

Eingabe: Farbmatisches Reflexions-System ORS18

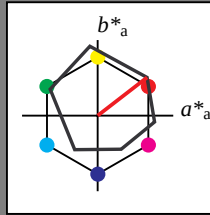
für Buntton $h^* = lab^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

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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
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: Farbmatisches Reflexions-System MRS18

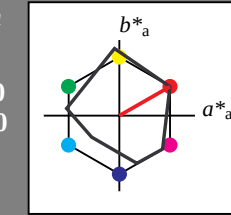
für Buntton $h^* = lab^*h = 30/360 = 0.083$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

1,00

0,75

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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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Eingabe: Farbmatisches Reflexions-System ORS18

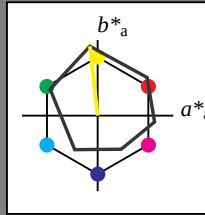
für Buntton $h^* = lab^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



ORS18; adaptierte CIELAB-Daten

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

%Regularität

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

1,00

0,75

 $n^* = 0,00$

0,25

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

0,00

relative Buntheit c^*

UG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

BAM-Prüfvorlage UG40; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Ausgabe: Farbmatisches Reflexions-System MRS18

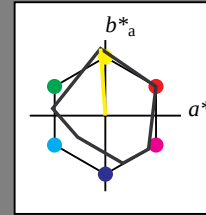
für Buntton $h^* = lab^*h = 94/360 = 0.261$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%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

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$ $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$

0,25

0,50

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.261 (rechts)

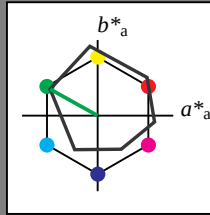
Eingabe: Farbmatisches Reflexions-System ORS18

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

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

Dreiecks-Helligkeit

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)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	1.0	1.0	1.0	1.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB	LAB^*LAB	LAB^*LAb	LAB^*TCha
0.0	56.71	0.0	0.0
0.25	56.71	0.0	0.0
0.5	56.71	0.0	0.0
0.75	56.71	0.0	0.0
1.0	56.71	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.5	0.5	0.5	0.5
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB	LAB^*LAB	LAB^*LAb	LAB^*TCha
0.0	56.71	0.0	0.0
0.25	56.71	0.0	0.0
0.5	56.71	0.0	0.0
0.75	56.71	0.0	0.0
1.0	56.71	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	$olvi3^*$	$olvi4^*$	$olvi5^*$	$olvi6^*$
0.0	0.0	0.0	0.0	0.0
0.25	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0
0.75	0.0	0.0	0.0	0.0
1.0	0.			

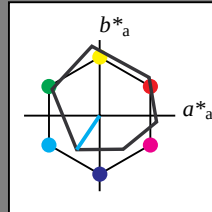
Eingabe: Farbmimetrisches Reflexions-System ORS18

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

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

Dreiecks-Helligkeit

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)	lab^*tch	lab^*nch
olvi3*	1.0 1.0 1.0 (1.0)	0.0 0.0 0.0 (0.0)
cmyn3*	0.0 0.0 0.0 (0.0)	1.0 1.0 1.0 (1.0)
olvi4*	1.0 1.0 1.0 (1.0)	0.0 0.0 0.0 (0.0)
cmyn4*	0.0 0.0 0.0 (0.0)	1.0 1.0 1.0 (1.0)

standard and adapted CIELAB	lab^*tch	lab^*nch
LAB*LAB	95.41 -0.97 4.75	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

relative CIELAB lab*	lab^*tch	lab^*nch
lab*lab	1.0 0.0 0.0	0.0 0.0 0.0
lab*tch	1.0 0.0 0.0	0.0 0.0 0.0
lab*nch	0.0 0.0 0.0	1.0 0.0 0.0

relative Natural Colour (NC)	lab^*tch	lab^*nch
lab*trj	1.0 0.0 0.0	0.0 0.0 0.0
lab*tce	1.0 0.0 0.0	0.0 0.0 0.0
lab*nce	0.0 0.0 0.0	1.0 0.0 0.0

relative Inform. Technology (IT)	lab^*tch	lab^*nch
olvi3*	0.75 0.75 0.75 (1.0)	0.0 0.0 0.0 (0.0)
cmyn3*	0.25 0.25 0.25 (0.0)	1.0 1.0 1.0 (1.0)
olvi4*	1.0 1.0 1.0 (1.0)	0.0 0.0 0.0 (0.0)
cmyn4*	0.0 0.0 0.0 (0.0)	1.0 1.0 1.0 (1.0)

standard and adapted CIELAB	lab^*tch	lab^*nch
LAB*LAB	76.06 -0.6 3.44	0.0 0.0 0.0
LAB*LABa	76.06 0.0 0.0	0.0 0.0 0.0
LAB*LABb	76.06 0.0 0.0	0.0 0.0 0.0

relative CIELAB lab*	lab^*tch	lab^*nch
lab*lab	0.75 0.0 0.0	0.0 0.0 0.0
lab*tch	0.75 0.0 0.0	0.0 0.0 0.0
lab*nch	0.0 0.0 0.0	0.75 0.0 0.0

relative Natural Colour (NC)	lab^*tch	lab^*nch
lab*trj	0.75 0.0 0.0	0.0 0.0 0.0
lab*tce	0.75 0.0 0.0	0.0 0.0 0.0
lab*nce	0.0 0.0 0.0	0.75 0.0 0.0

relative Inform. Technology (IT)	lab^*tch	lab^*nch
olvi3*	0.5 0.5 0.5 (1.0)	0.0 0.0 0.0 (0.0)
cmyn3*	0.5 0.5 0.5 (0.0)	1.0 1.0 1.0 (1.0)
olvi4*	1.0 1.0 1.0 (1.0)	0.0 0.0 0.0 (0.0)
cmyn4*	0.0 0.0 0.0 (0.0)	1.0 1.0 1.0 (1.0)

standard and adapted CIELAB	lab^*tch	lab^*nch
LAB*LAB	56.71 -0.23 2.14	0.0 0.0 0.0
LAB*LABa	56.71 0.0 0.0	0.0 0.0 0.0
LAB*LABb	56.71 0.0 0.0	0.0 0.0 0.0

relative CIELAB lab*	lab^*tch	lab^*nch
lab*lab	0.5 0.0 0.0	0.0 0.0 0.0
lab*tch	0.5 0.0 0.0	0.0 0.0 0.0
lab*nch	0.0 0.0 0.0	0.5 0.0 0.0

relative Natural Colour (NC)	lab^*tch	lab^*nch
lab*trj	0.5 0.0 0.0	0.0 0.0 0.0
lab*tce	0.5 0.0 0.0	0.0 0.0 0.0
lab*nce	0.0 0.0 0.0	0.5 0.0 0.0

 $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,00$ $n^* = 1,0$ relative Buntheit c^*

UG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

BAM-Prüfvorlage UG40; Farbmimetrik-Systeme ORS18 & ORS18

input: $cmY0^* setcmykcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

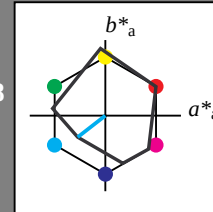
Ausgabe: Farbmimetrisches Reflexions-System MRS18

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

1,00



% Umfang

 $u^*_{rel} = 91$

MRS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
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)	lab^*tch	lab^*nch
olvi3*	0.75 1.0 1.0 (1.0)	0.0 0.0 0.0 (0.0)
cmyn3*	0.25 0.0 0.0 (0.0)	1.0 1.0 1.0 (1.0)
olvi4*	0.75 1.0 1.0 (1.0)	0.0 0.0 0.0 (0.0)
cmyn4*	0.25 0.0 0.0 (0.0)	1.0 1.0 1.0 (1.0)

standard and adapted CIELAB	lab^*tch	lab^*nch
LAB*LAB	82.81 -9.87 -3.2	0.0 0.0 0.0
LAB*LABa	82.81 -9.13 -7.11	0.0 0.0 0.0
LAB*LABb	82.81 11.58 217.91	0.0 0.0 0.0

relative CIELAB lab*	lab^*tch	lab^*nch
lab*lab	0.75 0.0 0.0	0.0 0.0 0.0
lab*tch	0.75 0.0 0.0	0.0 0.0 0.0
lab*nch	0.0 0.0 0.0	0.75 0.0 0.0

relative Natural Colour (NC)	lab^*tch	lab^*nch
lab*trj	0.75 0.0 0.0	0.0 0.0 0.0
lab*tce	0.75 0.0 0.0	0.0 0.0 0.0
lab*nce	0.0 0.0 0.0	0.75 0.0 0.0

relative Inform. Technology (IT)	lab^*tch	lab^*nch
olvi3*	0.5 0.5 0.5 (1.0)	0.0 0.0 0.0 (0.0)
cmyn3*	0.5 0.5 0.5 (0.0)	1.0 1.0 1.0 (1.0)
olvi4*	1.0 1.0 1.0 (1.0)	0.0 0.0 0.0 (0.0)
cmyn4*	0.0 0.0 0.0 (0.0)	1.0 1.0 1.0 (1.0)

standard and adapted CIELAB	lab^*tch	lab^*nch
LAB*LAB	70.21 -18.77 -11.17	0.0 0.0 0.0
LAB*LABa	70.21 -18.27 -14.23	0.0 0.0 0.0
LAB*LABb	70.21 23.17 217.91	0.0 0.0 0.0

relative CIELAB lab*	lab^*tch	lab^*nch
lab*lab	0.674 -0.393 -0.306	0.0 0.0 0.0
lab*tch	0.674 -0.393 -0.306	0.0 0.0 0.0
lab*nch	0.0 0.0 0.0	0.674 -0.393 -0.306

relative Natural Colour (NC)	lab^*tch	lab^*nch
lab*trj	0.674 -0.393 -0.306	0.0 0.0 0.0
lab*tce	0.674 -0.393 -0.306	0.0 0.0 0.0
lab*nce	0.0 0.0 0.0	0.674 -0.393 -0.306

relative Inform. Technology (IT)	lab^*tch	lab^*nch
olvi3*	0.25 0.75 0.75 (1.0)	0.0 0.0 0.0 (0.0)
cmyn3*	0.75 0.25 0.25 (0.0)	1.0 1.0 1.0 (1.0)
olvi4*	0.5 1.0 1.0 (0.75)	0.0 0.0 0.0 (0.0)
cmyn4*	0.5 0.0 0.0 (0.25)	1.0 1.0 1.0 (0.75)

standard and adapted CIELAB	lab^*tch	lab^*nch
LAB*LAB	50.87 -18.4 -12.48	0.0 0.0 0.0
LAB*LABa	50.87 -18.28 -14.23	0.0 0.0 0.0
LAB*LABb	50.87 23.17 217.91	0.0 0.0 0.0

relative CIELAB lab*	lab^*tch	lab^*nch
lab*lab	0.425 -0.353 -0.352	0.0 0.0 0.0
lab*tch	0.425 -0.353 -0.352	0.0 0.0 0.0
lab*nch	0.0 0.0 0.0	0.425 -0.353 -0.352

 $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ $n^* = 0,75$ $n^* = 1,00$ $n^* = 1,0$ relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (rechts)

BAM-Material: Code=rha4ta

Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen

10 Bunttöneoutput: *Startup (S)* data dependend

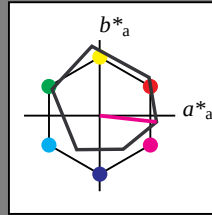
Eingabe: Farbmatisches Reflexions-System ORS18

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

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

Dreiecks-Helligkeit

1,00



% Umfang

 $u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
GMa	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	-0.97	4.75	
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	
lab*trj	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*tch	1.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.6	3.44	
LAB*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	0.0	0.0	0.0	
lab*trj	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*tch	0.75	0.0	0.0	
lab*nch	0.0	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	0.23	2.14	
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	0.0	0.0	0.0	
lab*trj	0.5	0.0	0.0	
relative Natural Colour (NC)				
lab*tch	0.5	0.0	0.0	
lab*nch	0.0	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	0.0	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	0.0	0.0	0.0	
lab*trj	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*tch	0.25	0.0	0.0	
lab*nch	0.0	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	
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	
lab*trj	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*tch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

 $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (rechts)

BAM-Prüfvorlage UG40; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

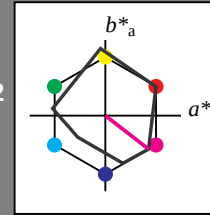
Ausgabe: Farbmatisches Reflexions-System MRS18

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

1,00



% Umfang

 $u^*_{rel} = 91$

MRS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
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

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	80.29	13.6	-7.31	
LAB*LABa	80.29	14.29	-11.05	
LAB*LABb	80.29	14.29	-11.05	
LAB*LABc	80.29	14.29	-11.05	
relative CIELAB lab*				
lab*lab	0.895	0.198	-0.152	
lab*tch	0.895	0.25	0.895	
lab*nch	0.0	0.25	0.895	
lab*trj	0.895	0.162	-0.189	
relative Natural Colour (NC)				
lab*tch	0.895	0.25	0.895	
lab*nch	0.0	0.25	0.895	

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	60.94	13.97	-8.62	
LAB*LABa	60.94	14.29	-11.06	
LAB*LABb	60.94	14.29	-11.06	
LAB*LABc	60.94	14.29	-11.06	
relative CIELAB lab*				
lab*lab	0.75	0.5	0.75	
lab*tch	0.75	0.5	0.75	
lab*nch	0.0	0.5	0.75	
lab*trj	0.75	0.5	0.75	
relative Natural Colour (NC)				
lab*tch	0.75	0.5	0.75	
lab*nch	0.0	0.5	0.75	

relative Inform. Technology (IT)				
olvi3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.5	0.75	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	41.59	14.34	-9.93	
LAB*LABa	41.59	14.29	-11.06	
LAB*LABb	41.59	14.29	-11.06	
LAB*LABc	41.59	14.29	-11.06	
relative CIELAB lab*				
lab*lab	0.5	0.25	0.5	
lab*tch	0.5	0.25	0.5	
lab*nch	0.0	0.25	0.5	
lab*trj	0.5	0.25	0.5	
relative Natural Colour (NC)				
lab*tch	0.5	0.25	0.5	
lab*nch	0.0	0.25	0.5	

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	26.46	28.92	22.01	
LAB*LABa	26.46	28.92	22.01	
LAB*LABb	26.46	28.92	22.01	
LAB*LABc	26.46	28.92	22.01	
relative CIELAB lab*				
lab*lab	0.25	0.25	0.25	
lab*tch	0.25	0.25	0.25	
lab*nch	0.0	0.25	0.25	
lab*trj	0.25	0.25	0.25	
relative Natural Colour (NC)				
lab*tch	0.25	0.25	0.25	
lab*nch	0.0	0.25	0.25	

relative Inform. Technology (IT)				
olvi3*	0.0	0.25	0.0	(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	14.29	-11.05	
LAB*LABa	22.25	14.29	-11.05	
LAB*LABb	22.25	14.29	-11.05	
LAB*LABc	22.25	14.29	-11.05	
relative CIELAB lab*				
lab*lab	0.0	0.25	0.0	
lab*tch	0.0	0.25	0.0	
lab*nch	0.0	0.25	0.0	
lab*trj	0.0	0.25	0.0	
relative Natural Colour (NC)				
lab*tch	0.0	0.25	0.0	
lab*nch	0.0	0.25	0.0	

 $n^* = 0,50$

5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (rechts)

BAM-Prüfvorlage UG40; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

UG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

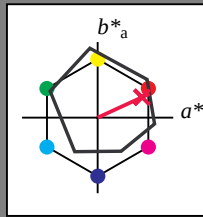
BAM-Prüfvorlage UG40; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Eingabe: Farbmatisches Reflexions-System ORS18

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

D65: Buntton R
LCH*Ma: 48 75 25
rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



ORS18; adaptierte CIELAB-Daten

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

%Regularität

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

1,00

0,75

 $n^* = 0,00$

0,25

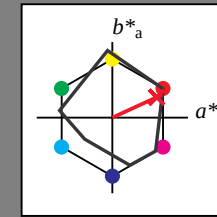
 $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$ relative Buntheit c^*

Ausgabe: Farbmatisches Reflexions-System MRS18

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

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

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
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^*

UG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

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

BAM-Prüfvorlage UG40; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

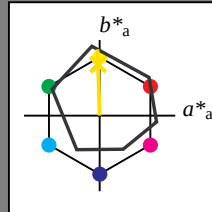
Eingabe: Farbmatisches Reflexions-System ORS18

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

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

Dreiecks-Helligkeit

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
$LAB^*LAB 95.41 -0.97 4.75$
$LAB^*TCha 98.99 0.01 0.0$
relative CIELAB lab*
$lab^*lab 1.0 0.0 0.0$
$lab^*tch 1.0 0.0 0.0$
$lab^*nch 0.0 0.0 0.0$
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
$LAB^*LAB 76.06 -0.6 3.44$
$LAB^*TCha 75.0 0.0 0.0$
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
$LAB^*LAB 56.71 0.23 2.14$
$LAB^*TCha 50.0 0.0 0.0$
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
$LAB^*LAB 37.36 0.13 0.83$
$LAB^*TCha 25.0 0.0 0.0$
relative CIELAB lab*
$lab^*lab 0.25 0.0 0.0$
$lab^*tch 0.25 0.0 0.0$
$lab^*nch 0.75 0.0 0.0$
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
$LAB^*LAB 18.02 0.0 0.0$
$LAB^*TCha 0.01 0.0 0.0$
relative CIELAB lab*
$lab^*lab 0.0 0.0 0.0$
$lab^*tch 0.0 0.0 0.0$
$lab^*nch 1.0 0.0 0.0$
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
$LAB^*LAB 18.02 0.0 0.0$
$LAB^*TCha 0.01 0.0 0.0$
relative CIELAB lab*
$lab^*lab 0.0 0.0 0.0$
$lab^*tch 0.0 0.0 0.0$
$lab^*nch 1.0 0.0 0.0$
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
$LAB^*LAB 18.02 0.0 0.0$
$LAB^*TCha 0.01 0.0 0.0$
relative CIELAB lab*
$lab^*lab 0.0 0.0 0.0$
$lab^*tch 0.0 0.0 0.0$
$lab^*nch 1.0 0.0 0.0$
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
$LAB^*LAB 18.02 0.0 0.0$
$LAB^*TCha 0.01 0.0 0.0$
relative CIELAB lab*
$lab^*lab 0.0 0.0 0.0$
$lab^*tch 0.0 0.0 0.0$
$lab^*nch 1.0 0.0 0.0$
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
$LAB^*LAB 18.02 0.0 0.0$
$LAB^*TCha 0.01 0.0 0.0$
relative CIELAB lab*
$lab^*lab 0.0 0.0 0.0$
$lab^*tch 0.0 0.0 0.0$
$lab^*nch 1.0 0.0 0.0$
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
$LAB^*LAB 18.02 0.0 0.0$
$LAB^*TCha 0.01 0.0 0.0$
relative CIELAB lab*
$lab^*lab 0.0 0.0 0.0$
$lab^*tch 0.0 0.0 0.0$
$lab^*nch 1.0 0.0 0.0$
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
$LAB^*LAB 18.02 0.0 0.0$
$LAB^*TCha 0.01 0.0 0.0$
relative CIELAB lab*
$lab^*lab 0.0 0.0 0.0$
$lab^*tch 0.0 0.0 0.0$
$lab^*nch 1.0 0.0 0.0$
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
$LAB^*LAB 18.02 0.0 0.0$
$LAB^*TCha 0.01 0.0 0.0$
relative CIELAB lab*
$lab^*lab 0.0 0.0 0.0$
$lab^*tch 0.0 0.0 0.0$
$lab^*nch 1.0 0.0 0.0$
relative Natural Colour (NC)
$lab^*trj 0.0 0.0 0.0$
$lab^*tce 0.0 0.0 0.0$
$lab^*nce 1.0 0.0 0.0$

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

UG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

BAM-Prüfvorlage UG40; Farbmatrik-Systeme ORS18 & ORS18input: $cmY0^* setcmykcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: $Startup (S) data dependend$

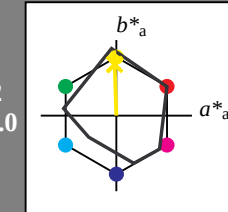
Ausgabe: Farbmatisches Reflexions-System MRS18

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

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

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 91$

MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
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)
$olvi3^* 1.0 1.0 1.0 (1.0)$
$cmyn3^* 0.0 0.0 0.0 (0.0)$
$olvi4^* 1.0 1.0 1.0 (1.0)$
$cmyn4^* 0.0 0.0 0.0 (0.0)$
standard and adapted CIELAB
$LAB^*LAB 95.41 -0.97 4.75$
$LAB^*TCha 98.99 0.01 0.0$
relative CIELAB lab*
$lab^*lab 1.0 0.0 0.0$
$lab^*tch 1.0 0.0 0.0$
$lab^*nch 0.0 0.0 0.0$
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
$LAB^*LAB 76.06 -0.6 3.44$
$LAB^*TCha 75.0 0.0 0.0$
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
$LAB^*LAB 56.71 0.23 2.14$
$LAB^*TCha 50.0 0.0 0.0$
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
$LAB^*LAB 37.36 0.13 0.83$
$LAB^*TCha 25.0 0.0 0.0$
relative CIELAB lab*
$lab^*lab 0.25 0.0 0.0$
$lab^*tch 0.25 0.0 0.0$
$lab^*nch 0.75 0.0 0.0$
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
$LAB^*LAB 18.02 0.0 0.0$
$LAB^*TCha 0.01 0.0 0.0$
relative CIELAB lab*
$lab^*lab 0.0 0.0 0.0$
$lab^*tch 0.0 0.0 0.0$
$lab^*nch 1.0 0.0 0.0$
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
$LAB^*LAB 18.02 0.0 0.0$
$LAB^*TCha 0.01 0.0 0.0$
relative CIELAB lab*
$lab^*lab 0.0 0.0 0.0$
$lab^*tch 0.0 0.0 0.0$
$lab^*nch 1.0 0.0 0.0$
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
$LAB^*LAB 18.02 0.0 0.0$
$LAB^*TCha 0.01 0.0 0.0$
relative CIELAB lab*
$lab^*lab 0.0 0.0 0.0$
$lab^*tch 0.0 0.0 0.0$
$lab^*nch 1.0 0.0 0.0$
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
$LAB^*LAB 18.02 0.0 0.0$

Eingabe: Farbmatisches Reflexions-System ORS18

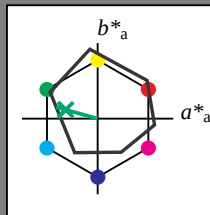
für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



ORS18; adaptierte CIELAB-Daten

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

%Regularität

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

1,00

0,75

 $n^* = 0,00$

0,25

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

UG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

BAM-Prüfvorlage UG40; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Ausgabe: Farbmatisches Reflexions-System MRS18

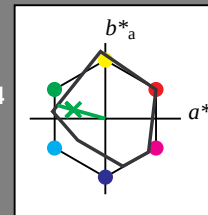
für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit



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

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

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

Eingabe: Farbmimetrisches Reflexions-System ORS18

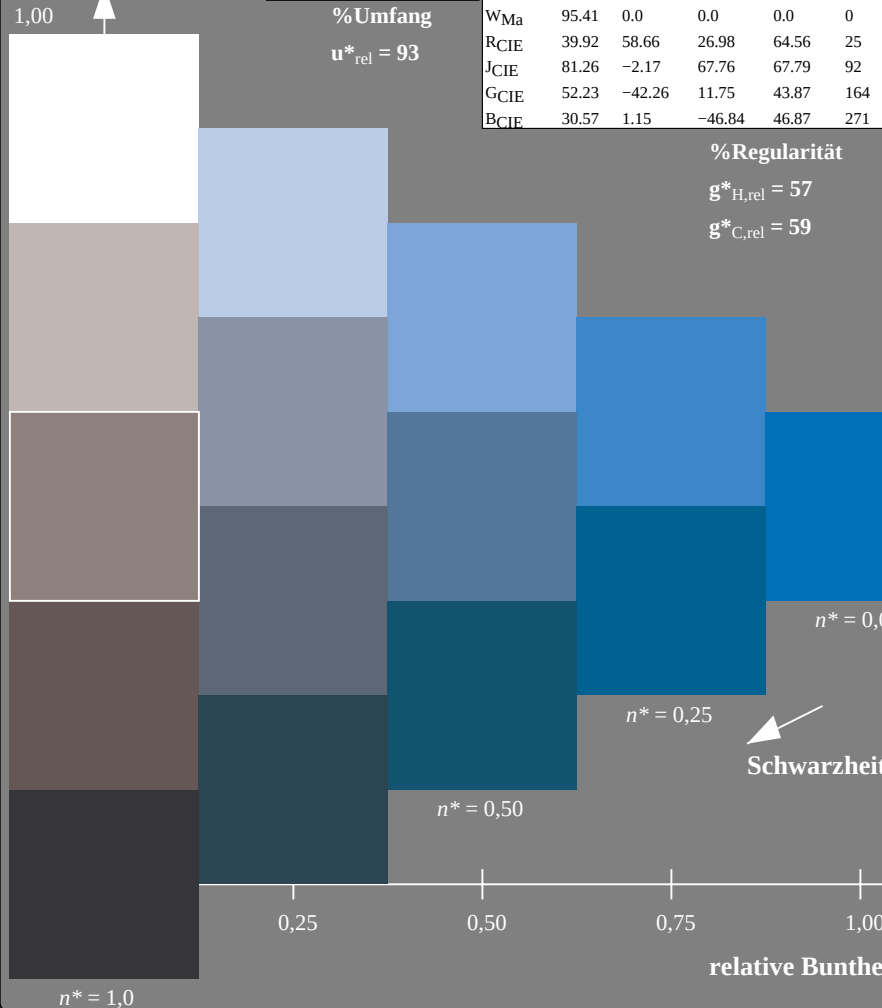
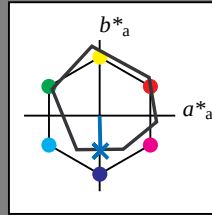
für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



UG400-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

BAM-Prüfvorlage UG40; Farbmimetrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Ausgabe: Farbmimetrisches Reflexions-System MRS18

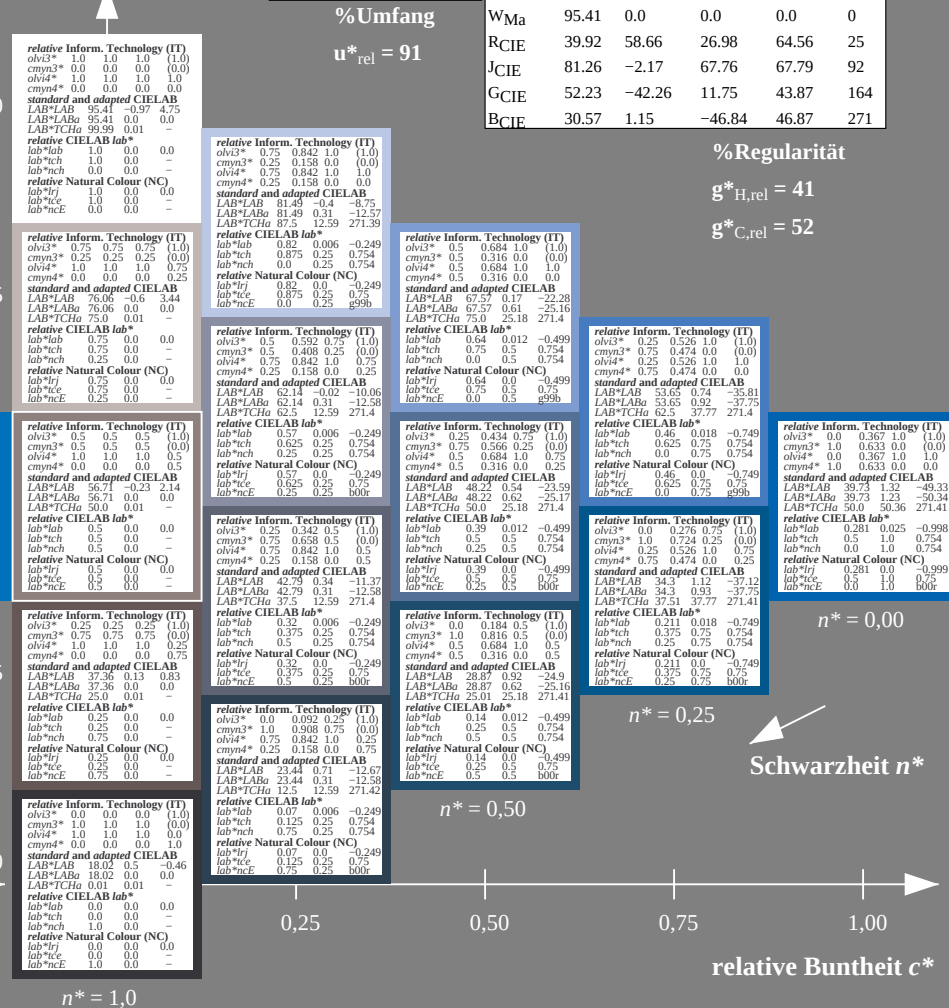
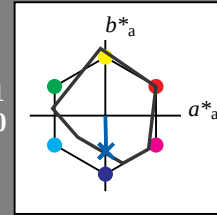
für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

Dreiecks-Helligkeit



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