www.ps.bam.de/UG12/L12G00F1.PS/.TXT; Linearisierte-Ausgabe
F: Ausgabe-Linearisierung (OL-Daten) UG12/L12G00F1.DAT in der Datei (F)

Siehe ähnliche Dateien: http://www.ps.bam.de/UG12/
Technische Information: http://www.ps.bam.de Version 2.1, Io=0.1, CIEXYZ

BAM-Registrierung: 20060101-UG12/L12G00F1.PS/.TXT
Anwendung für Bureauling und Messung von Drucker- oder Monitorsystemen, Yy=2.5, XY2=
BAM-Material: Code=rhadata
UG12/ Form 100, Seite 1/1, Seiten 1, Seitenzahl Nein

Eingabe: Farbmetrisches Reflexions-System ORS18

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

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

Dreiecks-Helligkeit t^*

%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	65.37	50.52	82.62	38
Y_{Ma}	90.37	−10.27	91.77	92.34	96
L_{Ma}	50.9	−62.79	34.95	71.87	151
C_{Ma}	58.62	−30.35	−45.01	54.3	236
V_{Ma}	25.71	31.11	−44.42	54.24	305
M_{Ma}	48.13	75.27	−8.35	75.73	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.56	25
J_{CIE}	81.26	−2.17	67.76	67.79	92
G_{CIE}	52.23	−42.26	11.75	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.87	271

relative Inform. Technology (IT)

*olv13**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olv14**	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	−0.97	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	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	0.0	

relative Inform. Technology (IT)

*olv13**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olv14**	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	−0.23	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	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)

*olv13**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olv14**	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		−0.46
*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*rCe*	0.0	0.0	–	
*lab*nCe*	1.0	0.0	–	

relative Inform. Technology (IT)

*olv13**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olv14**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.5	0.0	0.0

standard and adapted CIELAB

*LAB*LAB*	71.67	32.15	28.41	
*LAB*LABa*	71.67	32.68	25.25	
*LAB*TCHa*	75.0	41.3	37.7	

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)

*olv13**	0.5	0.0	0.0	(1.0)
*cmyn3**	0.5	1.0	1.0	(0.0)
*olv14**	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	32.68	25.25	
*LAB*TCHa*	25.01	41.3	37.7	

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)

*olv13**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olv14**	1.0	0.5	0.5	0.5
*cmyn4**	0.0	1.0	1.0	0.5

standard and adapted CIELAB

*LAB*LAB*	47.95	65.29	52.06	
*LAB*LABa*	47.95	65.36	50.51	
*LAB*TCHa*	50.0	82.6	37.7	

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	0.954	0.299	
*lab*rCe*	0.5	1.0	0.048	
*lab*nCe*	0.0	1.0	r19j	

Schwarzheit n^*

$n^* = 1,0$ $n^* = 0,50$ $n^* = 0,0$

0,25 0,50 0,75 1,00

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System NRS11

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

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

Dreiecks-Helligkeit t^*

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

NRS11; adaptierte CIELAB-Daten	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	53.2	77.06	34.32	84.36	24
J_{Ma}	53.2	−1.51	84.38	84.39	91
G_{Ma}	53.2	−82.27	18.98	84.44	167
$G50B_{Ma}$	53.2	−77.72	−32.98	84.44	203
B_{Ma}	53.2	4.37	−84.28	84.41	273
$B50R_{Ma}$	53.2	69.09	−48.41	84.37	325
N_{Ma}	10.99	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.69	27.98	65.01	25
J_{CIE}	81.26	−2.9	71.56	71.62	92
G_{CIE}	52.23	−42.45	13.59	44.59	162
B_{CIE}	30.57	1.35	−46.48	46.51	272

relative Inform. Technology (IT)

*olv13**	1.0	0.5	0.5	(1.0)
*cmyn3**	0.0	0.5	0.5	(0.0)
*olv14**	1.0	0.5	0.5	1.0
*cmyn4**	0.0	0.5	0.5	0.0

standard and adapted CIELAB

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

relative CIELAB *lab**

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

relative Natural Colour (NC)

*lab*lrj*	0.75	0.5	−0.009	
*lab*rCe*	0.75	0.5	0.989	
*lab*nCe*	0.0	0.5	b98r	

relative Inform. Technology (IT)

*olv13**	1.0	0.5	0.5	(1.0)
*cmyn3**	0.5	1.0	1.0	(0.0)
*olv14**	1.0	0.5	0.5	0.5
*cmyn4**	0.0	0.5	0.5	0.5

standard and adapted CIELAB

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

relative CIELAB *lab**

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

relative Natural Colour (NC)

*lab*lrj*	0.25	0.5	−0.009	
*lab*rCe*	0.25	0.5	0.997	
*lab*nCe*	0.5	0.5	b98r	

relative Inform. Technology (IT)

*olv13**	1.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olv14**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

standard and adapted CIELAB

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

relative CIELAB *lab**

*lab*lab*	0.0	0.0	0.0	
*lab*tch*	0.0	0.0	–	
*lab*nch*	1.0	0.0	–	

relative Natural Colour (NC)

*lab*lrj*	0.0	0.0	0.0	
*lab*rCe*	0.0	0.0	–	
*lab*nCe*	1.0	0.0	–	

Schwarzheit n^*

$n^* = 1,0$ $n^* = 0,50$ $n^* = 0,0$

0,25 0,50 0,75 1,00

relative Buntheit c^*

UG12/−7, 3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links) 3 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.067 (rechts)

BAM-Prüfvorlage UG12; Farbmetrik-Systeme ORS18 & NRS11 input: *cmy0* setcmykcolor*
D65: 2 Koordinaten-Daten von 3stufigen Farbreihen für 10 Buntton output: *olv* setrgbcolor / w* setgray*