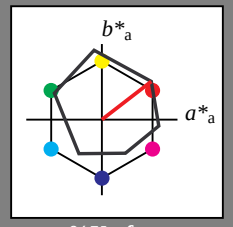
Eingabe: Farbmetrisches Reflexions-System ORS18

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

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

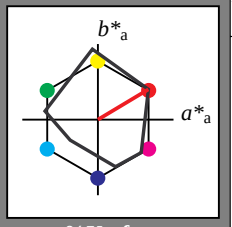
ORS18; adaptierte CIELAB-Daten	L*=L*$_a$	a*$_a$	b*$_a$	C*$_{ab,a}$	h*$_{ab,a}$
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	90.37	−10.27	91.77	92.34	96
L_{Ma}	50.9	−62.79	34.95	71.87	151
C_{Ma}	58.62	−30.35	−45.01	54.3	236
V_{Ma}	25.71	31.11	−44.42	54.24	305
M_{Ma}	48.13	75.27	−8.35	75.73	354
N_{Ma}	18.01	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

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

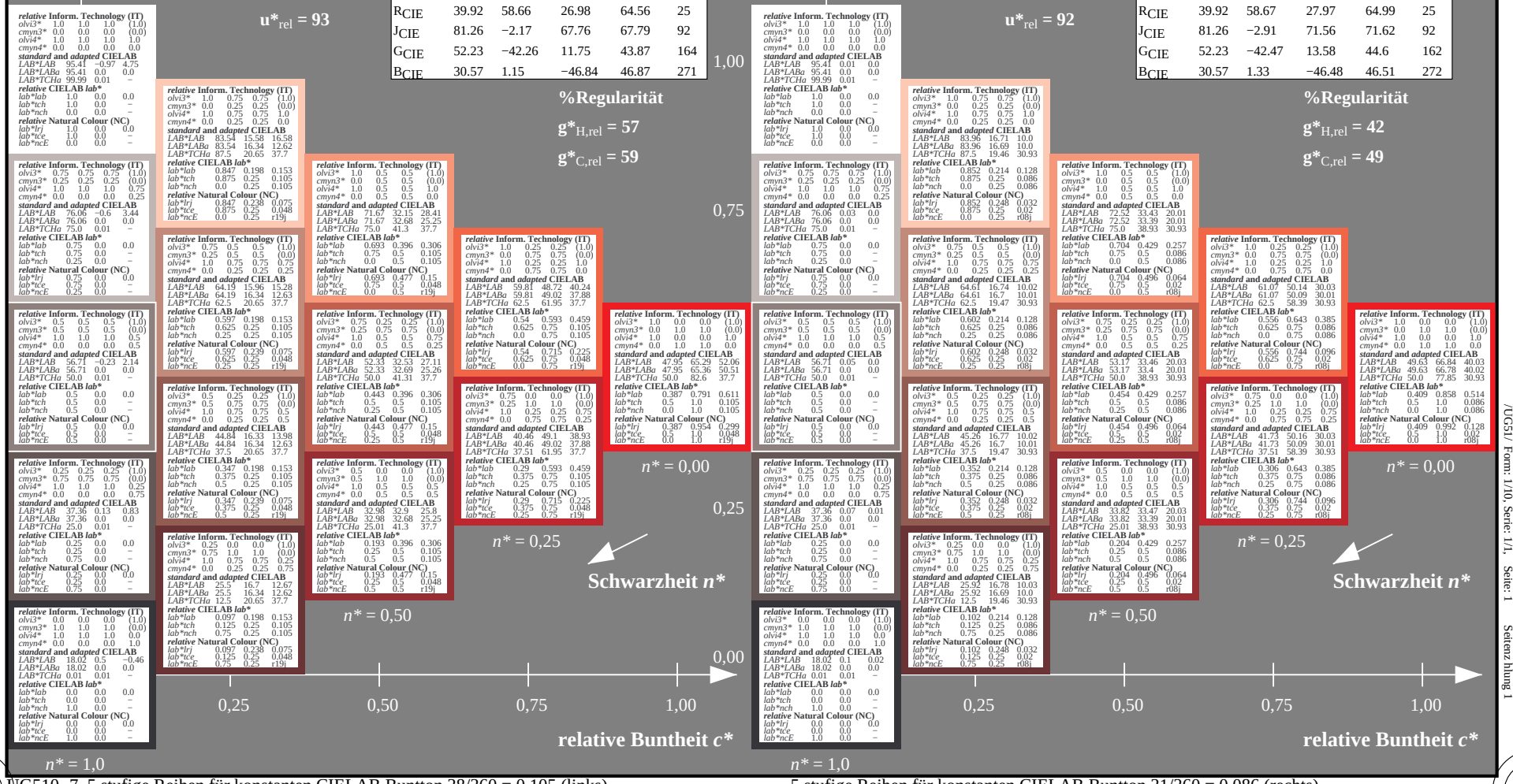
Dreiecks-Helligkeit *t**



%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



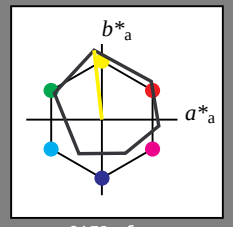
UG510−7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)
5 stufige Reihen für konstanten CIELAB Buntton 31/360 = 0.086 (rechts)

Eingabe: 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

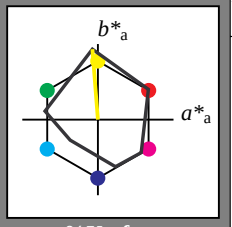
1,00
0,75
0,25
0,00
n* = 1,0
n* = 0,75
n* = 0,50
n* = 0,25
n* = 0,00
Schwarzheit *n**
0,25
0,50
0,75
1,00
relative Buntheit *c**

Ausgabe: 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

1,00
0,75
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**

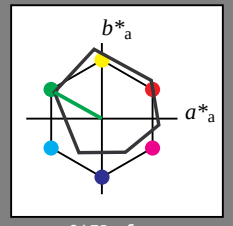
UG510−7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)
5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.262 (rechts)

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 *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

1,00

%Regularität

g*H,rel = 57

g*C,rel = 59

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**

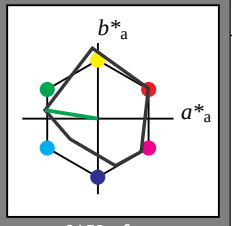
n* = 1,0

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 *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

%Regularität

g*H,rel = 42

g*C,rel = 49

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

UG510−7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

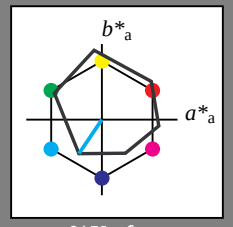
5 stufige Reihen für konstanten CIELAB Buntton 171/360 = 0.475 (rechts)

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 *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

1,00

%Regularität

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

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

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	−0.97	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*	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	86.21	−8.38	−7.1
LAB*LABa	86.21	−7.58	−11.24
LAB*TCHa	87.5	13.57	236.01

relative CIELAB *lab**

lab*lab	0.881	−0.139	−0.206
lab*tch	0.875	0.25	0.656
lab*nch	0.0	0.25	0.656

relative Natural Colour (NC)

lab*lrj	0.881	−0.123	−0.216
lab*tce	0.875	0.25	0.667
lab*ncE	0.0	0.25	g66b

relative Inform. Technology (IT)

olvi3*	0.5	0.75	0.75	(1.0)
cmyn3*	0.5	0.25	0.25	(0.0)
olvi4*	0.75	1.0	1.0	0.75
cmyn4*	0.25	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	66.86	−8.01	−8.41
LAB*LABa	66.86	−7.58	−11.25
LAB*TCHa	62.5	13.58	236.01

relative CIELAB *lab**

lab*lab	0.631	−0.139	−0.206
lab*tch	0.625	0.25	0.656
lab*nch	0.25	0.25	0.656

relative Natural Colour (NC)

lab*lrj	0.631	−0.123	−0.216
lab*tce	0.625	0.25	0.667
lab*ncE	0.25	0.25	g66b

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.5	0.5	(0.0)
olvi4*	0.75	1.0	1.0	0.5
cmyn4*	0.25	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	47.51	−7.64	−9.72
LAB*LABa	47.51	−7.58	−11.25
LAB*TCHa	37.5	13.58	236.01

relative CIELAB *lab**

lab*lab	0.381	−0.139	−0.206
lab*tch	0.375	0.25	0.656
lab*nch	0.5	0.25	0.656

relative Natural Colour (NC)

lab*lrj	0.381	−0.123	−0.216
lab*tce	0.375	0.25	0.667
lab*ncE	0.5	0.25	g66b

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.75	1.0	1.0	0.25
cmyn4*	0.25	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	28.17	−7.27	−11.02
LAB*LABa	28.17	−7.58	−11.24
LAB*TCHa	12.5	13.57	236.01

relative CIELAB *lab**

lab*lab	0.131	−0.139	−0.206
lab*tch	0.125	0.25	0.656
lab*nch	0.75	0.25	0.656

relative Natural Colour (NC)

lab*lrj	0.131	−0.123	−0.216
lab*tce	0.125	0.25	0.667
lab*ncE	0.75	0.25	g66b

relative Inform. Technology (IT)

olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	1.0
cmyn4*	0.5	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	77.01	−15.79	−18.98
LAB*LABa	77.01	−15.16	−22.5
LAB*TCHa	75.0	27.15	236.01

relative CIELAB *lab**

lab*lab	0.762	−0.278	−0.413
lab*tch	0.75	0.5	0.656
lab*nch	0.0	0.5	0.656

relative Natural Colour (NC)

lab*lrj	0.762	−0.247	−0.433
lab*tce	0.75	0.5	0.667
lab*ncE	0.0	0.5	g66b

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	57.66	−15.42	−20.29
LAB*LABa	57.66	−15.17	−22.5
LAB*TCHa	50.0	27.15	236.01

relative CIELAB *lab**

lab*lab	0.512	−0.279	−0.414
lab*tch	0.5	0.5	0.656
lab*nch	0.25	0.5	0.656

relative Natural Colour (NC)

lab*lrj	0.512	−0.247	−0.433
lab*tce	0.5	0.5	0.667
lab*ncE	0.25	0.5	g66b

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	0.5
cmyn4*	0.5	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	38.32	−15.05	−21.59
LAB*LABa	38.32	−15.16	−22.5
LAB*TCHa	25.01	27.15	236.01

relative CIELAB *lab**

lab*lab	0.262	−0.278	−0.413
lab*tch	0.25	0.5	0.656
lab*nch	0.5	0.5	0.656

relative Natural Colour (NC)

lab*lrj	0.262	−0.247	−0.433
lab*tce	0.25	0.5	0.667
lab*ncE	0.5	0.5	g66b

*n** = 0,00

*n** = 0,25

*n** = 0,50

*n** = 1,0

Schwarzheit *n**

0,00

0,25

0,50

0,75

1,00

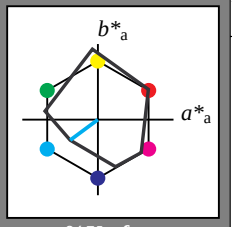
relative Buntheit *c**

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 *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

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*	0.0	0.0	0.0	(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	0.75	0.75	(1.0)
cmyn3*	0.5	0.25	0.25	(0.0)
olvi4*	0.75	1.0	1.0	0.75
cmyn4*	0.25	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	67.81	−23.21	−30.86
LAB*LABa	67.81	−22.75	−33.75
LAB*TCHa	62.5	40.72	236.01

relative CIELAB *lab**

lab*lab	0.643	−0.418	−0.621
lab*tch	0.625	0.75	0.656
lab*nch	0.0	0.75	0.656

relative Natural Colour (NC)

lab*lrj	0.643	−0.371	−0.65
lab*tce	0.625	0.75	0.667
lab*ncE	0.0	0.75	g66b

relative Inform. Technology (IT)

olvi3*	0.0	0.75	0.75	(1.0)
cmyn3*	1.0	0.25	0.25	(0.0)
olvi4*	0.25	1.0	1.0	0.75
cmyn4*	0.75	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	48.47	−22.83	−32.16
LAB*LABa	48.47	−22.75	−33.75
LAB*TCHa	37.51	40.72	236.01

relative CIELAB *lab**

lab*lab	0.394	−0.418	−0.621
lab*tch	0.375	0.75	0.656
lab*nch	0.25	0.75	0.656

relative Natural Colour (NC)

lab*lrj	0.394	−0.371	−0.65
lab*tce	0.375	0.75	0.667
lab*ncE	0.25	0.75	g66b

relative Inform. Technology (IT)

olvi3*	0.0	1.0	1.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	0.0	1.0	1.0	1.0
cmyn4*	1.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	58.62	−30.62	−42.73
LAB*LABa	58.62	−30.34	−45.01
LAB*TCHa	50.0	54.29	236.01

relative CIELAB *lab**

lab*lab	0.525	−0.558	−0.828
lab*tch	0.5	1.0	0.656
lab*nch	0.0	1.0	0.656

relative Natural Colour (NC)

lab*lrj	0.525	−0.496	−0.867
lab*tce	0.5	1.0	0.667
lab*ncE	0.0	1.0	g66b

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	0.5	0.5	(1.0)
cmyn3*	0.75	0.5	0.5	(0.0)
olvi4*	0.75	1.0	1.0	0.5
cmyn4*	0.25	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	44.19	−9.09	−6.76
LAB*LABa	44.11	−9.15	−6.78
LAB*TCHa	37.5	11.4	216.52

relative CIELAB *lab**

lab*lab	0.337	−0.2	−0.148
lab*tch	0.375	0.25	0.601
lab*nch	0.5	0.25	0.601

relative Natural Colour (NC)

lab*lrj	0.337	−0.177	−0.175
lab*tce	0.375	0.25	0.624
lab*ncE	0.5	0.25	g49b

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.25	(1.0)
cmyn3*	1.0	0.75	0.75	(0.0)
olvi4*	0.75	1.0	1.0	0.25
cmyn4*	0.25	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	24.77	−9.06	−6.74
LAB*LABa	24.77	−9.15	−6.77
LAB*TCHa	12.5	11.4	216.52

relative CIELAB *lab**

lab*lab	0.087	−0.2	−0.148
lab*tch	0.125	0.25	0.601
lab*nch	0.75	0.25	0.601

relative Natural Colour (NC)

lab*lrj	0.087	−0.177	−0.175
lab*tce	0.125	0.25	0.624
lab*ncE	0.75	0.25	g49b

relative Inform. Technology (IT)

olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.25	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	1.0
cmyn4*	0.5	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	70.21	−18.28	−13.55
LAB*LABa	70.21	−18.31	−13.56
LAB*TCHa	75.0	22.8	216.52

relative CIELAB *lab**

lab*lab	0.674	−0.401	−0.296
lab*tch	0.75	0.5	0.601
lab*nch	0.0	0.5	0.601

relative Natural Colour (NC)

lab*lrj	0.674	−0.355	−0.35
lab*tce	0.75	0.5	0.624
lab*ncE	0.0	0.5	g49b

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.75	(1.0)
cmyn3*	0.75	0.25	0.25	(0.0)
olvi4*	0.5	1.0	1.0	0.75
cmyn4*	0.5	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	50.87	−18.26	−13.54
LAB*LABa	50.87	−18.32	−13.56
LAB*TCHa	50.0	22.81	216.52

relative CIELAB *lab**

lab*lab	0.425	−0.401	−0.297
lab*tch	0.5	0.5	0.601
lab*nch	0.25	0.5	0.601

relative Natural Colour (NC)

lab*lrj	0.425	−0.355	−0.35
lab*tce	0.5	0.5	0.624
lab*ncE	0.25	0.5	g49b

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	0.5
cmyn4*	0.5	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	31.52	−18.23	−13.53
LAB*LABa	31.52	−18.31	−13.56
LAB*TCHa	25.01	22.8	216.52

relative CIELAB *lab**

lab*lab	0.175	−0.401	−0.296
lab*tch	0.25	0.5	0.601
lab*nch	0.5	0.5	0.601

relative Natural Colour (NC)

lab*lrj	0.175	−0.355	−0.35
lab*tce	0.25	0.5	0.624
lab*ncE	0.5	0.5	g49b

relative Inform. Technology (IT)

olvi3*	0.25	1.0	1.0	(1.0)
cmyn3*	0.75	0.0	0.0	(0.0)
olvi4*	0.25	1.0	1.0	1.0
cmyn4*	0.75	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	57.62	−27.43	−20.33
LAB*LABa	57.62	−27.48	−20.34
LAB*TCHa	62.5	34.2	216.52

relative CIELAB *lab**

lab*lab	0.512	−0.602	−0.445
lab*tch	0.625	0.75	0.601
lab*nch	0.0	0.75	0.601

relative Natural Colour (NC)

lab*lrj	0.512	−0.533	−0.526
lab*tce	0.625	0.75	g49b
lab*ncE	0.0	0.75	g49b

relative Inform. Technology (IT)

olvi3*	0.0	0.75	0.75	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	0.25	1.0	1.0	0.75
cmyn4*	0.75	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	38.28	−27.41	−20.32
LAB*LABa	38.28	−27.48	−20.34
LAB*TCHa	37.51	34.2	216.52

relative CIELAB *lab**

lab*lab	0.262	−0.602	−0.445
lab*tch	0.375	0.75	0.601
lab*nch	0.25	0.75	0.601

relative Natural Colour (NC)

lab*lrj	0.262	−0.533	−0.526
lab*tce	0.375	0.75	0.624
lab*ncE	0.25	0.75	g49b

*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**

UG510−7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

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

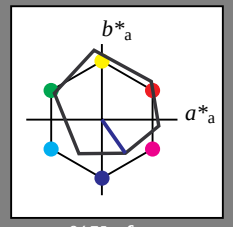
BAM-Prüfvorlage UG51; Farbmetrik-Systeme ORS18 & ORS18 input: *cmy0* setcmykcolor*
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt**öne** input: *Startup (S) data dependend*

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 *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

1,00
%Regularität
g*$_{H,rel}$ = 57
g*$_{C,rel}$ = 59

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**

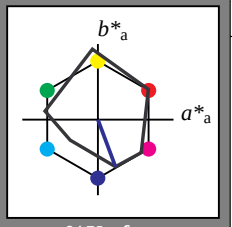
n = 1,0*

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 *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

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*

UG510−7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

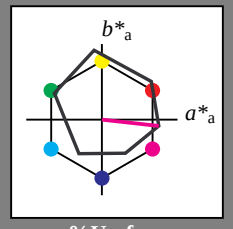
5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (rechts)

Eingabe: Farbmetrisches Reflexions-System 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
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

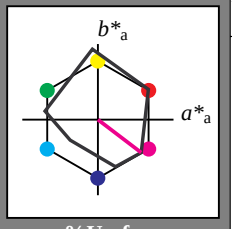
1,00
0,75
0,50
0,25
0,00
Schwarzheit *n**
relative Buntheit *c**
0,25 0,50 0,75 1,00
*n** = 1,0
*n** = 0,75
*n** = 0,50
*n** = 0,25
*n** = 0,00

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 *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

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

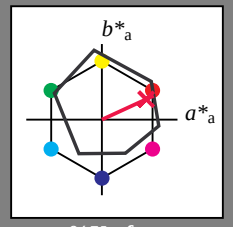
UG510−7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links) 5 stufige Reihen für konstanten CIELAB Buntton 323/360 = 0.896 (rechts)

Eingabe: 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

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

%Regularität

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

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

0,75

0,25

0,00

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

relative Buntheit *c**

Schwarzheit *n**

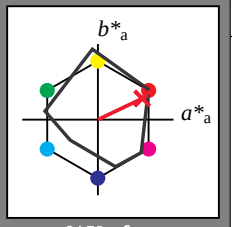
*n** = 0,00 | *n** = 0,25 | *n** = 0,50 | *n** = 1,0

Ausgabe: 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

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

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

UG510−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

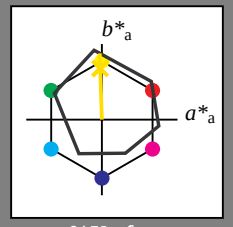
input: *cmy0* setcmykcolor*
output: *Startup (S) data dependend*

Eingabe: 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
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	−10.27	91.77	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

%Regularität

g*H,rel = 57

g*C,rel = 59

0,75

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

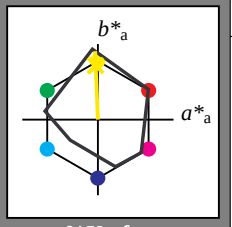
relative Buntheit *c**

Ausgabe: Farbmetrisches Reflexions-System 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
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	−7.27	93.19	93.48	94
GMa	52.11	−69.93	11.26	70.85	171
G50BMa	45.03	−36.65	−27.13	45.61	217
BMa	36.65	23.26	−62.27	66.49	290
B50RMa	34.94	57.27	−43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	−2.91	71.56	71.62	92
GCIE	52.23	−42.47	13.58	44.6	162
BCIE	30.57	1.33	−46.48	46.51	272

%Regularität

g*H,rel = 42

g*C,rel = 49

n* = 0,00

n* = 0,25

n* = 0,50

n* = 1,0

Schwarzheit *n**

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

relative Buntheit *c**

UG510−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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

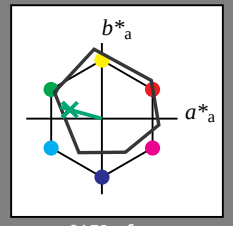
BAM-Prüfvorlage UG51; Farbmetrik-Systeme ORS18 & ORS18 input: *cmy0* setcmykcolor*
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt**one** output: *Startup (S) data dependend*

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 *t**



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

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

ORS18; adaptierte CIELAB-Daten

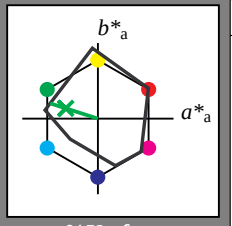
	L*=L*$_a$	a*$_a$	b*$_a$	C*$_{ab,a}$	h*$_{ab,a}$
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	90.37	−10.27	91.77	92.34	96
L_{Ma}	50.9	−62.79	34.95	71.87	151
C_{Ma}	58.62	−30.35	−45.01	54.3	236
V_{Ma}	25.71	31.11	−44.42	54.24	305
M_{Ma}	48.13	75.27	−8.35	75.73	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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

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 *t**

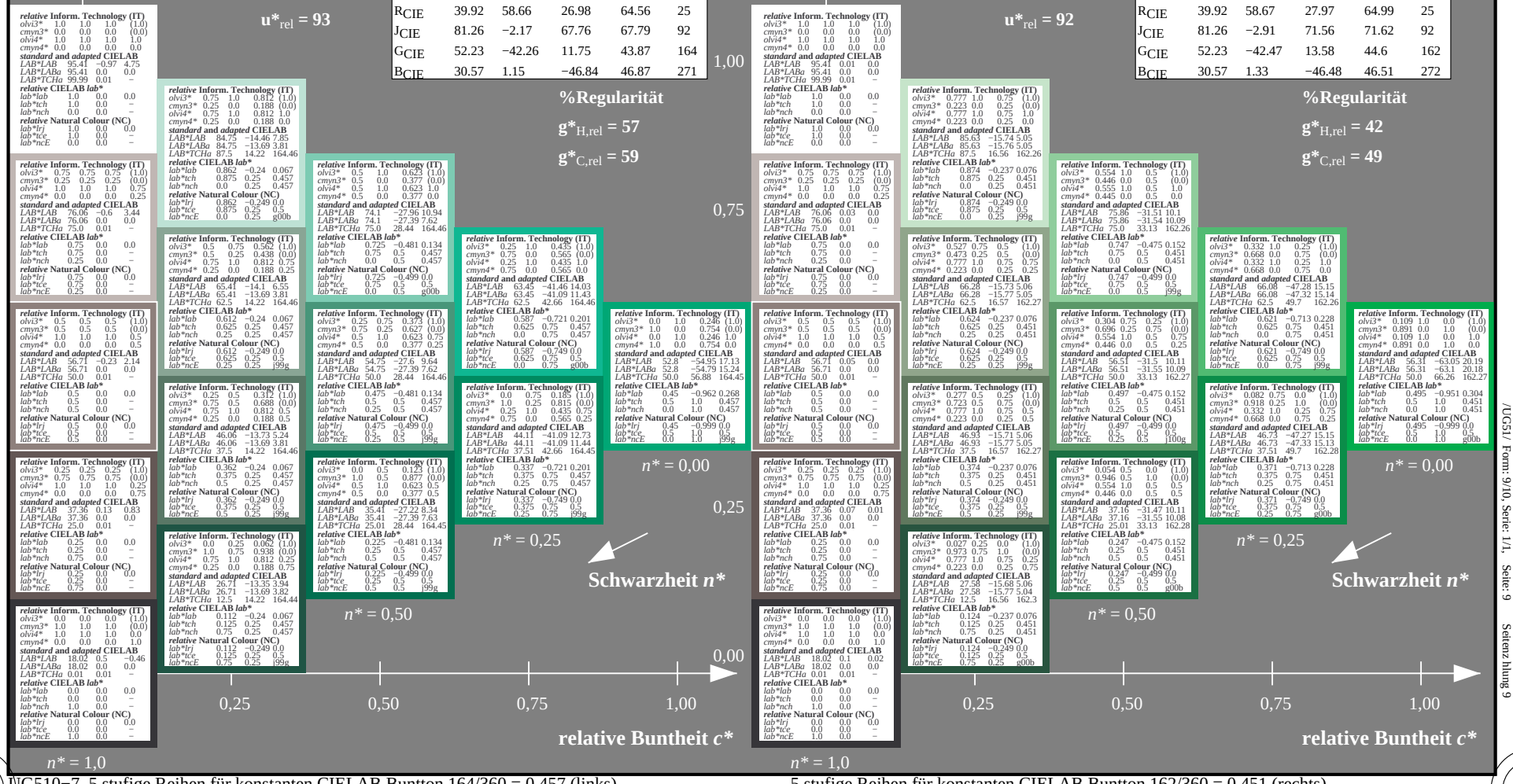


%Umfang
u*$_{rel}$ = 92

%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



UG510−7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

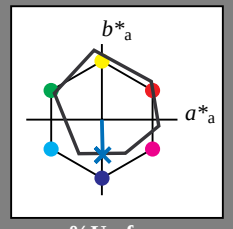
5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton *h* = lab*h = 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*$_{ab,a}$
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

%Regularität

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

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

0,75

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

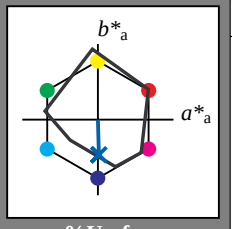
relative Buntheit *c**

Ausgabe: Farbmetrisches Reflexions-System 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*$_{ab,a}$
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

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**

UG510−7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

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