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
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*

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

%Umfang
u^*_{rel} = 93
%Regularität
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

***relative* Inform. Technology (IT)**

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

***standard* and *adapted* CIELAB**

*LAB*LAB*	95.41	0.0	−0.01
*LAB*LABa*	95.41	0.0	0.0
*LAB*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**	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	(0.0)
*olvi4**	0.0	0.0	0.5
*cmyn4**	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	53.21	0.04	0.0
*LAB*LABa*	53.21	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tCe*	0.5	0.0	–
*lab*nCE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

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

***standard* and *adapted* CIELAB**

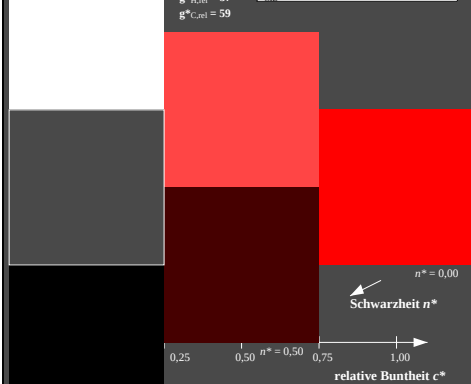
*LAB*LAB*	11.01	0.07	0.01
*LAB*LABa*	11.01	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*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	–



3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

Ausgabe: Farbmetrisches Reflexions-System NRS11

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

D65: Buntton R
LCH*Ma: 53 84 24
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*

NRS11; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	53.2	77.06	34.32	84.36	24
J_{Ma}	53.2	−1.51	84.38	84.39	91
G_{Ma}	53.2	−82.27	18.98	84.44	167
$G50B_{Ma}$	53.2	−77.72	−32.98	84.44	203
B_{Ma}	53.2	4.37	−84.28	84.41	273
$B50R_{Ma}$	53.2	69.09	−48.41	84.37	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.69	27.98	65.01	25
J_{CIE}	81.26	−2.9	71.56	71.62	92
G_{CIE}	52.23	−42.45	13.59	44.59	162
B_{CIE}	30.57	1.35	−46.48	46.51	272

%Umfang
u^*_{rel} = 119
%Regularität
$g^*_{H,rel}$ = 47
$g^*_{C,rel}$ = 100

***relative* Inform. Technology (IT)**

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

***standard* and *adapted* CIELAB**

*LAB*LAB*	74.3	38.55	17.16
*LAB*LABa*	74.3	38.52	17.16
*LAB*TCHa*	75.0	42.17	24.01

relative* CIELAB *lab*

*lab*lab*	0.75	0.457	0.203
*lab*tch*	0.75	0.5	0.067
*lab*nch*	0.0	0.5	0.067

***relative* Natural Colour (NC)**

*lab*lrj*	0.75	0.5	−0.009
*lab*tCe*	0.75	0.5	0.997
*lab*nCE*	0.0	0.5	b98r

***relative* Inform. Technology (IT)**

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

***standard* and *adapted* CIELAB**

*LAB*LAB*	32.1	38.58	17.17
*LAB*LABa*	32.1	38.52	17.16
*LAB*TCHa*	25.01	42.17	24.01

relative* CIELAB *lab*

*lab*lab*	0.25	0.457	0.203
*lab*tch*	0.25	0.5	0.067
*lab*nch*	0.5	0.5	0.067

***relative* Natural Colour (NC)**

*lab*lrj*	0.25	0.5	−0.009
*lab*tCe*	0.25	0.5	0.997
*lab*nCE*	0.5	0.5	b98r

***relative* Inform. Technology (IT)**

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

***standard* and *adapted* CIELAB**

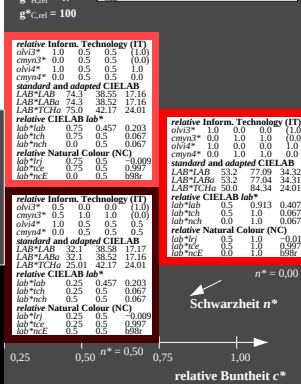
*LAB*LAB*	53.2	77.09	34.32
*LAB*LABa*	53.2	77.04	34.31
*LAB*TCHa*	50.0	84.34	24.01

relative* CIELAB *lab*

*lab*lab*	0.5	0.913	0.407
*lab*tch*	0.5	1.0	0.067
*lab*nch*	0.0	1.0	0.067

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	1.0	−0.019
*lab*tCe*	0.5	1.0	0.997
*lab*nCE*	0.5	1.0	b98r



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

BAM-Prüfvorlage UG02; Farbmetrik-Systeme ORS18 & NRS11input: *cmy0* setcmykcolor*
D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *olv* setrgbcolor / w* setgray*