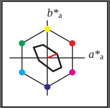
See for similar files: http://www.ps.bam.de/OE09/
Technical information: http://www.ps.bam.de Version 2.1, io=0,0, CIELAB

Input: Colorimetric Television Luminous System TLS70

for hue *h = *lab*h* = 22/360 = 0.061**
lab*tch* and *lab*nch

D65: hue O
LCH*Ma: 76 28 22
olv*Ma: 1.0 0.0 0.0

triangle lightness *t*



TLS70; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	76.43	26.27	10.57	28.32	22
Y_{Ma}	93.93	−10.76	34.63	36.27	107
L_{Ma}	89.32	−35.8	27.64	45.24	142
C_{Ma}	90.93	−21.95	−7.07	23.07	198
V_{Ma}	72.1	15.76	−35.63	38.97	294
M_{Ma}	78.5	37.52	−25.23	45.22	326
N_{Ma}	69.7	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

%Gamut
u^*_{rel} = 16
%Regularity
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

n^* = 0,00

blackness *n*

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

chromaticness *c*

n^* = 1,0

Output: Colorimetric Television Luminous System TLS70

for hue *h = *lab*h* = 22/360 = 0.061**
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D65: hue O
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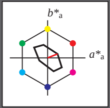

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%Gamut
u^*_{rel} = 16
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$g^*_{C,rel}$ = 51

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 0.0 0.0
*LAB*LABa* 95.41 0.0 0.0
*LAB*TCHa* 99.99 0.0 –
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 0.5 (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* 85.92 13.13 5.28
*LAB*LABa* 85.92 13.13 5.28
*LAB*TCHa* 75.0 14.16 21.92
relative CIELAB *lab**
*lab*lab* 0.631 0.464 0.187
*lab*tch* 0.75 0.5 0.061
*lab*nch* 0.0 0.5 0.061
relative Natural Colour (NC)
*lab*lrj* 0.631 0.499 −0.024
*lab*tce* 0.75 0.5 0.992
*lab*ncE* 0.0 0.5 b96r

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* 82.56 0.0 0.0
*LAB*LABa* 82.56 0.0 0.0
*LAB*TCHa* 50.0 0.0 –
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** 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* 76.43 26.26 10.57
*LAB*LABa* 76.43 26.26 10.57
*LAB*TCHa* 50.0 28.31 21.92
relative CIELAB *lab**
*lab*lab* 0.262 0.928 0.373
*lab*tch* 0.5 1.0 0.061
*lab*nch* 0.0 1.0 0.061
relative Natural Colour (NC)
*lab*lrj* 0.262 0.999 −0.048
*lab*tce* 0.5 1.0 0.992
*lab*ncE* 0.0 1.0 b96r

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* 73.07 13.13 5.28
*LAB*LABa* 73.07 13.13 5.28
*LAB*TCHa* 25.01 14.16 21.92
relative CIELAB *lab**
*lab*lab* 0.131 0.464 0.187
*lab*tch* 0.25 0.5 0.061
*lab*nch* 0.5 0.5 0.061
relative Natural Colour (NC)
*lab*lrj* 0.131 0.499 −0.024
*lab*tce* 0.25 0.5 0.992
*lab*ncE* 0.5 0.5 b96r

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* 69.7 0.0 0.0
*LAB*LABa* 69.7 0.0 0.0
*LAB*TCHa* 0.01 0.0 –
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^* = 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

/OE09/ Form: 1/10, Serie: 1/1, Page: 1 Page: count: 1

OE090−7, 3 step scales for constant CIELAB hue 22/360 = 0.061 (left)
3 step scales for constant CIELAB hue 22/360 = 0.061 (right)