

Input: Colorimetric Television Luminous System TLS70

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

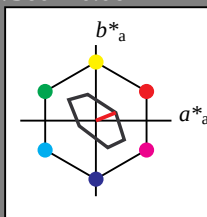
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 16$

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
RC _{IE}	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

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)					
olv3*	1.0	1.0	1.0	(1.0)	
cmv3*	0.0	0.0	0.0	(0.0)	
olv4*	1.0	1.0	1.0	(1.0)	
cmv4*	0.0	0.0	0.0	(0.0)	
LAB*LAB	95.41	0.0	0.0		
LAB*Lab	95.41	0.0	0.0		
LAB*Lab	95.41	0.0	0.0		
LAB*Lab	95.41	0.0	0.0		

relative Inform. Technology (IT)					
olv3*	1.0	0.75	0.75	(1.0)	
cmv3*	0.0	0.25	0.25	(0.0)	
olv4*	1.0	0.75	0.75	(1.0)	
cmv4*	0.0	0.25	0.25	(0.0)	
LAB*LAB	90.66	6.56	2.64		
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relative Inform. Technology (IT)					
olv3*	1.0	0.75	0.75	(1.0)	
cmv3*	0.0	0.25	0.25	(0.0)	
olv4*	1.0	0.75	0.75	(1.0)	
cmv4*	0.0	0.25	0.25	(0.0)	
LAB*LAB	90.66	6.56	2.64		
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olv3*	1.0	0.75	0.75	(1.0)	
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cmv4*	0.0	0.25	0.25	(0.0)	
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cmv4*	0.0	0.0	0.0	(0.0)	
LAB*LAB	88.98	0.0	0.0		
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LAB*ICHa	50.0	14.16	21.92
relative CIELAB lab*			
lab*lab	0.381	0.464	0.187
lab*tch	0.5	0.5	0.061
lab*nch	0.25	0.5	0.061
relative Natural Colour (NC)			
lab*lrj	0.381	0.499	-0.024
lab*tce	0.5	0.5	0.992
lab*nce	0.25	0.5	0.969

	L	V
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Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 198/360 = 0.55$

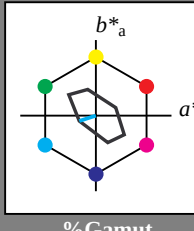
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

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
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R _{CIE}	39.92	58.74	27.99	65.07	25
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$g^*_{C,rel} = 51$

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olv5*	0.75	0.75	0.75	1.0	1.0
olv6*	0.75	0.75	0.75	1.0	1.0
olv7*	0.75	0.75	0.75	1.0	1.0
olv8*	0.75	0.75	0.75	1.0	1.0
olv9*	0.75	0.75	0.75	1.0	1.0
olv10*	0.75	0.75	0.75	1.0	1.0
olv11*	0.75	0.75	0.75	1.0	1.0
olv12*	0.75	0.75	0.75	1.0	1.0
olv13*	0.75	0.75	0.75	1.0	1.0
olv14*	0.75	0.75	0.75	1.0	1.0
olv15*	0.75	0.75	0.75	1.0	1.0
olv16*	0.75	0.75	0.75	1.0	1.0
olv17*	0.75	0.75	0.75	1.0	1.0
olv18*	0.75	0.75	0.75	1.0	1.0
olv19*	0.75	0.75	0.75	1.0	1.0
olv20*	0.75	0.75	0.75	1.0	1.0
olv21*	0.75	0.75	0.75	1.0	1.0
olv22*	0.75	0.75	0.75	1.0	1.0
olv23*	0.75	0.75	0.75	1.0	1.0
olv24*	0.75	0.75	0.75	1.0	1.0
olv25*	0.75	0.75	0.75	1.0	1.0
olv26*	0.75	0.75	0.75	1.0	1.0
olv27*	0.75	0.75	0.75	1.0	1.0
olv28*	0.75	0.75	0.75	1.0	1.0
olv29*	0.75	0.75	0.75	1.0	1.0
olv30*	0.75	0.75	0.75	1.0	1.0
olv31*	0.75	0.75	0.75	1.0	1.0
olv32*	0.75	0.75	0.75	1.0	1.0
olv33*	0.75	0.75	0.75	1.0	1.0
olv34*	0.75	0.75	0.75	1.0	1.0
olv35*	0.75	0.75	0.75	1.0	1.0
olv36*	0.75	0.75	0.75	1.0	1.0
olv37*	0.75	0.75	0.75	1.0	1.0
olv38*	0.75	0.75	0.75	1.0	1.0
olv39*	0.75	0.75	0.75	1.0	1.0
olv40*	0.75	0.75	0.75	1.0	1.0
olv41*	0.75	0.75	0.75	1.0	1.0
olv42*	0.75	0.75	0.75	1.0	1.0
olv43*	0.75	0.75	0.75	1.0	1.0
olv44*	0.75	0.75	0.75	1.0	1.0
olv45*	0.75	0.75	0.75	1.0	1.0
olv46*	0.75	0.75	0.75	1.0	1.0
olv47*	0.75	0.75	0.75	1.0	1.0
olv48*	0.75	0.75	0.75	1.0	1.0
olv49*	0.75	0.75	0.75	1.0	1.0
olv50*	0.75	0.75	0.75	1.0	1.0
olv51*	0.75	0.75	0.75	1.0	1.0
olv52*	0.75	0.75	0.75	1.0	1.0
olv53*	0.75	0.75	0.75	1.0	1.0
olv54*	0.75	0.75	0.75	1.0	1.0
olv55*	0.75	0.75	0.75	1.0	1.0
olv56*	0.75	0.75	0.75	1.0	1.0
olv57*	0.75	0.75	0.75	1.0	1.0
olv58*	0.75	0.75	0.75	1.0	1.0
olv59*	0.75	0.75	0.75	1.0	1.0
olv60*	0.75	0.75	0.75	1.0	1.0
olv61*	0.75	0.75	0.75	1.0	1.0
olv62*	0.75	0.75	0.75	1.0	1.0
olv63*	0.75	0.75	0.75	1.0	1.0
olv64*	0.75	0.75	0.75	1.0	1.0
olv65*	0.75	0.75	0.75	1.0	1.0
olv66*	0.75	0.75	0.75	1.0	1.0
olv67*	0.75	0.75	0.75	1.0	1.0
olv68*	0.75	0.75	0.75	1.0	1.0
olv69*	0.75	0.75	0.75	1.0	1.0
olv70*	0.75	0.75	0.75	1.0	1.0
olv71*	0.75	0.75	0.75	1.0	1.0
olv72*	0.75	0.75	0.75	1.0	1.0
olv73*	0.75	0.75	0.75	1.0	1.0
olv74*	0.75	0.75	0.75	1.0	1.0
olv75*	0.75	0.75	0.75	1.0	1.0
olv76*	0.75	0.75	0.75	1.0	1.0
olv77*	0.75	0.75	0.75	1.0	1.0
olv78*	0.75	0.75	0.75	1.0	1.0
olv79*	0.75	0.75	0.75	1.0	1.0
olv80*	0.75	0.75	0.75	1.0	1.0
olv81*	0.75	0.75	0.75	1.0	1.0
olv82*	0.75	0.75	0.75	1.0	1.0
olv83*	0.75	0.75	0.75	1.0	1.0
olv84*	0.75	0.75	0.75	1.0	1.0
olv85*	0.75	0.75	0.75	1.0	1.0
olv86*	0.75	0.75	0.75	1.0	1.0
olv87*	0.75	0.75	0.75	1.0	1.0
olv88*	0.75	0.75	0.75	1.0	1.0
olv89*	0.75	0.75	0.75	1.0	1.0
olv90*	0.75	0.75	0.75	1.0	1.0
olv91*	0.75	0.75	0.75	1.0	1.0
olv92*	0.75	0.75	0.75	1.0	1.0
olv93*	0.75	0.75	0.75	1.0	1.0
olv94*	0.75	0.75	0.75	1.0	1.0
olv95*	0.75	0.75	0.75	1.0	1.0
olv96*	0.75	0.75	0.75	1.0	1.0
olv97*	0.75	0.75	0.75	1.0	1.0
olv98*	0.75	0.75	0.75	1.0	1.0
olv99*	0.75	0.75	0.75	1.0	1.0
olv100*	0.75	0.75	0.75	1.0	1.0

relative Inform. Technology (IT)				
olv3*	0.75	1.0	1.0	(1.0)
cmyn3*	0.25	0.0	0.0	(0.0)
olv4*	0.75	1.0	1.0	1.0
cmyn4*	0.25	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	94.29	-5.48	-1.76	
LAB*LABa	94.29	-5.48	-1.76	
LAB*TCHE	87.5	5.77	197.87	

Systems

	L	V
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Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

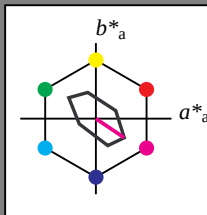
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



TLS70; adapted (a) CIELAB data

	$L^*=L_a$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
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

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	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*LAB	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.75	1.0	(1.0)
olv3*	0.0	0.25	0.0	(0.0)
olv4*	1.0	0.75	1.0	(1.0)
olv4*	0.0	0.25	0.0	(0.0)
olv4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	91.18	9.38	-6.3
LAB*LAB	91.18	9.38	-6.3
LAB*LAB	91.18	9.38	-6.3

relative Inform. Technology (IT)

olv3*	1.0	0.75	1.0	(1.0)
olv3*	0.0	0.25	0.0	(0.0)
olv4*	1.0	0.75	1.0	(1.0)
olv4*	0.0	0.25	0.0	(0.0)
olv4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	86.95	18.76	-12.61
LAB*LAB	86.95	18.76	-12.61
LAB*LAB	86.95	18.76	-12.61

relative Inform. Technology (IT)

olv3*	1.0	0.5	1.0	(1.0)
olv3*	0.0	0.5	0.0	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
olv4*	0.0	0.5	0.0	(0.0)
olv4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	86.95	18.76	-12.61
LAB*LAB	86.95	18.76	-12.61
LAB*LAB	86.95	18.76	-12.61

relative Inform. Technology (IT)

olv3*	1.0	0.25	1.0	(1.0)
olv3*	0.0	0.25	0.0	(0.0)
olv4*	1.0	0.25	1.0	(1.0)
olv4*	0.0	0.25	0.0	(0.0)
olv4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.73	28.14	-18.92
LAB*LAB	82.73	28.14	-18.92
LAB*LAB	82.73	28.14	-18.92

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 326/360 = 0.906$

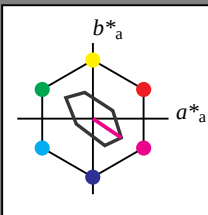
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



TLS70; adapted (a) CIELAB data

	$L^*=L_a$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
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

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	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*LAB	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.75	1.0	(1.0)
olv3*	0.0	0.25	0.0	(0.0)
olv4*	1.0	0.75	1.0	(1.0)
olv4*	0.0	0.25	0.0	(0.0)
olv4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	91.18	9.38	-6.3
LAB*LAB	91.18	9.38	-6.3
LAB*LAB	91.18	9.38	-6.3

relative Inform. Technology (IT)

olv3*	1.0	0.5	1.0	(1.0)
olv3*	0.0	0.5	0.0	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
olv4*	0.0	0.5	0.0	(0.0)
olv4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	86.95	18.76	-12.61
LAB*LAB	86.95	18.76	-12.61
LAB*LAB	86.95	18.76	-12.61

relative Inform. Technology (IT)

olv3*	1.0	0.25	1.0	(1.0)
olv3*	0.0	0.25	0.0	(0.0)
olv4*	1.0	0.25	1.0	(1.0)
olv4*	0.0	0.25	0.0	(0.0)
olv4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	82.73	28.14	-18.92
LAB*LAB	82.73	28.14	-18.92
LAB*LAB	82.73	28.14	-18.92

relative Inform. Technology (IT)

olv3*	1.0	0.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	0.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	78.5	37.52	-25.23
LAB*LAB	78.5	37.52	-25.23
LAB*LAB	78.5	37.52	-25.23

OE59-7, 5 step scales for constant CIELAB hue 326/360 = 0.906 (left)

5 step scales for constant CIELAB hue 326/360 = 0.906 (right)

BAM-test chart OE59; Colorimetric systems TLS70 & TLS70

D65: 2 coordinate data of 5 step colour scales for 10 hues

input: $cmv0^* setcmvcolor$

output: no change compared to input

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab \cdot h = 272/360 = 0.755$

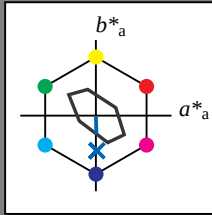
$lab \cdot tch$ and $lab \cdot nch$

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness t^*



relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)
olvi6*	1.0	1.0	1.0	(1.0)
olvi6*	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*LAB	95.41	0.0	0.0
LAB*LAB	95.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LAB	88.98	0.0	0.0
LAB*LAB	88.98	0.0	0.0
LAB*LAB	88.98	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	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*LAB	82.56	0.0	0.0
LAB*LAB	82.56	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LAB	69.7	0.0	0.0
LAB*LAB	69.7	0.0	0.0
LAB*LAB	69.7	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

TLS70; adapted (a) CIELAB data

	L*=L*a	a*	b*	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

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	0.5	0.5	0.5	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	0.5	0.5	0.5	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)
olvi6*	0.5	0.5	0.5	(1.0)
olvi6*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	87.5	0.37	-12.12
LAB*LAB	87.5	0.37	-12.12
LAB*LAB	87.5	0.37	-12.12
LAB*LAB	87.5	0.37	-12.12

relative CIELAB lab*

lab*lab	0.693	0.015	-0.499
lab*lab	0.693	0.015	-0.499
lab*lab	0.693	0.015	-0.499
lab*lab	0.693	0.015	-0.499

relative Natural Colour (NC)

lab*lab	0.693	0.015	-0.499
lab*lab	0.693	0.015	-0.499
lab*lab	0.693	0.015	-0.499
lab*lab	0.693	0.015	-0.499

standard and adapted CIELAB

LAB*LAB	83.55	0.55	-18.18
LAB*LAB	83.55	0.55	-18.18
LAB*LAB	83.55	0.55	-18.18
LAB*LAB	83.55	0.55	-18.18

relative CIELAB lab*

lab*lab	0.539	0.023	-0.749
lab*lab	0.539	0.023	-0.749
lab*lab	0.539	0.023	-0.749
lab*lab	0.539	0.023	-0.749

relative Natural Colour (NC)

lab*lab	0.539	0.023	-0.749
lab*lab	0.539	0.023	-0.749
lab*lab	0.539	0.023	-0.749
lab*lab	0.539	0.023	-0.749

standard and adapted CIELAB

LAB*LAB	81.08	0.37	-12.12
LAB*LAB	81.08	0.37	-12.12
LAB*LAB	81.08	0.37	-12.12
LAB*LAB	81.08	0.37	-12.12

relative CIELAB lab*

lab*lab	0.443	0.0	-0.499
lab*lab	0.443	0.0	-0.499
lab*lab	0.443	0.0	-0.499
lab*lab	0.443	0.0	-0.499

relative Natural Colour (NC)

lab*lab	0.443	0.0	-0.499
lab*lab	0.443	0.0	-0.499
lab*lab	0.443	0.0	-0.499
lab*lab	0.443	0.0	-0.499

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab \cdot h = 272/360 = 0.755$

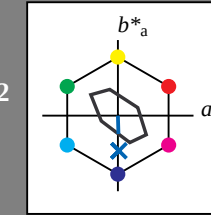
$lab \cdot tch$ and $lab \cdot nch$

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness t^*



relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)
olvi6*	1.0	1.0	1.0	(1.0)
olvi6*	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*LAB	95.41	0.0	0.0
LAB*LAB	95.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LAB	88.98	0.0	0.0
LAB*LAB	88.98	0.0	0.0
LAB*LAB	88.98	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	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*LAB	82.56	0.0	0.0
LAB*LAB	82.56	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LAB	69.7	0.0	0.0
LAB*LAB	69.7	0.0	0.0
LAB*LAB	69.7	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

TLS70; adapted (a) CIELAB data

	L*=L*a	a*	b*	C* _{ab,a}	h* _{ab,a}
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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
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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

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	0.5	0.5	0.5	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	0.5	0.5	0.5	(1.0)
olvi5*	0.0	0.0	0.0	(0.0)
olvi6*	0.5	0.5	0.5	(1.0)
olvi6*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	87.5	0.37	-12.12
LAB*LAB	87.5	0.37	-12.12
LAB*LAB	87.5	0.37	-12.12
LAB*LAB	87.5	0.37	-12.12

relative CIELAB lab*

lab*lab	0.693	0.015	-0.499
lab*lab	0.693	0.015	-0.499
lab*lab	0.693	0.015	-0.499
lab*lab	0.693	0.015	-0.499

relative Natural Colour (NC)

lab*lab	0.693	0.015	-0.499
lab*lab	0.693	0.015	-0.499
lab*lab	0.693	0.015	-0.499
lab*lab	0.693	0.015	-0.499

standard and adapted CIELAB

LAB*LAB	83.55	0.55	-18.18
LAB*LAB	83.55	0.55	-18.18
LAB*LAB	83.55	0.55	-18.18
LAB*LAB	83.55	0.55	-18.18

0,25



blackness