See for simlar files: http://www.ps.bam.de/NE57/
Technical information: http://www.ps.bam.de Version 2.1, io=1.1, CIELAB

BAM registration: 20060101-NE57/L57E00F1.PS/.TXT
application for evaluation and measurement of printer or monitor systems

BAM material: code=tha4a

**Input: Colorimetric Standard Reflective System SRS18**
for hue *h* = lab*h = 30/360 = 0.083*
*lab*tch* and *lab*nch*

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

triangle lightness *t**

%Gamut

u*rel = 100

| SRS18; adapted (a) CIELAB data | 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 | |
| $R_{CIE}$ 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 | |

%Regularity
g*H,rel = 100
g*C,rel = 100

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

blackness *n**

chromaticness *c**

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

**Output: Colorimetric Ofset Reflective System ORS18**
for hue *h* = lab*h = 38/360 = 0.105*
*lab*tch* and *lab*nch*

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

triangle lightness *t**

%Gamut

u*rel = 93

| ORS18; adapted (a) CIELAB data | 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 | |

%Regularity
g*H,rel = 57
g*C,rel = 59

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

blackness *n**

chromaticness *c**

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

*n* = 1.0*

NE570−7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

BAM-test chart NE57; Colorimetric systems SRS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv* setrgbcolor / w* setgray*