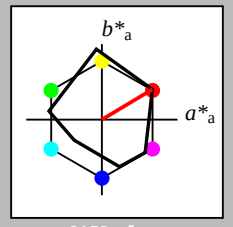
Eingabe: Farbmetrisches Reflexions-System MRS18a
für Buntton *h* = lab*h = 31/360 = 0.086*
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 50 78 31
rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit *t**



%Umfang
u*$_{rel}$ = 92

MRS18a; adaptierte CIELAB-Daten

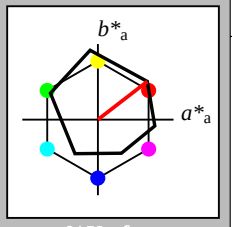
	L=L*$_a$*	*a*$_a$*	*b*$_a$*	*C*$_{ab,a}$*	*h*$_{ab,a}$*
R_{Ma}	49.63	66.8	40.02	77.87	31
J_{Ma}	90.7	−7.27	93.19	93.48	94
G_{Ma}	52.11	−69.93	11.26	70.85	171
$G50B_{Ma}$	45.03	−36.65	−27.13	45.61	217
B_{Ma}	36.65	23.26	−62.27	66.49	290
$B50R_{Ma}$	34.94	57.27	−43.6	71.99	323
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.67	27.97	64.99	25
J_{CIE}	81.26	−2.91	71.56	71.62	92
G_{CIE}	52.23	−42.47	13.58	44.6	162
B_{CIE}	30.57	1.33	−46.48	46.51	272

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

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 *t**

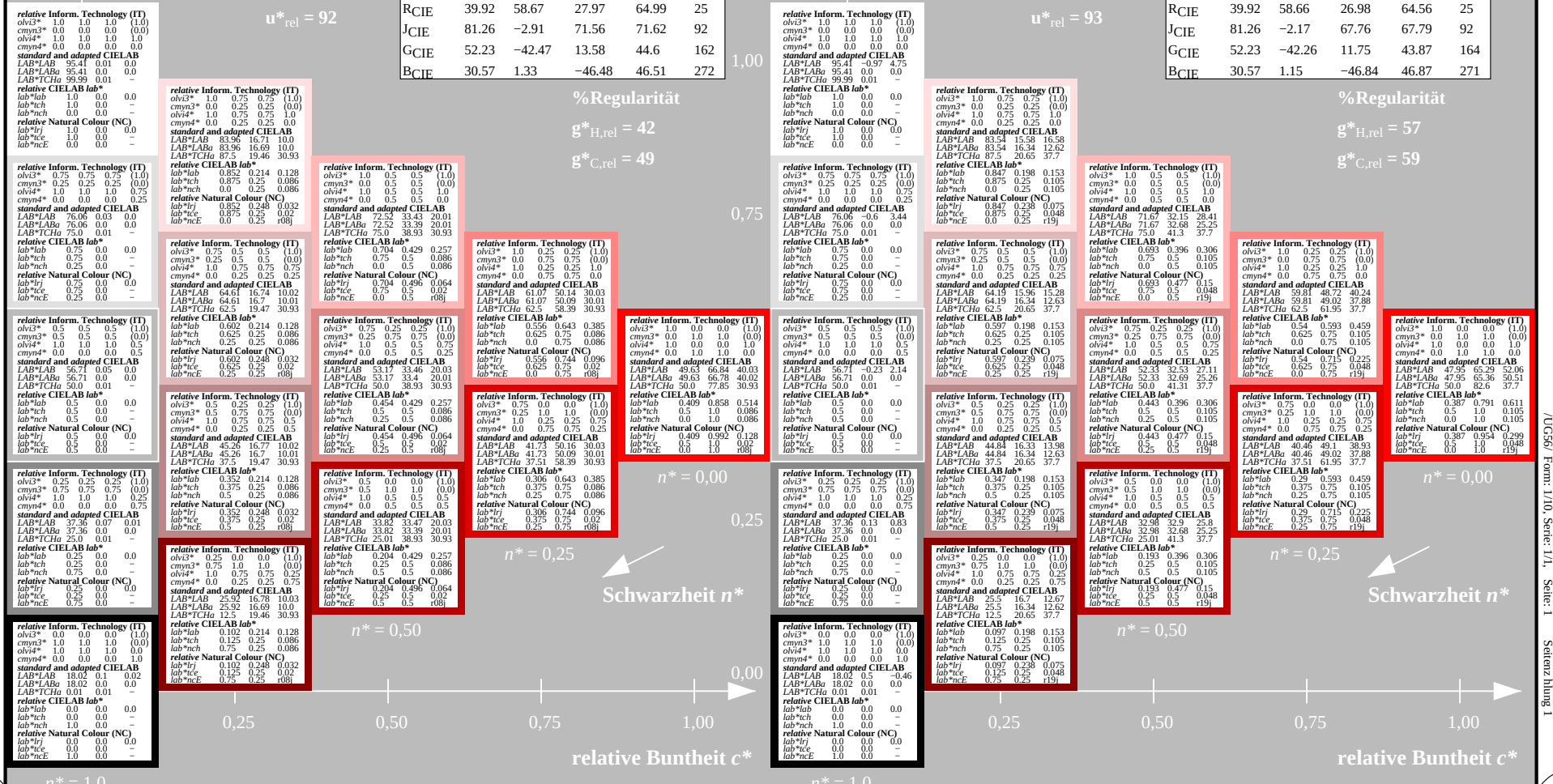


%Umfang
u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

	L=L*$_a$*	*a*$_a$*	*b*$_a$*	*C*$_{ab,a}$*	*h*$_{ab,a}$*
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	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
R_{CIE}	39.92	58.66	26.98	64.56	25
J_{CIE}	81.26	−2.17	67.76	67.79	92
G_{CIE}	52.23	−42.26	11.75	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.87	271

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



UG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 31/360 = 0.086 (links)

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

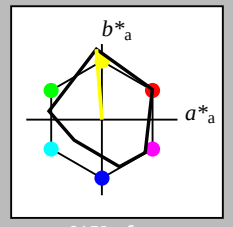
BAM-Prüfvorlage UG56; Farbmetrik-Systeme MRS18a & ORS18 Input: *cmy0* setcmykcolor*
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt Output: *olv* setrgbcolor / w* setgray*

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton *h* = lab*h = 94/360 = 0.262*
*lab*tch* und *lab*nch*

D65: Buntton J
LCH*Ma: 91 93 94
rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit *t**



%Umfang

u*rel = 92

%Regularität

g*H,rel = 42

g*C,rel = 49

MRS18a; adaptierte CIELAB-Daten

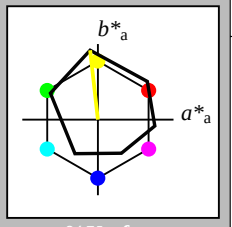
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	−7.27	93.19	93.48	94
GMa	52.11	−69.93	11.26	70.85	171
G50BMa	45.03	−36.65	−27.13	45.61	217
BMa	36.65	23.26	−62.27	66.49	290
B50RMa	34.94	57.27	−43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	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

Ausgabe: Farbmetrisches 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 *t**



%Umfang

u*rel = 93

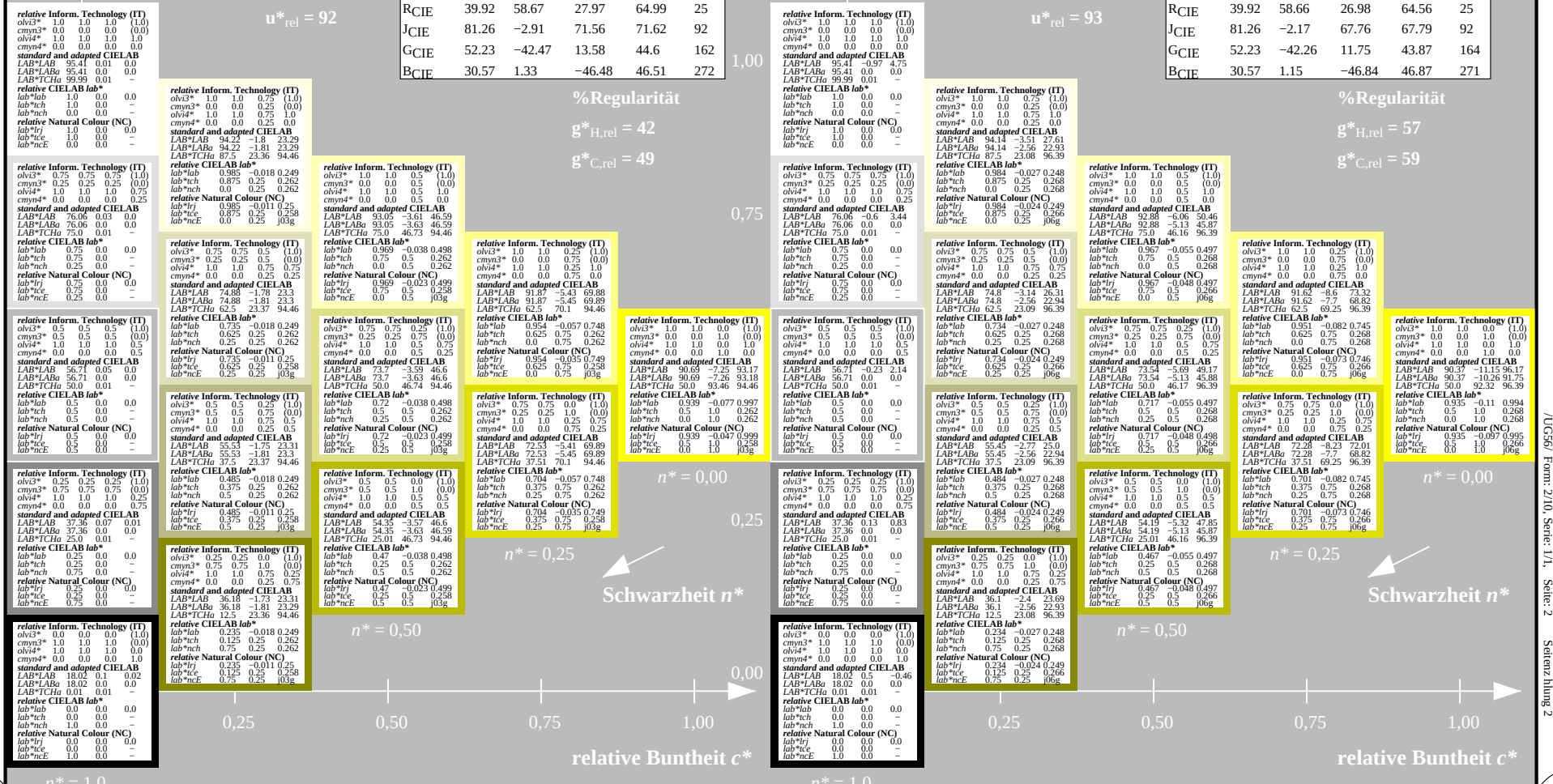
%Regularität

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



UG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.262 (links)

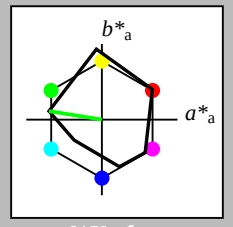
5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (rechts)

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 *t**



%Umfang
u*rel = 92

%Regularität
g*H,rel = 42
g*C,rel = 49

MRS18a; adaptierte CIELAB-Daten

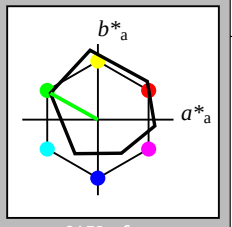
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	−7.27	93.19	93.48	94
GMa	52.11	−69.93	11.26	70.85	171
G50BMa	45.03	−36.65	−27.13	45.61	217
BMa	36.65	23.26	−62.27	66.49	290
B50RMa	34.94	57.27	−43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	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

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 *t**

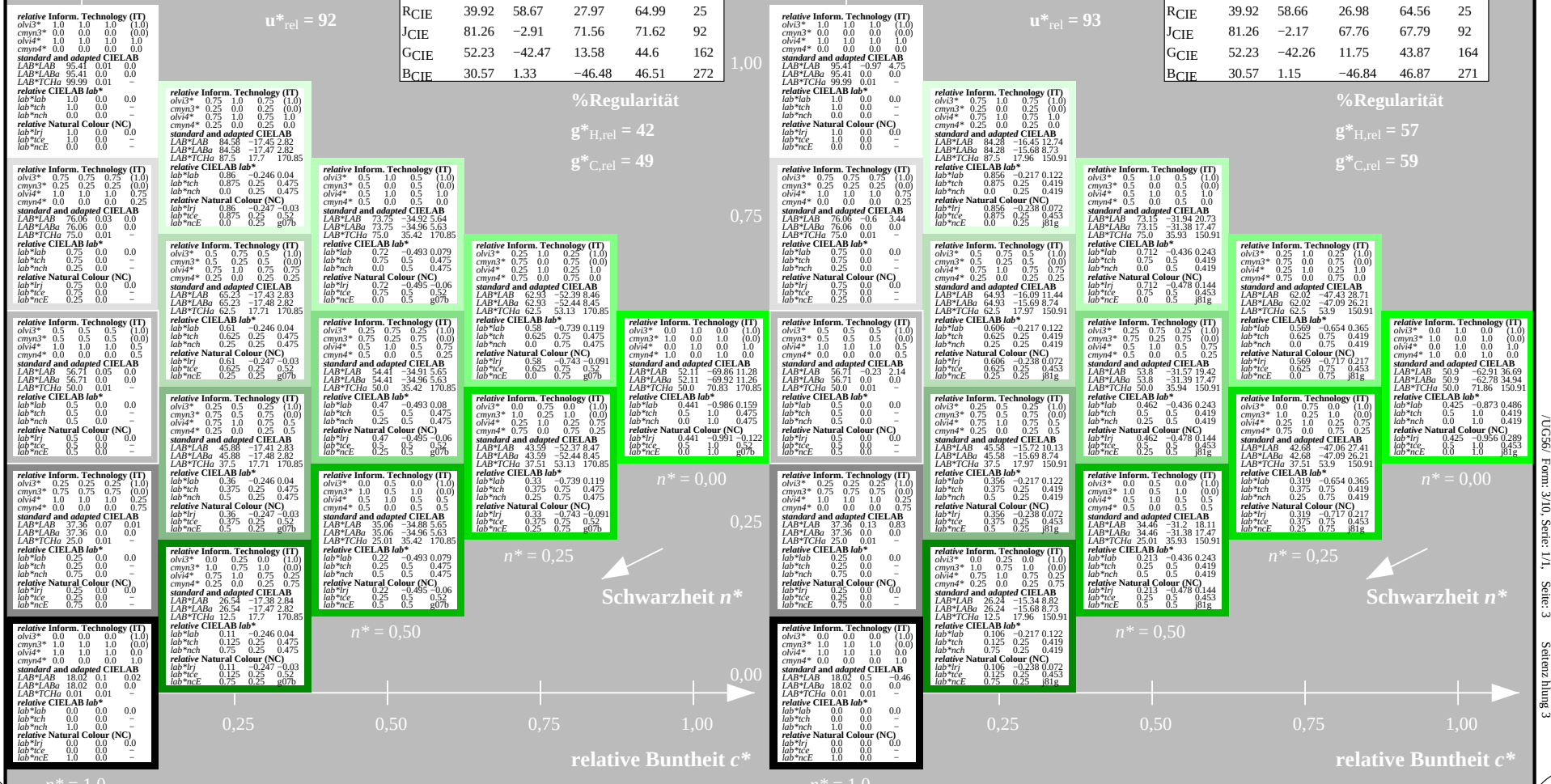


%Umfang
u*rel = 93

%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



UG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 171/360 = 0.475 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

BAM-Prüfvorlage UG56; Farbmetrik-Systeme MRS18a & ORS18
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntton

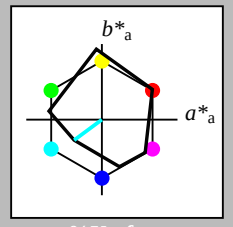
Input: *cmy0* setcmykcolor*
Output: *olv* setrgbcolor / w* setgray*

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 *t**



%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

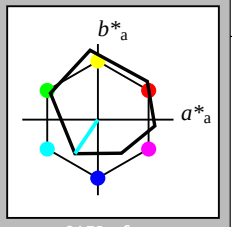
1,00
%Regularität
g*H,rel = 42
g*C,rel = 49
0,75
0,50
0,25
0,00
n* = 0,00
n* = 0,25
n* = 0,50
n* = 0,75
n* = 1,0
Schwarzheit *n**
0,25 0,50 0,75 1,00
relative Buntheit *c**

Ausgabe: 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 *t**



%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

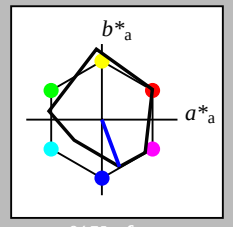
UG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 217/360 = 0.601 (links)
5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (rechts)

Eingabe: 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 *t**



%Umfang
u*rel = 92

%Regularität
g*H,rel = 42
g*C,rel = 49

MRS18a; adaptierte CIELAB-Daten

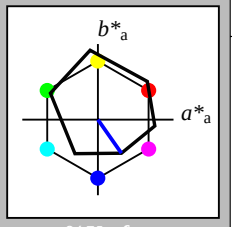
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	−7.27	93.19	93.48	94
GMa	52.11	−69.93	11.26	70.85	171
G50BMa	45.03	−36.65	−27.13	45.61	217
BMa	36.65	23.26	−62.27	66.49	290
B50RMa	34.94	57.27	−43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	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

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 *t**



%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
0,50
0,25
0,00
n* = 1,0
n* = 0,75
n* = 0,50
n* = 0,25
n* = 0,00
Schwarzheit *n**
0,25
0,50
0,75
1,00
relative Buntheit *c**

UG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (links)
5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (rechts)

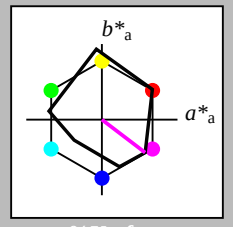
BAM-Prüfvorlage UG56; Farbmetrik-Systeme MRS18a & ORS18 Input: *cmy0* setcmykcolor*
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt Output: *olv* setrgbcolor / w* setgray*

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 *t**



%Umfang
u*rel = 92

%Regularität
g*H,rel = 42
g*C,rel = 49

MRS18a; adaptierte CIELAB-Daten

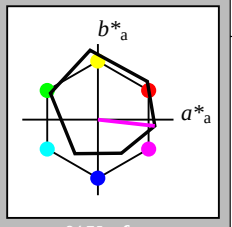
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	−7.27	93.19	93.48	94
GMa	52.11	−69.93	11.26	70.85	171
G50BMa	45.03	−36.65	−27.13	45.61	217
BMa	36.65	23.26	−62.27	66.49	290
B50RMa	34.94	57.27	−43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	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

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 *t**



%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

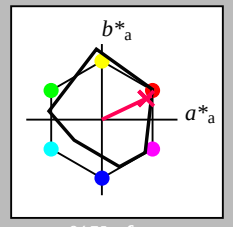
1,00
0,75
0,50
0,25
0,00
n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0
Schwarzheit *n**
relative Buntheit *c**
0,25
0,50
0,75
1,00

UG560−7, 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 = 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 *t**



%Umfang
u*$_{rel}$ = 92

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

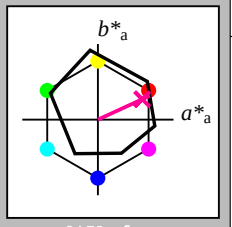
MRS18a; adaptierte CIELAB-Daten

	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
R$_{CIE}$	39.92	58.67	27.97	64.99	25
J$_{CIE}$	81.26	−2.91	71.56	71.62	92
G$_{CIE}$	52.23	−42.47	13.58	44.6	162
B$_{CIE}$	30.57	1.33	−46.48	46.51	272

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 *t**



%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*$_{ab,a}$
O$_{Ma}$	47.94	65.37	50.52	82.62	38
Y$_{Ma}$	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
R$_{CIE}$	39.92	58.66	26.98	64.56	25
J$_{CIE}$	81.26	−2.17	67.76	67.79	92
G$_{CIE}$	52.23	−42.26	11.75	43.87	164
B$_{CIE}$	30.57	1.15	−46.84	46.87	271

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

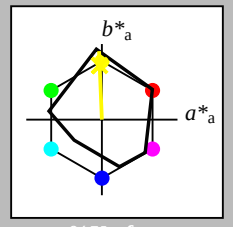
UG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)
5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton *h* = lab*h = 92/360 = 0.256*
*lab*tch* und *lab*nch*

D65: Buntton J
LCH*Ma: 89 91 92
rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit *t**



%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
R_{CIE}	39.92	58.67	27.97	64.99	25
J_{CIE}	81.26	−2.91	71.56	71.62	92
G_{CIE}	52.23	−42.47	13.58	44.6	162
B_{CIE}	30.57	1.33	−46.48	46.51	272

1,00

%Regularität

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

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

0,75

0,50

0,25

0,00

Schwarzheit *n**

n* = 1,0 n* = 0,50 n* = 0,25 n* = 0,00

0,25 0,50 0,75 1,00

relative Buntheit *c**

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 0.01 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 –
relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 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
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 76.06 0.03 0.0
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 –
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 –

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 0.05 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*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 –

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 37.36 0.07 0.01
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 –
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 –

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 0.0 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*lrj 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 0.988 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*TCHa 87.5 22.67 92.35
relative CIELAB *lab**
lab*lab 0.978 −0.009 0.25
lab*tch 0.875 0.25 0.257
lab*nch 0.0 0.25 0.257
relative Natural Colour (NC)
lab*lrj 0.978 0.0 0.25
lab*tce 0.875 0.25 0.25
lab*ncE 0.0 0.25 j00g

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 0.75
cmyn4* 0.0 0.012 0.25 0.25
standard and adapted CIELAB
LAB*LAB 74.38 −0.88 22.66
LAB*LABa 74.38 −0.91 22.66
LAB*TCHa 62.5 22.67 92.33
relative CIELAB *lab**
lab*lab 0.728 −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*lrj 0.728 0.0 0.25
lab*tce 0.625 0.25 0.25
lab*ncE 0.25 0.25 r99j

relative Inform. Technology (IT)
olvi3* 0.5 0.488 0.25 (1.0)
cmyn3* 0.5 0.512 0.75 (0.0)
olvi4* 1.0 0.988 0.75 0.5
cmyn4* 0.0 0.012 0.25 0.5
standard and adapted CIELAB
LAB*LAB 55.03 −0.86 22.67
LAB*LABa 55.03 −0.91 22.66
LAB*TCHa 37.5 22.67 92.33
relative CIELAB *lab**
lab*lab 0.478 −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*lrj 0.478 0.0 0.25
lab*tce 0.375 0.25 0.25
lab*ncE 0.5 0.25 r99j

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 0.25
cmyn4* 0.0 0.012 0.25 0.75
standard and adapted CIELAB
LAB*LAB 35.68 −0.84 22.67
LAB*LABa 35.68 −0.91 22.65
LAB*TCHa 12.5 22.67 92.33
relative CIELAB *lab**
lab*lab 0.228 −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*lrj 0.228 0.0 0.25
lab*tce 0.125 0.25 0.25
lab*ncE 0.75 0.25 r99j

relative Inform. Technology (IT)
olvi3* 1.0 0.976 0.5 (1.0)
cmyn3* 0.0 0.024 0.5 (0.0)
olvi4* 1.0 0.976 0.5 1.0
cmyn4* 0.0 0.024 0.5 0.0
standard and adapted CIELAB
LAB*LAB 92.06 −1.83 45.31
LAB*LABa 92.06 −1.84 45.31
LAB*TCHa 75.0 45.35 92.34
relative CIELAB *lab**
lab*lab 0.957 −0.019 0.499
lab*tch 0.75 0.5 0.257
lab*nch 0.0 0.5 0.257
relative Natural Colour (NC)
lab*lrj 0.957 0.0 0.5
lab*tce 0.75 0.5 0.25
lab*ncE 0.0 0.5 j00g

relative Inform. Technology (IT)
olvi3* 0.75 0.726 0.25 (1.0)
cmyn3* 0.25 0.274 0.75 (0.0)
olvi4* 1.0 0.976 0.5 0.75
cmyn4* 0.0 0.024 0.5 0.25
standard and adapted CIELAB
LAB*LAB 72.71 −1.8 45.32
LAB*LABa 72.71 −1.84 45.31
LAB*TCHa 50.0 45.35 92.33
relative CIELAB *lab**
lab*lab 0.707 −0.019 0.5
lab*tch 0.5 0.5 0.256
lab*nch 0.25 0.5 0.256
relative Natural Colour (NC)
lab*lrj 0.707 0.0 0.5
lab*tce 0.5 0.5 0.25
lab*ncE 0.25 0.5 r99j

relative Inform. Technology (IT)
olvi3* 0.5 0.476 0.0 (1.0)
cmyn3* 0.5 0.524 1.0 (0.0)
olvi4* 1.0 0.976 0.5 0.5
cmyn4* 0.0 0.024 0.5 0.5
standard and adapted CIELAB
LAB*LAB 53.36 −1.78 45.32
LAB*LABa 53.36 −1.84 45.3
LAB*TCHa 25.01 45.34 92.33
relative CIELAB *lab**
lab*lab 0.457 −0.019 0.499
lab*tch 0.25 0.5 0.256
lab*nch 0.5 0.5 0.256
relative Natural Colour (NC)
lab*lrj 0.457 0.0 0.5
lab*tce 0.25 0.5 0.25
lab*ncE 0.5 0.5 r99j

relative Inform. Technology (IT)
olvi3* 0.75 0.714 0.0 (1.0)
cmyn3* 0.25 0.286 1.0 (0.0)
olvi4* 1.0 0.964 0.25 0.75
cmyn4* 0.0 0.036 0.75 0.25
standard and adapted CIELAB
LAB*LAB 71.04 −2.72 67.96
LAB*LABa 71.04 −2.76 67.96
LAB*TCHa 37.51 68.01 92.33
relative CIELAB *lab**
lab*lab 0.685 −0.03 0.749
lab*tch 0.375 0.75 0.256
lab*nch 0.25 0.75 0.256
relative Natural Colour (NC)
lab*lrj 0.685 0.0 0.75
lab*tce 0.375 0.75 0.25
lab*ncE 0.25 0.75 r99j

relative Inform. Technology (IT)
olvi3* 1.0 0.964 0.25 (1.0)
cmyn3* 0.0 0.036 0.75 (0.0)
olvi4* 1.0 0.964 0.25 1.0
cmyn4* 0.0 0.036 0.75 0.0
standard and adapted CIELAB
LAB*LAB 90.38 −2.75 67.96
LAB*LABa 90.38 −2.77 67.96
LAB*TCHa 62.5 68.02 92.34
relative CIELAB *lab**
lab*lab 0.935 −0.03 0.749
lab*tch 0.625 0.75 0.256
lab*nch 0.0 0.75 0.256
relative Natural Colour (NC)
lab*lrj 0.935 0.0 0.75
lab*tce 0.625 0.75 0.25
lab*ncE 0.0 0.75 j00g

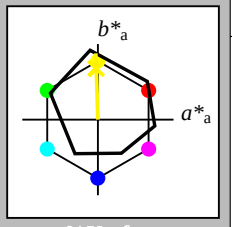
relative Inform. Technology (IT)
olvi3* 1.0 0.952 0.0 (1.0)
cmyn3* 0.0 0.048 1.0 (0.0)
olvi4* 1.0 0.952 0.0 1.0
cmyn4* 0.0 0.048 1.0 0.0
standard and adapted CIELAB
LAB*LAB 88.71 −3.67 90.61
LAB*LABa 88.71 −3.69 90.61
LAB*TCHa 50.0 90.68 92.34
relative CIELAB *lab**
lab*lab 0.913 −0.04 0.999
lab*tch 0.5 1.0 0.256
lab*nch 0.0 1.0 0.256
relative Natural Colour (NC)
lab*lrj 0.913 0.0 1.0
lab*tce 0.5 1.0 0.25
lab*ncE 0.0 1.0 j00g

Ausgabe: Farbmetrisches 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 *t**



%Umfang

u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

	L*=L*$_a$	a*$_a$	b*$_a$	C*$_{ab,a}$	h*$_{ab,a}$
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	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
R_{CIE}	39.92	58.66	26.98	64.56	25
J_{CIE}	81.26	−2.17	67.76	67.79	92
G_{CIE}	52.23	−42.26	11.75	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.87	271

%Regularität

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

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

Schwarzheit *n**

n* = 1,0 n* = 0,50 n* = 0,25 n* = 0,00

0,25 0,50 0,75 1,00

relative Buntheit *c**

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*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*lrj 1.0 0.0 0.0
lab*tce 1.0 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
cmyn4* 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
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*lrj 0.75 0.0 0.0
lab*tce 0.75 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 56.71 −0.23 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 –
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 –

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 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*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 –

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*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 –

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*TCHa 87.5 21.93 91.86
relative CIELAB *lab**
lab*lab 0.97 −0.007 0.25
lab*tch 0.875 0.25 0.255
lab*nch 0.0 0.25 0.255
relative Natural Colour (NC)
lab*lrj 0.97 0.0 0.25
lab*tce 0.875 0.25 0.25
lab*ncE 0.0 0.25 j00g

relative Inform. Technology (IT)
olvi3* 0.75 0.725 0.5 (1.0)
cmyn3* 0.25 0.275 0.5 (0.0)
olvi4* 1.0 0.975 0.75 0.75
cmyn4* 0.0 0.025 0.25 0.25
standard and adapted CIELAB
LAB*LAB 73.75 −1.26 25.22
LAB*LABa 73.75 −0.7 21.93
LAB*TCHa 62.5 21.94 91.84
relative CIELAB *lab**
lab*lab 0.72 −0.007 0.25
lab*tch 0.625 0.25 0.255
lab*nch 0.25 0.25 0.255
relative Natural Colour (NC)
lab*lrj 0.72 0.0 0.25
lab*tce 0.625 0.25 0.25
lab*ncE 0.25 0.25 r99j

relative Inform. Technology (IT)
olvi3* 0.5 0.475 0.25 (1.0)
cmyn3* 0.5 0.525 0.75 (0.0)
olvi4* 1.0 0.975 0.75 0.5
cmyn4* 0.0 0.025 0.25 0.5
standard and adapted CIELAB
LAB*LAB 54.4 −0.89 23.92
LAB*LABa 54.4 −0.7 21.93
LAB*LABa 37.5 21.94 91.84
relative CIELAB *lab**
lab*lab 0.47 −0.007 0.25
lab*tch 0.375 0.25 0.255
lab*nch 0.5 0.25 0.255
relative Natural Colour (NC)
lab*lrj 0.47 0.0 0.25
lab*tce 0.375 0.25 0.25
lab*ncE 0.5 0.25 r99j

relative Inform. Technology (IT)
olvi3* 0.25 0.225 0.0 (1.0)
cmyn3* 0.75 0.775 1.0 (0.0)
olvi4* 1.0 0.975 0.75 0.25
cmyn4* 0.0 0.025 0.25 0.75
standard and adapted CIELAB
LAB*LAB 35.05 −0.52 22.6
LAB*LABa 35.05 −0.69 21.92
LAB*TCHa 12.5 21.93 91.84
relative CIELAB *lab**
lab*lab 0.22 −0.007 0.25
lab*tch 0.125 0.25 0.255
lab*nch 0.75 0.25 0.255
relative Natural Colour (NC)
lab*lrj 0.22 0.0 0.25
lab*tce 0.125 0.25 0.25
lab*ncE 0.75 0.25 r99j

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*TCHa 75.0 43.87 91.85
relative CIELAB *lab**
lab*lab 0.94 −0.015 0.5
lab*tch 0.75 0.5 0.255
lab*nch 0.0 0.5 0.255
relative Natural Colour (NC)
lab*lrj 0.94 0.0 0.5
lab*tce 0.75 0.5 0.25
lab*ncE 0.0 0.5 j00g

relative Inform. Technology (IT)
olvi3* 0.75 0.701 0.25 (1.0)
cmyn3* 0.25 0.299 0.75 (0.0)
olvi4* 1.0 0.951 0.5 0.75
cmyn4* 0.0 0.049 0.5 0.25
standard and adapted CIELAB
LAB*LAB 71.45 −1.92 46.99
LAB*LABa 71.45 −1.4 43.85
LAB*TCHa 50.0 43.87 91.84
relative CIELAB *lab**
lab*lab 0.69 −0.015 0.5
lab*tch 0.5 0.5 0.255
lab*nch 0.25 0.5 0.255
relative Natural Colour (NC)
lab*lrj 0.69 0.0 0.5
lab*tce 0.5 0.5 0.25
lab*ncE 0.25 0.5 r99j

relative Inform. Technology (IT)
olvi3* 0.5 0.451 0.0 (1.0)
cmyn3* 0.5 0.549 1.0 (0.0)
olvi4* 1.0 0.951 0.5 0.5
cmyn4* 0.0 0.049 0.5 0.5
standard and adapted CIELAB
LAB*LAB 52.1 −1.55 45.68
LAB*LABa 52.1 −1.4 43.84
LAB*TCHa 25.01 43.87 91.84
relative CIELAB *lab**
lab*lab 0.44 −0.015 0.5
lab*tch 0.25 0.5 0.255
lab*nch 0.5 0.5 0.255
relative Natural Colour (NC)
lab*lrj 0.44 0.0 0.5
lab*tce 0.25 0.5 0.25
lab*ncE 0.5 0.5 r99j

relative Inform. Technology (IT)
olvi3* 0.75 0.676 0.0 (1.0)
cmyn3* 0.25 0.324 1.0 (0.0)
olvi4* 1.0 0.926 0.25 0.75
cmyn4* 0.0 0.074 0.75 0.25
standard and adapted CIELAB
LAB*LAB 69.15 −2.58 68.75
LAB*LABa 69.15 −2.11 65.77
LAB*TCHa 37.51 65.8 91.84
relative CIELAB *lab**
lab*lab 0.661 −0.023 0.75
lab*tch 0.375 0.75 0.255
lab*nch 0.25 0.75 0.255
relative Natural Colour (NC)
lab*lrj 0.661 0.0 0.75
lab*tce 0.375 0.75 0.25
lab*ncE 0.25 0.75 r99j

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 −2.96 70.06
LAB*LABa 88.49 −2.11 65.77
LAB*TCHa 62.5 65.81 91.85
relative CIELAB *lab**
lab*lab 0.911 −0.023 0.75
lab*tch 0.625 0.75 0.255
lab*nch 0.0 0.75 0.255
relative Natural Colour (NC)
lab*lrj 0.911 0.0 0.75
lab*tce 0.625 0.75 0.25
lab*ncE 0.0 0.75 j00g

relative Inform. Technology (IT)
olvi3* 1.0 0.901 0.0 (1.0)
cmyn3* 0.0 0.099 1.0 (0.0)
olvi4* 1.0 0.902 0.0 1.0
cmyn4* 0.0 0.098 1.0 0.0
standard and adapted CIELAB
LAB*LAB 86.19 −3.62 91.83
LAB*LABa 86.19 −2.82 87.69
LAB*TCHa 50.0 87.73 91.85
relative CIELAB *lab**
lab*lab 0.881 −0.031 0.999
lab*tch 0.5 1.0 0.255
lab*nch 0.0 1.0 0.255
relative Natural Colour (NC)
lab*lrj 0.881 0.0 1.0
lab*tce 0.5 1.0 0.25
lab*ncE 0.0 1.0 j00g

UG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links) 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (rechts)

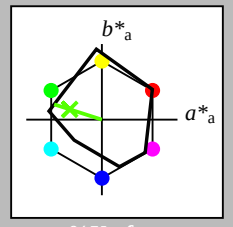
BAM-Prüfvorlage UG56; Farbmetrik-Systeme MRS18a & ORS18 Input: *cmy0* setcmykcolor*
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt one Input: *olv* setrgbcolor / w* setgray*

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 *t**



%Umfang
u*rel = 92

%Regularität
g*H,rel = 42
g*C,rel = 49

MRS18a; adaptierte CIELAB-Daten

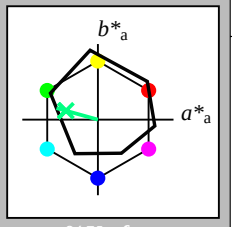
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	−7.27	93.19	93.48	94
GMa	52.11	−69.93	11.26	70.85	171
G50BMa	45.03	−36.65	−27.13	45.61	217
BMa	36.65	23.26	−62.27	66.49	290
B50RMa	34.94	57.27	−43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	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

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 *t**

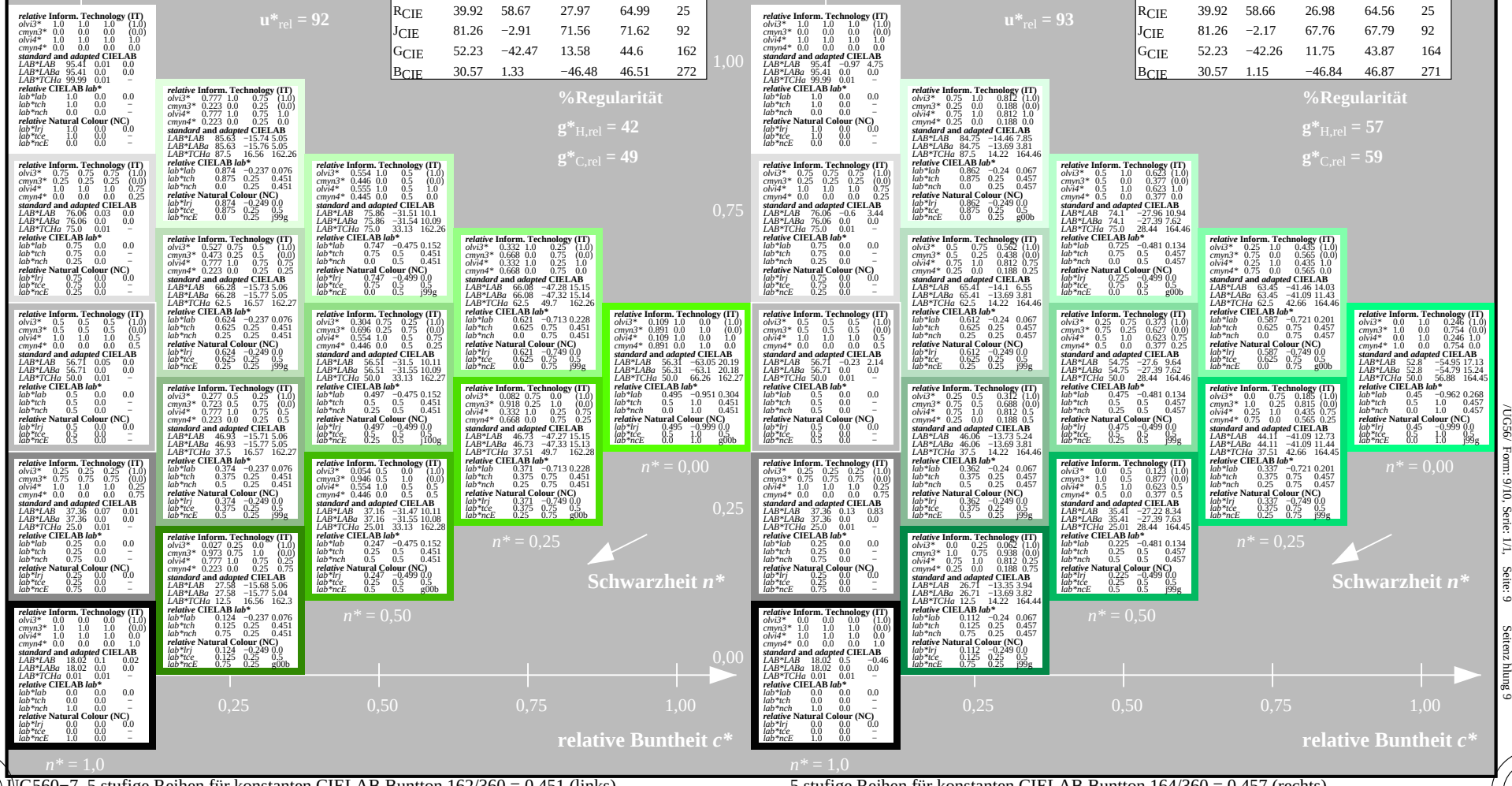


%Umfang
u*rel = 93

%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



UG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

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

BAM-Prüfvorlage UG56; Farbmetrik-Systeme MRS18a & ORS18
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt**one**

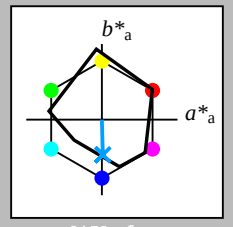
Input: *cmy0* setcmykcolor*
Output: *olv* setrgbcolor / w* setgray*

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 *t**



%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

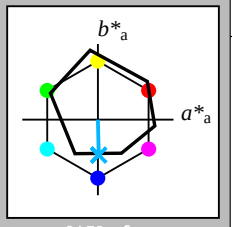
1,00
%Regularität
g*H,rel = 42
g*C,rel = 49
0,75
0,50
0,25
0,00
n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0
Schwarzheit *n**
0,25 0,50 0,75 1,00
relative Buntheit *c**

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 *t**



%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
n* = 0,25
n* = 0,50
n* = 1,0
Schwarzheit *n**
0,25 0,50 0,75 1,00
relative Buntheit *c**

UG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)
5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

BAM-Prüfvorlage UG56; Farbmetrik-Systeme MRS18a & ORS18
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt**o**ne

Input: *cmy0* setcmykcolor*
Output: *olv* setrgbcolor / w* setgray*