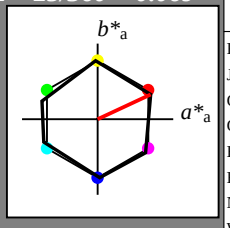
Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton *h = lab*h = 25/360 = 0.069**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 57 77 25
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit *t**



%Umfang
u*rel = 100
%Regularität
g*H,rel = 59
g*C,rel = 100

CNS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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

***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 0.0 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)**
*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* 56.72 0.0 0.0
*LAB*LABa* 56.72 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 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* 18.03 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*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

***n** = 1,0*

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.5 0.5 (1.0)
*cmyn3** 0.0 0.5 0.5 (0.0)
*olvi4** 1.0 0.5 0.5 1.0
*cmyn4** 0.0 0.5 0.5 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 76.05 35.07 16.35
*LAB*LABa* 76.05 35.07 16.35
*LAB*TCHa* 75.0 38.69 25.0
relative* CIELAB *lab*
*lab*lab* 0.75 0.453 0.211
*lab*tch* 0.75 0.5 0.069
*lab*nch* 0.0 0.5 0.069
***relative* Natural Colour (NC)**
*lab*lrj* 0.75 0.5 −0.002
*lab*tce* 0.75 0.5 0.999
*lab*ncE* 0.0 0.5 b99r

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.0 0.0 (1.0)
*cmyn3** 0.5 1.0 1.0 (0.0)
*olvi4** 1.0 0.5 0.5 0.5
*cmyn4** 0.0 0.5 0.5 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 37.36 35.07 16.35
*LAB*LABa* 37.36 35.07 16.35
*LAB*TCHa* 25.01 38.69 25.0
relative* CIELAB *lab*
*lab*lab* 0.25 0.453 0.211
*lab*tch* 0.25 0.5 0.069
*lab*nch* 0.5 0.5 0.069
***relative* Natural Colour (NC)**
*lab*lrj* 0.25 0.5 −0.002
*lab*tce* 0.25 0.5 0.999
*lab*ncE* 0.5 0.5 b99r

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.0 0.0 (1.0)
*cmyn3** 0.0 1.0 1.0 (0.0)
*olvi4** 1.0 0.0 0.0 1.0
*cmyn4** 0.0 1.0 1.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 56.7 70.13 32.7
*LAB*LABa* 56.7 70.13 32.7
*LAB*TCHa* 50.0 77.38 25.0
relative* CIELAB *lab*
*lab*lab* 0.5 0.906 0.423
*lab*tch* 0.5 1.0 0.069
*lab*nch* 0.0 1.0 0.069
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 1.0 −0.006
*lab*tce* 0.5 1.0 0.999
*lab*ncE* 0.0 1.0 b99r

***n** = 0,00*

Schwarzheit *n**

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

relative Buntheit *c**

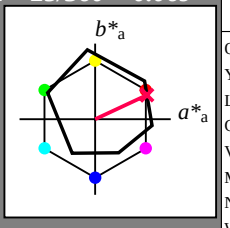
VG410−7, 3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton *h = lab*h = 25/360 = 0.069**
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 48 76 25
olv*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit *t**



%Umfang
u*rel = 93
%Regularität
g*H,rel = 57
g*C,rel = 59

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	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)**
*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 −0.98 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)**
*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 −0.24 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)**
*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 −0.47
*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*

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.5 0.658 (1.0)
*cmyn3** 0.0 0.5 0.342 (0.0)
*olvi4** 1.0 0.5 0.658 1.0
*cmyn4** 0.0 0.5 0.342 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 71.7 33.71 19.13
*LAB*LABa* 71.7 34.25 15.97
*LAB*TCHa* 75.0 37.79 25.0
relative* CIELAB *lab*
*lab*lab* 0.694 0.453 0.211
*lab*tch* 0.75 0.5 0.069
*lab*nch* 0.0 0.5 0.069
***relative* Natural Colour (NC)**
*lab*lrj* 0.694 0.5 0.003
*lab*tce* 0.75 0.5 0.001
*lab*ncE* 0.0 0.5 r00j

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.0 0.158 (1.0)
*cmyn3** 0.5 1.0 0.842 (0.0)
*olvi4** 1.0 0.5 0.658 0.5
*cmyn4** 0.0 0.5 0.342 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 33.01 34.46 16.52
*LAB*LABa* 33.01 34.25 15.97
*LAB*TCHa* 25.01 37.79 25.01
relative* CIELAB *lab*
*lab*lab* 0.194 0.453 0.211
*lab*tch* 0.25 0.5 0.069
*lab*nch* 0.5 0.5 0.069
***relative* Natural Colour (NC)**
*lab*lrj* 0.194 0.5 0.004
*lab*tce* 0.25 0.5 0.001
*lab*ncE* 0.5 0.5 r00j

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.0 0.315 (1.0)
*cmyn3** 0.0 1.0 0.685 (0.0)
*olvi4** 1.0 0.0 0.316 1.0
*cmyn4** 0.0 1.0 0.684 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 48.0 68.42 33.5
*LAB*LABa* 48.0 68.49 31.94
*LAB*TCHa* 50.0 75.57 25.0
relative* CIELAB *lab*
*lab*lab* 0.387 0.906 0.423
*lab*tch* 0.5 1.0 0.069
*lab*nch* 0.0 1.0 0.069
***relative* Natural Colour (NC)**
*lab*lrj* 0.387 1.0 0.007
*lab*tce* 0.5 1.0 0.001
*lab*ncE* 0.0 1.0 r00j

***n** = 0,00*

Schwarzheit *n**

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

relative Buntheit *c**

3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/VG41/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

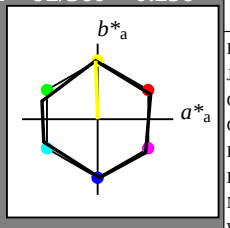
BAM-Registrierung: 20060101-VG41/10L/L41G00NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/VG41/ Form: 1/10. Serie: 1/1, Seite: 1 Seitenz hlung 1

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

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

D65: Buntton J
LCH*Ma: 57 77 92
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit *t**



%Umfang
u*rel = 100
%Regularität
g*H,rel = 59
g*C,rel = 100

CNS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
RMa	56.7	70.15	32.71	77.4	25
JMa	56.7	−2.69	77.35	77.4	92
GMa	56.7	−73.6	23.92	77.4	162
G50BMa	56.7	−71.24	−30.23	77.4	203
BMa	56.7	2.7	−77.34	77.4	272
B50RMa	56.7	63.4	−44.38	77.4	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	−2.88	71.56	71.62	92
GCIE	52.23	−42.41	13.6	44.55	162
BCIE	30.57	1.41	−46.46	46.49	272

***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 0.0 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)**
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 56.72 0.0 0.0
LAB*LABa 56.72 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 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 18.03 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*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 –
lab*ncE 1.0 0.0 –

n* = 1,0

***relative* Inform. Technology (IT)**
olvi3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 1.0
cmyn4* 0.0 0.0 0.5 0.0
***standard* and *adapted* CIELAB**
LAB*LAB 76.05 −1.34 38.67
LAB*LABa 76.05 −1.34 38.67
LAB*TCHa 75.0 38.69 92.0
relative* CIELAB *lab*
lab*lab 0.75 −0.016 0.5
lab*tch 0.75 0.5 0.256
lab*nch 0.0 0.5 0.256
***relative* Natural Colour (NC)**
lab*lrj 0.75 0.004 0.5
lab*tce 0.75 0.5 0.249
lab*ncE 0.0 0.5 r99j

***relative* Inform. Technology (IT)**
olvi3* 0.5 0.5 0.0 (1.0)
cmyn3* 0.5 0.5 1.0 (0.0)
olvi4* 1.0 1.0 0.5 0.5
cmyn4* 0.0 0.0 0.5 0.5
***standard* and *adapted* CIELAB**
LAB*LAB 37.36 −1.34 38.67
LAB*LABa 37.36 −1.34 38.67
LAB*TCHa 25.01 38.69 92.0
relative* CIELAB *lab*
lab*lab 0.25 −0.016 0.5
lab*tch 0.25 0.5 0.256
lab*nch 0.5 0.5 0.256
***relative* Natural Colour (NC)**
lab*lrj 0.25 0.004 0.5
lab*tce 0.25 0.5 0.249
lab*ncE 0.5 0.5 r99j

***relative* Inform. Technology (IT)**
olvi3* 1.0 1.0 0.0 (1.0)
cmyn3* 0.0 0.0 1.0 (0.0)
olvi4* 1.0 1.0 0.0 1.0
cmyn4* 0.0 0.0 1.0 0.0
***standard* and *adapted* CIELAB**
LAB*LAB 56.7 −2.69 77.34
LAB*LABa 56.7 −2.69 77.34
LAB*TCHa 50.0 77.38 92.0
relative* CIELAB *lab*
lab*lab 0.5 −0.034 0.999
lab*tch 0.5 1.0 0.256
lab*nch 0.0 1.0 0.256
***relative* Natural Colour (NC)**
lab*lrj 0.5 0.007 1.0
lab*tce 0.5 1.0 0.249
lab*ncE 0.0 1.0 r99j

n* = 0,00

Schwarzheit *n**

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

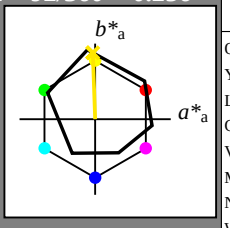
relative Buntheit *c**

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

D65: Buntton Y
LCH*Ma: 86 88 92
olv*Ma: 1.0 0.9 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	65.39	50.52	82.63	38
YMa	90.37	−10.26	91.75	92.32	96
LMa	50.9	−62.83	34.96	71.91	151
CMa	58.62	−30.34	−45.01	54.3	236
VMa	25.72	31.1	−44.4	54.22	305
MMa	48.13	75.28	−8.36	75.74	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	64.57	25
JCIE	81.26	−2.16	67.76	67.79	92
GCIE	52.23	−42.25	11.76	43.87	164
BCIE	30.57	1.15	−46.84	46.86	271

***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 −0.98 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)**
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 −0.24 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)**
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 −0.47
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

***relative* Inform. Technology (IT)**
olvi3* 1.0 0.952 0.5 (1.0)
cmyn3* 0.0 0.048 0.5 (0.0)
olvi4* 1.0 0.953 0.5 1.0
cmyn4* 0.0 0.047 0.5 0.0
***standard* and *adapted* CIELAB**
LAB*LAB 90.87 −2.43 48.36
LAB*LABa 90.87 −1.53 43.91
LAB*TCHa 75.0 43.94 92.01
relative* CIELAB *lab*
lab*lab 0.941 −0.017 0.5
lab*tch 0.75 0.5 0.256
lab*nch 0.0 0.5 0.256
***relative* Natural Colour (NC)**
lab*lrj 0.941 −0.001 0.5
lab*tce 0.75 0.5 0.251
lab*ncE 0.0 0.5 j00g

***relative* Inform. Technology (IT)**
olvi3* 0.5 0.452 0.0 (1.0)
cmyn3* 0.5 0.548 1.0 (0.0)
olvi4* 1.0 0.952 0.5 0.5
cmyn4* 0.0 0.048 0.5 0.5
***standard* and *adapted* CIELAB**
LAB*LAB 52.17 −1.68 45.74
LAB*LABa 52.17 −1.52 43.9
LAB*TCHa 25.01 43.93 92.0
relative* CIELAB *lab*
lab*lab 0.441 −0.016 0.5
lab*tch 0.25 0.5 0.256
lab*nch 0.5 0.5 0.256
***relative* Natural Colour (NC)**
lab*lrj 0.441 −0.001 0.5
lab*tce 0.25 0.5 0.251
lab*ncE 0.5 0.5 j00g

***relative* Inform. Technology (IT)**
olvi3* 1.0 0.905 0.0 (1.0)
cmyn3* 0.0 0.095 1.0 (0.0)
olvi4* 1.0 0.905 0.0 1.0
cmyn4* 0.0 0.095 1.0 0.0
***standard* and *adapted* CIELAB**
LAB*LAB 86.33 −3.88 91.96
LAB*LABa 86.33 −3.06 87.81
LAB*TCHa 50.0 87.87 92.0
relative* CIELAB *lab*
lab*lab 0.883 −0.034 0.999
lab*tch 0.5 1.0 0.256
lab*nch 0.0 1.0 0.256
***relative* Natural Colour (NC)**
lab*lrj 0.883 −0.003 1.0
lab*tce 0.5 1.0 0.251
lab*ncE 0.0 1.0 j00g

n* = 0,00

Schwarzheit *n**

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

relative Buntheit *c**

VG410−7, 3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

BAM-Prüfvorlage VG41; Farbmetrik-Systeme CNS18 & ORS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/VG41/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

BAM-Registrierung: 20060101-VG41/10L/L41G01NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen

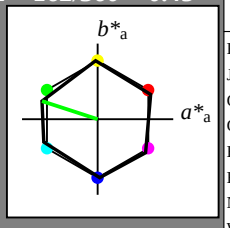
/VG41/ Form: 2/10. Serie: 1/1, Seite: 2 Seitenz hlung 1

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton $h^* = lab^*h = 162/360 = 0.45$
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 57 77 162
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit *t**



%Umfang
u^*_{rel} = 100
%Regularität
$g^*_{H,rel}$ = 59
$g^*_{C,rel}$ = 100

CNS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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

***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 0.0 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)**
*olvi3** 0.5 1.0 0.5 (1.0)
*cmyn3** 0.5 0.0 0.5 (0.0)
*olvi4** 0.5 1.0 0.5 1.0
*cmyn4** 0.5 0.0 0.5 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 76.05 −36.79 11.96
*LAB*LABa* 76.05 −36.79 11.96
*LAB*TCHa* 75.0 38.69 162.0
relative* CIELAB *lab*
*lab*lab* 0.75 −0.474 0.154
*lab*tch* 0.75 0.5 0.45
*lab*nch* 0.0 0.5 0.45
***relative* Natural Colour (NC)**
*lab*lrj* 0.75 −0.499 0.003
*lab*tce* 0.75 0.5 0.499
*lab*ncE* 0.0 0.5 j99g

***relative* Inform. Technology (IT)**
*olvi3** 0.0 1.0 0.0 (1.0)
*cmyn3** 1.0 0.0 1.0 (0.0)
*olvi4** 0.0 1.0 0.0 1.0
*cmyn4** 1.0 0.0 1.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 56.7 −73.59 23.91
*LAB*LABa* 56.7 −73.59 23.91
*LAB*TCHa* 50.0 77.38 162.0
relative* CIELAB *lab*
*lab*lab* 0.5 −0.95 0.309
*lab*tch* 0.5 1.0 0.45
*lab*nch* 0.0 1.0 0.45
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 −0.999 0.005
*lab*tce* 0.5 1.0 0.499
*lab*ncE* 0.0 1.0 j99g

***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* 56.72 0.0 0.0
*LAB*LABa* 56.72 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 0.5 0.0 (1.0)
*cmyn3** 1.0 0.5 1.0 (0.0)
*olvi4** 0.5 1.0 0.5 0.5
*cmyn4** 0.5 0.0 0.5 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 37.36 −36.79 11.96
*LAB*LABa* 37.36 −36.79 11.96
*LAB*TCHa* 25.01 38.69 162.0
relative* CIELAB *lab*
*lab*lab* 0.25 −0.474 0.154
*lab*tch* 0.25 0.5 0.45
*lab*nch* 0.5 0.5 0.45
***relative* Natural Colour (NC)**
*lab*lrj* 0.25 −0.499 0.003
*lab*tce* 0.25 0.5 0.499
*lab*ncE* 0.5 0.5 j99g

***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* 18.03 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*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

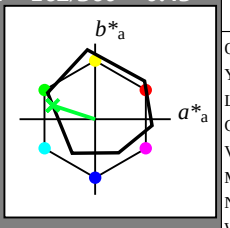
$n^* = 0{,}00$ — **Schwarzheit *n****
0,25 — 0,50 — $n^* = 0{,}50$ — 0,75 — 1,00 — **relative Buntheit *c****
$n^* = 1{,}0$

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 162/360 = 0.45$
lab*tch* und *lab*nch

D65: Buntton L
LCH*Ma: 53 59 162
olv*Ma: 0.0 1.0 0.21

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	65.39	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)**
*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 −0.98 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)**
*olvi3** 0.5 1.0 0.605 (1.0)
*cmyn3** 0.5 0.0 0.395 (0.0)
*olvi4** 0.5 1.0 0.605 1.0
*cmyn4** 0.5 0.0 0.395 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 73.96 −28.58 12.41
*LAB*LABa* 73.96 −28.0 9.1
*LAB*TCHa* 75.0 29.45 162.0
relative* CIELAB *lab*
*lab*lab* 0.723 −0.474 0.154
*lab*tch* 0.75 0.5 0.45
*lab*nch* 0.0 0.5 0.45
***relative* Natural Colour (NC)**
*lab*lrj* 0.723 −0.498 0.026
*lab*tce* 0.75 0.5 0.492
*lab*ncE* 0.0 0.5 j96g

***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 −0.24 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)**
*olvi3** 0.0 0.5 0.105 (1.0)
*cmyn3** 1.0 0.5 0.895 (0.0)
*olvi4** 0.5 1.0 0.605 0.5
*cmyn4** 0.5 0.0 0.395 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 35.27 −27.84 9.8
*LAB*LABa* 35.27 −28.0 9.11
*LAB*TCHa* 25.01 29.46 161.99
relative* CIELAB *lab*
*lab*lab* 0.223 −0.474 0.155
*lab*tch* 0.25 0.5 0.45
*lab*nch* 0.5 0.5 0.45
***relative* Natural Colour (NC)**
*lab*lrj* 0.223 −0.498 0.027
*lab*tce* 0.25 0.5 0.492
*lab*ncE* 0.5 0.5 j96g

***relative* Inform. Technology (IT)**
*olvi3** 0.0 1.0 0.209 (1.0)
*cmyn3** 1.0 0.0 0.791 (0.0)
*olvi4** 0.0 1.0 0.21 1.0
*cmyn4** 1.0 0.0 0.79 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 52.52 −56.18 20.07
*LAB*LABa* 52.52 −56.01 18.21
*LAB*TCHa* 50.0 58.91 162.0
relative* CIELAB *lab*
*lab*lab* 0.446 −0.95 0.309
*lab*tch* 0.5 1.0 0.45
*lab*nch* 0.0 1.0 0.45
***relative* Natural Colour (NC)**
*lab*lrj* 0.446 −0.997 0.053
*lab*tce* 0.5 1.0 0.492
*lab*ncE* 0.0 1.0 j96g

***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 −0.47
*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 –

$n^* = 0{,}00$ — **Schwarzheit *n****
0,25 — 0,50 — $n^* = 0{,}50$ — 0,75 — 1,00 — **relative Buntheit *c****
$n^* = 1{,}0$

VG410−7, 3 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.45 (links)
3 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.45 (rechts)

BAM-Prüfvorlage VG41; Farbmetrik-Systeme CNS18 & ORS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/VG41/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

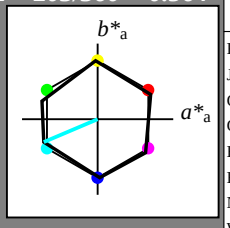
BAM-Registrierung: 20060101-VG41/10L/L41G02NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
/VG41/ Form: 3/10. Serie: 1/1, Seite: 3 Sattelz hlung 1

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton $h^* = lab^*h = 203/360 = 0.564$
lab*tch* und *lab*nch

D65: Buntton G50B
LCH*Ma: 57 77 203
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit *t**



%Umfang
u^*_{rel} = 100
%Regularität
$g^*_{H,rel}$ = 59
$g^*_{C,rel}$ = 100

CNS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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

***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 0.0 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)**
*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* 76.05 −35.61 −15.11
*LAB*LABa* 76.05 −35.61 −15.11
*LAB*TCHa* 75.0 38.69 203.0
relative* CIELAB *lab*
*lab*lab* 0.75 −0.459 −0.194
*lab*tch* 0.75 0.5 0.564
*lab*nch* 0.0 0.5 0.564
***relative* Natural Colour (NC)**
*lab*lrj* 0.75 −0.416 −0.275
*lab*tce* 0.75 0.5 0.593
*lab*ncE* 0.0 0.5 g37b

***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* 56.7 −71.22 −30.23
*LAB*LABa* 56.7 −71.22 −30.23
*LAB*TCHa* 50.0 77.38 203.0
relative* CIELAB *lab*
*lab*lab* 0.5 −0.919 −0.39
*lab*tch* 0.5 1.0 0.564
*lab*nch* 0.0 1.0 0.564
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 −0.833 −0.551
*lab*tce* 0.5 1.0 0.593
*lab*ncE* 0.0 1.0 g37b

***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* 56.72 0.0 0.0
*LAB*LABa* 56.72 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 0.5 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* 37.36 −35.61 −15.11
*LAB*LABa* 37.36 −35.61 −15.11
*LAB*TCHa* 25.01 38.69 203.0
relative* CIELAB *lab*
*lab*lab* 0.25 −0.459 −0.194
*lab*tch* 0.25 0.5 0.564
*lab*nch* 0.5 0.5 0.564
***relative* Natural Colour (NC)**
*lab*lrj* 0.25 −0.416 −0.275
*lab*tce* 0.25 0.5 0.593
*lab*ncE* 0.5 0.5 g37b

***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* 18.03 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*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

$n^* = 0,00$

Schwarzheit n^*

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

relative Buntheit c^*

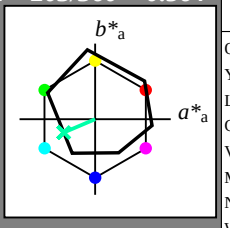
$n^* = 1,0$

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 203/360 = 0.564$
lab*tch* und *lab*nch

D65: Buntton C
LCH*Ma: 56 45 203
olv*Ma: 0.0 1.0 0.66

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	65.39	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)**
*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 −0.98 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)**
*olvi3** 0.5 1.0 0.829 (1.0)
*cmyn3** 0.5 0.0 0.171 (0.0)
*olvi4** 0.5 1.0 0.829 1.0
*cmyn4** 0.5 0.0 0.171 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 75.69 −21.34 −5.37
*LAB*LABa* 75.69 −20.73 −8.8
*LAB*TCHa* 75.0 22.53 203.01
relative* CIELAB *lab*
*lab*lab* 0.745 −0.459 −0.194
*lab*tch* 0.75 0.5 0.564
*lab*nch* 0.0 0.5 0.564
***relative* Natural Colour (NC)**
*lab*lrj* 0.745 −0.421 −0.267
*lab*tce* 0.75 0.5 0.59
*lab*ncE* 0.0 0.5 g36b

***relative* Inform. Technology (IT)**
*olvi3** 0.0 1.0 0.657 (1.0)
*cmyn3** 1.0 0.0 0.343 (0.0)
*olvi4** 0.0 1.0 0.657 1.0
*cmyn4** 1.0 0.0 0.343 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 55.97 −41.7 −15.5
*LAB*LABa* 55.97 −41.46 −17.6
*LAB*TCHa* 50.0 45.06 203.0
relative* CIELAB *lab*
*lab*lab* 0.49 −0.919 −0.39
*lab*tch* 0.5 1.0 0.564
*lab*nch* 0.0 1.0 0.564
***relative* Natural Colour (NC)**
*lab*lrj* 0.49 −0.843 −0.535
*lab*tce* 0.5 1.0 0.59
*lab*ncE* 0.0 1.0 g36b

***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 −0.24 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)**
*olvi3** 0.0 0.5 0.329 (1.0)
*cmyn3** 1.0 0.5 0.671 (0.0)
*olvi4** 0.5 1.0 0.829 0.5
*cmyn4** 0.5 0.0 0.171 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 37.0 −20.59 −7.98
*LAB*LABa* 37.0 −20.73 −8.79
*LAB*TCHa* 25.01 22.53 202.99
relative* CIELAB *lab*
*lab*lab* 0.245 −0.459 −0.194
*lab*tch* 0.25 0.5 0.564
*lab*nch* 0.5 0.5 0.564
***relative* Natural Colour (NC)**
*lab*lrj* 0.245 −0.421 −0.267
*lab*tce* 0.25 0.5 0.59
*lab*ncE* 0.5 0.5 g36b

***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 −0.47
*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 –

$n^* = 0,00$

Schwarzheit n^*

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

relative Buntheit c^*

$n^* = 1,0$

VG410−7, 3 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (links)

3 stufige Reihen für konstanten CIELAB Buntton 203/360 = 0.564 (rechts)

BAM-Prüfvorlage VG41; Farbmetrik-Systeme CNS18 & ORS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/VG41/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

BAM-Registrierung: 20060101-VG41/10L/L41G03NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen

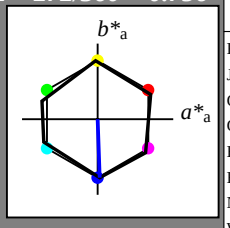
/VG41/ Form: 4/10. Serie: 1/1, Seite: 4 Seitenz hlung 1

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton $h^* = lab^*h = 272/360 = 0.756$
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 57 77 272
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit *t**



%Umfang
$u^*_{rel} = 100$
%Regularität
$g^*_{H,rel} = 59$
$g^*_{C,rel} = 100$

CNS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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

***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 0.0 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)**
*olvi3** 0.5 0.5 1.0 (1.0)
*cmyn3** 0.5 0.5 0.0 (0.0)
*olvi4** 0.5 0.5 1.0 1.0
*cmyn4** 0.5 0.5 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 76.05 1.35 −38.66
*LAB*LABa* 76.05 1.35 −38.66
*LAB*TCHa* 75.0 38.69 272.0
relative* CIELAB *lab*
*lab*lab* 0.75 0.017 −0.499
*lab*tch* 0.75 0.5 0.756
*lab*nch* 0.0 0.5 0.756
***relative* Natural Colour (NC)**
*lab*lrj* 0.75 0.002 −0.499
*lab*tce* 0.75 0.5 0.751
*lab*ncE* 0.0 0.5 b00r

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.0 1.0 (1.0)
*cmyn3** 1.0 1.0 0.0 (0.0)
*olvi4** 0.0 0.0 1.0 1.0
*cmyn4** 1.0 1.0 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 56.7 2.7 −77.33
*LAB*LABa* 56.7 2.7 −77.33
*LAB*TCHa* 50.0 77.38 272.0
relative* CIELAB *lab*
*lab*lab* 0.5 0.035 −0.998
*lab*tch* 0.5 1.0 0.756
*lab*nch* 0.0 1.0 0.756
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 0.004 −0.999
*lab*tce* 0.5 1.0 0.751
*lab*ncE* 0.0 1.0 b00r

***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* 56.72 0.0 0.0
*LAB*LABa* 56.72 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 0.5 (1.0)
*cmyn3** 1.0 1.0 0.5 (0.0)
*olvi4** 0.5 0.5 1.0 0.5
*cmyn4** 0.5 0.5 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 37.36 1.35 −38.66
*LAB*LABa* 37.36 1.35 −38.66
*LAB*TCHa* 25.01 38.69 272.0
relative* CIELAB *lab*
*lab*lab* 0.25 0.017 −0.499
*lab*tch* 0.25 0.5 0.756
*lab*nch* 0.5 0.5 0.756
***relative* Natural Colour (NC)**
*lab*lrj* 0.25 0.002 −0.499
*lab*tce* 0.25 0.5 0.751
*lab*ncE* 0.5 0.5 b00r

***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* 18.03 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*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

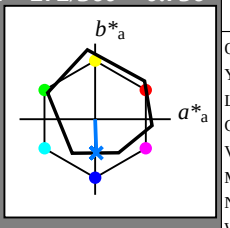
$n^* = 0{,}00$
Schwarzheit *n**
0,25 0,50 $n^* = 0{,}50$ 0,75 1,00
relative Buntheit *c**
$n^* = 1{,}0$

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 272/360 = 0.756$
lab*tch* und *lab*nch

D65: Buntton V
LCH*Ma: 42 45 272
olv*Ma: 0.0 0.48 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	65.39	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)**
*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 −0.98 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)**
*olvi3** 0.5 0.74 1.0 (1.0)
*cmyn3** 0.5 0.26 0.0 (0.0)
*olvi4** 0.5 0.74 1.0 1.0
*cmyn4** 0.5 0.26 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 68.47 0.31 −19.4
*LAB*LABa* 68.47 0.78 −22.34
*LAB*TCHa* 75.0 22.36 271.99
relative* CIELAB *lab*
*lab*lab* 0.652 0.017 −0.499
*lab*tch* 0.75 0.5 0.756
*lab*nch* 0.0 0.5 0.756
***relative* Natural Colour (NC)**
*lab*lrj* 0.652 0.004 −0.499
*lab*tce* 0.75 0.5 0.751
*lab*ncE* 0.0 0.5 b00r

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.481 1.0 (1.0)
*cmyn3** 1.0 0.519 0.0 (0.0)
*olvi4** 0.0 0.481 1.0 1.0
*cmyn4** 1.0 0.519 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 41.54 1.61 −43.57
*LAB*LABa* 41.54 1.56 −44.69
*LAB*TCHa* 50.0 44.72 272.0
relative* CIELAB *lab*
*lab*lab* 0.304 0.035 −0.998
*lab*tch* 0.5 1.0 0.756
*lab*nch* 0.0 1.0 0.756
***relative* Natural Colour (NC)**
*lab*lrj* 0.304 0.008 −0.999
*lab*tce* 0.5 1.0 0.751
*lab*ncE* 0.0 1.0 b00r

***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 −0.24 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)**
*olvi3** 0.0 0.24 0.5 (1.0)
*cmyn3** 1.0 0.76 0.5 (0.0)
*olvi4** 0.5 0.74 1.0 0.5
*cmyn4** 0.5 0.26 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 29.78 1.06 −22.01
*LAB*LABa* 29.78 0.78 −22.34
*LAB*TCHa* 25.01 22.36 272.01
relative* CIELAB *lab*
*lab*lab* 0.152 0.018 −0.499
*lab*tch* 0.25 0.5 0.756
*lab*nch* 0.5 0.5 0.756
***relative* Natural Colour (NC)**
*lab*lrj* 0.152 0.004 −0.499
*lab*tce* 0.25 0.5 0.751
*lab*ncE* 0.5 0.5 b00r

***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 −0.47
*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 –

$n^* = 0{,}00$
Schwarzheit *n**
0,25 0,50 $n^* = 0{,}50$ 0,75 1,00
relative Buntheit *c**
$n^* = 1{,}0$

VG410−7, 3 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.756 (links)
3 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.756 (rechts)

BAM-Prüfvorlage VG41; Farbmetrik-Systeme CNS18 & ORS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/VG41/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

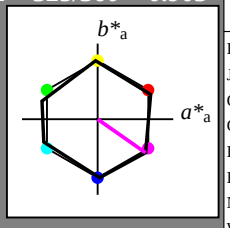
BAM-Registrierung: 20060101-VG41/10L/L41G04NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/VG41/ Form: 5/10. Serie: 1/1, Seite: 5 Seitenz hlung 1

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$
lab*tch* und *lab*nch

D65: Buntton B50R
LCH*Ma: 57 77 325
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit *t**



%Umfang
u^*_{rel} = 100
%Regularität
$g^*_{H,rel}$ = 59
$g^*_{C,rel}$ = 100

CNS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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

***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 0.0 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)**
*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* 56.72 0.0 0.0
*LAB*LABa* 56.72 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 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* 18.03 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*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.5 1.0 (1.0)
*cmyn3** 0.0 0.5 0.0 (0.0)
*olvi4** 1.0 0.5 1.0 1.0
*cmyn4** 0.0 0.5 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 76.05 31.69 −22.18
*LAB*LABa* 76.05 31.69 −22.18
*LAB*TCHa* 75.0 38.69 325.0
relative* CIELAB *lab*
*lab*lab* 0.75 0.409 −0.286
*lab*tch* 0.75 0.5 0.903
*lab*nch* 0.0 0.5 0.903
***relative* Natural Colour (NC)**
*lab*lrj* 0.75 0.335 −0.37
*lab*tce* 0.75 0.5 0.867
*lab*ncE* 0.0 0.5 b46r

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.0 0.5 (1.0)
*cmyn3** 0.5 1.0 0.5 (0.0)
*olvi4** 1.0 0.5 1.0 0.5
*cmyn4** 0.0 0.5 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 37.36 31.69 −22.18
*LAB*LABa* 37.36 31.69 −22.18
*LAB*TCHa* 25.01 38.69 325.0
relative* CIELAB *lab*
*lab*lab* 0.25 0.409 −0.286
*lab*tch* 0.25 0.5 0.903
*lab*nch* 0.5 0.5 0.903
***relative* Natural Colour (NC)**
*lab*lrj* 0.25 0.335 −0.37
*lab*tce* 0.25 0.5 0.867
*lab*ncE* 0.5 0.5 b46r

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.0 1.0 (1.0)
*cmyn3** 0.0 1.0 0.0 (0.0)
*olvi4** 1.0 0.0 1.0 1.0
*cmyn4** 0.0 1.0 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 56.7 63.39 −44.38
*LAB*LABa* 56.7 63.39 −44.38
*LAB*TCHa* 50.0 77.38 325.0
relative* CIELAB *lab*
*lab*lab* 0.5 0.819 −0.572
*lab*tch* 0.5 1.0 0.903
*lab*nch* 0.0 1.0 0.903
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 0.671 −0.74
*lab*tce* 0.5 1.0 0.867
*lab*ncE* 0.0 1.0 b46r

$n^* = 0{,}00$

Schwarzheit *n**

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

relative Buntheit *c**

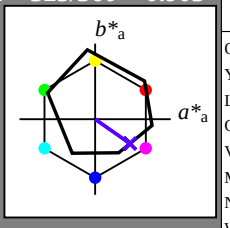
$n^* = 1{,}0$

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 325/360 = 0.903$
lab*tch* und *lab*nch

D65: Buntton M
LCH*Ma: 33 56 325
olv*Ma: 0.34 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	65.39	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)**
*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 −0.98 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)**
*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 −0.24 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)**
*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 −0.47
*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 –

***relative* Inform. Technology (IT)**
*olvi3** 0.669 0.5 1.0 (1.0)
*cmyn3** 0.331 0.5 0.0 (0.0)
*olvi4** 0.669 0.5 1.0 1.0
*cmyn4** 0.331 0.5 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 64.35 22.62 −13.44
*LAB*LABa* 64.35 23.01 −16.1
*LAB*TCHa* 75.0 28.09 325.0
relative* CIELAB *lab*
*lab*lab* 0.599 0.41 −0.286
*lab*tch* 0.75 0.5 0.903
*lab*nch* 0.0 0.5 0.903
***relative* Natural Colour (NC)**
*lab*lrj* 0.599 0.338 −0.367
*lab*tce* 0.75 0.5 0.868
*lab*ncE* 0.0 0.5 b47r

***relative* Inform. Technology (IT)**
*olvi3** 0.169 0.0 0.5 (1.0)
*cmyn3** 0.831 1.0 0.5 (0.0)
*olvi4** 0.669 0.5 1.0 0.5
*cmyn4** 0.331 0.5 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 25.66 23.36 −16.06
*LAB*LABa* 25.66 23.01 −16.1
*LAB*TCHa* 25.01 28.09 324.99
relative* CIELAB *lab*
*lab*lab* 0.099 0.409 −0.286
*lab*tch* 0.25 0.5 0.903
*lab*nch* 0.5 0.5 0.903
***relative* Natural Colour (NC)**
*lab*lrj* 0.099 0.338 −0.367
*lab*tce* 0.25 0.5 0.868
*lab*ncE* 0.5 0.5 b47r

***relative* Inform. Technology (IT)**
*olvi3** 0.338 0.0 1.0 (1.0)
*cmyn3** 0.662 1.0 0.0 (0.0)
*olvi4** 0.338 0.0 1.0 1.0
*cmyn4** 0.662 1.0 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 33.3 46.22 −31.65
*LAB*LABa* 33.3 46.02 −32.21
*LAB*TCHa* 50.0 56.18 325.0
relative* CIELAB *lab*
*lab*lab* 0.198 0.819 −0.572
*lab*tch* 0.5 1.0 0.903
*lab*nch* 0.0 1.0 0.903
***relative* Natural Colour (NC)**
*lab*lrj* 0.198 0.676 −0.735
*lab*tce* 0.5 1.0 0.868
*lab*ncE* 0.0 1.0 b47r

$n^* = 0{,}00$

Schwarzheit *n**

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

relative Buntheit *c**

$n^* = 1{,}0$

VG410−7, 3 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (links)

3 stufige Reihen für konstanten CIELAB Buntton 325/360 = 0.903 (rechts)

BAM-Prüfvorlage VG41; Farbmetrik-Systeme CNS18 & ORS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/VG41/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

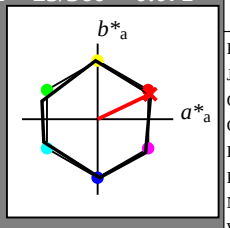
BAM-Registrierung: 20060101-VG41/10L/L41G05NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/VG41/ Form: 6/10. Serie: 1/1, Seite: 6 Seitenz hlung 1

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton *h = lab*h = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 57 77 25
olv*Ma: 1.0 0.01 0.0

Dreiecks-Helligkeit *t**



%Umfang
u*rel = 100
%Regularität
g*H,rel = 59
g*C,rel = 100

CNS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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

***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 0.0 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)**
*olvi3** 1.0 0.505 0.5 (1.0)
*cmyn3** 0.0 0.495 0.5 (0.0)
*olvi4** 1.0 0.505 0.5 1.0
*cmyn4** 0.0 0.495 0.5 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 76.05 34.74 16.55
*LAB*LABa* 76.05 34.74 16.55
*LAB*TCHa* 75.0 38.48 25.48
relative* CIELAB *lab*
*lab*lab* 0.75 0.451 0.215
*lab*tch* 0.75 0.5 0.071
*lab*nch* 0.0 0.5 0.071
***relative* Natural Colour (NC)**
*lab*lrj* 0.75 0.5 0.0
*lab*tce* 0.75 0.5 0.0
*lab*ncE* 0.0 0.5 r00j

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.009 0.0 (1.0)
*cmyn3** 0.0 0.991 1.0 (0.0)
*olvi4** 1.0 0.009 0.0 1.0
*cmyn4** 0.0 0.991 1.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 56.7 69.48 33.1
*LAB*LABa* 56.7 69.48 33.1
*LAB*TCHa* 50.0 76.97 25.47
relative* CIELAB *lab*
*lab*lab* 0.5 0.903 0.43
*lab*tch* 0.5 1.0 0.071
*lab*nch* 0.0 1.0 0.071
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 1.0 0.0
*lab*tce* 0.5 1.0 1.0
*lab*ncE* 0.0 1.0 b99r

***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* 56.72 0.0 0.0
*LAB*LABa* 56.72 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** 0.5 0.005 0.0 (1.0)
*cmyn3** 0.5 0.995 1.0 (0.0)
*olvi4** 1.0 0.505 0.5 0.5
*cmyn4** 0.0 0.495 0.5 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 37.36 34.75 16.55
*LAB*LABa* 37.36 34.75 16.55
*LAB*TCHa* 25.01 38.49 25.47
relative* CIELAB *lab*
*lab*lab* 0.25 0.451 0.215
*lab*tch* 0.25 0.5 0.071
*lab*nch* 0.5 0.5 0.071
***relative* Natural Colour (NC)**
*lab*lrj* 0.25 0.5 0.0
*lab*tce* 0.25 0.5 1.0
*lab*ncE* 0.5 0.5 b99r

***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* 18.03 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*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

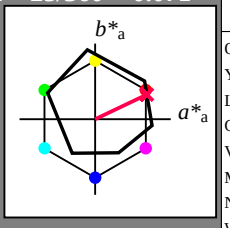
*n** = 0,00
Schwarzheit *n**
0,25 0,50 *n** = 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton *h = lab*h = 25/360 = 0.071**
lab*tch* und *lab*nch

D65: Buntton R
LCH*Ma: 48 76 25
olv*Ma: 1.0 0.0 0.3

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	65.39	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)**
*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 −0.98 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)**
*olvi3** 1.0 0.5 0.652 (1.0)
*cmyn3** 0.0 0.5 0.348 (0.0)
*olvi4** 1.0 0.5 0.652 1.0
*cmyn4** 0.0 0.5 0.348 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 71.7 33.66 19.45
*LAB*LABa* 71.7 34.19 16.29
*LAB*TCHa* 75.0 37.88 25.48
relative* CIELAB *lab*
*lab*lab* 0.694 0.451 0.215
*lab*tch* 0.75 0.5 0.071
*lab*nch* 0.0 0.5 0.071
***relative* Natural Colour (NC)**
*lab*lrj* 0.694 0.5 0.009
*lab*tce* 0.75 0.5 0.003
*lab*ncE* 0.0 0.5 r01j

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.0 0.304 (1.0)
*cmyn3** 0.0 1.0 0.696 (0.0)
*olvi4** 1.0 0.0 0.305 1.0
*cmyn4** 0.0 1.0 0.695 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 48.0 68.31 34.14
*LAB*LABa* 48.0 68.38 32.59
*LAB*TCHa* 50.0 75.75 25.48
relative* CIELAB *lab*
*lab*lab* 0.387 0.903 0.43
*lab*tch* 0.5 1.0 0.071
*lab*nch* 0.0 1.0 0.071
***relative* Natural Colour (NC)**
*lab*lrj* 0.387 1.0 0.018
*lab*tce* 0.5 1.0 0.003
*lab*ncE* 0.0 1.0 r01j

***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 −0.24 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)**
*olvi3** 0.5 0.0 0.152 (1.0)
*cmyn3** 0.5 1.0 0.848 (0.0)
*olvi4** 1.0 0.5 0.652 0.5
*cmyn4** 0.0 0.5 0.348 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 33.01 34.4 16.84
*LAB*LABa* 33.01 34.19 16.3
*LAB*TCHa* 25.01 37.88 25.48
relative* CIELAB *lab*
*lab*lab* 0.194 0.451 0.215
*lab*tch* 0.25 0.5 0.071
*lab*nch* 0.5 0.5 0.071
***relative* Natural Colour (NC)**
*lab*lrj* 0.194 0.5 0.009
*lab*tce* 0.25 0.5 0.003
*lab*ncE* 0.5 0.5 r01j

***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 −0.47
*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** = 0,00
Schwarzheit *n**
0,25 0,50 *n** = 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

VG410−7, 3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)
3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

BAM-Prüfvorlage VG41; Farbmetrik-Systeme CNS18 & ORS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/VG41/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

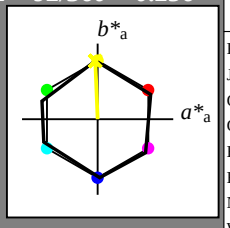
BAM-Registrierung: 20060101-VG41/10L/L41G06NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/VG41/ Forms: 7/10. Serie: 1/1, Seite: 7 Seitenz hlung 1

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

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

D65: Buntton J
LCH*Ma: 57 77 92
olv*Ma: 0.99 1.0 0.0

Dreiecks-Helligkeit t^*



CNS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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

%Umfang
$u^*_{rel} = 100$
%Regularität
$g^*_{H,rel} = 59$
$g^*_{C,rel} = 100$

***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 0.0 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)**
*olvi3** 0.997 1.0 0.5 (1.0)
*cmyn3** 0.003 0.0 0.5 (0.0)
*olvi4** 0.997 1.0 0.5 1.0
*cmyn4** 0.003 0.0 0.5 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 76.05 −1.54 38.52
*LAB*LABa* 76.05 −1.54 38.52
*LAB*TCHa* 75.0 38.55 92.3
relative* CIELAB *lab*
*lab*lab* 0.75 −0.019 0.499
*lab*tch* 0.75 0.5 0.256
*lab*nch* 0.0 0.5 0.256
***relative* Natural Colour (NC)**
*lab*lrj* 0.75 0.0 0.5
*lab*tce* 0.75 0.5 0.25
*lab*ncE* 0.0 0.5 r99j

***relative* Inform. Technology (IT)**
*olvi3** 0.994 1.0 0.0 (1.0)
*cmyn3** 0.006 0.0 1.0 (0.0)
*olvi4** 0.994 1.0 0.0 1.0
*cmyn4** 0.006 0.0 1.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 56.7 −3.09 77.03
*LAB*LABa* 56.7 −3.09 77.03
*LAB*TCHa* 50.0 77.1 92.31
relative* CIELAB *lab*
*lab*lab* 0.5 −0.039 0.999
*lab*tch* 0.5 1.0 0.256
*lab*nch* 0.0 1.0 0.256
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 0.0 1.0
*lab*tce* 0.5 1.0 0.25
*lab*ncE* 0.0 1.0 r99j

***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* 56.72 0.0 0.0
*LAB*LABa* 56.72 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** 0.497 0.5 0.0 (1.0)
*cmyn3** 0.503 0.5 1.0 (0.0)
*olvi4** 0.997 1.0 0.5 0.5
*cmyn4** 0.003 0.0 0.5 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 37.36 −1.55 38.51
*LAB*LABa* 37.36 −1.55 38.51
*LAB*TCHa* 25.01 38.55 92.31
relative* CIELAB *lab*
*lab*lab* 0.25 −0.019 0.499
*lab*tch* 0.25 0.5 0.256
*lab*nch* 0.5 0.5 0.256
***relative* Natural Colour (NC)**
*lab*lrj* 0.25 0.0 0.5
*lab*tce* 0.25 0.5 0.25
*lab*ncE* 0.5 0.5 r99j

***relative* Inform. Technology (IT)**
*olvi3** 0.0 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* 18.03 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*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

$n^* = 0{,}00$ — **Schwarzheit n^***

0,25 — 0,50 — $n^* = 0{,}50$ — 0,75 — 1,00 — **relative Buntheit c^***

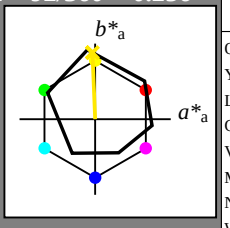
$n^* = 1{,}0$

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

D65: Buntton J
LCH*Ma: 87 88 92
olv*Ma: 1.0 0.91 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	65.39	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)**
*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 −0.98 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)**
*olvi3** 1.0 0.956 0.5 (1.0)
*cmyn3** 0.0 0.044 0.5 (0.0)
*olvi4** 1.0 0.956 0.5 1.0
*cmyn4** 0.0 0.044 0.5 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 91.01 −2.68 48.5
*LAB*LABa* 91.01 −1.78 44.04
*LAB*TCHa* 75.0 44.08 92.32
relative* CIELAB *lab*
*lab*lab* 0.943 −0.019 0.499
*lab*tch* 0.75 0.5 0.256
*lab*nch* 0.0 0.5 0.256
***relative* Natural Colour (NC)**
*lab*lrj* 0.943 −0.004 0.5
*lab*tce* 0.75 0.5 0.252
*lab*ncE* 0.0 0.5 j00g

***relative* Inform. Technology (IT)**
*olvi3** 1.0 0.911 0.0 (1.0)
*cmyn3** 0.0 0.089 1.0 (0.0)
*olvi4** 1.0 0.911 0.0 1.0
*cmyn4** 0.0 0.089 1.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 86.6 −4.37 92.24
*LAB*LABa* 86.6 −3.55 88.08
*LAB*TCHa* 50.0 88.15 92.32
relative* CIELAB *lab*
*lab*lab* 0.886 −0.039 0.999
*lab*tch* 0.5 1.0 0.256
*lab*nch* 0.0 1.0 0.256
***relative* Natural Colour (NC)**
*lab*lrj* 0.886 −0.009 1.0
*lab*tce* 0.5 1.0 0.252
*lab*ncE* 0.0 1.0 j00g

***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 −0.24 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)**
*olvi3** 0.5 0.456 0.0 (1.0)
*cmyn3** 0.5 0.544 1.0 (0.0)
*olvi4** 1.0 0.956 0.5 0.5
*cmyn4** 0.0 0.044 0.5 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 52.31 −1.93 45.89
*LAB*LABa* 52.31 −1.77 44.04
*LAB*TCHa* 25.01 44.07 92.31
relative* CIELAB *lab*
*lab*lab* 0.443 −0.019 0.499
*lab*tch* 0.25 0.5 0.256
*lab*nch* 0.5 0.5 0.256
***relative* Natural Colour (NC)**
*lab*lrj* 0.443 −0.004 0.5
*lab*tce* 0.25 0.5 0.252
*lab*ncE* 0.5 0.5 j00g

***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 −0.47
*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 –

$n^* = 0{,}00$ — **Schwarzheit n^***

0,25 — 0,50 — $n^* = 0{,}50$ — 0,75 — 1,00 — **relative Buntheit c^***

$n^* = 1{,}0$

VG410−7, 3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

BAM-Registrierung: 20060101-VG41/10L/L41G07NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
/VG41/ Form: 8/10. Serie: 1/1, Seite: 8 Seitenz hlung 1

Siehe ähnliche Dateien: http://www.ps.bam.de/VG41/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

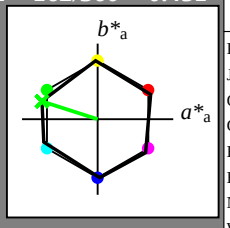
BAM-Prüfvorlage VG41; Farbmetrik-Systeme CNS18 & ORS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton $h^* = lab^*h = 162/360 = 0.451$
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 57 77 162
olv*Ma: 0.0 1.0 0.01

Dreiecks-Helligkeit *t**



%Umfang
u^*_{rel} = 100
%Regularität
$g^*_{H,rel}$ = 59
$g^*_{C,rel}$ = 100

CNS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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

***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 0.0 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)**
*olvi3** 0.5 1.0 0.503 (1.0)
*cmyn3** 0.5 0.0 0.497 (0.0)
*olvi4** 0.5 1.0 0.503 1.0
*cmyn4** 0.5 0.0 0.497 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 76.05 −36.78 11.8
*LAB*LABa* 76.05 −36.78 11.8
*LAB*TCHa* 75.0 38.64 162.22
relative* CIELAB *lab*
*lab*lab* 0.75 −0.475 0.153
*lab*tch* 0.75 0.5 0.451
*lab*nch* 0.0 0.5 0.451
***relative* Natural Colour (NC)**
*lab*lrj* 0.75 −0.499 0.0
*lab*tce* 0.75 0.5 0.5
*lab*ncE* 0.0 0.5 g00b

***relative* Inform. Technology (IT)**
*olvi3** 0.0 1.0 0.006 (1.0)
*cmyn3** 1.0 0.0 0.994 (0.0)
*olvi4** 0.0 1.0 0.006 1.0
*cmyn4** 1.0 0.0 0.994 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 56.7 −73.57 23.6
*LAB*LABa* 56.7 −73.57 23.6
*LAB*TCHa* 50.0 77.27 162.22
relative* CIELAB *lab*
*lab*lab* 0.5 −0.951 0.305
*lab*tch* 0.5 1.0 0.451
*lab*nch* 0.0 1.0 0.451
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 −0.999 0.0
*lab*tce* 0.5 1.0 0.5
*lab*ncE* 0.0 1.0 j99g

***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* 56.72 0.0 0.0
*LAB*LABa* 56.72 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 0.5 0.003 (1.0)
*cmyn3** 1.0 0.5 0.997 (0.0)
*olvi4** 0.5 1.0 0.503 0.5
*cmyn4** 0.5 0.0 0.497 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 37.36 −36.78 11.8
*LAB*LABa* 37.36 −36.78 11.8
*LAB*TCHa* 25.01 38.64 162.22
relative* CIELAB *lab*
*lab*lab* 0.25 −0.475 0.153
*lab*tch* 0.25 0.5 0.451
*lab*nch* 0.5 0.5 0.451
***relative* Natural Colour (NC)**
*lab*lrj* 0.25 −0.499 0.0
*lab*tce* 0.25 0.5 0.5
*lab*ncE* 0.5 0.5 j99g

***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* 18.03 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*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

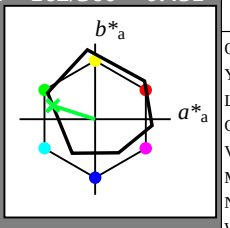
$n^* = 0{,}00$ — **Schwarzheit *n****
0,25 — 0,50 — $n^* = 0{,}50$ — 0,75 — 1,00
relative Buntheit *c**
$n^* = 1{,}0$

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 162/360 = 0.451$
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 53 59 162
olv*Ma: 0.0 1.0 0.21

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	65.39	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)**
*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 −0.98 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)**
*olvi3** 0.5 1.0 0.606 (1.0)
*cmyn3** 0.5 0.0 0.394 (0.0)
*olvi4** 0.5 1.0 0.607 1.0
*cmyn4** 0.5 0.0 0.393 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 73.97 −28.52 12.27
*LAB*LABa* 73.97 −27.94 8.96
*LAB*TCHa* 75.0 29.35 162.23
relative* CIELAB *lab*
*lab*lab* 0.723 −0.475 0.153
*lab*tch* 0.75 0.5 0.451
*lab*nch* 0.0 0.5 0.451
***relative* Natural Colour (NC)**
*lab*lrj* 0.723 −0.498 0.024
*lab*tce* 0.75 0.5 0.492
*lab*ncE* 0.0 0.5 j96g

***relative* Inform. Technology (IT)**
*olvi3** 0.0 1.0 0.213 (1.0)
*cmyn3** 1.0 0.0 0.787 (0.0)
*olvi4** 0.0 1.0 0.213 1.0
*cmyn4** 1.0 0.0 0.787 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 52.54 −56.06 19.79
*LAB*LABa* 52.54 −55.9 17.93
*LAB*TCHa* 50.0 58.71 162.22
relative* CIELAB *lab*
*lab*lab* 0.446 −0.951 0.305
*lab*tch* 0.5 1.0 0.451
*lab*nch* 0.0 1.0 0.451
***relative* Natural Colour (NC)**
*lab*lrj* 0.446 −0.998 0.048
*lab*tce* 0.5 1.0 0.492
*lab*ncE* 0.0 1.0 j96g

***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 −0.24 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)**
*olvi3** 0.0 0.5 0.106 (1.0)
*cmyn3** 1.0 0.5 0.894 (0.0)
*olvi4** 0.5 1.0 0.606 0.5
*cmyn4** 0.5 0.0 0.394 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 35.28 −27.78 9.67
*LAB*LABa* 35.28 −27.95 8.97
*LAB*TCHa* 25.01 29.36 162.21
relative* CIELAB *lab*
*lab*lab* 0.223 −0.475 0.153
*lab*tch* 0.25 0.5 0.451
*lab*nch* 0.5 0.5 0.451
***relative* Natural Colour (NC)**
*lab*lrj* 0.223 −0.498 0.024
*lab*tce* 0.25 0.5 0.492
*lab*ncE* 0.5 0.5 j96g

***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 −0.47
*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 –

$n^* = 0{,}00$ — **Schwarzheit *n****
0,25 — 0,50 — $n^* = 0{,}50$ — 0,75 — 1,00
relative Buntheit *c**
$n^* = 1{,}0$

VG410−7, 3 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)
3 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

BAM-Prüfvorlage VG41; Farbmetrik-Systeme CNS18 & ORS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/VG41/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

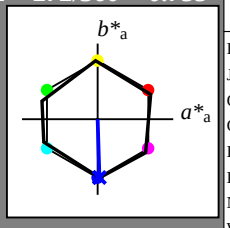
BAM-Registrierung: 20060101-VG41/10L/L41G08NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen
/VG41/ Form: 9/10. Serie: 1/1, Seite: 9 Seitenz hlung 1

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 57 77 272
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit *t**



%Umfang
$u^*_{rel} = 100$
%Regularität
$g^*_{H,rel} = 59$
$g^*_{C,rel} = 100$

CNS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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

***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 0.0 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)**
*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* 56.72 0.0 0.0
*LAB*LABa* 56.72 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 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* 18.03 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*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.502 1.0 (1.0)
*cmyn3** 0.5 0.498 0.0 (0.0)
*olvi4** 0.5 0.503 1.0 1.0
*cmyn4** 0.5 0.497 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 76.05 1.17 −38.54
*LAB*LABa* 76.05 1.17 −38.54
*LAB*TCHa* 75.0 38.57 271.74
relative* CIELAB *lab*
*lab*lab* 0.75 0.015 −0.499
*lab*tch* 0.75 0.5 0.755
*lab*nch* 0.0 0.5 0.755
***relative* Natural Colour (NC)**
*lab*lrj* 0.75 0.0 −0.499
*lab*tce* 0.75 0.5 0.75
*lab*ncE* 0.0 0.5 g99b

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.002 0.5 (1.0)
*cmyn3** 1.0 0.998 0.5 (0.0)
*olvi4** 0.5 0.502 1.0 0.5
*cmyn4** 0.5 0.498 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 37.36 1.18 −38.55
*LAB*LABa* 37.36 1.18 −38.55
*LAB*TCHa* 25.01 38.58 271.75
relative* CIELAB *lab*
*lab*lab* 0.25 0.015 −0.499
*lab*tch* 0.25 0.5 0.755
*lab*nch* 0.5 0.5 0.755
***relative* Natural Colour (NC)**
*lab*lrj* 0.25 0.0 −0.499
*lab*tce* 0.25 0.5 0.75
*lab*ncE* 0.5 0.5 b00r

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.005 1.0 (1.0)
*cmyn3** 1.0 0.995 0.0 (0.0)
*olvi4** 0.0 0.005 1.0 1.0
*cmyn4** 1.0 0.995 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 56.7 2.35 −77.1
*LAB*LABa* 56.7 2.35 −77.1
*LAB*TCHa* 50.0 77.15 271.74
relative* CIELAB *lab*
*lab*lab* 0.5 0.03 −0.998
*lab*tch* 0.5 1.0 0.755
*lab*nch* 0.0 1.0 0.755
***relative* Natural Colour (NC)**
*lab*lrj* 0.5 0.0 −0.999
*lab*tce* 0.5 1.0 0.75
*lab*ncE* 0.0 1.0 b00r

$n^* = 0,00$

Schwarzheit *n**

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

relative Buntheit *c**

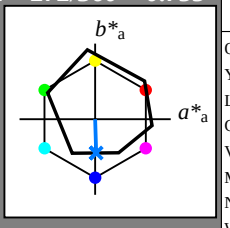
$n^* = 1,0$

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$
lab*tch* und *lab*nch

D65: Buntton B
LCH*Ma: 42 45 272
olv*Ma: 0.0 0.48 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	65.39	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)**
*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 −0.98 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)**
*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 −0.24 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)**
*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 −0.47
*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 –

***relative* Inform. Technology (IT)**
*olvi3** 0.5 0.742 1.0 (1.0)
*cmyn3** 0.5 0.258 0.0 (0.0)
*olvi4** 0.5 0.742 1.0 1.0
*cmyn4** 0.5 0.258 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 68.53 0.2 −19.4
*LAB*LABa* 68.53 0.68 −22.34
*LAB*TCHa* 75.0 22.36 271.73
relative* CIELAB *lab*
*lab*lab* 0.653 0.015 −0.499
*lab*tch* 0.75 0.5 0.755
*lab*nch* 0.0 0.5 0.755
***relative* Natural Colour (NC)**
*lab*lrj* 0.653 0.002 −0.499
*lab*tce* 0.75 0.5 0.751
*lab*ncE* 0.0 0.5 b00r

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.242 0.5 (1.0)
*cmyn3** 1.0 0.758 0.5 (0.0)
*olvi4** 0.5 0.742 1.0 0.5
*cmyn4** 0.5 0.258 0.0 0.5
***standard* and *adapted* CIELAB**
*LAB*LAB* 29.83 0.95 −22.01
*LAB*LABa* 29.83 0.68 −22.34
*LAB*TCHa* 25.01 22.36 271.75
relative* CIELAB *lab*
*lab*lab* 0.153 0.015 −0.499
*lab*tch* 0.25 0.5 0.755
*lab*nch* 0.5 0.5 0.755
***relative* Natural Colour (NC)**
*lab*lrj* 0.153 0.002 −0.499
*lab*tce* 0.25 0.5 0.751
*lab*ncE* 0.5 0.5 b00r

***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.484 1.0 (1.0)
*cmyn3** 1.0 0.516 0.0 (0.0)
*olvi4** 0.0 0.484 1.0 1.0
*cmyn4** 1.0 0.516 0.0 0.0
***standard* and *adapted* CIELAB**
*LAB*LAB* 41.65 1.4 −43.56
*LAB*LABa* 41.65 1.36 −44.69
*LAB*TCHa* 50.0 44.72 271.74
relative* CIELAB *lab*
*lab*lab* 0.305 0.03 −0.998
*lab*tch* 0.5 1.0 0.755
*lab*nch* 0.0 1.0 0.755
***relative* Natural Colour (NC)**
*lab*lrj* 0.305 0.005 −0.999
*lab*tce* 0.5 1.0 0.751
*lab*ncE* 0.0 1.0 b00r

$n^* = 0,00$

Schwarzheit *n**

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

relative Buntheit *c**

$n^* = 1,0$

VG410−7, 3 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

BAM-Prüfvorlage VG41; Farbmetrik-Systeme CNS18 & ORS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

Siehe ähnliche Dateien: http://www.ps.bam.de/VG41/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1

BAM-Registrierung: 20060101-VG41/10L/L41G09NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen

/VG41/ Form: 10/10Serie: 1/1, Seite: 10 Seitenz hlung 1