

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 l^*

Output: Colorimetric Offset 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 l^*

ORS18; adapted (a) CIELAB data

$L^* = L_a^*$ a^* b^* C^*_{aba} h^*_{aba}

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}	85.41	0.0	0.0	0.0	0
R _{CE}	39.92	58.66	26.98	64.57	25
J _{CE}	81.26	-2.16	67.76	67.79	92
C _{CE}	52.23	-42.41	13.6	44.55	162
B _{CE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{\text{red}} = 100$

relative Inform. Technology (IT)	1.0	0.0	0.0
standard and adapted CIEAB	1.0	1.0	1.0
relative Natural Colour (NC)	0.0	0.0	0.0
standard and adapted CIEAB	1.0	1.0	1.0
relative Natural Colour (NC)	0.0	0.0	0.0
LAP-1798	99.99	89.0	89.0
LAP-1799	99.99	89.0	89.0
LAP-1800	99.99	89.0	89.0
LAP-1801	99.99	89.0	89.0
LAP-1802	99.99	89.0	89.0

SRS18; adapted (a) CIELAB data

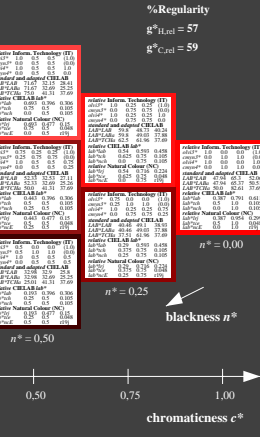
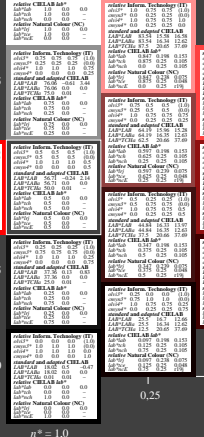
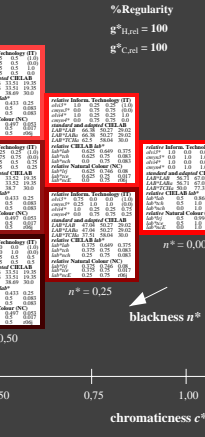
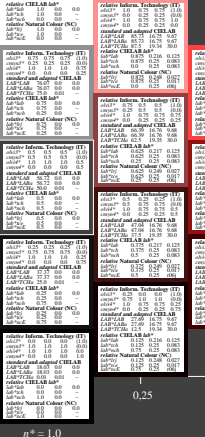
$L^* = L_a^*$ a^* b^* C^*_{aba} h^*_{aba}

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 _{CE}	39.92	58.74	27.99	65.07	25
J _{CE}	81.26	-2.88	71.56	71.62	92
C _{CE}	52.23	-42.41	13.6	44.55	162
B _{CE}	30.57	1.41	-46.46	46.49	272

%Gamut

$u^*_{\text{red}} = 93$

relative Inform. Technology (IT)	1.0	0.0	0.0
standard and adapted CIEAB	1.0	1.0	1.0
relative Natural Colour (NC)	0.0	0.0	0.0
standard and adapted CIEAB	1.0	1.0	1.0
relative Natural Colour (NC)	0.0	0.0	0.0
LAP-1798	99.99	89.0	89.0
LAP-1799	99.99	89.0	89.0
LAP-1800	99.99	89.0	89.0
LAP-1801	99.99	89.0	89.0
LAP-1802	99.99	89.0	89.0



See for similar files: <http://www.ps.bam.de/NE57/>
 Technical information: <http://www.ps.bam.de> Version 2.1, io-1.1, CIELAB

NE57/0-7, 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'tech chart NE57; Colorimetric systems SRS18 & ORS18

input: $olv^* \text{ setrgcolor}$

D65: 2 coordinate data of 5 step colour scales for 10 hues

output: $olv^* \text{ setrgcolor} / w^* \text{ setgray}$

BAM registration: 20060101-NE57/10S/S57E00F1.PS/TXT
 application for evaluation and measurement of printer or monitor systems
 BAM material: code=ht-eta
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