

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

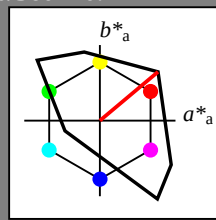
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



TLS00; adapted (a) CIELAB data

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

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	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	0.75	(1.0)
olv3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
olv4*	0.0	0.25	0.25	(0.0)
olv5*	1.0	0.75	0.75	(1.0)
olv5*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	84.18	19.22	16.13
LAB*Lab	84.18	19.22	16.13
LAB*Lab	84.18	19.22	16.13

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv5*	1.0	0.5	0.5	(1.0)
olv5*	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*Lab	72.95	38.45	32.27

relative Inform. Technology (IT)

olv3*	1.0	0.25	0.25	(1.0)
olv3*	0.0	0.75	0.75	(0.0)
olv4*	1.0	0.25	0.25	(1.0)
olv4*	0.0	0.75	0.75	(0.0)
olv5*	1.0	0.25	0.25	(1.0)
olv5*	0.0	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*Lab	61.72	57.68	48.41
LAB*Lab	61.72	57.68	48.41
LAB*Lab	61.72	57.68	48.41

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
olv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
olv4*	0.0	1.0	1.0	(0.0)
olv5*	1.0	0.0	0.0	(1.0)
olv5*	0.0	1.0	1.0	(0.0)

standard and adapted CIELAB

LAB*Lab	50.5	76.92	64.55
LAB*Lab	50.5	76.92	64.55
LAB*Lab	50.5	76.92	64.55

Output: Colorimetric Television Luminous System TLS70

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

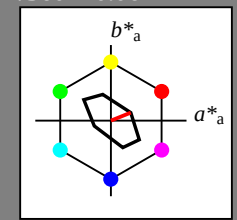
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

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
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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	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	0.75	(1.0)
olv3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
olv4*	0.0	0.25	0.25	(0.0)
olv5*	1.0	0.75	0.75	(1.0)
olv5*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	90.66	6.56	2.64
LAB*Lab	90.66	6.56	2.64
LAB*Lab	90.66	6.56	2.64

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv5*	1.0	0.5	0.5	(1.0)
olv5*	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*Lab	85.92	13.13	5.28

relative Inform. Technology (IT)

olv3*	1.0	0.25	0.25	(1.0)
olv3*	0.0	0.75	0.75	(0.0)
olv4*	1.0	0.25	0.25	(1.0)
olv4*	0.0	0.75	0.75	(0.0)
olv5*	1.0	0.25	0.25	(1.0)
olv5*	0.0	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*Lab	81.17	19.7	7.93
LAB*Lab	81.17	19.7	7.93
LAB*Lab	81.17	19.7	7.93

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
olv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
olv4*	0.0	1.0	1.0	(0.0)
olv5*	1.0	0.0	0.0	(1.0)
olv5*	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*Lab	76.43	26.26	10.57

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	71.57	0.0	0.0
LAB*Lab	71.57	0.0	0.0
LAB*Lab	71.57	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv5*	1.0	0.5	0.5	(1.0)
olv5*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	60.33	19.23	16.14
LAB*Lab	60.33	19.23	16.14
LAB*Lab	60.33	19.23	16.14

relative Inform. Technology (IT)

olv3*	1.0	0.25	0.25	(1.0)
olv3*	0.0	0.75	0.75	(0.0)
olv4*	1.0	0.25	0.25	(1.0)
olv4*	0.0	0.75	0.75	(0.0)
olv5*	1.0	0.25	0.25	(1.0)
olv5*	0.0	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*Lab	50.5	76.92	64.55
LAB*Lab	50.5	76.92	64.55
LAB*Lab	50.5	76.92	64.55

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
olv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
olv4*	0.0	1.0	1.0	(0.0)
olv5*	1.0	0.0	0.0	(1.0)
olv5*	0.0	1.0	1.0	(0.0)

standard and adapted CIELAB

LAB*Lab	50.5	76.92	64.55
LAB*Lab	50.5	76.92	64.55
LAB*Lab	50.5	76.92	64.55

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
olv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
olv4*	0.0	1.0	1.0	(0.0)
olv5*	1.0	0.0	0.0	(1.0)
olv5*	0.0	1.0	1.0	(0.0)

standard and adapted CIELAB

LAB*Lab	50.5	76.92	64.55
LAB*Lab	50.5	76.92	64.55
LAB*Lab	50.5	76.92	64.55

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	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

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv5*	1.0	0.5	0.5	(1.0)
olv5*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	84.24	6.57	2.64
LAB*Lab	84.24	6.57	2.64
LAB*Lab	84.24	6.57	2.64

relative Inform. Technology (IT)

olv3*	1.0	0.25	0.25	(1.0)
olv3*	0.0	0.75	0.75	(0.0)
olv4*	1.0	0.25	0.25	(1.0)
olv4*	0.0	0.75	0.75	(0.0)
olv5*	1.0	0.25	0.25	(1.0)
olv5*	0.0	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*Lab	85.92	13.13	5.28
LAB*Lab	85.92	13.13	5.28
LAB*Lab	85.92	13.13	5.28

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
olv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
olv4*	0.0	1.0	1.0	(0.0)
olv5*	1.0	0.0	0.0	(1.0)
olv5*	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*Lab	76.43	26.26	10.57

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	71.57	0.0	0.0
LAB*Lab	71.57	0.0	0.0
LAB*Lab	71.57	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(1.0)
olv3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	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*Lab	47.72	0.0	0.0

relative

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

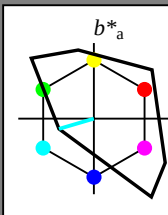
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{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
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

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

ive Inform. Technology (IT)		
* 0.0	0.0	0.0 (1.0)
olv3* 1.0	1.0	1.0 (0.0)
olv4* 1.0	1.0	1.0 (0.0)
olv5* 0.0	0.0	1.0
hard and adapted CIELAB		
*LAB 69.7	0.0	0.0
a 69.7	0.0	0.0
b 0.01	0.0	0.0
ive CIELAB lab*		
lab 0.0	0.0	0.0
ch 0.0	0.0	-
nch 1.0	0.0	-
ive Natural Colour (NC)		
nri 0.0	0.0	0.0
ncc 0.0	0.0	-
nce 1.0	0.0	-

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

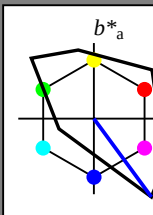
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



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*TCla 99.99 0.01

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*trj 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)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 71.57 0.0 0.0
LAB*Lab 71.57 0.0 0.0
LAB*TCla 75.00 0.01

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

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*TCla 50.00 0.01

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 23.87 0.0 0.0
LAB*Lab 23.87 0.0 0.0
LAB*TCla 25.00 0.01

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (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 0.03 0.0 0.0
LAB*Lab 0.03 0.0 0.0
LAB*TCla 0.00 0.01

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*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

TLS00; adapted (a) CIELAB data

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

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 62.9 38.02 -51.78
LAB*Lab 62.9 38.02 -51.78
LAB*TCla 75.0 64.25 306.29

relative CIELAB lab*
lab*lab 0.639 0.296 -0.402
lab*tch 0.75 0.5 0.851
lab*nch 0.0 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.83 0.115 -0.221
lab*tce 0.875 0.25 0.826
lab*nce 0.0 0.25 0.826

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 39.05 38.03 -51.79
LAB*Lab 39.05 38.03 -51.79
LAB*TCla 50.0 64.26 306.29

relative CIELAB lab*
lab*lab 0.489 0.444 -0.603
lab*tch 0.625 0.75 0.851
lab*nch 0.0 0.75 0.851
relative Natural Colour (NC)
lab*trj 0.489 0.344 -0.665
lab*tce 0.625 0.75 0.826
lab*nce 0.0 0.75 0.826

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.25 0.25 0.25 (0.0)
cmyn4* 0.75 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 22.8 57.04 -77.68
LAB*Lab 22.8 57.04 -77.68
LAB*TCla 37.51 96.38 306.29

relative CIELAB lab*
lab*lab 0.239 0.444 -0.603
lab*tch 0.375 0.75 0.851
lab*nch 0.0 0.75 0.851
relative Natural Colour (NC)
lab*trj 0.239 0.344 -0.665
lab*tce 0.375 0.75 0.826
lab*nce 0.0 0.75 0.826

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olv4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 15.21 38.02 -51.78
LAB*Lab 15.21 38.02 -51.78
LAB*TCla 25.01 64.26 306.29

relative CIELAB lab*
lab*lab 0.159 0.296 -0.402
lab*tch 0.25 0.5 0.851
lab*nch 0.0 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.159 0.23 -0.443
lab*tce 0.25 0.5 0.826
lab*nce 0.0 0.5 0.826

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.25 0.25 (0.0)
cmyn4* 0.75 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 46.64 57.04 -77.68
LAB*Lab 46.64 57.04 -77.68
LAB*TCla 62.5 96.38 306.29

relative CIELAB lab*
lab*lab 0.489 0.444 -0.603
lab*tch 0.625 0.75 0.851
lab*nch 0.0 0.75 0.851
relative Natural Colour (NC)
lab*trj 0.489 0.344 -0.665
lab*tce 0.625 0.75 0.826
lab*nce 0.0 0.75 0.826

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 1.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.39 76.04 -103.59
LAB*Lab 30.39 76.04 -103.59
LAB*TCla 50.0 128.5 306.29

relative CIELAB lab*
lab*lab 0.318 0.459 -0.887
lab*tch 0.5 1.0 0.851
lab*nch 0.0 1.0 0.851
relative Natural Colour (NC)
lab*trj 0.318 0.459 -0.887
lab*tce 0.5 1.0 0.826
lab*nce 0.0 1.0 0.826

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 1.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 69.7 0.0
LAB*Lab 0.03 69.7 0.0
LAB*TCla 0.0 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*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 0.25$

$n^* = 0.00$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 294/360 = 0.816$

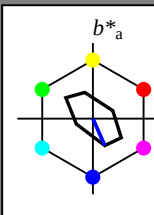
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



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*TCla 99.99 0.01

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*trj 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)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 71.57 0.0 0.0
LAB*Lab 71.57 0.0 0.0
LAB*TCla 75.00 0.01

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

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*TCla 50.00 0.01

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 23.87 0.0 0.0
LAB*Lab 23.87 0.0 0.0
LAB*TCla 25.00 0.01

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (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 0.03 69.7 0.0
LAB*Lab 0.03 69.7 0.0
LAB*TCla 0.0 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*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 62.9 38.02 -51.78
LAB*Lab 62.9 38.02 -51.78
LAB*TCla 75.0 64.25 306.29

relative CIELAB lab*
lab*lab 0.639 0.296 -0.402
lab*tch 0.75 0.5 0.851
lab*nch 0.0 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.83 0.115 -0.221
lab*tce 0.875 0.25 0.826
lab*nce 0.0 0.25 0.826

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 39.05 38.03 -51.79
LAB*Lab 39.05 38.03 -51.79
LAB*TCla 50.0 64.26 306.29

relative CIELAB lab*
lab*lab 0.489 0.444 -0.603
lab*tch 0.625 0.75 0.851
lab*nch 0.0 0.75 0.851
relative Natural Colour (NC)
lab*trj 0.489 0.344 -0.665
lab*tce 0.625 0.75 0.826
lab*nce 0.0 0.75 0.826

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.25 0.25 0.25 (0.0)
cmyn4* 0.75 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 22.8 57.04 -77.68
LAB*Lab 22.8 57.04 -77.68
LAB*TCla 37.51 96.38 306.29

relative CIELAB lab*
lab*lab 0.239 0.444 -0.603
lab*tch 0.375 0.75 0.851
lab*nch 0.0 0.75 0.851
relative Natural Colour (NC)
lab*trj 0.239 0.344 -0.665
lab*tce 0.375 0.75 0.826
lab*nce 0.0 0.75 0.826

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olv4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 15.21 38.02 -51.78
LAB*Lab 15.21 38.02 -51.78
LAB*TCla 25.01 64.26 306.29

relative CIELAB lab*
lab*lab 0.159 0.296 -0.402
lab*tch 0.25 0.5 0.851
lab*nch 0.0 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.159 0.23 -0.443
lab*tce 0.25 0.5 0.826
lab*nce 0.0 0.5 0.826

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.50$

$n^* = 1.0$

chromaticness c^*

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* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 62.9 38.02 -51.78
LAB*Lab 62.9 38.02 -51.78
LAB*TCla 75.0 64.25 306.29

relative CIELAB lab*
lab*lab 0.639 0.296 -0.402
lab*tch 0.75 0.5 0.851
lab*nch 0.0 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.83 0.115 -0.221
lab*tce 0.875 0.25 0.826
lab*nce 0.0 0.25 0.826

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 39.05 38.03 -51.79
LAB*Lab 39.05 38.03 -51.79
LAB*TCla 50.0 64.26 306.29

relative CIELAB lab*
lab*lab 0.489 0.444 -0.603
lab*tch 0.625 0.75 0.851
lab*nch 0.0 0.75 0.851
relative Natural Colour (NC)
lab*trj 0.489 0.344 -0.665
lab*tce 0.625 0.75 0.826
lab*nce 0.0 0.75 0.826

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.25 0.25 0.25 (0.0)
cmyn4* 0.75 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 22.

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

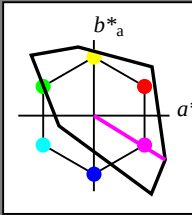
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



TLS00; adapted (a) CIELAB data

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

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 27.73$

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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	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 CIELAB lab*

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

relative Natural Colour (NC)

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

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LAB	71.57	0.0	0.0
LAB*LAB	71.57	0.0	0.0

relative CIELAB lab*

lab*lab	0.9	0.176	-0.177
lab*lab	0.875	0.25	0.912
lab*lab	0.875	0.25	0.912

relative Natural Colour (NC)

lab*lab	0.9	0.176	-0.177
lab*lab	0.875	0.25	0.912
lab*lab	0.875	0.25	0.912

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	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*LAB	47.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.625	0.25	0.912
lab*lab	0.625	0.25	0.912
lab*lab	0.625	0.25	0.912

relative Natural Colour (NC)

lab*lab	0.625	0.25	0.912
lab*lab	0.625	0.25	0.912
lab*lab	0.625	0.25	0.912

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	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*LAB	47.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5

relative Natural Colour (NC)

lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LAB	23.87	0.0	0.0
LAB*LAB	23.87	0.0	0.0

relative CIELAB lab*

lab*lab	0.4	0.213	-0.131
lab*lab	0.375	0.25	0.912
lab*lab	0.375	0.25	0.912

relative Natural Colour (NC)

lab*lab	0.4	0.213	-0.131
lab*lab	0.375	0.25	0.912
lab*lab	0.375	0.25	0.912

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LAB	23.87	0.0	0.0
LAB*LAB	23.87	0.0	0.0

relative CIELAB lab*

lab*lab	0.4	0.213	-0.131
lab*lab	0.375	0.25	0.912
lab*lab	0.375	0.25	0.912

relative Natural Colour (NC)

lab*lab	0.4	0.213	-0.131
lab*lab	0.375	0.25	0.912
lab*lab	0.375	0.25	0.912

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LAB	0.03	0.0	0.0
LAB*LAB	0.03	0.0	0.0

relative CIELAB lab*

lab*lab	0.15	0.212	-0.131
lab*lab	0.125	0.25	0.912
lab*lab	0.125	0.25	0.912

relative Natural Colour (NC)

lab*lab	0.15	0.212	-0.131
lab*lab	0.125	0.25	0.912
lab*lab	0.125	0.25	0.912

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LAB	0.03	0.0	0.0
LAB*LAB	0.03	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

relative Natural Colour (NC)

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

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LAB	0.03	0.0	0.0
LAB*LAB	0.03	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

relative Natural Colour (NC)

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

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LAB	0.03	0.0	0.0
LAB*LAB	0.03	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

relative Natural Colour (NC)

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

NE53-7, 5 step scales for constant CIELAB hue 328/360 = 0.912 (left)

BAM-test chart NE53; Colorimetric systems TLS00 & TLS70

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

Output: Colorimetric Television Luminous System TLS70

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

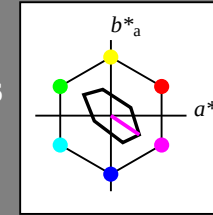
lab^*tch and lab^*nch

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^*_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)
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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	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 CIELAB lab*

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

relative Natural Colour (NC)

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

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	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

relative CIELAB lab*

lab*lab	0.875	0.25	0.912
lab*lab	0.875	0.25	0.912
lab*lab	0.875	0.25	0.912

relative Natural Colour (NC)

lab*lab	0.875	0.25	0.912
lab*lab	0.875	0.25	0.912
lab*lab	0.875	0.25	0.912

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	57.3	94.35	-58.41
LAB*LAB	57.3	94.35	-58.41
LAB*LAB	57.3	94.35	-58.41

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$

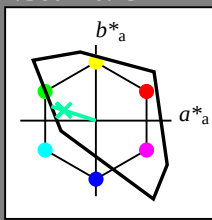
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



$u^*_{rel} = 158$

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*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

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 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (0.25)
cmyn4* 0.0 0.0 0.0 (0.75)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 -

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*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1.0$

TLS00; adapted (a) CIELAB data

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

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.75 (1.0)
cmyn3* 0.5 0.0 0.0 (0.5)
olv4* 0.5 1.0 0.75 (1.0)
cmyn4* 0.5 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 90.57 -29.42 9.43
LAB*LABa 90.57 -29.42 9.43
LAB*LABb 90.57 30.9 162.23

relative CIELAB lab*
lab*lab 0.949 -0.475 0.153
lab*tch 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.949 -0.499 0.0
lab*tce 0.75 0.5 0.3
lab*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.5 (1.0)
cmyn3* 0.75 0.25 0.424 (0.0)
olv4* 0.5 1.0 0.826 (0.5)
cmyn4* 0.5 0.0 0.174 (0.25)
standard and adapted CIELAB
LAB*LAB 66.73 -29.42 9.44
LAB*LABa 66.73 -29.42 9.44
LAB*LABb 66.73 30.91 162.23

relative CIELAB lab*
lab*lab 0.689 -0.475 0.153
lab*tch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.689 -0.499 0.0
lab*tce 0.5 0.5 0.3
lab*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.49 (1.0)
cmyn3* 1.0 0.25 0.51 (0.0)
olv4* 0.25 1.0 0.74 (0.5)
cmyn4* 0.0 0.75 0.26 (0.25)
standard and adapted CIELAB
LAB*LAB 64.32 -44.14 14.16
LAB*LABa 64.32 -44.14 14.16
LAB*LABb 64.32 37.51 46.36 162.23

relative CIELAB lab*
lab*lab 0.674 -0.713 0.229
lab*tch 0.375 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*trj 0.674 -0.749 0.0
lab*tce 0.375 0.75 0.3
lab*nce 0.0 0.75 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.38 (1.0)
cmyn3* 1.0 0.5 0.617 (0.0)
olv4* 0.5 1.0 0.883 (0.5)
cmyn4* 0.0 0.5 0.117 (0.5)
standard and adapted CIELAB
LAB*LAB 81.25 -7.09 2.28
LAB*LABa 81.25 -7.09 2.28
LAB*LABb 81.25 7.46 162.22

relative CIELAB lab*
lab*lab 0.597 -0.237 0.076
lab*tch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.597 -0.249 0.0
lab*tce 0.5 0.5 0.3
lab*nce 0.0 0.5 0.0

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.174 (0.25)
cmyn3* 0.75 0.25 0.424 (0.0)
olv4* 0.25 1.0 0.826 (0.5)
cmyn4* 0.0 0.25 0.174 (0.25)
standard and adapted CIELAB
LAB*LAB 66.73 -29.42 9.44
LAB*LABa 66.73 -29.42 9.44
LAB*LABb 66.73 30.91 162.23

relative CIELAB lab*
lab*lab 0.674 -0.713 0.229
lab*tch 0.375 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*trj 0.674 -0.749 0.0
lab*tce 0.375 0.75 0.3
lab*nce 0.0 0.75 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 69.0 0.0 0.0
LAB*LABa 69.0 0.0 0.0
LAB*LABb 0.0 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*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

chromaticness c^*

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 162/360 = 0.451$

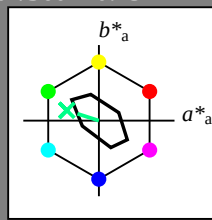
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness t^*



$u^*_{rel} = 16$

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*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

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 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (0.25)
cmyn4* 0.0 0.0 0.0 (0.75)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 -

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*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 1.0$

%Regularity

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

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

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.25 0.367 (0.0)
olv4* 0.5 1.0 0.883 (0.5)
cmyn4* 0.0 0.25 0.117 (0.5)
standard and adapted CIELAB
LAB*LAB 87.67 -7.09 2.28
LAB*LABa 87.67 -7.09 2.28
LAB*LABb 87.67 7.46 162.22

relative CIELAB lab*
lab*lab 0.698 -0.237 0.076
lab*tch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.698 -0.249 0.0
lab*tce 0.5 0.5 0.3
lab*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.5 (1.0)
cmyn3* 0.75 0.25 0.483 (0.0)
olv4* 0.5 1.0 0.767 (0.5)
cmyn4* 0.5 0.0 0.233 (0.25)
standard and adapted CIELAB
LAB*LAB 86.37 -14.2 4.56
LAB*LABa 86.37 -14.2 4.56
LAB*LABb 86.37 14.92 162.22

relative CIELAB lab*
lab*lab 0.847 -0.713 0.229
lab*tch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.847 -0.749 0.0
lab*tce 0.5 0.5 0.3
lab*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.38 (1.0)
cmyn3* 0.75 0.25 0.424 (0.0)
olv4* 0.25 1.0 0.826 (0.5)
cmyn4* 0.0 0.25 0.174 (0.25)
standard and adapted CIELAB
LAB*LAB 66.73 -29.42 9.44
LAB*LABa 66.73 -29.42 9.44
LAB*LABb 66.73 30.91 162.23

relative CIELAB lab*
lab*lab 0.689 -0.475 0.153
lab*tch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.689 -0.499 0.0
lab*tce 0.5 0.5 0.3
lab*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 69.0 0.0 0.0
LAB*LABa 69.0 0.0 0.0
LAB*LABb 0.0 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*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

%Regularity

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

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

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.25 0.367 (0.0)
olv4* 0.5 1.0 0.883 (0.5)
cmyn4* 0.0 0.25 0.117 (0.5)
standard and adapted CIELAB
LAB*LAB 87.67 -7.09 2.28
LAB*LABa 87.67 -7.09 2.28
LAB*LABb 87.67 7.46 162.22

relative CIELAB lab*
lab*lab 0.698 -0.237 0.076
lab*tch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.698 -0.249 0.0
lab*tce 0.5 0.5 0.3
lab*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.5 (1.0)
cmyn3* 0.75 0.25 0.483 (0.0)
olv4* 0.5 1.0 0.767 (0.5)
cmyn4* 0.5 0.0 0.233 (0.25)
standard and adapted CIELAB
LAB*LAB 86.37 -14.2 4.56
LAB*LABa 86.37 -14.2 4.56
LAB*LABb 86.37 14.92 162.22

relative CIELAB lab*
lab*lab 0.847 -0.713 0.229
lab*tch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.847 -0.749 0.0
lab*tce 0.5 0.5 0.3
lab*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.38 (1.0)
cmyn3* 0.75 0.25 0.424 (0.0)
olv4* 0.25 1.0 0.826 (0.5)
cmyn4* 0.0 0.25 0.174 (0.25)
standard and adapted CIELAB
LAB*LAB 66.73 -29.42 9.44
LAB*LABa 66.73 -29.42 9.44
LAB*LABb 66.73 30.91 162.23

relative CIELAB lab*
lab*lab 0.689 -0.475 0.153
lab*tch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.689 -0.499 0.0
lab*tce 0.5 0.5 0.3
lab*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 69.0 0.0 0.0
LAB*LABa 69.0 0.0 0.0
LAB*LABb 0.0 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*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

$n^* = 0.50$

%Regularity

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

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

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.25 0.367 (0.0)
olv4* 0.5 1.0 0.883 (0.5)
cmyn4* 0.0 0.25 0.117 (0.5)
standard and adapted CIELAB
LAB*LAB 87.67 -7.09 2.28
LAB*LABa 87.67 -7.09 2.28
LAB*LABb 87.67 7.46 162.22

relative CIELAB lab*
lab*lab 0.698 -0.237 0.076
lab*tch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.698 -0.249 0.0
lab*tce 0.5 0.5 0.3
lab*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.5 (1.0)
cmyn3* 0.75 0.25 0.483 (0.0)
olv4* 0.5 1.0 0.767 (0.5)
cmyn4* 0.5 0.0 0.233 (0.25)
standard and adapted CIELAB
LAB*LAB 86.37 -14.2 4.56
LAB*LABa 86.37 -14.2 4.56
LAB*LABb 86.37 14.92 162.22

relative CIELAB lab*
lab*lab 0.847 -0.713 0.229
lab*tch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.847 -0.749 0.0
lab*tce 0.5 0.5 0.3
lab*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.38 (1.0)
cmyn3* 0.75 0.25 0.424 (0.0)
olv4* 0.25 1.0 0.826 (0.5)
cmyn4* 0.0 0.25

Input: Colorimetric Television Luminous System TLS00

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

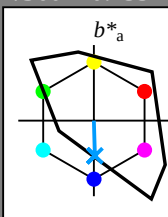
$lab \cdot tch$ and $lab \cdot nch$

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	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)
olvi6*	0.0	0.0	0.0	(0.0)
olvi7*	0.0	0.0	0.0	(0.0)
olvi8*	0.0	0.0	0.0	(0.0)
olvi9*	0.0	0.0	0.0	(0.0)
olvi10*	0.0	0.0	0.0	(0.0)
olvi11*	0.0	0.0	0.0	(0.0)
olvi12*	0.0	0.0	0.0	(0.0)
olvi13*	0.0	0.0	0.0	(0.0)
olvi14*	0.0	0.0	0.0	(0.0)
olvi15*	0.0	0.0	0.0	(0.0)
olvi16*	0.0	0.0	0.0	(0.0)
olvi17*	0.0	0.0	0.0	(0.0)
olvi18*	0.0	0.0	0.0	(0.0)
olvi19*	0.0	0.0	0.0	(0.0)
olvi20*	0.0	0.0	0.0	(0.0)
olvi21*	0.0	0.0	0.0	(0.0)
olvi22*	0.0	0.0	0.0	(0.0)
olvi23*	0.0	0.0	0.0	(0.0)
olvi24*	0.0	0.0	0.0	(0.0)
olvi25*	0.0	0.0	0.0	(0.0)
olvi26*	0.0	0.0	0.0	(0.0)
olvi27*	0.0	0.0	0.0	(0.0)
olvi28*	0.0	0.0	0.0	(0.0)
olvi29*	0.0	0.0	0.0	(0.0)
olvi30*	0.0	0.0	0.0	(0.0)
olvi31*	0.0	0.0	0.0	(0.0)
olvi32*	0.0	0.0	0.0	(0.0)
olvi33*	0.0	0.0	0.0	(0.0)
olvi34*	0.0	0.0	0.0	(0.0)
olvi35*	0.0	0.0	0.0	(0.0)
olvi36*	0.0	0.0	0.0	(0.0)
olvi37*	0.0	0.0	0.0	(0.0)
olvi38*	0.0	0.0	0.0	(0.0)
olvi39*	0.0	0.0	0.0	(0.0)
olvi40*	0.0	0.0	0.0	(0.0)
olvi41*	0.0	0.0	0.0	(0.0)
olvi42*	0.0	0.0	0.0	(0.0)
olvi43*	0.0	0.0	0.0	(0.0)
olvi44*	0.0	0.0	0.0	(0.0)
olvi45*	0.0	0.0	0.0	(0.0)
olvi46*	0.0	0.0	0.0	(0.0)
olvi47*	0.0	0.0	0.0	(0.0)
olvi48*	0.0	0.0	0.0	(0.0)
olvi49*	0.0	0.0	0.0	(0.0)
olvi50*	0.0	0.0	0.0	(0.0)
olvi51*	0.0	0.0	0.0	(0.0)
olvi52*	0.0	0.0	0.0	(0.0)
olvi53*	0.0	0.0	0.0	(0.0)
olvi54*	0.0	0.0	0.0	(0.0)
olvi55*	0.0	0.0	0.0	(0.0)
olvi56*	0.0	0.0	0.0	(0.0)
olvi57*	0.0	0.0	0.0	(0.0)
olvi58*	0.0	0.0	0.0	(0.0)
olvi59*	0.0	0.0	0.0	(0.0)
olvi60*	0.0	0.0	0.0	(0.0)
olvi61*	0.0	0.0	0.0	(0.0)
olvi62*	0.0	0.0	0.0	(0.0)
olvi63*	0.0	0.0	0.0	(0.0)
olvi64*	0.0	0.0	0.0	(0.0)
olvi65*	0.0	0.0	0.0	(0.0)
olvi66*	0.0	0.0	0.0	(0.0)
olvi67*	0.0	0.0	0.0	(0.0)
olvi68*	0.0	0.0	0.0	(0.0)
olvi69*	0.0	0.0	0.0	(0.0)
olvi70*	0.0	0.0	0.0	(0.0)
olvi71*	0.0	0.0	0.0	(0.0)
olvi72*	0.0	0.0	0.0	(0.0)
olvi73*	0.0	0.0	0.0	(0.0)
olvi74*	0.0	0.0	0.0	(0.0)
olvi75*	0.0	0.0	0.0	(0.0)
olvi76*	0.0	0.0	0.0	(0.0)
olvi77*	0.0	0.0	0.0	(0.0)
olvi78*	0.0	0.0	0.0	(0.0)
olvi79*	0.0	0.0	0.0	(0.0)
olvi80*	0.0	0.0	0.0	(0.0)
olvi81*	0.0	0.0	0.0	(0.0)
olvi82*	0.0	0.0	0.0	(0.0)
olvi83*	0.0	0.0	0.0	(0.0)
olvi84*	0.0	0.0	0.0	(0.0)
olvi85*	0.0	0.0	0.0	(0.0)
olvi86*	0.0	0.0	0.0	(0.0)
olvi87*	0.0	0.0	0.0	(0.0)
olvi88*	0.0	0.0	0.0	(0.0)
olvi89*	0.0	0.0	0.0	(0.0)
olvi90*	0.0	0.0	0.0	(0.0)
olvi91*	0.0	0.0	0.0	(0.0)
olvi92*	0.0	0.0	0.0	(0.0)
olvi93*	0.0	0.0	0.0	(0.0)
olvi94*	0.0	0.0	0.0	(0.0)
olvi95*	0.0	0.0	0.0	(0.0)
olvi96*	0.0	0.0	0.0	(0.0)
olvi97*	0.0	0.0	0.0	(0.0)
olvi98*	0.0	0.0	0.0	(0.0)
olvi99*	0.0	0.0	0.0	(0.0)
olvi100*	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.75	0.903	1.0	(1.0)
olvi4*	0.25	0.097	0.0	(0.0)
olvi5*	0.75	0.903	1.0	(1.0)
olvi6*	0.25	0.097	0.0	(0.0)
olvi7*	0.75	0.903	1.0	(1.0)
olvi8*	0.25	0.097	0.0	(0.0)
olvi9*	0.75	0.903	1.0	(1.0)
olvi10*	0.25	0.097	0.0	(0.0)
olvi11*	0.75	0.903	1.0	(1.0)
olvi12*	0.25	0.097	0.0	(0.0)
olvi13*	0.75	0.903	1.0	(1.0)
olvi14*	0.25	0.097	0.0	(0.0)
olvi15*	0.75	0.903	1.0	(1.0)
olvi16*	0.25	0.097	0.0	(0.0)
olvi17*	0.75	0.903	1.0	(1.0)
olvi18*	0.25	0.097	0.0	(0.0)
olvi19*	0.75	0.903	1.0	(1.0)
olvi20*	0.25	0.097	0.0	(0.0)
olvi21*	0.75	0.903	1.0	(1.0)
olvi22*	0.25	0.097	0.0	(0.0)
olvi23*	0.75	0.903	1.0	(1.0)
olvi24*	0.25	0.097	0.0	(0.0)
olvi25*	0.75	0.903	1.0	(1.0)
olvi26*	0.25	0.097	0.0	(0.0)
olvi27*	0.75	0.903	1.0	(1.0)
olvi28*	0.25	0.097	0.0	(0.0)
olvi29*	0.75	0.903	1.0	(1.0)
olvi30*	0.25	0.097	0.0	(0.0)
olvi31*	0.75	0.903	1.0	(1.0)
olvi32*	0.25	0.097	0.0	(0.0)
olvi33*	0.75	0.903	1.0	(1.0)
olvi34*	0.25	0.097	0.0	(0.0)
olvi35*	0.75	0.903	1.0	(1.0)
olvi36*	0.25	0.097	0.0	(0.0)
olvi37*	0.75	0.903	1.0	(1.0)
olvi38*	0.25	0.097	0.0	(0.0)
olvi39*	0.75	0.903	1.0	(1.0)
olvi40*	0.25	0.097	0.0	(0.0)
olvi41*	0.75	0.903	1.0	(1.0)
olvi42*	0.25	0.097	0.0	(0.0)
olvi43*	0.75	0.903	1.0	(1.0)
olvi44*	0.25	0.097	0.0	(0.0)
olvi45*	0.75	0.903	1.0	(1.0)
olvi46*	0.25	0.097	0.0	(0.0)
olvi47*	0.75	0.903	1.0	(1.0)
olvi48*	0.25	0.097	0.0	(0.0)
olvi49*	0.75	0.903	1.0	(1.0)
olvi50*	0.25	0.097	0.0	(0.0)
olvi51*	0.75	0.903	1.0	(1.0)
olvi52*	0.25	0.097	0.0	(0.0)
olvi53*	0.75	0.903	1.0	(1.0)
olvi54*	0.25	0.097	0.0	(0.0)
olvi55*	0.75	0.903	1.0	(1.0)
olvi56*	0.25	0.097	0.0	(0.0)
olvi57*	0.75	0.903	1.0	(1.0)
olvi58*	0.25	0.097	0.0	(0.0)
olvi59*	0.75	0.903	1.0	(1.0)
olvi60*	0.25	0.097	0.0	(0.0)
olvi61*	0.75	0.903	1.0	(1.0)
olvi62*	0.25	0.097	0.0	(0.0)
olvi63*	0.75	0.903	1.0	(1.0)
olvi64*	0.25	0.097	0.0	(0.0)
olvi65*	0.75	0.903	1.0	(1.0)
olvi66*	0.25	0.097	0.0	(0.0)
olvi67*	0.75	0.903	1.0	(1.0)
olvi68*	0.25	0.097	0.0	(0.0)
olvi69*	0.75	0.903	1.0	(1.0)
olvi70*	0.25	0.097	0.0	(0.0)
olvi71*	0.75	0.903	1.0	(1.0)
olvi72*	0.25	0.097	0.0	(0.0)
olvi73*	0.75	0.903	1.0	(1.0)
olvi74*	0.25	0.097	0.0	(0.0)
olvi75*	0.75	0.903	1.0	(1.0)
olvi76*	0.25	0.097	0.0	(0.0)
olvi77*	0.75	0.903	1.0	(1.0)
olvi78*	0.25	0.097	0.0	(0.0)
olvi79*	0.75	0.903	1.0	(1.0)
olvi80*	0.25	0.097	0.0	(0.0)
olvi81*	0.75	0.903	1.0	(1.0)
olvi82*	0.25	0.097	0.0	(0.0)
olvi83*	0.75	0.903	1.0	(1.0)
olvi84*	0.25	0.097	0.0	(0.0)
olvi85*	0.75	0.903	1.0	(1.0)
olvi86*	0.25	0.097	0.0	(0.0)
olvi87*	0.75	0.903	1.0	(1.0)
olvi88*	0.25	0.097	0.0	(0.0)
olvi89*	0.75	0.903	1.0	(1.0)
olvi90*	0.25	0.097	0.0	(0.0)
olvi91*	0.75	0.903	1.0	(1.0)
olvi92*	0.25	0.097	0.0	(0.0)
olvi93*	0.75	0.903	1.0	(1.0)
olvi94*	0.25	0.097	0.0	(0.0)
olvi95*	0.75	0.903	1.0	(1.0)
olvi96*	0.25	0.097	0.0	(0.0)
olvi97*	0.75	0.903	1.0	(1.0)
olvi98*	0.25	0.097	0.0	(0.0)
olvi99*	0.75	0.903	1.0	(1.0)
olvi100*	0.25	0.097	0.0	(0.0)

LAB* <i>TCHa</i>	87.5	12.16	271.7
relative CIELAB lab*			
lab* <i>lab</i>	0.92	0.007	-0.249
lab* <i>tch</i>	0.875	0.25	0.755
lab* <i>nch</i>	0.0	0.25	0.755
relative Natural Colour (NC)			
lab* <i>lrj</i>	0.92	0.0	-0.249
lab* <i>tce</i>	0.875	0.25	0.75
lab* <i>nce</i>	0.0	0.25	g99b