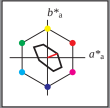
Input: Colorimetric Television Luminous System TLS70
for hue *h* = lab*h = 22/360 = 0.061*
lab*tch* and *lab*nch

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

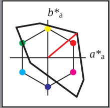
%Gamut
u^*_{rel} = 16
%Regularity
$g^*_{H,rel}$ = 34
$g^*_{C,rel}$ = 51

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 TLS00
for hue *h* = lab*h = 40/360 = 0.111*
lab*tch* and *lab*nch

D65: hue O
LCH*Ma: 51 100 40
olv*Ma: 1.0 0.0 0.0

triangle lightness *t**



TLS00; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	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

%Gamut
u^*_{rel} = 158
%Regularity
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 37

***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 0.01 −
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* 47.72 0.0 0.0
*LAB*LABa* 47.72 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* 0.03 0.0 0.0
*LAB*LABa* 0.03 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* 72.95 38.45 32.27
*LAB*LABa* 72.95 38.45 32.27
*LAB*TCHa* 75.0 50.2 40.0
relative* CIELAB *lab*
*lab*lab* 0.765 0.383 0.321
*lab*tch* 0.75 0.5 0.111
*lab*nch* 0.0 0.5 0.111
***relative* Natural Colour (NC)**
*lab*lrj* 0.765 0.471 0.167
*lab*tce* 0.75 0.5 0.054
*lab*ncE* 0.0 0.5 r21j

***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* 25.26 38.45 32.27
*LAB*LABa* 25.26 38.45 32.27
*LAB*TCHa* 25.01 50.2 40.0
relative* CIELAB *lab*
*lab*lab* 0.265 0.383 0.321
*lab*tch* 0.25 0.5 0.111
*lab*nch* 0.5 0.5 0.111
***relative* Natural Colour (NC)**
*lab*lrj* 0.265 0.471 0.167
*lab*tce* 0.25 0.5 0.054
*lab*ncE* 0.5 0.5 r21j

***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* 50.5 76.9 64.54
*LAB*LABa* 50.5 76.9 64.54
*LAB*TCHa* 50.0 100.4 40.0
relative* CIELAB *lab*
*lab*lab* 0.529 0.766 0.643
*lab*tch* 0.5 1.0 0.111
*lab*nch* 0.0 1.0 0.111
***relative* Natural Colour (NC)**
*lab*lrj* 0.529 0.942 0.335
*lab*tce* 0.5 1.0 0.054
*lab*ncE* 0.0 1.0 r21j

n^* = 0,00
blackness *n**
0,25 0,50 n^* = 0,50 0,75 1,00
chromaticness *c**
n^* = 1,0

See for similar files: http://www.ps.bam.de/OE08/
Technical information: http://www.ps.bam.de Version 2.1, io=0,0, CIELAB

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OE080−7, 3 step scales for constant CIELAB hue 22/360 = 0.061 (left) 3 step scales for constant CIELAB hue 40/360 = 0.111 (right)