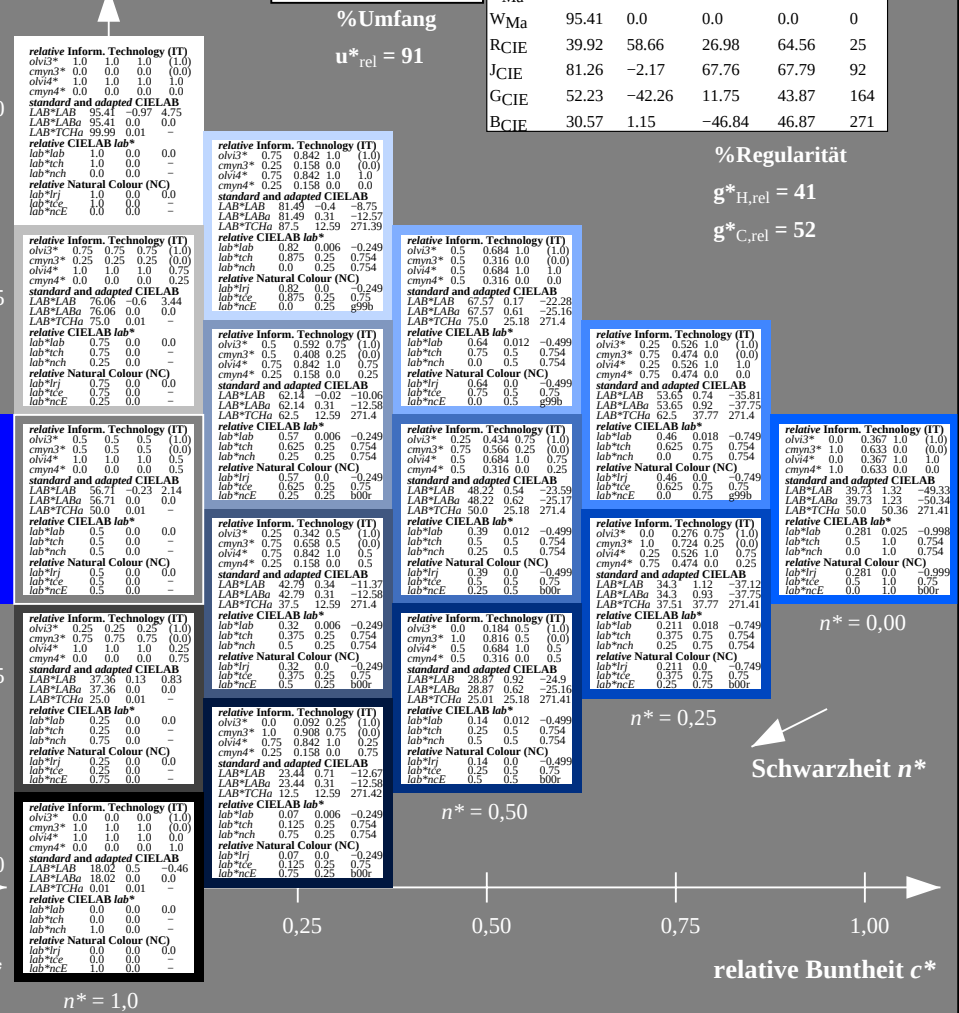
rgb*Ma: 0.0 0.37 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 91$



5 stufige Reihen für konstanten CIELAB Buntton $271/360 = 0.754$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

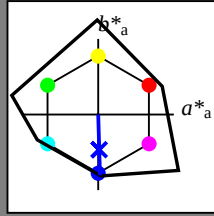
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regulartät

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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Ausgabe: Farbmimetrisches Reflexions-System TRS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

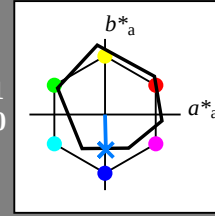
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

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TRS18; 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

%Regulartät

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

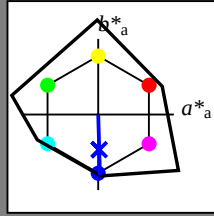
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

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NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	47.15	84.64	37.25	92.48	24
J _{Ma}	91.37	-1.27	125.03	125.03	91
G _{Ma}	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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Ausgabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 272/360 = 0.755$

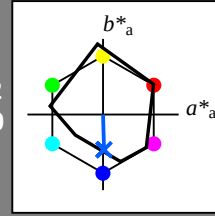
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 92$

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MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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
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

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

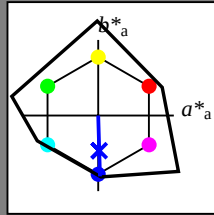
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

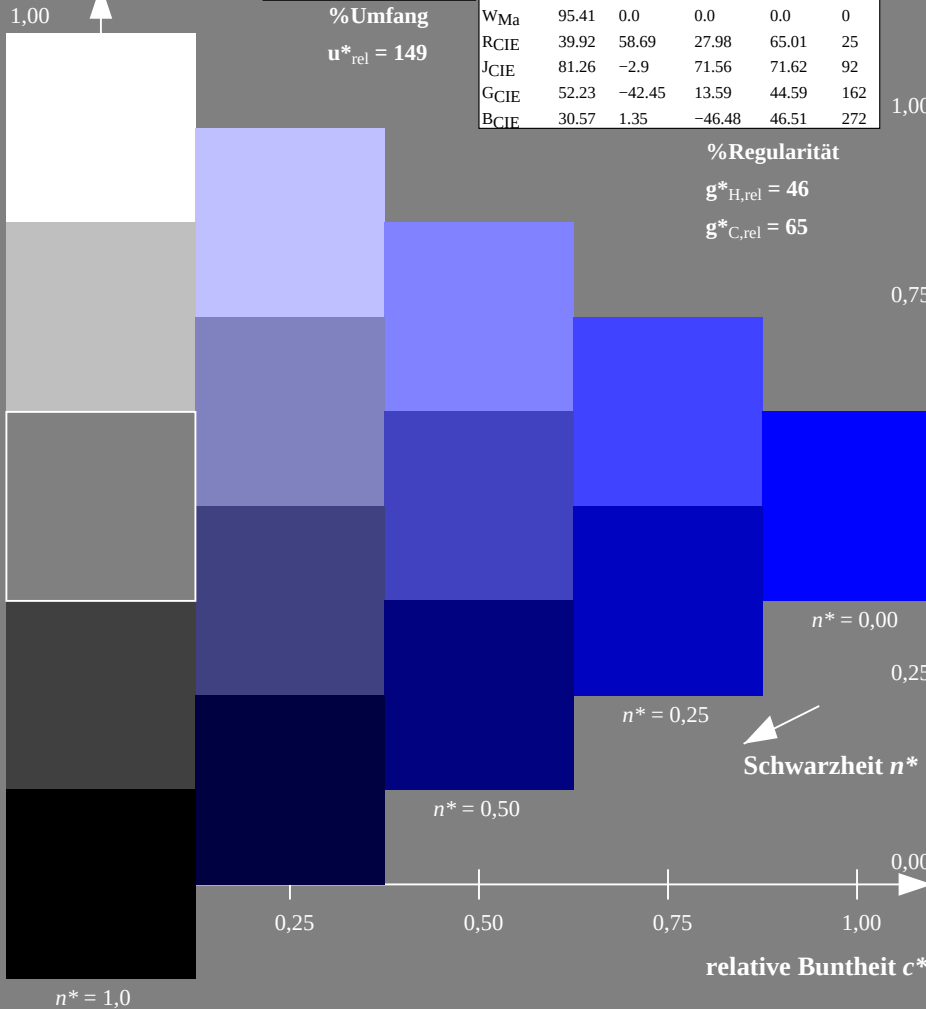
rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$



TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

Ausgabe: Farbmimetrisches Reflexions-System NRS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

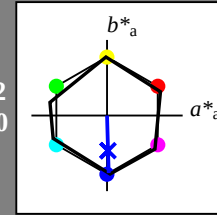
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 76 272

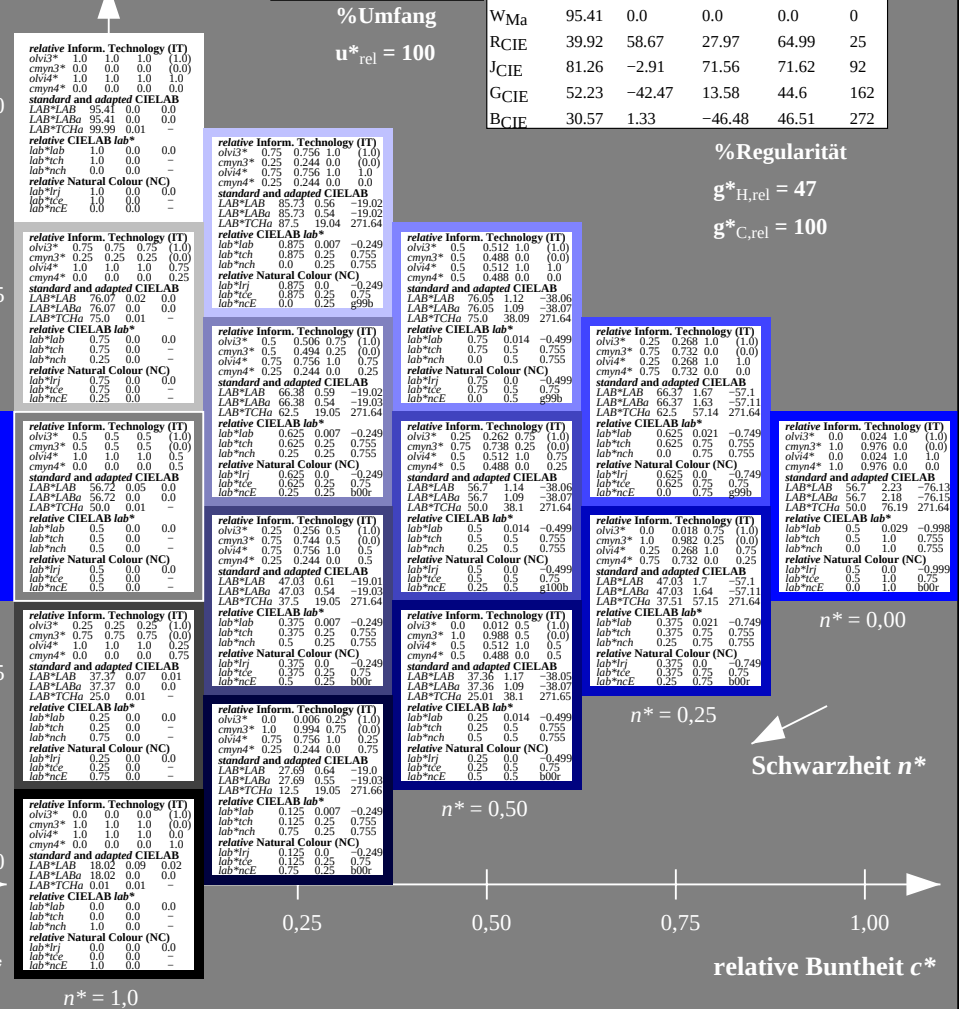
rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 100$



5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

NCS11; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	1.0	0.0	0.0	0.0	0.0
lab*nch	0.0	1.0	0.0	0.0	0.0
lab*lab	0.0	0.0	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0	1.0	0.0
lab*lab	0.0	0.0	0.0	0.0	1.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

NRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.66	31.47	77.35	24
JMa	56.7	-1.39	77.37	77.39	91
GMa	56.7	-75.46	17.4	77.45	167
G50B _{Ma}	56.7	-71.29	-30.25	77.45	203
B _{Ma}	56.7	4.0	-77.3	77.41	273
B50R _{Ma}	56.7	63.35	-44.4	77.36	325
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

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)					
	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
lab*lab	0.75	0.75	0.75	0.75	0.75
lab*nch	0.25	0.25	0.25	0.25	0.25
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0	0.0	0.0

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

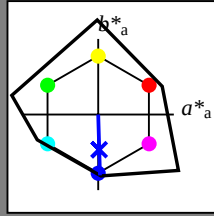
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$

NCS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

relative Buntheit c^*

$n^* = 1,0$

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (links)

Ausgabe: Farbmetrisches Reflexions-System NCS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

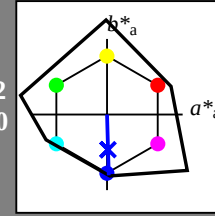
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 136$

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$	$olvi7^*$
standard and adapted CIELAB	0.0	0.0	0.0	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0	0.0

$n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)

NCS18; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.63	37.24	92.46	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.29	25.34	117.07	167
G50B _{Ma}	59.47	-80.61	-33.45	87.29	203
B _{Ma}	49.01	3.63	-81.2	81.29	273
B50R _{Ma}	44.06	106.07	-73.94	129.31	325
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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

$n^* = 1,0$

Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

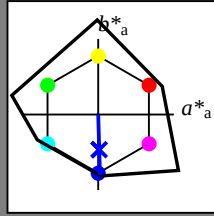
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

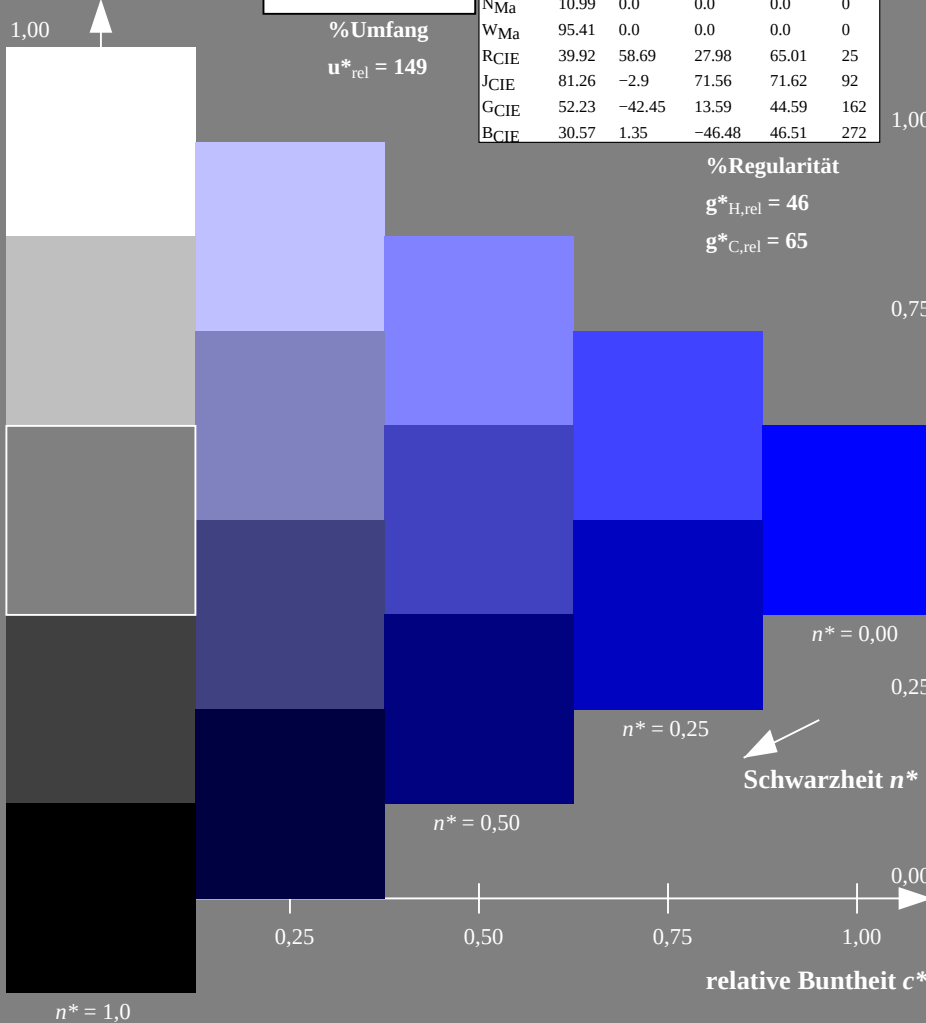
rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 149$



$n^* = 1,0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

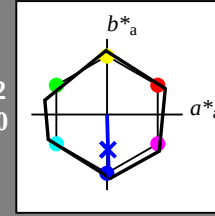
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 53 83 272

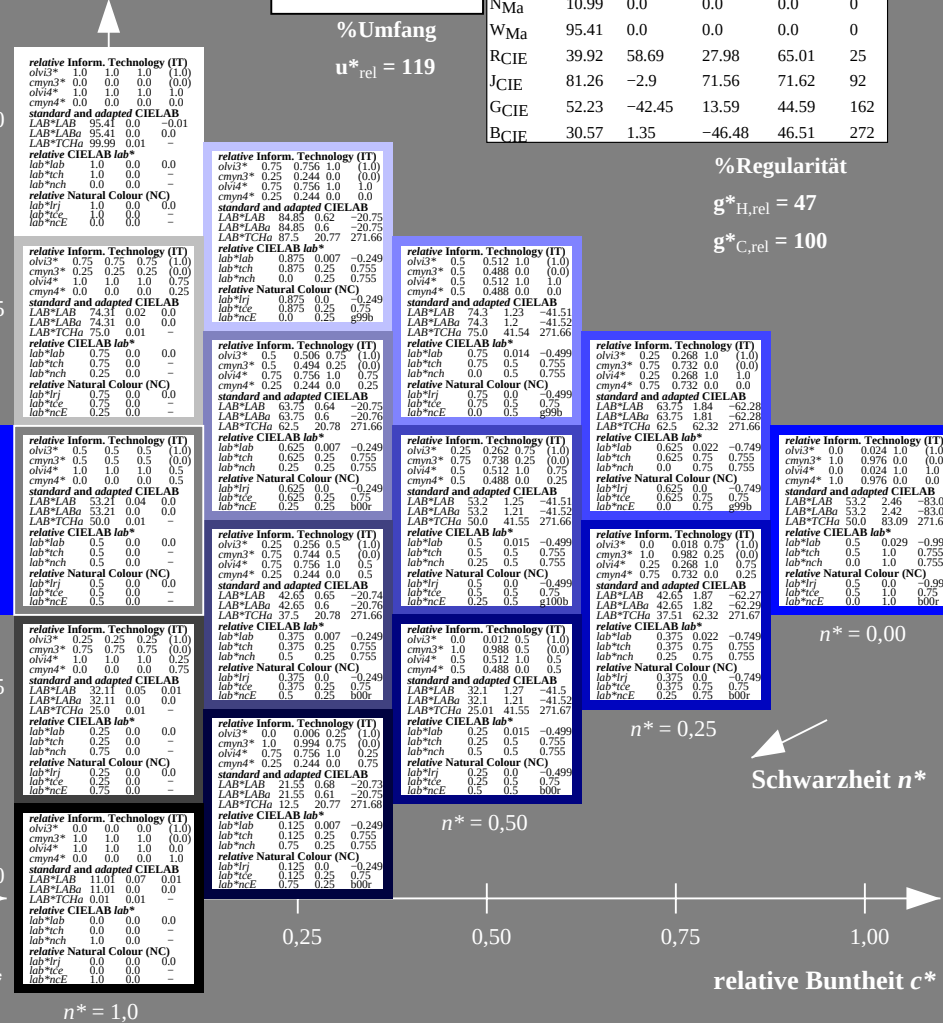
rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$



$n^* = 1,0$

relative Buntheit c^*

NCS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regelartit

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regelartit

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

Schwarzheit n^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (links)

5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)

Eingabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

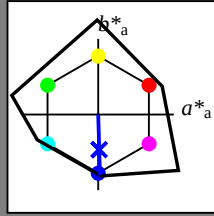
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

Ausgabe: Farbmimetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 272/360 = 0.755$

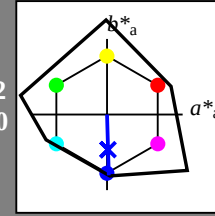
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 80 272

rgb*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit



NCS11; adaptierte CIELAB-Daten	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

relative Buntheit c^*

TG400-7, 5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (links)

5 stufige Reihen für konstanten CIELAB Buntton $272/360 = 0.755$ (rechts)