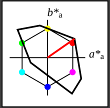
See for similar files: http://www.ps.bam.de/NE09/
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

Input: Colorimetric Television Luminous System TLS18

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 t^*



TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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_{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
$u^*_{rel} = 118$
%Regularity
$g^*_{H,rel} = 22$
$g^*_{C,rel} = 40$

$n^* = 0,00$

blackness n^*

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

chromaticness c^*

$n^* = 1,0$

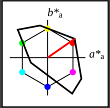
NE090−7, 3 step scales for constant CIELAB hue 35/360 = 0.097 (left)

Output: Colorimetric Television Luminous System TLS18

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 t^*



TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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_{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
$u^*_{rel} = 118$
%Regularity
$g^*_{H,rel} = 22$
$g^*_{C,rel} = 40$

***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**	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*LABa*	74.08	35.81	24.94	
*LAB*TCHa*	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*	0.0	0.5	0.097	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.724	0.488	0.109	
*lab*tce*	0.75	0.5	0.035	
*lab*ncE*	0.0	0.5	r14j	

***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*	56.72	0.0	0.0	
*LAB*LABa*	56.72	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**	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*	52.76	71.62	49.87	
*LAB*LABa*	52.76	71.62	49.87	
*LAB*TCHa*	50.0	87.27	34.85	
relative* CIELAB *lab*				
*lab*lab*	0.449	0.82	0.571	
*lab*tch*	0.5	1.0	0.097	
*lab*nch*	0.0	1.0	0.097	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.449	0.976	0.218	
*lab*tce*	0.5	1.0	0.035	
*lab*ncE*	0.0	1.0	r14j	

***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*	35.39	35.81	24.94	
*LAB*LABa*	35.39	35.81	24.94	
*LAB*TCHa*	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	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.225	0.488	0.109	
*lab*tce*	0.25	0.5	0.035	
*lab*ncE*	0.5	0.5	r14j	

***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*LABa*	18.03	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	−	

$n^* = 0,00$

blackness n^*

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

chromaticness c^*

$n^* = 1,0$

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

BAM registration: 20060101-NE09/10S/S09E00F1.PS/.TXT
application for evaluation and measurement of printer or monitor systems

BAM material: code=rha4ta

/NE09/ Form: 1/10, Serie: 1/1, Page: 1 Page: count: 1