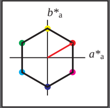
See for similar files: http://www.ps.bam.de/OE07/
Technical information: http://www.ps.bam.de Version 2.1, io=0,0, CIELAB

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**



SRS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	56.71	67.03	38.7	77.4	30
YMa	56.71	0.0	77.4	77.4	90
LMa	56.71	−67.02	38.7	77.4	150
CMa	56.71	−67.02	−38.69	77.4	210
VMa	56.71	0.0	−77.39	77.4	270
MMa	56.71	67.03	−38.69	77.4	330
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

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

$n^* = 0,00$

blackness *n**

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

chromaticness *c**

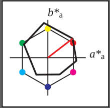
$n^* = 1,0$

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 *t**



ORS18; adapted (a) CIELAB data

	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

%Gamut
u*rel = 93
%Regularity
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** 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** 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* 71.67 32.15 28.41
*LAB*LABa* 71.67 32.69 25.25
*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* 0.0 0.5 0.105
***relative* Natural Colour (NC)**
*lab*lrj* 0.693 0.477 0.15
*lab*tce* 0.75 0.5 0.048
*lab*ncE* 0.0 0.5 r19j

***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* 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* 0.5 0.5 0.105
***relative* Natural Colour (NC)**
*lab*lrj* 0.193 0.477 0.15
*lab*tce* 0.25 0.5 0.048
*lab*ncE* 0.5 0.5 r19j

***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* 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 0.954 0.299
*lab*tce* 0.5 1.0 0.048
*lab*ncE* 0.0 1.0 r19j

$n^* = 0,00$

blackness *n**

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

chromaticness *c**

$n^* = 1,0$

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application for evaluation and measurement of printer or monitor systems

BAM material: code=rha4ta

/OE07/ Form: 1/10, Serie: 1/1, Page: 1 Page: count: 1

OE070−7, 3 step scales for constant CIELAB hue 30/360 = 0.083 (left) 3 step scales for constant CIELAB hue 38/360 = 0.105 (right)