www.ps.bam.de/NG12/10Q/Q12G00F1.PS/.TXT; Linearisierte-Ausgabe
F: Ausgabe-Linearisierung (OL-Daten) NG12/10Q/Q12G00F1.DAT in der Datei (F)

Siehe ähnliche Dateien: http://www.ps.bam.de/NG12/
Technische Information: http://www.ps.bam.de Version 2.1, io=1.1, CIELAB

BAM-Registrierung: 20060101-NG12/10Q/Q12G00F1.PS/.TXT BAM-Material: Code~ri4ada
Anwendung für Bureeiung und Messung von Drucker~ oder Monitorsystemen

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 38/360 = 0.105$
*lab*tch* und *lab*nch*

D65: Buntton O
LCH*Ma: 48 83 38
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*

%Umfang
$u^*_{oci} = 93$
%Regularität
$g^*_{t,rel} = 57$
$g^*_{c,rel} = 59$

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^C_{IE}39.92	58.66	26.98	64.57	25
J^C_{IE} 81.26	−2.16	67.76	67.79	92
G^C_{IE}52.23	−42.25	11.76	43.87	164
B^C_{IE}30.57	1.15	−46.84	46.86	271

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*rce*	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**	0.5	0.5	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard and adapted* CIELAB**

*LAB*LAB*	56.71	44.24	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*rce*	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*	1.0	0.0	–	
*lab*nch*	1.0	0.0	–	

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

*lab*lrj*	0.0	0.0	0.0	
*lab*rce*	0.0	0.0	–	
*lab*nce*	1.0	0.0	–	

$n^* = 1{,}0$

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

*olv3**	0.5	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	0.0	0.0

***standard and adapted* CIELAB**

*LAB*LAB*	71.67	32.69	25.25	
*LAB*LABa*	71.67	32.15	28.41	
*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*	0.75	0.5	0.105	

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

*lab*lrj*	0.693	0.477	0.15	
*lab*rce*	0.75	0.5	0.048	
*lab*nce*	0.0	0.5	r19j	

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

*olv3**	0.5	0.0	0.0	(1.0)
*cmyn3**	0.5	1.0	1.0	(0.0)
*olv4**	1.0	0.5	0.5	0.5
*cmyn4**	0.0	0.5	0.5	0.5

***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*	0.25	0.5	0.105	

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

*lab*lrj*	0.193	0.477	0.15	
*lab*rce*	0.25	0.5	0.048	
*lab*nce*	0.5	0.5	r19j	

***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*	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*lrj*	0.387	0.9564	0.299	
*lab*rce*	0.5	1.0	0.048	
*lab*nce*	0.0	1.0	r19j	

$n^* = 0{,}00$

Schwarzheit n^*

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

relative Buntheit c^*

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18

für Buntton $h^* = lab^*h = 30/360 = 0.083$
*lab*tch* und *lab*nch*

D65: Buntton O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*

%Umfang
$u^*_{oci} = 100$
%Regularität
$g^*_{t,rel} = 100$
$g^*_{c,rel} = 100$

SRS18; adaptierte CIELAB-Daten

$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma} 56.71	67.03	38.7	77.4	30
Y_{Ma} 56.71	0.0	77.4	77.4	90
L_{Ma} 56.71	−67.02	38.7	77.4	150
C_{Ma} 56.71	−67.02	−38.69	77.4	210
V_{Ma} 56.71	0.0	−77.39	77.4	270
M_{Ma}56.71	67.03	−38.69	77.4	330
N_{Ma} 18.01	0.0	0.0	0.0	0
W_{Ma}95.41	0.0	0.0	0.0	0
R^C_{IE}39.92	58.74	27.99	65.07	25
J^C_{IE} 81.26	−2.88	71.56	71.62	92
G^C_{IE}52.23	−42.41	13.6	44.55	162
B^C_{IE}30.57	1.41	−46.46	46.49	272

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	0.0	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*rce*	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*	56.72	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*rce*	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*	18.03	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*rce*	0.0	0.0	–	
*lab*nce*	1.0	0.0	–	

$n^* = 1{,}0$

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

*olv3**	0.5	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	0.0	0.0

***standard and adapted* CIELAB**

*LAB*LAB*	76.06	33.51	19.35	
*LAB*LABa*	76.06	33.51	19.35	
*LAB*TCHa*	75.0	38.69	30.0	

relative* CIELAB *lab*

*lab*lab*	0.75	0.433	0.25	
*lab*tch*	0.75	0.5	0.083	
*lab*nch*	0.0	0.5	0.083	

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

*lab*lrj*	0.75	0.497	0.053	
*lab*rce*	0.75	0.5	0.017	
*lab*nce*	0.0	0.5	r06j	

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

*olv3**	0.5	0.0	0.0	(1.0)
*cmyn3**	0.5	1.0	1.0	(0.0)
*olv4**	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	33.51	19.35	
*LAB*LABa*	37.36	33.51	19.35	
*LAB*TCHa*	25.01	38.69	30.0	

relative* CIELAB *lab*

*lab*lab*	0.25	0.433	0.25	
*lab*tch*	0.25	0.5	0.083	
*lab*nch*	0.5	0.5	0.083	

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

*lab*lrj*	0.25	0.497	0.053	
*lab*rce*	0.25	0.5	0.017	
*lab*nce*	0.5	0.5	r06j	

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

*olv3**	1.0	0.0	0.0	(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*	56.71	67.02	38.69	
*LAB*LABa*	56.71	67.02	38.69	
*LAB*TCHa*	50.0	77.38	30.0	

relative* CIELAB *lab*

*lab*lab*	0.5	0.866	0.5	
*lab*tch*	0.5	1.0	0.083	
*lab*nch*	0.0	1.0	0.083	

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

*lab*lrj*	0.5	0.994	0.106	
*lab*rce*	0.5	1.0	0.017	
*lab*nce*	0.0	1.0	r06j	

$n^* = 0{,}00$

Schwarzheit n^*

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

relative Buntheit c^*

NG12~7, 3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links) — 3 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

BAM-Prüfvorlage NG12; Farbmetrik-Systeme ORS18 & SRS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Buttöne output: *olv* setrgbcolor / w* setgray*

NG12.1 Form 100, Seite 1.1, Seiten 1 Seitenzählung 1