

Eingabe: Farbmétrisches Reflexions-System ORS18
für Bunton $h^* = lab^*h = 151/360 = 0.419$

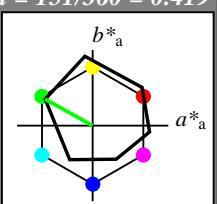
lab^*tch und lab^*nch

D65: Bunton L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



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

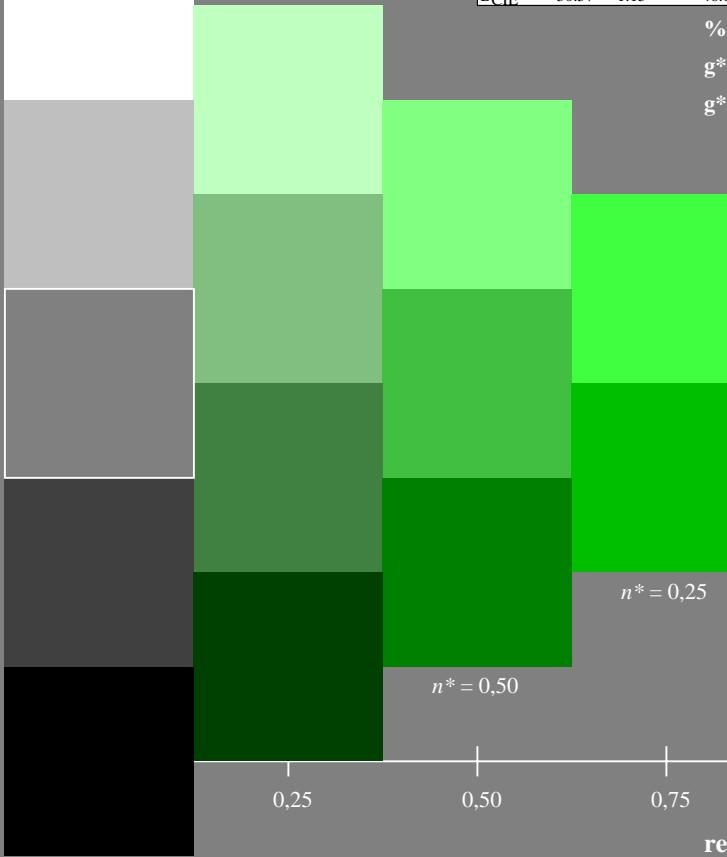
ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_{aa}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$
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

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

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



Ausgabe: Farbmétrisches Reflexions-System NRS11

für Bunton $h^* = lab^*h = 167/360 = 0.464$

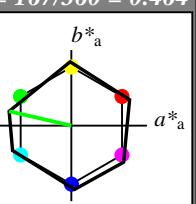
lab^*tch und lab^*nch

D65: Bunton G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang
 $u^*_{rel} = 119$

relative Inform. Technology (IT)

olv^3* 1.0 1.0 1.0 (1,0)
 $cmyn3*$ 0.5 0.5 0.5 (0,0)

olv^4* 0.5 1.0 1.0
 $cmyn4*$ 0.0 0.0 0.0

standard and adapted CIELAB
 LAB^*LAB 0.0 0.0 0.0
 LAB^*LCh 95.41 0.0 0.0
 LAB^*TCh 99.99 0.01 -

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

relative Natural Colour (NC)
 lab^*lrj 0.0 0.0 0.0
 lab^*ice 1.0 0.0 0.0
 lab^*nCE 0.0 0.0 -

standard and adapted CIELAB
 LAB^*LAB 74.31 0.02 0.0
 LAB^*LCh 74.31 0.0 0.0
 LAB^*TCh 75.01 0.01 -

relative CIELAB lab^*
 lab^*lab 0.5 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^*lrj 0.75 0.0 0.0
 lab^*ice 0.25 0.0 0.0
 lab^*nCE 0.0 0.0 -

standard and adapted CIELAB
 LAB^*LAB 63.75 -20.53 4.75
 LAB^*LCh 63.75 -20.56 4.73
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.625 -0.243 0.056
 lab^*tch 0.75 0.25 0.464
 lab^*nch 0.0 0.25 0.464

relative Natural Colour (NC)
 lab^*lrj 0.625 -0.248 -0.016
 lab^*ice 0.25 0.25 0.511
 lab^*nCE 0.0 0.25 0.504

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.12 9.49
 LAB^*LCh 63.75 -41.12 9.49
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.5 0.25 0.5
 lab^*tch 0.75 0.25 0.5
 lab^*nch 0.25 0.25 0.5

relative Natural Colour (NC)
 lab^*lrj 0.5 0.0 0.5
 lab^*ice 0.25 0.0 0.5
 lab^*nCE 0.0 0.0 -

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.625 -0.243 0.056
 lab^*tch 0.75 0.25 0.464
 lab^*nch 0.0 0.25 0.464

relative Natural Colour (NC)
 lab^*lrj 0.625 -0.248 -0.016
 lab^*ice 0.25 0.25 0.511
 lab^*nCE 0.0 0.25 0.504

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.5 0.25 0.5
 lab^*tch 0.75 0.25 0.5
 lab^*nch 0.25 0.25 0.5

relative Natural Colour (NC)
 lab^*lrj 0.5 0.0 0.5
 lab^*ice 0.25 0.0 0.5
 lab^*nCE 0.0 0.0 -

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.625 -0.243 0.056
 lab^*tch 0.75 0.25 0.464
 lab^*nch 0.0 0.25 0.464

relative Natural Colour (NC)
 lab^*lrj 0.625 -0.248 -0.016
 lab^*ice 0.25 0.25 0.511
 lab^*nCE 0.0 0.25 0.504

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.5 0.25 0.5
 lab^*tch 0.75 0.25 0.5
 lab^*nch 0.25 0.25 0.5

relative Natural Colour (NC)
 lab^*lrj 0.5 0.0 0.5
 lab^*ice 0.25 0.0 0.5
 lab^*nCE 0.0 0.0 -

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.625 -0.243 0.056
 lab^*tch 0.75 0.25 0.464
 lab^*nch 0.0 0.25 0.464

relative Natural Colour (NC)
 lab^*lrj 0.625 -0.248 -0.016
 lab^*ice 0.25 0.25 0.511
 lab^*nCE 0.0 0.25 0.504

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.5 0.25 0.5
 lab^*tch 0.75 0.25 0.5
 lab^*nch 0.25 0.25 0.5

relative Natural Colour (NC)
 lab^*lrj 0.5 0.0 0.5
 lab^*ice 0.25 0.0 0.5
 lab^*nCE 0.0 0.0 -

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.625 -0.243 0.056
 lab^*tch 0.75 0.25 0.464
 lab^*nch 0.0 0.25 0.464

relative Natural Colour (NC)
 lab^*lrj 0.625 -0.248 -0.016
 lab^*ice 0.25 0.25 0.511
 lab^*nCE 0.0 0.25 0.504

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.5 0.25 0.5
 lab^*tch 0.75 0.25 0.5
 lab^*nch 0.25 0.25 0.5

relative Natural Colour (NC)
 lab^*lrj 0.5 0.0 0.5
 lab^*ice 0.25 0.0 0.5
 lab^*nCE 0.0 0.0 -

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.625 -0.243 0.056
 lab^*tch 0.75 0.25 0.464
 lab^*nch 0.0 0.25 0.464

relative Natural Colour (NC)
 lab^*lrj 0.625 -0.248 -0.016
 lab^*ice 0.25 0.25 0.511
 lab^*nCE 0.0 0.25 0.504

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.5 0.25 0.5
 lab^*tch 0.75 0.25 0.5
 lab^*nch 0.25 0.25 0.5

relative Natural Colour (NC)
 lab^*lrj 0.5 0.0 0.5
 lab^*ice 0.25 0.0 0.5
 lab^*nCE 0.0 0.0 -

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.625 -0.243 0.056
 lab^*tch 0.75 0.25 0.464
 lab^*nch 0.0 0.25 0.464

relative Natural Colour (NC)
 lab^*lrj 0.625 -0.248 -0.016
 lab^*ice 0.25 0.25 0.511
 lab^*nCE 0.0 0.25 0.504

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.5 0.25 0.5
 lab^*tch 0.75 0.25 0.5
 lab^*nch 0.25 0.25 0.5

relative Natural Colour (NC)
 lab^*lrj 0.5 0.0 0.5
 lab^*ice 0.25 0.0 0.5
 lab^*nCE 0.0 0.0 -

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.625 -0.243 0.056
 lab^*tch 0.75 0.25 0.464
 lab^*nch 0.0 0.25 0.464

relative Natural Colour (NC)
 lab^*lrj 0.625 -0.248 -0.016
 lab^*ice 0.25 0.25 0.511
 lab^*nCE 0.0 0.25 0.504

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.5 0.25 0.5
 lab^*tch 0.75 0.25 0.5
 lab^*nch 0.25 0.25 0.5

relative Natural Colour (NC)
 lab^*lrj 0.5 0.0 0.5
 lab^*ice 0.25 0.0 0.5
 lab^*nCE 0.0 0.0 -

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.625 -0.243 0.056
 lab^*tch 0.75 0.25 0.464
 lab^*nch 0.0 0.25 0.464

relative Natural Colour (NC)
 lab^*lrj 0.625 -0.248 -0.016
 lab^*ice 0.25 0.25 0.511
 lab^*nCE 0.0 0.25 0.504

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.5 0.25 0.5
 lab^*tch 0.75 0.25 0.5
 lab^*nch 0.25 0.25 0.5

relative Natural Colour (NC)
 lab^*lrj 0.5 0.0 0.5
 lab^*ice 0.25 0.0 0.5
 lab^*nCE 0.0 0.0 -

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.625 -0.243 0.056
 lab^*tch 0.75 0.25 0.464
 lab^*nch 0.0 0.25 0.464

relative Natural Colour (NC)
 lab^*lrj 0.625 -0.248 -0.016
 lab^*ice 0.25 0.25 0.511
 lab^*nCE 0.0 0.25 0.504

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.5 0.25 0.5
 lab^*tch 0.75 0.25 0.5
 lab^*nch 0.25 0.25 0.5

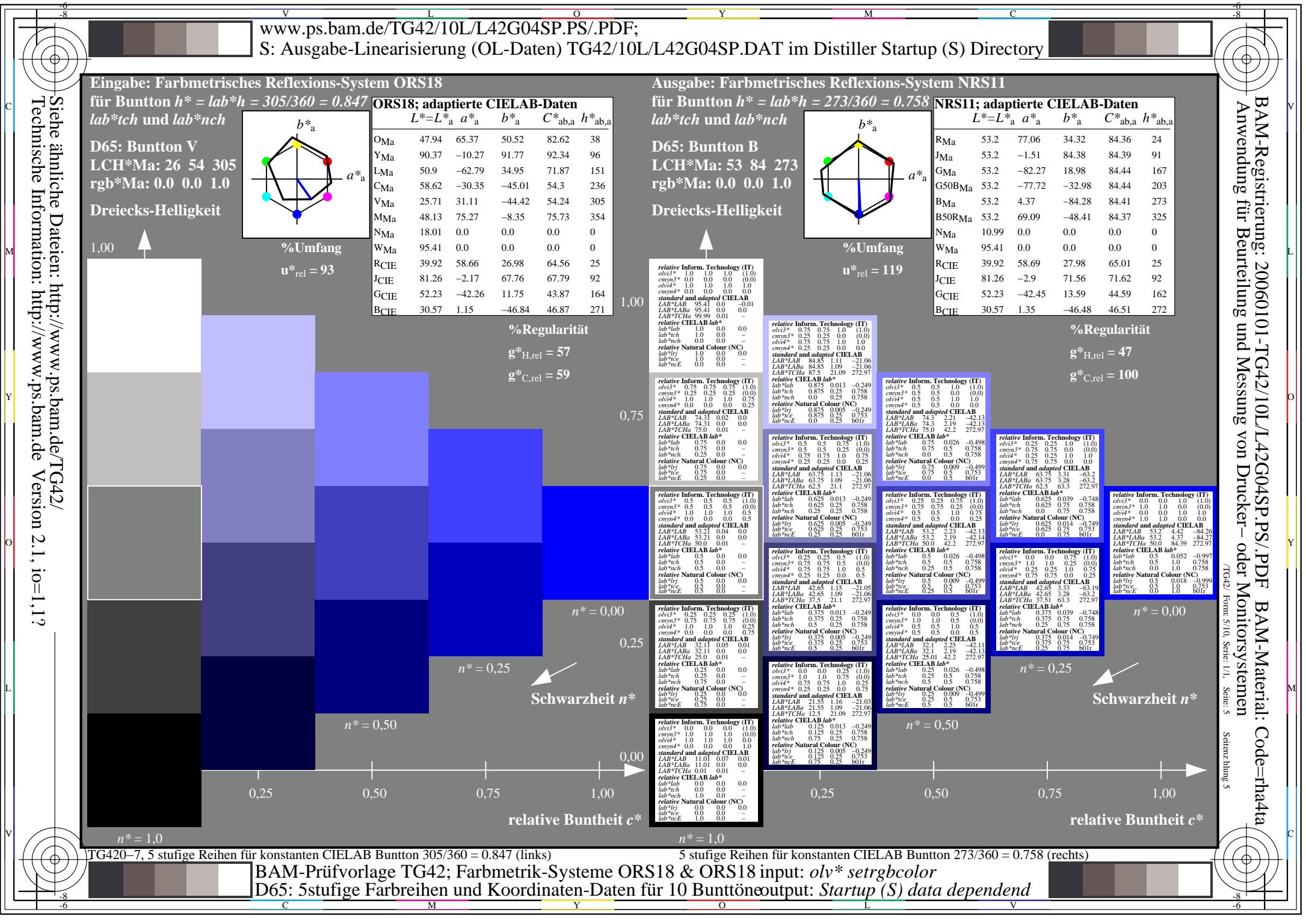
relative Natural Colour (NC)
 lab^*lrj 0.5 0.0 0.5
 lab^*ice 0.25 0.0 0.5
 lab^*nCE 0.0 0.0 -

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB^*TCh 64.22 21.11 167.01

relative CIELAB lab^*
 lab^*lab 0.625 -0.243 0.056
 lab^*tch 0.75 0.25 0.464
 lab^*nch 0.0 0.25 0.464

relative Natural Colour (NC)
 lab^*lrj 0.625 -0.248 -0.016
 lab^*ice 0.25 0.25 0.511
 lab^*nCE 0.0 0.25 0.504

standard and adapted CIELAB
 LAB^*LAB 63.75 -41.09 9.53
 LAB^*LCh 63.75 -41.09 9.53
 LAB

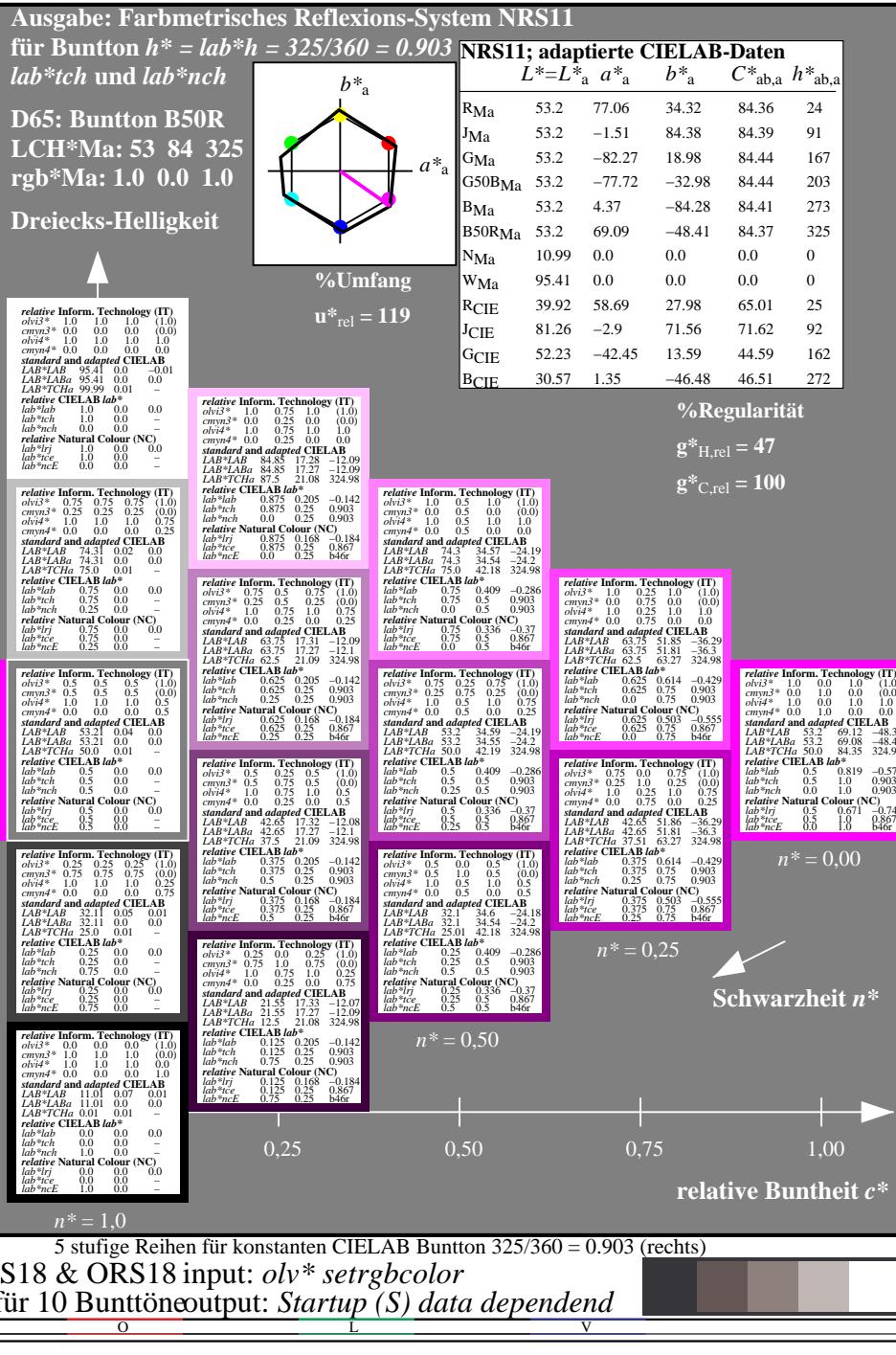
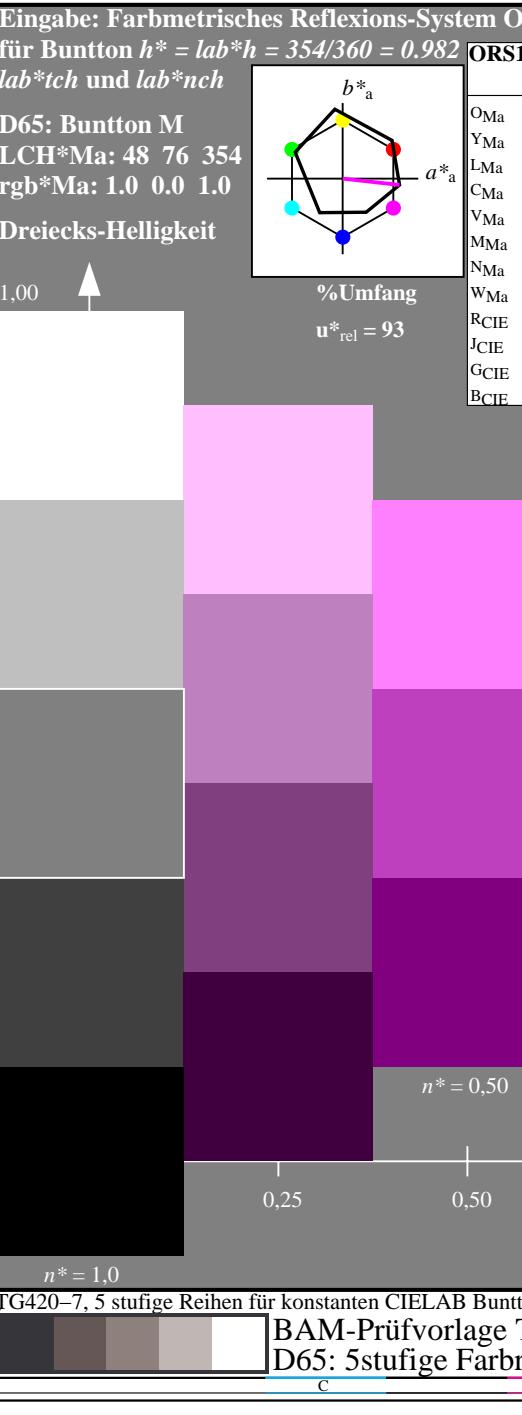


L^*	a^*	b^*	C^*	h^*
RMa	53.2	77.06	34.32	84.36
JMa	53.2	-1.51	84.38	84.39
GMa	53.2	-82.27	18.98	84.44
G50BMa	53.2	-77.72	-32.98	84.44
BMa	53.2	4.37	-84.28	84.41
B50RMa	53.2	69.09	-48.41	84.37
NMa	10.99	0.0	0.0	0
WMa	95.41	0.0	0.0	0
R.CIE	39.92	58.69	27.98	65.01
J.CIE	81.26	-2.9	71.56	71.62
G.CIE	52.23	-42.45	13.59	44.59
B.CIE	30.57	1.35	-46.48	46.51

L^*	a^*	b^*	C^*	h^*
relative Inform. Technology (IT)	0.0	0.75	1.0	(1.0)
olv3*	1.0	1.0	0.75	(0.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	0.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB* ^{lab}	0.0	0.0	0.0	0.0
LAB* ^{TCh}	99.99	0.01	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab* ^{lab}	0.0	0.0	0.0	0.0
lab* ^{tch}	1.0	0.0	0.0	0.0
lab* ^{nch}	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab* ^{trj}	1.0	0.0	0.0	0.0
lab* ^{ice}	0.0	0.0	0.0	0.0
lab* ^{nCE}	0.0	0.0	0.0	0.0
relative Inform. Technology (IT)	0.0	0.75	1.0	(1.0)
olv3*	1.0	1.0	0.75	(0.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	0.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB* ^{lab}	74.31	0.02	0.0	0.0
LAB* ^{TCh}	74.31	0.01	0.0	0.0
relative CIELAB n*	0.0	0.0	0.0	0.0
lab* ^{lab}	0.75	0.0	0.0	0.0
lab* ^{tch}	0.75	0.0	0.0	0.0
lab* ^{nch}	0.75	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab* ^{trj}	0.75	0.0	0.0	0.0
lab* ^{ice}	0.75	0.0	0.0	0.0
lab* ^{nCE}	0.75	0.0	0.0	0.0
relative Inform. Technology (IT)	0.0	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	0.75	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB* ^{lab}	53.33	0.04	0.0	0.0
LAB* ^{TCh}	53.33	0.01	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab* ^{lab}	0.75	0.0	0.0	0.0
lab* ^{tch}	0.75	0.0	0.0	0.0
lab* ^{nch}	0.75	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab* ^{trj}	0.75	0.0	0.0	0.0
lab* ^{ice}	0.75	0.0	0.0	0.0
lab* ^{nCE}	0.75	0.0	0.0	0.0
relative Inform. Technology (IT)	0.0	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	0.75	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB* ^{lab}	53.33	0.04	0.0	0.0
LAB* ^{TCh}	53.33	0.01	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab* ^{lab}	0.75	0.0	0.0	0.0
lab* ^{tch}	0.75	0.0	0.0	0.0
lab* ^{nch}	0.75	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab* ^{trj}	0.75	0.0	0.0	0.0
lab* ^{ice}	0.75	0.0	0.0	0.0
lab* ^{nCE}	0.75	0.0	0.0	0.0
relative Inform. Technology (IT)	0.0	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	0.75	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB* ^{lab}	32.11	0.05	0.01	0.0
LAB* ^{TCh}	32.11	0.01	0.0	0.0
relative CIELAB n*	0.0	0.0	0.0	0.0
lab* ^{lab}	0.25	0.0	0.0	0.0
lab* ^{tch}	0.25	0.0	0.0	0.0
lab* ^{nch}	0.25	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab* ^{trj}	0.25	0.0	0.0	0.0
lab* ^{ice}	0.25	0.0	0.0	0.0
lab* ^{nCE}	0.25	0.0	0.0	0.0
relative Inform. Technology (IT)	0.0	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	0.25	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB* ^{lab}	11.01	0.07	0.01	0.0
LAB* ^{TCh}	0.01	0.01	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab* ^{lab}	0.0	0.0	0.0	0.0
lab* ^{tch}	0.0	0.0	0.0	0.0
lab* ^{nch}	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab* ^{trj}	0.0	0.0	0.0	0.0
lab* ^{ice}	0.0	0.0	0.0	0.0
lab* ^{nCE}	0.0	0.0	0.0	0.0
relative Inform. Technology (IT)	0.0	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	0.75	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB* ^{lab}	21.55	17.33	-12.07	0.0
LAB* ^{TCh}	21.55	21.09	-12.08	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab* ^{lab}	0.125	0.205	-0.142	0.0
lab* ^{tch}	0.125	0.205	-0.142	0.0
lab* ^{nch}	0.125	0.205	-0.142	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab* ^{trj}	0.125	0.168	-0.184	0.0
lab* ^{ice}	0.125	0.168	-0.184	0.0
lab* ^{nCE}	0.125	0.168	-0.184	0.0
relative Inform. Technology (IT)	0.0	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	0.75	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB* ^{lab}	32.11	0.05	0.01	0.0
LAB* ^{TCh}	32.11	0.01	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab* ^{lab}	0.0	0.0	0.0	0.0
lab* ^{tch}	0.0	0.0	0.0	0.0
lab* ^{nch}	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab* ^{trj}	0.0	0.0	0.0	0.0
lab* ^{ice}	0.0	0.0	0.0	0.0
lab* ^{nCE}	0.0	0.0	0.0	0.0
relative Inform. Technology (IT)	0.0	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	0.75	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB* ^{lab}	32.11	0.05	0.01	0.0
LAB* ^{TCh}	32.11	0.01	0.0	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab* ^{lab}	0.0	0.0	0.0	0.0
lab* ^{tch}	0.0	0.0	0.0	0.0
lab* ^{nch}	0.0	0.0	0.0	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab* ^{trj}	0.0	0.0	0.0	0.0
lab* ^{ice}	0.0	0.0	0.0	0.0
lab* ^{nCE}	0.0	0.0	0.0	0.0

L^*	a^*	b^*	C^*	h^*
relative Inform. Technology (IT)	0.0	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	0.75	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB* ^{lab}	53.33	19.09	-36.33	0.0
LAB* ^{TCh}	53.33	21.09	-36.33	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab* ^{lab}	0.125	0.168	-0.184	0.0
lab* ^{tch}	0.125	0.168	-0.184	0.0
lab* ^{nch}	0.125	0.168	-0.184	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab* ^{trj}	0.125	0.168	-0.184	0.0
lab* ^{ice}	0.125	0.168	-0.184	0.0
lab* ^{nCE}	0.125	0.168	-0.184	0.0

L^*	a^*	b^*	C^*	h^*
relative Inform. Technology (IT)	0.0	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	0.75	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	0.0	0.0	0.0	0.0
LAB* ^{lab}	53.33	19.09	-36.33	0.0
LAB* ^{TCh}	53.33	21.09	-36.33	0.0
relative CIELAB lab*	0.0	0.0	0.0	0.0
lab* ^{lab}	0.125	0.168	-0.184	0.0
lab* ^{tch}	0.125	0.168	-0.184	0.0
lab* ^{nch}	0.125	0.168	-0.184	0.0
relative Natural Colour (NC)	0.0	0.0	0.0	0.0
lab* ^{trj}	0.125	0.168	-0.184	0.0
lab* ^{ice}	0.125	0.168	-0.184	0.0
lab* ^{nCE}	0.125	0.168	-0.184	0.0



Eingabe: Farbmétrisches Reflexions-System ORS18

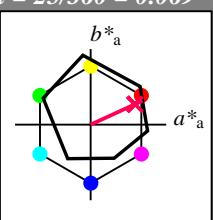
für Bunton $h^* = lab^*h = 25/360 = 0.069$
 lab^*tch und lab^*nch

D65: Bunton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_{aa}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$
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

↑

%Umfang

%Umfang

$u^*_{rel} = 93$

Ausgabe: Farbmétrisches Reflexions-System NRS11

für Bunton $h^* = lab^*h = 25/360 = 0.071$

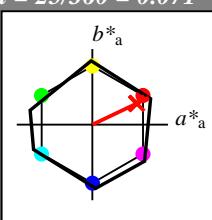
lab^*tch und lab^*nch

D65: Bunton R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit



%Umfang

$u^*_{rel} = 119$

NRS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_{aa}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$
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

%Regularität

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

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

%Regularität

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

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

	$L^* = L^*_a$	a^*_{aa}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$
relative Inform. Technology (IT)	olv3*	1.0	1.0	1.0	(1,0)
cmyn3*	0.0	0.0	0.0	0.0	(0,0)
olv4*	1.0	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB 53.2 0.02 0.0

LAB*TCh 95.41 0.00 0.0

LAB*TCha 99.99 0.01 0.0

relative Inform. Technology (IT)

olv3* 0.5 | 0.5 | 0.5 | 0.5 | (1,0) |

cmyn3* 0.5 | 0.5 | 0.5 | 0.5 | (0,0) |

olv4* 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

cmyn4* 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

standard and adapted CIELAB

LAB*LAB 74.31 0.02 0.0

LAB*TCh 74.31 0.00 0.0

LAB*TCha 75.01 0.01 0.0

relative Inform. Technology (IT)

olv3* 0.5 | 0.5 | 0.5 | 0.5 | (1,0) |

cmyn3* 0.5 | 0.5 | 0.5 | 0.5 | (0,0) |

olv4* 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

cmyn4* 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

standard and adapted CIELAB

LAB*LAB 53.2 0.02 0.0

LAB*TCh 74.31 0.00 0.0

LAB*TCha 75.01 0.01 0.0

relative Inform. Technology (IT)

olv3* 0.5 | 0.5 | 0.5 | 0.5 | (1,0) |

cmyn3* 0.5 | 0.5 | 0.5 | 0.5 | (0,0) |

olv4* 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

cmyn4* 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

standard and adapted CIELAB

LAB*LAB 53.2 0.02 0.0

LAB*TCh 74.31 0.00 0.0

LAB*TCha 75.01 0.01 0.0

relative Inform. Technology (IT)

olv3* 0.5 | 0.5 | 0.5 | 0.5 | (1,0) |

cmyn3* 0.5 | 0.5 | 0.5 | 0.5 | (0,0) |

olv4* 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

cmyn4* 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

standard and adapted CIELAB

LAB*LAB 53.2 0.02 0.0

LAB*TCh 74.31 0.00 0.0

LAB*TCha 75.01 0.01 0.0

relative Inform. Technology (IT)

olv3* 0.5 | 0.5 | 0.5 | 0.5 | (1,0) |

cmyn3* 0.5 | 0.5 | 0.5 | 0.5 | (0,0) |

olv4* 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

cmyn4* 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

standard and adapted CIELAB

LAB*LAB 53.2 0.02 0.0

LAB*TCh 74.31 0.00 0.0

LAB*TCha 75.01 0.01 0.0

relative Inform. Technology (IT)

olv3* 0.5 | 0.5 | 0.5 | 0.5 | (1,0) |

cmyn3* 0.5 | 0.5 | 0.5 | 0.5 | (0,0) |

olv4* 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

cmyn4* 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

standard and adapted CIELAB

LAB*LAB 53.2 0.02 0.0

LAB*TCh 74.31 0.00 0.0

LAB*TCha 75.01 0.01 0.0

relative Inform. Technology (IT)

olv3* 0.5 | 0.5 | 0.5 | 0.5 | (1,0) |

cmyn3* 0.5 | 0.5 | 0.5 | 0.5 | (0,0) |

olv4* 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

cmyn4* 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

standard and adapted CIELAB

LAB*LAB 53.2 0.02 0.0

LAB*TCh 74.31 0.00 0.0

LAB*TCha 75.01 0.01 0.0

relative Inform. Technology (IT)

olv3* 0.5 | 0.5 | 0.5 | 0.5 | (1,0) |

cmyn3* 0.5 | 0.5 | 0.5 | 0.5 | (0,0) |

olv4* 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

cmyn4* 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

standard and adapted CIELAB

LAB*LAB 53.2 0.02 0.0

LAB*TCh 74.31 0.00 0.0

LAB*TCha 75.01 0.01 0.0

relative Inform. Technology (IT)

olv3* 0.5 | 0.5 | 0.5 | 0.5 | (1,0) |

cmyn3* 0.5 | 0.5 | 0.5 | 0.5 | (0,0) |

olv4* 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

cmyn4* 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

standard and adapted CIELAB

LAB*LAB 53.2 0.02 0.0

LAB*TCh 74.31 0.00 0.0

LAB*TCha 75.01 0.01 0.0

relative Inform. Technology (IT)

olv3* 0.5 | 0.5 | 0.5 | 0.5 | (1,0) |

cmyn3* 0.5 | 0.5 | 0.5 | 0.5 | (0,0) |

olv4* 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

cmyn4* 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

standard and adapted CIELAB

LAB*LAB 53.2 0.02 0.0

LAB*TCh 74.31 0.00 0.0

LAB*TCha 75.01 0.01 0.0

relative Inform. Technology (IT)

olv3* 0.5 | 0.5 | 0.5 | 0.5 | (1,0) |

cmyn3* 0.5 | 0.5 | 0.5 | 0.5 | (0,0) |

olv4* 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

cmyn4* 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

standard and adapted CIELAB

LAB*LAB 53.2 0.02 0.0

LAB*TCh 74.31 0.00 0.0

LAB*TCha 75.01 0.01 0.0

relative Inform. Technology (IT)

olv3* 0.5 | 0.5 | 0.5 | 0.5 | (1,0) |

cmyn3* 0.5 | 0.5 | 0.5 | 0.5 | (0,0) |

olv4* 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

cmyn4* 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

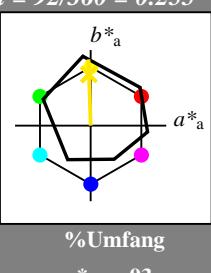
standard and adapted CIELAB

LAB*LAB 53.2 0.02 0.0

Eingabe: Farbmétrisches Reflexions-System ORS18
für Bunton $h^* = lab^*h = 92/360 = 0.255$
 lab^*tch und lab^*nch

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

Dreiecks-Helligkeit



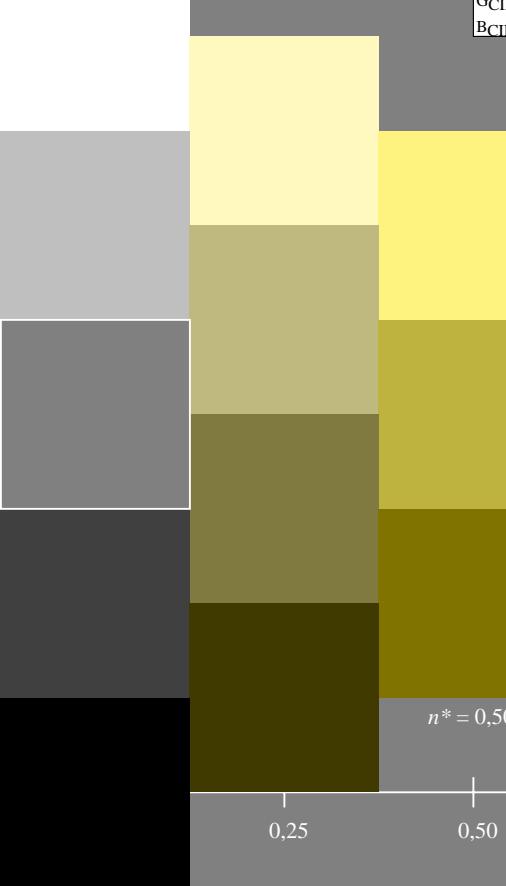
%Umfang
 $u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_{a}	b^*_{a}	$C^*_{ab,a}$	$h^*_{ab,a}$
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

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

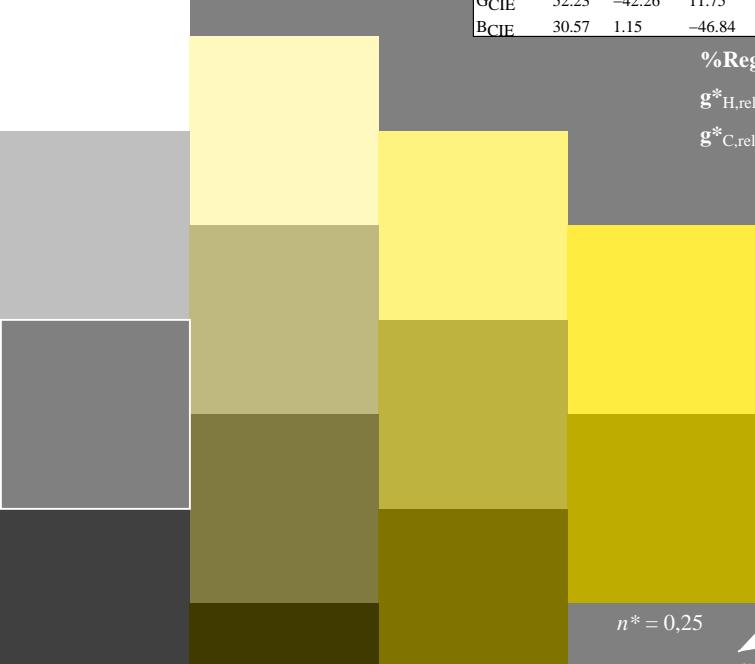


$n^* = 0,50$

%Regularität

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

1,00



$n^* = 0,00$

$n^* = 0,25$

Schwarzheit n^*

0,75

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0,25

0,00

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-0,50

-0,75

-1,00

-1,25

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-57,25

Eingabe: Farbmétrisches Reflexions-System ORS18

für Bunton $h^* = lab^*h = 164/360 = 0.457$

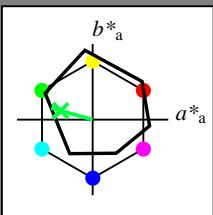
lab^*tch und lab^*nch

D65: Bunton G

LCH*Ma: 53 57 164

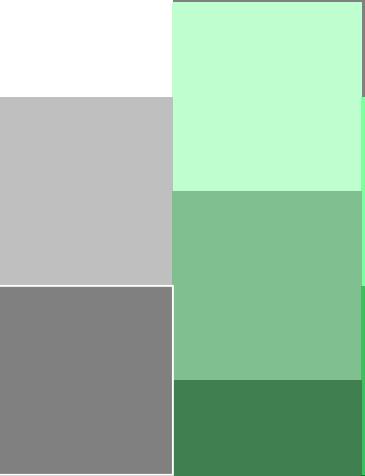
rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit



%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

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

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

Dreiecks-Helligkeit

%Umfang

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olv^* 1.0 1.0 1.0 (1.0)

$cmyn3^*$ 0.0 0.0 0.0 (0.0)

olv^* 1.0 1.0 1.0

$cmyn4^*$ 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 0.02 0.01

LAB^*LCh 94.91 0.01

LAB^*TCh 99.99 0.01

relative CIELAB lab^*

lab^*lab 0.75 0.75 0.75

lab^*tch 1.0 1.0 1.0

lab^*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab^*lrc 1.0 1.0 1.0

lab^*ncE 0.0 0.0 0.0

relative Inform. Technology (IT)

olv^* 0.5 0.5 0.5 (1.0)

$cmyn3^*$ 0.5 0.5 0.5 (0.0)

olv^* 1.0 1.0 1.0

$cmyn4^*$ 0.0 0.0 0.5

standard and adapted CIELAB

LAB^*LAB 53.31 0.04

LAB^*LCh 53.31 0.01

LAB^*TCh 50.01 0.01

relative CIELAB lab^*

lab^*lab 0.75 0.75 0.75

lab^*tch 0.5 0.5 0.5

lab^*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.0 0.0

lab^*ncE 0.25 0.0 0.0

relative Inform. Technology (IT)

olv^* 0.0 0.0 0.0 (1.0)

$cmyn3^*$ 1.0 1.0 1.0 (0.0)

olv^* 0.75 0.75 0.75

$cmyn4^*$ 0.0 0.0 1.0

standard and adapted CIELAB

LAB^*LAB 11.01 0.07

LAB^*LCh 11.01 0.01

LAB^*TCh 0.01 0.01

relative CIELAB lab^*

lab^*lab 0.0 0.0 0.0

lab^*tch 1.0 1.0 1.0

lab^*nch 1.0 1.0 1.0

relative Natural Colour (NC)

lab^*lrc 0.0 0.0 0.0

lab^*ncE 1.0 1.0 1.0

relative Inform. Technology (IT)

olv^* 0.75 0.75 0.75 (1.0)

$cmyn3^*$ 0.75 0.75 0.75 (0.0)

olv^* 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 21.55 0.07

LAB^*LCh 21.55 0.01

LAB^*TCh 23.23 0.00

relative CIELAB lab^*

lab^*lab 0.125 0.125 0.125

lab^*tch 0.25 0.25 0.25

lab^*nch 0.75 0.75 0.75

relative Natural Colour (NC)

lab^*lrc 0.125 0.125 0.125

lab^*ncE 0.75 0.75 0.75

relative Inform. Technology (IT)

olv^* 0.0 0.0 0.0 (1.0)

$cmyn3^*$ 0.0 0.0 0.0 (0.0)

olv^* 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 0.01 0.01

LAB^*LCh 0.01 0.01

LAB^*TCh 0.01 0.01

relative CIELAB lab^*

lab^*lab 0.0 0.0 0.0

lab^*tch 1.0 1.0 1.0

lab^*nch 1.0 1.0 1.0

relative Natural Colour (NC)

lab^*lrc 0.0 0.0 0.0

lab^*ncE 1.0 1.0 1.0

relative Inform. Technology (IT)

olv^* 0.75 0.75 0.75 (1.0)

$cmyn3^*$ 0.75 0.75 0.75 (0.0)

olv^* 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 99.99 0.01

LAB^*LCh 99.99 0.01

LAB^*TCh 99.99 0.01

relative CIELAB lab^*

lab^*lab 0.0 0.0 0.0

lab^*tch 1.0 1.0 1.0

lab^*nch 1.0 1.0 1.0

relative Natural Colour (NC)

lab^*lrc 0.0 0.0 0.0

lab^*ncE 1.0 1.0 1.0

relative Inform. Technology (IT)

olv^* 0.0 0.0 0.0 (1.0)

$cmyn3^*$ 0.0 0.0 0.0 (0.0)

olv^* 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 0.01 0.01

LAB^*LCh 0.01 0.01

LAB^*TCh 0.01 0.01

relative CIELAB lab^*

lab^*lab 0.0 0.0 0.0

lab^*tch 1.0 1.0 1.0

lab^*nch 1.0 1.0 1.0

relative Natural Colour (NC)

lab^*lrc 0.0 0.0 0.0

lab^*ncE 1.0 1.0 1.0

relative Inform. Technology (IT)

olv^* 0.0 0.0 0.0 (1.0)

$cmyn3^*$ 0.0 0.0 0.0 (0.0)

olv^* 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 0.01 0.01

LAB^*LCh 0.01 0.01

LAB^*TCh 0.01 0.01

relative CIELAB lab^*

lab^*lab 0.0 0.0 0.0

lab^*tch 1.0 1.0 1.0

lab^*nch 1.0 1.0 1.0

relative Natural Colour (NC)

lab^*lrc 0.0 0.0 0.0

lab^*ncE 1.0 1.0 1.0

relative Inform. Technology (IT)

olv^* 0.0 0.0 0.0 (1.0)

$cmyn3^*$ 0.0 0.0 0.0 (0.0)

olv^* 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 0.01 0.01

LAB^*LCh 0.01 0.01

LAB^*TCh 0.01 0.01

relative CIELAB lab^*

lab^*lab 0.0 0.0 0.0

lab^*tch 1.0 1.0 1.0

lab^*nch 1.0 1.0 1.0

relative Natural Colour (NC)

lab^*lrc 0.0 0.0 0.0

lab^*ncE 1.0 1.0 1.0

relative Inform. Technology (IT)

olv^* 0.0 0.0 0.0 (1.0)

$cmyn3^*$ 0.0 0.0 0.0 (0.0)

olv^* 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 0.01 0.01

LAB^*LCh 0.01 0.01

LAB^*TCh 0.01 0.01

relative CIELAB lab^*

lab^*lab 0.0 0.0 0.0

lab^*tch 1.0 1.0 1.0

lab^*nch 1.0 1.0 1.0

relative Natural Colour (NC)

lab^*lrc 0.0 0.0 0.0

lab^*ncE 1.0 1.0 1.0

relative Inform. Technology (IT)

olv^* 0.0 0.0 0.0 (1.0)

$cmyn3^*$ 0.0 0.0 0.0 (0.0)

olv^* 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 0.01 0.01

LAB^*LCh 0.01 0.01

LAB^*TCh 0.01 0.01

relative CIELAB lab^*

lab^*lab 0.0 0.0 0.0

lab^*tch 1.0 1.0 1.0

lab^*nch 1.0 1.0 1.0

relative Natural Colour (NC)

lab^*lrc 0.0 0.0 0.0

lab^*ncE 1.0 1.0 1.0

relative Inform. Technology (IT)

olv^* 0.0 0.0 0.0 (1.0)

