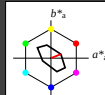


Input: Colorimetric Television Luminous System TLS70

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^*



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

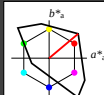
TLS70; adapted (a) CIELAB data						
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$		
Q _{Ma} 76.43	26.27	10.57	28.32	22		
Y _{Ma} 93.93	-10.76	34.63	36.27	107		
L _{Ma} 83.63	-35.8	27.64	45.24	142		
C _{Ma} 79.3	-21.95	-7.07	23.07	198		
V _{Ma} 92.1	15.76	-35.63	38.97	294		
M _{Ma} 68.5	37.52	-25.23	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		
G _{CIE} 81.26	-2.88	71.56	71.62	92		
B _{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 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^*



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

TLS00; adapted (a) CIELAB data						
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$		
Q _{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		
G _{CIE} 81.26	-2.88	71.56	71.62	92		
B _{CIE} 52.23	-42.41	13.6	44.55	162		
B _{CIE} 30.57	1.41	-46.46	46.49	272		

relative Inform. Technology (IT)						
olv3*	1.0	1.0	1.0	(1.0)		
cmyn3*	0.0	0.0	0.0	(0.0)		
olv4*	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*TCMa	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	-			

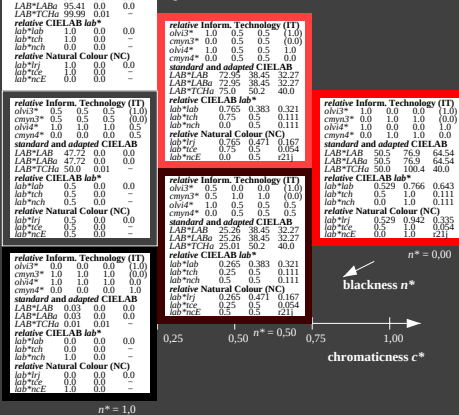
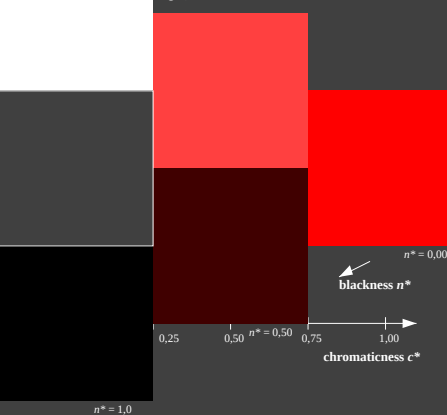
relative Inform. Technology (IT)						
olv3*	1.0	0.5	0.5	(1.0)		
cmyn3*	0.0	0.5	0.5	(0.0)		
olv4*	1.0	0.5	0.5	(1.0)		
cmyn4*	0.0	0.5	0.5	(0.0)		
standard and adapted CIELAB						
LAB*LAB	72.95	38.45	32.27			
LAB*Lab	72.95	38.45	32.27			
LAB*TCMa	75.0	50.2	40.0			
relative CIELAB lab*						
lab*lab	0.765	0.383	0.321			
lab*tch	0.75	0.5	0.111			
lab*nch	0.0	0.5	0.111			
lab*lrj	0.765	0.471	0.167			
lab*tce	0.75	0.5	0.054			
lab*nce	0.0	0.5	0.121			

relative Inform. Technology (IT)						
olv3*	1.0	1.0	1.0	(1.0)		
cmyn3*	0.0	1.0	1.0	(0.0)		
olv4*	1.0	0.0	1.0	(1.0)		
cmyn4*	0.0	1.0	1.0	(0.0)		
standard and adapted CIELAB						
LAB*LAB	50.5	76.9	64.54			
LAB*Lab	50.5	76.9	64.54			
LAB*TCMa	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			
lab*lrj	0.529	0.942	0.325			
lab*tce	0.5	1.0	0.054			
lab*nce	0.0	1.0	0.121			

relative Inform. Technology (IT)						
olv3*	0.5	0.5	0.5	(1.0)		
cmyn3*	0.5	0.5	0.5	(0.0)		
olv4*	1.0	1.0	1.0	(1.0)		
cmyn4*	0.0	0.0	0.0	(0.0)		
standard and adapted CIELAB						
LAB*LAB	47.72	0.0	0.0			
LAB*Lab	47.72	0.0	0.0			
LAB*TCMa	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)						
olv3*	0.5	0.0	0.0	(1.0)		
cmyn3*	0.5	1.0	1.0	(0.0)		
olv4*	1.0	0.5	0.5	(1.0)		
cmyn4*	0.0	0.5	0.5	(0.0)		
standard and adapted CIELAB						
LAB*LAB	25.26	38.45	32.27			
LAB*Lab	25.26	38.45	32.27			
LAB*TCMa	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	0.0	0.5	0.111			
lab*lrj	0.265	0.471	0.167			
lab*tce	0.25	0.5	0.054			
lab*nce	0.0	0.5	0.121			

relative Inform. Technology (IT)						
olv3*	0.5	0.0	0.0	(1.0)		
cmyn3*	0.5	1.0	1.0	(0.0)		
olv4*	1.0	0.5	0.5	(1.0)		
cmyn4*	0.0	0.5	0.5	(0.0)		
standard and adapted CIELAB						
LAB*LAB	0.03	0.0	0.0			
LAB*Lab	0.03	0.0	0.0			
LAB*TCMa	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*lrj	0.0	0.0	0.0			
lab*tce	0.0	0.0	-			
lab*nce	1.0	0.0	-			



NE08-7, 3 step scales for constant CIELAB hue 22/360 = 0.061 (left)

3 step scales for constant CIELAB hue 40/360 = 0.111 (right)

BAM-test chart NE08; Colorimetric systems TLS70 & TLS00
D65: 3 step colour scales and coordinate data for 10 hues

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