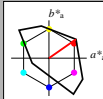


Input: Colorimetric Television Luminous System TSL18

for hue $h^* = lab^*h = 35/360 = 0.097$
 lab^*tch and lab^*nch

D65: hue O
 LCH*Ma: 53 87 35
 olv*Ma: 1.0 0.0 0.0

triangle lightness l^*



%Gamut
 $u_{rel}^* = 118$
 %Regularity
 $g_{rel}^* = 22$
 $g_{rel}^{*C_{rel}} = 40$

TLS18; adapted (a) CIELAB data

L^*	a^*	b^*	C^*_{ab}	h^*_{ab}
O _{Ma} 52.76	71.63	49.88	87.29	35
Y _{Ma} 92.74	-20.02	84.97	87.3	103
L _{Ma} 84.0	-78.98	73.94	108.2	137
C _{Ma} 87.14	-44.41	-13.11	46.32	196
V _{Ma} 35.47	64.92	-95.06	115.12	304
M _{Ma} 59.01	89.33	-55.67	105.26	328
N _{Ma} 18.01	0.0	0.0	0.0	0
W _{Ma} 95.41	0.0	0.0	0.0	0
R _{CEI} 39.92	58.74	27.99	65.07	25
J _{CEI} 81.26	-2.88	71.56	71.62	92
G _{CEI} 52.23	-42.41	13.6	44.55	162
B _{CEI} 30.57	1.41	-46.46	46.49	272

standard and adapted CIELAB

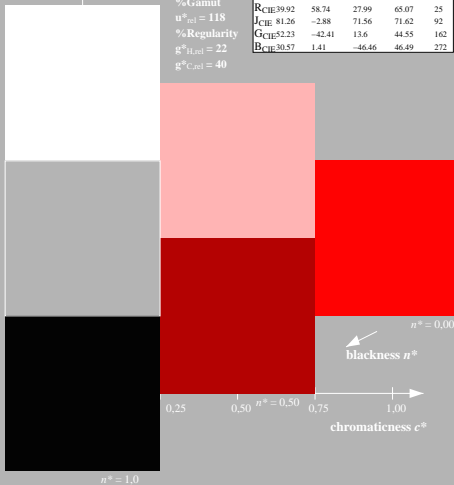
relative Inform. Technology (IT)	relative Natural Colour (NC)
lab^*lab 1.0 0.0 0.0	lab^*lab 1.0 0.0 0.0
lab^*tch 1.0 0.0 -	lab^*tch 1.0 0.0 0.0
lab^*nch 0.0 0.0 -	lab^*nch 1.0 0.0 -
lab^*l^* 1.0 0.0 0.0	lab^*l^* 1.0 0.0 0.0
lab^*tce 1.0 0.0 -	lab^*tce 1.0 0.0 -
lab^*nce 0.0 0.0 -	lab^*nce 0.0 0.0 -

relative Inform. Technology (IT)

$olvi3^*$ 0.5 0.5 0.5 (1.0)
$cmyn3^*$ 0.5 0.5 0.5 (1.0)
$olvi4^*$ 1.0 1.0 1.0 0.5
$cmyn4^*$ 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB^*LAB 56.72 0.0 0.0
LAB^*LAB_a 56.72 0.0 0.0
LAB^*TCH_a 50.0 0.0 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 -
lab^*l^* 0.5 0.0 0.0
lab^*tce 0.5 0.0 -
lab^*nce 0.5 0.0 -
relative Natural Colour (NC)
lab^*lab 0.5 0.0 0.0
lab^*tch 0.5 0.0 -
lab^*nch 0.5 0.0 -
lab^*l^* 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 18.03 0.0 0.0
LAB^*LAB_a 18.03 0.0 0.0
LAB^*TCH_a 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 -
lab^*l^* 0.0 0.0 -
lab^*tce 0.0 0.0 -
lab^*nce 0.0 0.0 -
relative Natural Colour (NC)
lab^*lab 0.0 0.0 0.0
lab^*tch 0.0 0.0 -
lab^*nch 1.0 0.0 -
lab^*l^* 0.0 0.0 -
lab^*tce 0.0 0.0 -
lab^*nce 0.0 0.0 -

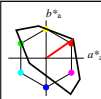


Output: Colorimetric Television Luminous System TSL18

for hue $h^* = lab^*h = 35/360 = 0.097$
 lab^*tch and lab^*nch

D65: hue O
 LCH*Ma: 53 87 35
 olv*Ma: 1.0 0.0 0.0

triangle lightness l^*



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C _{Ma} 87.14	-44.41	-13.11	46.32	196
V _{Ma} 35.47	64.92	-95.06	115.12	304
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R _{CEI} 39.92	58.74	27.99	65.07	25
J _{CEI} 81.26	-2.88	71.56	71.62	92
G _{CEI} 52.23	-42.41	13.6	44.55	162
B _{CEI} 30.57	1.41	-46.46	46.49	272

standard and adapted CIELAB

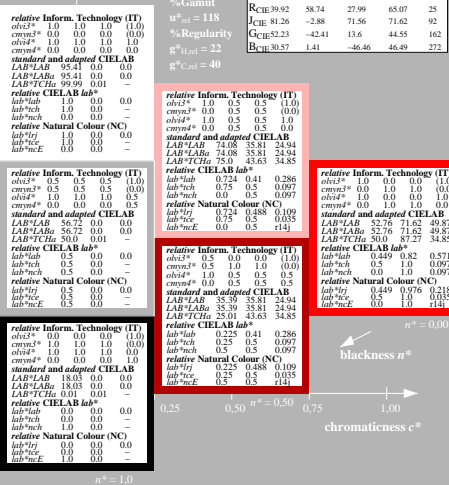
relative Inform. Technology (IT)	relative Natural Colour (NC)
lab^*lab 1.0 0.0 0.0	lab^*lab 1.0 0.0 0.0
lab^*tch 1.0 0.0 -	lab^*tch 1.0 0.0 0.0
lab^*nch 0.0 0.0 -	lab^*nch 1.0 1.0 0.0
lab^*l^* 1.0 1.0 1.0	lab^*l^* 1.0 0.0 0.0
lab^*tce 1.0 0.0 -	lab^*tce 0.0 1.0 1.0 0.0
lab^*nce 0.0 0.0 -	lab^*nce 0.0 1.0 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 74.08 35.81 24.94
LAB^*LAB_a 74.08 35.81 24.94
LAB^*TCH_a 75.0 43.63 34.85
relative CIELAB lab*
lab^*lab 0.724 0.41 0.286
lab^*tch 0.75 0.5 0.097
lab^*nch 0.5 0.5 0.097
lab^*l^* 0.724 0.488 0.109
lab^*tce 0.75 0.5 0.035
lab^*nce 0.0 0.5 0.141
relative Inform. Technology (IT)
$olvi3^*$ 1.0 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 35.39 35.81 24.94
LAB^*LAB_a 35.39 35.81 24.94
LAB^*TCH_a 25.01 43.63 34.85
relative CIELAB lab*
lab^*lab 0.225 0.41 0.286
lab^*tch 0.25 0.5 0.097
lab^*nch 0.5 0.5 0.097
lab^*l^* 0.225 0.488 0.109
lab^*tce 0.25 0.5 0.035
lab^*nce 0.5 0.5 0.141

relative Inform. Technology (IT)

$olvi3^*$ 0.449 0.82 0.571
$cmyn3^*$ 0.0 1.0 1.0 (1.0)
$olvi4^*$ 1.0 0.0 1.0 1.0
$cmyn4^*$ 0.0 1.0 1.0 0.0
standard and adapted CIELAB
LAB^*LAB 52.76 71.62 49.87
LAB^*LAB_a 52.76 71.62 49.87
LAB^*TCH_a 50.0 87.27 34.85
relative CIELAB lab*
lab^*lab 0.449 0.82 0.571
lab^*tch 0.449 0.976 0.218
lab^*nch 0.5 1.0 0.097
lab^*l^* 0.449 0.5 1.0 0.035
lab^*tce 0.0 1.0 0.141
lab^*nce 0.0 1.0 0.141



NE09-7, 3 step scales for constant CIELAB hue 35/360 = 0.097 (left)

3 step scales for constant CIELAB hue 35/360 = 0.097 (right)

BAM-test chart NE09; Colorimetric systems TLS18 & TSL18
 D65: 3 step colour scales and coordinate data for 10 hues

input: $olv^* setrgbcolor$
 output: $olv^* setrgbcolor /w^* setgray$

See for similar files: <http://www.ps.bam.de/NE09/>
 Technical information: <http://www.ps.bam.de/Version 2.1, io=1.1, CIELAB>

BAM registration: 20060101-NE09/10Q/Q09E00F1.PS/TXT BAM material-code=ha4ta
 application for evaluation and measurement of printer or monitor systems
 NE09-7, 3 step scales for constant CIELAB hue 35/360 = 0.097 (left) BAM material-code=ha4ta
 3 step scales for constant CIELAB hue 35/360 = 0.097 (right) BAM material-code=ha4ta
 NE09-7, 3 step scales for constant CIELAB hue 35/360 = 0.097 (left) BAM material-code=ha4ta
 3 step scales for constant CIELAB hue 35/360 = 0.097 (right) BAM material-code=ha4ta