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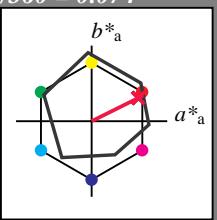
V

-8

See for similar files: <http://www.ps.bam.de/QE10/>Technical information: <http://www.ps.bam.de>

Version 2.1, io=0,0?

## Input: Colorimetric Offset Reflective System ORS18

for hue  $h^* = lab^*h = 26/360 = 0.074$   
 $lab^*tch$  and  $lab^*nch$ D50: hue R  
 LCH\*Ma: 49 76 26  
 oly\*Ma: 1.0 0.0 0.3  
 triangle lightness  $t^*$ 

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 95.46 -0.39 4.69

LAB\*LABa 95.46 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\* 1.0 0.5 0.65 (1.0)  
 cmyn3\* 0.0 0.5 0.35 (0.0)

olvi4\* 1.0 0.5 0.65 1.0

cmyn4\* 0.0 0.5 0.35 0.0

standard and adapted CIELAB

LAB\*LAB 72.0 34.05 20.12

LAB\*LABa 72.0 34.13 16.99

LAB\*TChA 75.0 38.12 26.46

relative CIELAB lab\*

lab\*lab 0.697 0.448 0.223

lab\*tch 0.75 0.5 0.074

lab\*nch 0.0 0.5 0.074

relative Natural Colour (NC)

lab\*lrj 0.697 0.5 0.0

lab\*tce 0.75 0.5 1.0

lab\*nCE 0.0 0.5 b99r

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 0.5 0.5

standard and adapted CIELAB

LAB\*LAB 56.78 0.13 2.11

LAB\*LABa 56.78 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 18.1 0.67 -0.46

LAB\*LABa 18.1 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 -

 $n^* = 1,0$  $n^* = 0,00$ 

## ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	47.94	65.05	50.54	82.38	38
Y <sub>Ma</sub>	91.0	-4.72	90.58	90.7	93
L <sub>Ma</sub>	50.9	-63.18	34.98	72.22	151
M <sub>Ma</sub>	56.99	-39.34	-48.1	62.16	231
V <sub>Ma</sub>	25.72	30.89	-44.4	54.09	305
W <sub>Ma</sub>	95.46	75.76	-4.64	75.9	356
R <sub>Ma</sub>	41.88	61.66	30.69	68.88	26
J <sub>CIE</sub>	81.97	2.02	67.79	67.82	88
G <sub>CIE</sub>	51.62	-41.32	9.74	42.46	167
B <sub>CIE</sub>	29.2	-5.79	-49.61	49.96	263

%Gamut

 $u^*_{rel} = 94$ 

%Regularity

 $g^*_{h,rel} = 65$  $g^*_{c,rel} = 60$ 

## Output: Colorimetric Television Luminous System TLS00

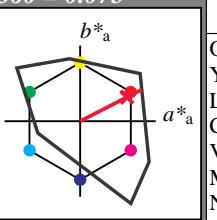
for hue  $h^* = lab^*h = 27/360 = 0.075$ 

lab\*tch and lab\*nch

D50: hue R

LCH\*Ma: 55 92 27

oly\*Ma: 1.0 0.0 0.18

triangle lightness  $t^*$ 

%Gamut

 $u^*_{rel} = 156$ 

%Regularity

 $g^*_{h,rel} = 26$  $g^*_{c,rel} = 45$ 

## TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	54.19	79.36	63.0	101.33	38
Y <sub>Ma</sub>	93.44	-14.18	82.59	83.8	100
L <sub>Ma</sub>	82.82	-83.73	70.41	109.41	140
M <sub>Ma</sub>	85.22	-55.9	-15.78	58.1	196
V <sub>Ma</sub>	25.61	67.05	-108.87	127.87	302
W <sub>Ma</sub>	58.76	91.18	-53.69	105.82	330
R <sub>Ma</sub>	0.01	0.0	0.0	0.0	0
J <sub>CIE</sub>	81.97	1.81	71.59	71.61	89
G <sub>CIE</sub>	51.62	-41.11	11.52	42.7	164
B <sub>CIE</sub>	29.2	-5.27	-49.33	49.62	264

 $n^* = 0,00$ blackness  $n^*$  $n^* = 1,00$  $n^* = 0,50$ chromaticness  $c^*$ 

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

 $n^* = 1,0$ blackness  $n^*$  $n^* = 0,50$ chromaticness  $c^*$ 

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

QE100-7, 3 step scales for constant CIELAB hue 26/360 = 0.074 (left)

BAM-test chart QE10; Colorimetric systems ORS18 & ORS18  
 D50: 2 coordinate data of 3 step colour scales for 10 hues

3 step scales for constant CIELAB hue 27/360 = 0.075 (right)

input:  $cmy0*$  setcmykcolor  
 output: Startup (S) data dependend