

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

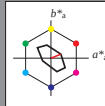
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olvm*Ma: 1.0 0.0 0.0

triangle lightness t^*



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

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	

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$

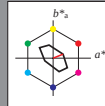
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olvm*Ma: 1.0 0.0 0.0

triangle lightness t^*



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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*Lab	95.41	0.0	0.0			
LAB*TChe	99.99	0.0	0.0			
relative CIELAB lab*						
lab*lab	1.0	0.0	0.0			
lab*tch	1.0	0.0	0.0			
lab*nch	0.0	0.0	0.0			
relative Natural Colour (NC)						
lab*lrj	1.0	0.0	0.0			
lab*tce	1.0	0.0	0.0			
lab*nce	0.0	0.0	0.0			

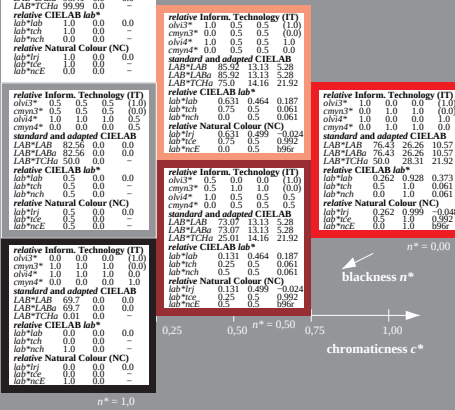
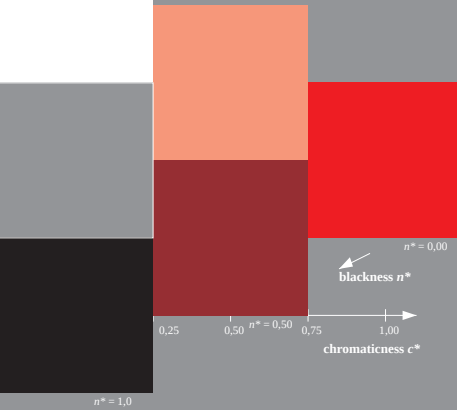
relative Inform. Technology (IT)						
olvi3*	1.0	0.5	0.5	(1.0)		
cmyn3*	0.0	0.5	0.5	(0.0)		
olvi4*	1.0	0.5	0.5	1.0		
cmyn4*	0.0	0.5	0.5	0.0		
standard and adapted CIELAB						
LAB*LAB	85.92	13.13	5.28			
LAB*Lab	85.92	13.13	5.28			
LAB*TChe	75.0	14.16	21.92			
relative CIELAB lab*						
lab*lab	0.631	0.464	0.187			
lab*tch	0.75	0.5	0.061			
lab*nch	0.0	0.5	0.061			
lab*lrj	0.631	0.499	-0.024			
lab*tce	0.75	0.5	0.992			
lab*nce	0.0	0.5	0.999			

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*Lab	76.43	26.26	10.57			
LAB*TChe	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	0.999			

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	1.0		
cmyn4*	0.0	0.0	0.0	0.0		
standard and adapted CIELAB						
LAB*LAB	82.56	0.0	0.0			
LAB*Lab	82.56	0.0	0.0			
LAB*TChe	50.0	0.0	0.0			
relative CIELAB lab*						
lab*lab	0.5	0.0	0.0			
lab*tch	0.5	0.0	0.0			
lab*nch	0.5	0.0	0.0			
relative Natural Colour (NC)						
lab*lrj	0.5	0.0	0.0			
lab*tce	0.5	0.0	0.0			
lab*nce	0.5	0.0	0.0			

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	1.0		
cmyn4*	0.0	0.5	0.5	0.0		
standard and adapted CIELAB						
LAB*LAB	73.07	13.13	5.28			
LAB*Lab	73.07	13.13	5.28			
LAB*TChe	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	0.0	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	0.0	0.5	0.999			

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	1.0		
cmyn4*	0.0	0.5	0.5	0.0		
standard and adapted CIELAB						
LAB*LAB	69.7	0.0	0.0			
LAB*Lab	69.7	0.0	0.0			
LAB*TChe	0.01	0.0	0.0			
relative CIELAB lab*						
lab*lab	0.0	0.0	0.0			
lab*tch	0.0	0.0	0.0			
lab*nch	1.0	0.0	0.0			
relative Natural Colour (NC)						
lab*lrj	0.0	0.0	0.0			
lab*tce	0.0	0.0	0.0			
lab*nce	1.0	0.0	0.0			



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)

BAM-test chart OE09; Colorimetric systems TLS70 & TLS70
D65: 3 step colour scales and coordinate data for 10 hues

input: $cmY0^* \text{ setcmYcolor}$
output: $cmY0^* / 000n^* \text{ setcmYcolor}$