

Siehe ähnliche Dateien: <http://www.ps.bam.de/OG11/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0,0?

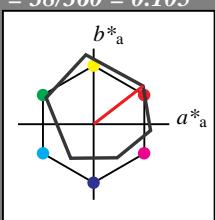
Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18
für Bunton $h^* = lab^*h = 38/360 = 0.105$
 lab^*tch und lab^*nch

D65: Bunton O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
 $olv13^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olv4^*$ 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 -0.98 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^*lrij 1.0 0.0 0.0
 lab^*ice 1.0 0.0 -
 lab^*nCE 0.0 0.0 -

relative Inform. Technology (IT)
 $olv13^*$ 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 $olv4^*$ 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 -0.24 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^*lrij 0.5 0.0 0.0
 lab^*ice 0.5 0.0 -
 lab^*nCE 0.5 0.0 -

relative Inform. Technology (IT)
 $olv13^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olv4^*$ 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 -0.47
 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^*lrij 0.0 0.0 0.0
 lab^*ice 0.0 0.0 -
 lab^*nCE 1.0 0.0 -

$n^* = 1,0$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	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	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

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

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

relative Inform. Technology (IT)

$olv13^*$ 1.0 0.5 0.5 (1.0)

$cmyn3^*$ 0.0 0.5 0.5 (0.0)

$olv4^*$ 1.0 0.5 0.5 1.0

$cmyn4^*$ 0.0 0.5 0.5 0.0

standard and adapted CIELAB

LAB^*LAB 71.67 32.15 28.41

LAB^*LABa 71.67 32.69 25.25

LAB^*TChA 75.0 41.31 37.69

relative CIELAB lab*

lab^*lab 0.693 0.396 0.306

lab^*tch 0.75 0.5 0.105

lab^*nch 0.0 0.5 0.105

relative Natural Colour (NC)

lab^*lrij 0.693 0.477 0.15

lab^*ice 0.75 0.5 0.048

lab^*nCE 0.0 0.5 r19j

relative Inform. Technology (IT)

$olv13^*$ 0.0 1.0 1.0 (1.0)

$cmyn3^*$ 0.0 1.0 1.0 (0.0)

$olv4^*$ 1.0 0.0 0.0 1.0

$cmyn4^*$ 0.0 1.0 1.0 0.0

standard and adapted CIELAB

LAB^*LAB 47.94 65.3 52.06

LAB^*LABa 47.94 65.37 50.51

LAB^*TChA 50.0 82.61 37.69

relative CIELAB lab*

lab^*lab 0.387 0.791 0.611

lab^*tch 0.5 1.0 0.105

lab^*nch 0.0 1.0 0.105

relative Natural Colour (NC)

lab^*lrij 0.387 0.954 0.299

lab^*ice 0.5 1.0 0.048

lab^*nCE 0.0 1.0 r19j

relative Inform. Technology (IT)

$olv13^*$ 0.5 0.0 0.0 (1.0)

$cmyn3^*$ 0.5 1.0 1.0 (0.0)

$olv4^*$ 1.0 1.0 1.0 0.0

$cmyn4^*$ 0.0 0.0 0.0 1.0

standard and adapted CIELAB

LAB^*LAB 32.98 32.9 25.8

LAB^*LABa 32.98 32.69 25.25

LAB^*TChA 25.01 41.31 37.69

relative CIELAB lab*

lab^*lab 0.193 0.396 0.306

lab^*tch 0.25 0.5 0.105

lab^*nch 0.5 0.5 0.105

relative Natural Colour (NC)

lab^*lrij 0.193 0.477 0.15

lab^*ice 0.25 0.5 0.048

lab^*nCE 0.5 0.5 r19j

relative Inform. Technology (IT)

$olv13^*$ 1.0 1.0 1.0 (1.0)

$cmyn3^*$ 1.0 1.0 1.0 (0.0)

$olv4^*$ 1.0 1.0 1.0 0.0

$cmyn4^*$ 0.0 0.0 0.0 1.0

standard and adapted CIELAB

LAB^*LAB 32.98 32.9 25.8

LAB^*LABa 32.98 32.69 25.25

LAB^*TChA 25.01 41.31 37.69

relative CIELAB lab*

lab^*lab 0.193 0.396 0.306

lab^*tch 0.25 0.5 0.105

lab^*nch 0.5 0.5 0.105

relative Natural Colour (NC)

lab^*lrij 0.193 0.477 0.15

lab^*ice 0.25 0.5 0.048

lab^*nCE 0.5 0.5 r19j

relative Inform. Technology (IT)

$olv13^*$ 1.0 1.0 1.0 (1.0)

$cmyn3^*$ 1.0 1.0 1.0 (0.0)

$olv4^*$ 1.0 1.0 1.0 0.0

$cmyn4^*$ 0.0 0.0 0.0 1.0

standard and adapted CIELAB

LAB^*LAB 32.98 32.9 25.8

LAB^*LABa 32.98 32.69 25.25

LAB^*TChA 25.01 41.31 37.69

relative CIELAB lab*

lab^*lab 0.193 0.396 0.306

lab^*tch 0.25 0.5 0.105

lab^*nch 0.5 0.5 0.105

relative Natural Colour (NC)

lab^*lrij 0.193 0.477 0.15

lab^*ice 0.25 0.5 0.048

lab^*nCE 0.5 0.5 r19j

relative Inform. Technology (IT)

$olv13^*$ 1.0 1.0 1.0 (1.0)

$cmyn3^*$ 1.0 1.0 1.0 (0.0)

$olv4^*$ 1.0 1.0 1.0 0.0

$cmyn4^*$ 0.0 0.0 0.0 1.0

standard and adapted CIELAB

LAB^*LAB 32.98 32.9 25.8

LAB^*LABa 32.98 32.69 25.25

LAB^*TChA 25.01 41.31 37.69

relative CIELAB lab*

lab^*lab 0.193 0.396 0.306

lab^*tch 0.25 0.5 0.105

lab^*nch 0.5 0.5 0.105

relative Natural Colour (NC)

lab^*lrij 0.193 0.477 0.15

lab^*ice 0.25 0.5 0.048

lab^*nCE 0.5 0.5 r19j

relative Inform. Technology (IT)

$olv13^*$ 1.0 1.0 1.0 (1.0)

$cmyn3^*$ 1.0 1.0 1.0 (0.0)

$olv4^*$ 1.0 1.0 1.0 0.0

$cmyn4^*$ 0.0 0.0 0.0 1.0

standard and adapted CIELAB

LAB^*LAB 32.98 32.9 25.8

LAB^*LABa 32.98 32.69 25.25

LAB^*TChA 25.01 41.31 37.69

relative CIELAB lab*

lab^*lab 0.193 0.396 0.306

lab^*tch 0.25 0.5 0.105

lab^*nch 0.5 0.5 0.105

relative Natural Colour (NC)

lab^*lrij 0.193 0.477 0.15

lab^*ice 0.25 0.5 0.048

lab^*nCE 0.5 0.5 r19j

relative Inform. Technology (IT)

$olv13^*$ 1.0 1.0 1.0 (1.0)

$cmyn3^*$ 1.0 1.0 1.0 (0.0)

$olv4^*$ 1.0 1.0 1.0 0.0

$cmyn4^*$ 0.0 0.0 0.0 1.0

standard and adapted CIELAB

LAB^*LAB 32.98 32.9 25.8

LAB^*LABa 32.98 32.69 25.25

LAB^*TChA 25.01 41.31 37.69

relative CIELAB lab*

lab^*lab 0.193 0.396 0.306

lab^*tch 0.25 0.5 0.105

lab^*nch 0.5 0.5 0.105

relative Natural Colour (NC)

lab^*lrij 0.193 0.477 0.15

lab^*ice 0.25 0.5 0.048

lab^*nCE 0.5 0.5 r19j

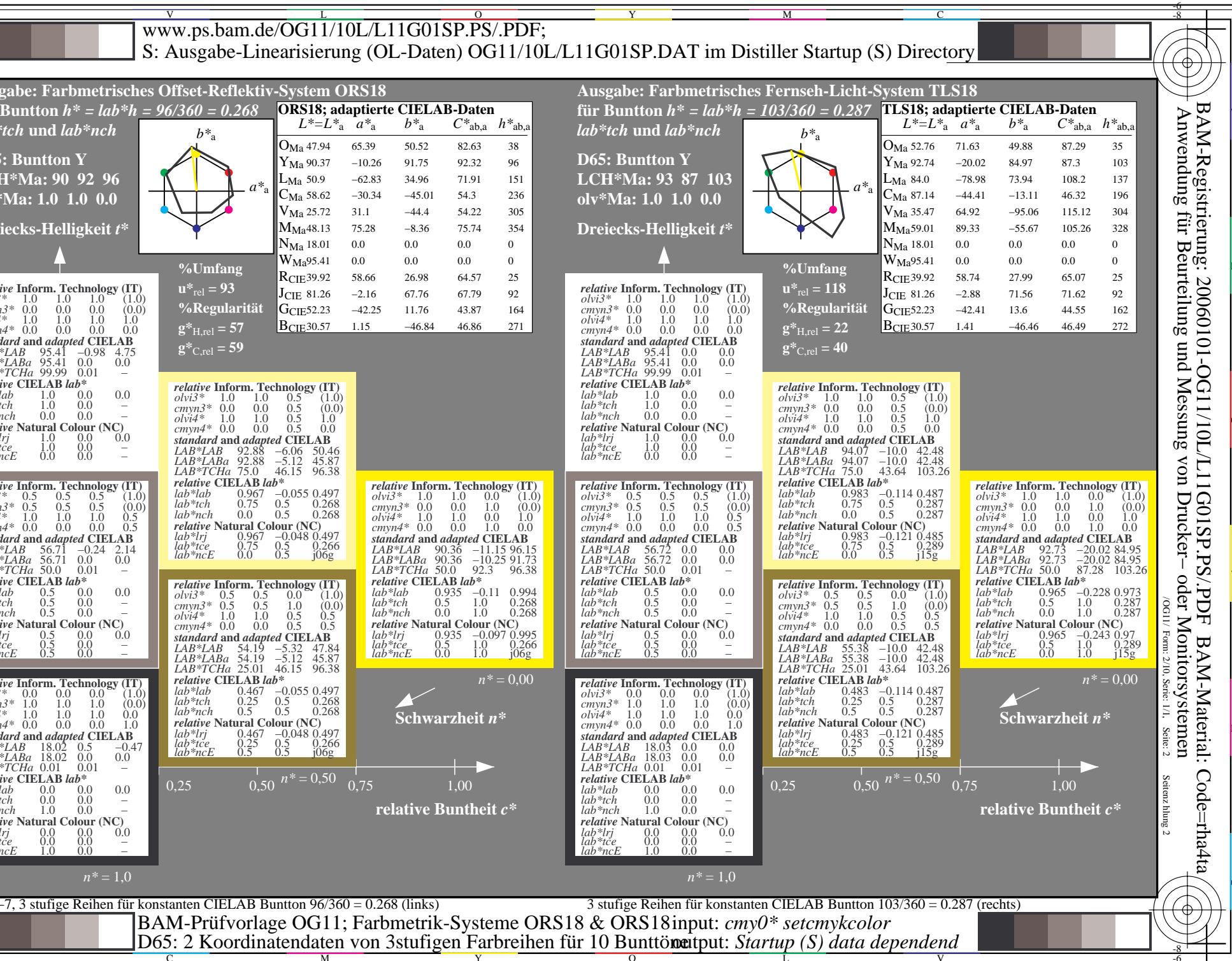
relative Inform. Technology (IT)

$olv13^*$ 1.0 1.0 1.0 (1.0)

$cmyn3^*$ 1.0 1.0 1.0 (0.0)

$olv4^*$ 1.0 1.0 1.0 0.0

$cmyn4^*$ 0.0 0.0



Siehe ähnliche Dateien: <http://www.ps.bam.de/OG11/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0,0?

Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

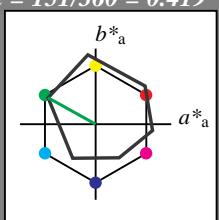
für Bunton $h^* = lab^*h = 151/360 = 0.419$
 lab^*tch und lab^*nch

D65: Bunton L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)

cmy3* 0.0 0.0 0.0 (0.0)

olv4* 1.0 1.0 1.0 1.0

cmy4* 0.0 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 95.41 -0.98 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)

olv3* 0.5 0.5 0.5 (1.0)

cmy3* 0.5 0.5 0.5 (0.0)

olv4* 0.5 1.0 1.0 1.0

cmy4* 0.5 0.0 0.5 0.0

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*TChA 99.99 0.01 -

relative CIELAB lab*

lab*lab 0.712 -0.436 0.243

lab*tch 0.75 0.5 0.419

lab*nch 0.0 0.5 0.419

relative Natural Colour (NC)

lab*lrj 0.712 -0.478 0.144

lab*tce 0.75 0.5 0.453

lab*nCE 0.0 0.5 j81g

relative Inform. Technology (IT)

olv3* 0.0 0.5 0.0 (1.0)

cmy3* 1.0 1.0 1.0 (0.0)

olv4* 1.0 1.0 1.0 0.0

cmy4* 0.0 0.0 0.0 1.0

standard and adapted CIELAB

LAB*LAB 18.02 0.5 -0.47

LAB*LABa 18.02 0.0 0.0

LAB*TChA 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.213 -0.436 0.243

lab*tch 0.25 0.5 0.419

lab*nch 0.5 0.5 0.419

relative Natural Colour (NC)

lab*lrj 0.213 -0.478 0.144

lab*tce 0.25 0.5 0.453

lab*nCE 0.5 0.5 j81g

$n^* = 1,0$

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

relative Buntheit c^*

$n^* = 0,00$

Schwarzheit n^*

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

für Bunton $h^* = lab^*h = 137/360 = 0.38$

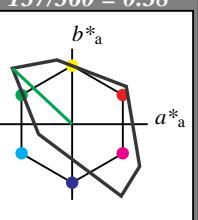
lab*tch und lab*nch

D65: Bunton L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

relative Inform. Technology (IT)

olv3* 1.0 1.0 1.0 (1.0)

cmy3* 0.0 0.0 0.0 (0.0)

olv4* 1.0 1.0 1.0 1.0

cmy4* 0.0 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 95.41 0.0 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)

olv3* 0.5 1.0 0.5 (1.0)

cmy3* 0.5 0.0 0.5 (0.0)

olv4* 0.5 1.0 1.0 1.0

cmy4* 0.5 0.0 0.5 0.0

standard and adapted CIELAB

LAB*LAB 89.7 0.0 0.0

LAB*LABa 89.7 -39.48 36.96

LAB*TChA 75.0 54.09 136.89

relative CIELAB lab*

lab*lab 0.926 -0.364 0.342

lab*tch 0.75 0.5 0.38

lab*nch 0.0 0.5 0.38

relative Natural Colour (NC)

lab*lrj 0.926 -0.42 0.269

lab*tce 0.75 0.5 0.409

lab*nCE 0.0 0.5 j63g

$n^* = 0,00$

$n^* = 1,0$

TLS18; adaptierte CIELAB-Daten

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

O_{Ma} 47.94 65.39 50.52 82.63 38

Y_{Ma} 90.37 -10.26 91.75 92.32 96

L_{Ma} 50.9 -62.83 34.96 71.91 151

C_{Ma} 58.62 -30.34 -45.01 54.3 236

V_{Ma} 25.72 31.1 -44.4 54.22 305

M_{Ma} 48.13 75.28 -8.36 75.74 354

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 64.57 25

J_{CIE} 81.26 -2.16 67.76 67.79 92

G_{CIE} 52.23 -42.25 11.76 43.87 164

B_{CIE} 30.57 1.15 -46.84 46.86 271

relative Inform. Technology (IT)

olv3* 1.0 1.0 1.0 (1.0)

cmy3* 0.5 0.0 0.5 (0.0)

olv4* 0.5 1.0 1.0 1.0

cmy4* 0.5 0.0 0.5 0.0

standard and adapted CIELAB

LAB*LAB 89.7 0.0 0.0

LAB*LABa 89.7 -39.48 36.96

LAB*TChA 75.0 54.09 136.89

relative CIELAB lab*

lab*lab 0.926 -0.364 0.342

lab*tch 0.75 0.5 0.38

lab*nch 0.0 0.5 0.38

relative Natural Colour (NC)

lab*lrj 0.926 -0.42 0.269

lab*tce 0.75 0.5 0.409

lab*nCE 0.0 0.5 j63g

$n^* = 0,00$

$n^* = 1,0$

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

relative Buntheit c^*

$n^* = 0,00$

$n^* = 1,0$

OG11-7, 3 stufige Reihen für konstanten CIELAB Bunnton 151/360 = 0.419 (links)

3 stufige Reihen für konstanten CIELAB Bunnton 137/360 = 0.38 (rechts)

BAM-Prüfvorlage OG11; Farbmétrik-Systeme ORS18 & ORS18 input: cmy0* setcmykcolor
D65: 2 Koordinatendaten von 3stufigen Farbreihen für 10 Bunntönen output: Startup (S) data dependend

Siehe ähnliche Dateien: <http://www.ps.bam.de/OG11/>
 Technische Information: <http://www.ps.bam.de> Version 2.1, io=0,0?

Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

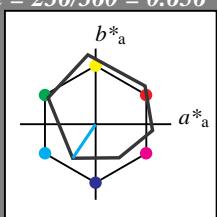
für Bunton $h^* = lab^*h = 236/360 = 0.656$
 lab^*tch und lab^*nch

D65: Bunton C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)

olv3* 1.0 1.0 1.0 (1.0)
 cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 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 -0.98 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)

olv3* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)

olv4* 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 -0.24 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)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 -0.47
 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 -

$n^* = 1,0$

ORS18; adaptierte CIELAB-Daten

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

O _{Ma} 47.94	65.39	50.52	82.63	38
Y _{Ma} 90.37	-10.26	91.75	92.32	96
L _{Ma} 50.9	-62.83	34.96	71.91	151
C _{Ma} 58.62	-30.34	-45.01	54.3	236
V _{Ma} 25.72	31.1	-44.4	54.22	305
M _{Ma} 48.13	75.28	-8.36	75.74	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	64.57	25
J _{CIE} 81.26	-2.16	67.76	67.79	92
G _{CIE} 52.23	-42.25	11.76	43.87	164
B _{CIE} 30.57	1.15	-46.84	46.86	271

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

für Bunton $h^* = lab^*h = 196/360 = 0.546$

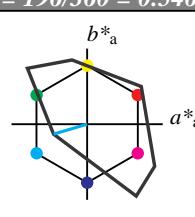
lab*tch und lab*nch

D65: Bunton C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 118$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18; adaptierte CIELAB-Daten

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

O _{Ma} 52.76	71.63	49.88	87.29	35
Y _{Ma} 92.74	-20.02	84.97	87.3	103
L _{Ma} 84.0	-78.98	73.94	108.2	137
C _{Ma} 87.14	-44.41	-13.11	46.32	196
V _{Ma} 35.47	64.92	-95.06	115.12	304
M _{Ma} 59.01	89.33	-55.67	105.26	328
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	58.74	27.99	65.07	25
J _{CIE} 81.26	-2.88	71.56	71.62	92
G _{CIE} 52.23	-42.41	13.6	44.55	162
B _{CIE} 30.57	1.41	-46.46	46.49	272

$n^* = 0,00$

Schwarzheit n^*

$n^* = 0,00$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

relative Buntheit c^*

$n^* = 1,0$

relative Inform. Technology (IT)

olv3* 0.5 1.0 1.0 (1.0)
 cmyn3* 0.5 0.0 0.0 (0.0)

olv4* 0.5 1.0 1.0 1.0
 cmyn4* 0.5 0.0 0.0 0.0

standard and adapted CIELAB
 LAB*LAB 91.27 -22.2 -6.55
 LAB*LABa 91.27 -22.2 -6.55
 LAB*TChA 75.0 23.15 196.46

relative CIELAB lab*

lab*lab 0.946 -0.478 -0.141
 lab*tch 0.75 0.5 0.546
 lab*nch 0.0 0.5 0.546

relative Natural Colour (NC)

lab*lrj 0.946 -0.44 -0.235
 lab*tce 0.75 0.5 0.578
 lab*ncE 0.0 0.5 g31b

standard and adapted CIELAB
 LAB*LAB 87.13 -44.4 -13.11
 LAB*LABa 87.13 -44.4 -13.11
 LAB*TChA 50.0 46.31 196.46

relative CIELAB lab*

lab*lab 0.893 -0.958 -0.282
 lab*tch 0.5 1.0 0.546
 lab*nch 0.0 1.0 0.546

relative Natural Colour (NC)

lab*lrj 0.893 -0.881 -0.47
 lab*tce 0.5 1.0 0.578
 lab*ncE 0.0 1.0 g31b

$n^* = 0,00$

Schwarzheit n^*

$n^* = 0,00$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

relative Buntheit c^*

$n^* = 1,0$



C

M

M

Y

O

L

V

Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

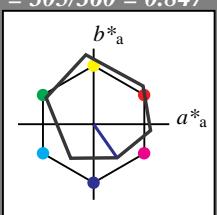
für Bunton $h^* = lab^*h = 305/360 = 0.847$
 lab^*tch und lab^*nch

D65: Bunton V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
 olv^3* 1.0 1.0 1.0 (1.0)

cmy^3* 0.0 0.0 0.0 (0.0)

olv^4* 1.0 1.0 1.0 1.0

cmy^4* 0.0 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 95.41 -0.98 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^*lrij 1.0 0.0 0.0

lab^*tce 1.0 0.0 -

lab^*nCE 0.0 0.0 -

relative Inform. Technology (IT)
 olv^3* 0.5 0.5 0.5 (1.0)

cmy^3* 0.5 0.5 0.5 (0.0)

olv^4* 1.0 1.0 1.0 0.5

cmy^4* 0.0 0.0 0.0 0.5

standard and adapted CIELAB

LAB^*LAB 56.71 -0.24 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^*lrij 0.5 0.0 0.0

lab^*tce 0.5 0.0 -

lab^*nCE 0.5 0.0 -

relative Inform. Technology (IT)
 olv^3* 0.0 0.0 0.0 (1.0)

cmy^3* 1.0 1.0 1.0 (0.0)

olv^4* 1.0 1.0 1.0 0.0

cmy^4* 0.0 0.0 0.0 1.0

standard and adapted CIELAB

LAB^*LAB 18.02 0.5 -0.47

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^*lrij 0.0 0.0 0.0

lab^*tce 0.0 0.0 -

lab^*nCE 1.0 0.0 -

$n^* = 1,0$

$n^* = 0,00$

Schwarzheit n^*
 $0,25 \quad 0,50 \quad 0,75 \quad 1,00$
 relative Buntheit c^*

OG11-7, 3 stufige Reihen für konstanten CIELAB Bunton 305/360 = 0.847 (links)

BAM-Prüfvorlage OG11; Farbmétrik-Systeme ORS18 & ORS18 input: $cmy0*$ setcmykcolor

D65: 2 Koordinatendaten von 3stufigen Farbreihen für 10 Bunttönen output: Startup (S) data dependend

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

für Bunton $h^* = lab^*h = 304/360 = 0.845$

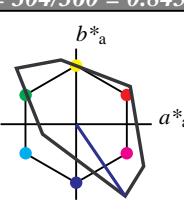
lab*tch und lab*nch

D65: Bunton V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

relative Inform. Technology (IT)

olv^3* 1.0 1.0 1.0 (1.0)

cmy^3* 0.0 0.0 0.0 (0.0)

olv^4* 1.0 1.0 1.0 1.0

cmy^4* 0.0 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 95.41 0.0 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^*lrij 1.0 0.0 0.0

lab^*tce 1.0 0.0 -

lab^*nCE 0.0 0.0 -

relative Inform. Technology (IT)
 olv^3* 0.5 0.5 0.5 (1.0)

cmy^3* 0.5 0.5 0.5 (0.0)

olv^4* 0.0 0.0 1.0 0.5

cmy^4* 0.5 0.5 0.0 0.5

standard and adapted CIELAB

LAB^*LAB 65.44 32.45 -47.52

LAB^*LABa 65.44 32.45 -47.52

LAB^*TChA 75.0 57.55 304.33

relative CIELAB lab*

lab^*lab 0.613 0.282 -0.412

lab^*tch 0.75 0.5 0.845

lab^*nch 0.0 0.5 0.845

relative Natural Colour (NC)

lab^*lrij 0.613 0.217 -0.449

lab^*tce 0.75 0.5 0.822

lab^*nCE 0.0 0.5 b28r

relative Inform. Technology (IT)
 olv^3* 0.0 0.0 0.5 (1.0)

cmy^3* 1.0 1.0 0.5 (0.0)

olv^4* 1.0 1.0 1.0 0.5

cmy^4* 0.0 0.0 0.5 0.5

standard and adapted CIELAB

LAB^*LAB 18.03 0.0 0.0

LAB^*LABa 18.03 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^*lrij 0.0 0.0 0.0

lab^*tce 0.0 0.0 -

lab^*nCE 1.0 0.0 -

$n^* = 1,0$

$n^* = 0,00$

Schwarzheit n^*
 $0,25 \quad 0,50 \quad 0,75 \quad 1,00$
 relative Buntheit c^*

3 stufige Reihen für konstanten CIELAB Bunton 304/360 = 0.845 (rechts)

BAM-Prüfvorlage OG11; Farbmétrik-Systeme ORS18 & ORS18 input: $cmy0*$ setcmykcolor

D65: 2 Koordinatendaten von 3stufigen Farbreihen für 10 Bunttöne output: Startup (S) data dependend

Siehe ähnliche Dateien: <http://www.ps.bam.de/OG11/>
 Technische Information: <http://www.ps.bam.de> Version 2.1, io=0,0?

Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

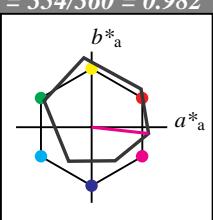
für Bunton $h^* = lab^*h = 354/360 = 0.982$
 lab^*tch und lab^*nch

D65: Bunton M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)

olv3* 1.0 1.0 1.0 (1.0)
 cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 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 -0.98 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)

olv3* 1.0 0.5 1.0 (1.0)
 cmyn3* 0.0 0.5 0.0 (0.0)

olv4* 1.0 0.5 1.0 1.0
 cmyn4* 0.0 0.5 0.0 0.0

standard and adapted CIELAB

LAB*LAB 71.77 37.1 -1.01
 LAB*LABa 71.77 37.63 -4.17
 LAB*TChA 75.0 37.86 353.66

relative CIELAB lab*

lab*lab 0.695 0.497 -0.054
 lab*tch 0.75 0.5 0.982
 lab*nch 0.0 0.5 0.982

relative Natural Colour (NC)

lab*lrj 0.695 0.454 -0.208
 lab*tce 0.75 0.5 0.932
 lab*ncE 0.0 0.5 b72r

relative Inform. Technology (IT)

olv3* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)

olv4* 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 -0.24 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)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 -0.47
 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 -

$n^* = 1,0$

ORS18; adaptierte CIELAB-Daten

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

O _{Ma}	65.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	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	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

relative Inform. Technology (IT)

olv3* 1.0 0.5 1.0 (1.0)
 cmyn3* 0.0 0.5 0.0 (0.0)

olv4* 1.0 0.5 1.0 1.0
 cmyn4* 0.0 0.5 0.0 0.0

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0
 LAB*LABa 95.41 0.0 0.0
 LAB*TChA 99.99 0.01 -

relative CIELAB lab*

lab*lab 0.695 0.497 -0.054
 lab*tch 0.75 0.5 0.982
 lab*nch 0.0 0.5 0.982

relative Natural Colour (NC)

lab*lrj 0.695 0.454 -0.208
 lab*tce 0.75 0.5 0.932
 lab*ncE 0.0 0.5 b72r

relative Inform. Technology (IT)

olv3* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)

olv4* 1.0 0.5 1.0 0.5
 cmyn4* 0.0 0.5 0.0 0.5

standard and adapted CIELAB

LAB*LAB 71.77 37.1 -1.01
 LAB*LABa 71.77 37.63 -4.17
 LAB*TChA 75.0 37.86 353.66

relative CIELAB lab*

lab*lab 0.389 0.994 -0.109
 lab*tch 0.5 1.0 0.982
 lab*nch 0.0 1.0 0.982

relative Natural Colour (NC)

lab*lrj 0.389 0.909 -0.416
 lab*tce 0.5 1.0 0.932
 lab*ncE 0.0 1.0 b72r

relative Inform. Technology (IT)

olv3* 0.5 0.0 0.5 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 -0.47
 LAB*LABa 18.02 0.0 0.0
 LAB*TChA 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.195 0.497 -0.054
 lab*tch 0.25 0.5 0.982
 lab*nch 0.5 0.5 0.982

relative Natural Colour (NC)

lab*lrj 0.195 0.454 -0.208
 lab*tce 0.25 0.5 0.932
 lab*ncE 0.5 0.5 b72r

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 -0.47
 LAB*LABa 18.02 0.0 0.0
 LAB*TChA 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.195 0.497 -0.054
 lab*tch 0.25 0.5 0.982
 lab*nch 0.5 0.5 0.982

relative Natural Colour (NC)

lab*lrj 0.195 0.454 -0.208
 lab*tce 0.25 0.5 0.932
 lab*ncE 0.5 0.5 b72r

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 -0.47
 LAB*LABa 18.02 0.0 0.0
 LAB*TChA 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.195 0.497 -0.054
 lab*tch 0.25 0.5 0.982
 lab*nch 0.5 0.5 0.982

relative Natural Colour (NC)

lab*lrj 0.195 0.454 -0.208
 lab*tce 0.25 0.5 0.932
 lab*ncE 0.5 0.5 b72r

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 -0.47
 LAB*LABa 18.02 0.0 0.0
 LAB*TChA 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.195 0.497 -0.054
 lab*tch 0.25 0.5 0.982
 lab*nch 0.5 0.5 0.982

relative Natural Colour (NC)

lab*lrj 0.195 0.454 -0.208
 lab*tce 0.25 0.5 0.932
 lab*ncE 0.5 0.5 b72r

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 -0.47
 LAB*LABa 18.02 0.0 0.0
 LAB*TChA 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.195 0.497 -0.054
 lab*tch 0.25 0.5 0.982
 lab*nch 0.5 0.5 0.982

relative Natural Colour (NC)

lab*lrj 0.195 0.454 -0.208
 lab*tce 0.25 0.5 0.932
 lab*ncE 0.5 0.5 b72r

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 -0.47
 LAB*LABa 18.02 0.0 0.0
 LAB*TChA 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.195 0.497 -0.054
 lab*tch 0.25 0.5 0.982
 lab*nch 0.5 0.5 0.982

relative Natural Colour (NC)

lab*lrj 0.195 0.454 -0.208
 lab*tce 0.25 0.5 0.932
 lab*ncE 0.5 0.5 b72r

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 -0.47
 LAB*LABa 18.02 0.0 0.0
 LAB*TChA 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.195 0.497 -0.054
 lab*tch 0.25 0.5 0.982
 lab*nch 0.5 0.5 0.982

relative Natural Colour (NC)

lab*lrj 0.195 0.454 -0.208
 lab*tce 0.25 0.5 0.932
 lab*ncE 0.5 0.5 b72r

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 -0.47
 LAB*LABa 18.02 0.0 0.0
 LAB*TChA 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.195 0.497 -0.054
 lab*tch 0.25 0.5 0.982
 lab*nch 0.5 0.5 0.982

relative Natural Colour (NC)

lab*lrj 0.195 0.454 -0.208
 lab*tce 0.25 0.5 0.932
 lab*ncE 0.5 0.5 b72r

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 -0.47
 LAB*LABa 18.02 0.0 0.0
 LAB*TChA 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.195 0.497 -0.054
 lab*tch 0.25 0.5 0.982
 lab*nch 0.5 0.5 0.982

relative Natural Colour (NC)

lab*lrj 0.195 0.454 -0.208
 lab*tce 0.25 0.5 0.932
 lab*ncE 0.5 0.5 b72r

relative Inform. Technology (IT)</p

