

Input: Colorimetric Television Luminous System TLS00

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

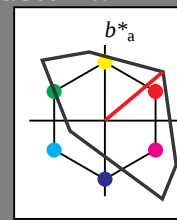
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

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*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	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	84.18	19.22	16.13	
LAB*LABa	84.18	19.22	16.13	
LAB*LABb	97.5	25.09	40.0	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
cmv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
cmv4*	0.0	0.5	0.5	(0.0)
LAB*LAB	72.95	38.45	32.27	
LAB*LABa	72.95	38.45	32.27	
LAB*LABb	75.0	50.2	40.0	

relative Inform. Technology (IT)

olv3*	1.0	0.25	0.25	(1.0)
cmv3*	0.0	0.75	0.75	(0.0)
olv4*	1.0	0.25	0.25	(1.0)
cmv4*	0.0	0.75	0.75	(0.0)
LAB*LAB	61.72	57.68	48.41	
LAB*LABa	61.72	57.68	48.41	
LAB*LABb	62.5	73.3	40.0	

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
cmv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	50.0	100.0	40.0	
LAB*LABa	50.0	100.0	40.0	
LAB*LABb	50.0	100.0	40.0	

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
cmv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	50.0	100.0	40.0	
LAB*LABa	50.0	100.0	40.0	
LAB*LABb	50.0	100.0	40.0	

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
cmv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	50.0	100.0	40.0	
LAB*LABa	50.0	100.0	40.0	
LAB*LABb	50.0	100.0	40.0	

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
cmv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	50.0	100.0	40.0	
LAB*LABa	50.0	100.0	40.0	
LAB*LABb	50.0	100.0	40.0	

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
cmv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	50.0	100.0	40.0	
LAB*LABa	50.0	100.0	40.0	
LAB*LABb	50.0	100.0	40.0	

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
cmv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	50.0	100.0	40.0	
LAB*LABa	50.0	100.0	40.0	
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olv3*	1.0	0.0	0.0	(1.0)
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olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	50.0	100.0	40.0	
LAB*LABa	50.0	100.0	40.0	
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olv3*	1.0	0.0	0.0	(1.0)
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cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	50.0	100.0	40.0	
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relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
cmv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	50.0	100.0	40.0	
LAB*LABa	50.0	100.0	40.0	
LAB*LABb	50.0	100.0	40.0	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
cmv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
LAB*LAB	71.57	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	
LAB*LABb	75.0	0.01	-	

relative Inform. Technology (IT)

olv3*	0.75	0.5	0.5	(1.0)
cmv3*	0.25	0.5	0.5	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.25	0.25	(0.0)
LAB*LAB	60.33	19.23	16.14	
LAB*LABa	60.33	19.23	16.14	
LAB*LABb	62.5	25.1	40.0	

relative Inform. Technology (IT)

olv3*	0.75	0.25	0.25	(1.0)
cmv3*	0.25	0.75	0.75	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
cmv4*	0.0	0.5	0.5	(0.0)
LAB*LAB	49.11	38.46	32.28	
LAB*LABa	49.11	38.46	32.28	
LAB*LABb	50.0	50.21	40.0	

relative Inform. Technology (IT)

olv3*	0.75	0.0	0.0	(1.0)
cmv3*	0.25	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	49.11	38.46	32.28	
LAB*LABa	49.11	38.46	32.28	
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olv4*	1.0	0.0	0.0	(1.0)
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LAB*LAB	49.11	38.46	32.28	
LAB*LABa	49.11	38.46	32.28	
LAB*LABb	50.0	50.21	40.0	

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(1.0)
cmv3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*LABb	50.0	0.01	-	

relative Inform. Technology (IT)

olv3*	0.5	0.25	0.25	(1.0)
cmv3*	0.5	0.75	0.75	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.25	0.25	(0.0)
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
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olv3*	0.5	0.0	0.0	(1.0)
cmv3*	0.5	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*LABb	50.0	0.01	-	

relative Inform. Technology (IT)

olv3*	0.5	0.0	0.0	(1.0)
cmv3*	0.5	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*LABb	50.0	0.01	-	

relative Inform. Technology (IT)

olv3*	0.5	0.0	0.0	(1.0)
cmv3*	0.5	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*LABb	50.0	0.01	-	

relative Inform. Technology (IT)

olv3*	0.5	0.0	0.0	(1.0)
cmv3*	0.5	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*LABb	50.0	0.01	-	

relative Inform. Technology (IT

See for similar files: <http://www.ps.bam.de/OE55/>
Technical information: <http://www.ps.bam.de> Version 2.1, io=0.0

Page count: 2

www.ps.bam.de/OE55/10S/S55E01NP.PS/.PDF; start output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

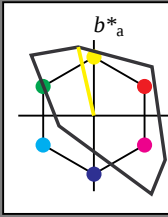
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 158$

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*LABb	99.99	0.01	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*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)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(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	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	75.00	0.01	0.0

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)

olvi3*	0.5	0.5	0.5	(0.0)
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	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.00	0.01	0.0

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)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(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	23.87	0.0	0.0
LAB*LABa	23.87	0.0	0.0
LAB*LABb	25.00	0.01	0.0

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)

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	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	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	0.0	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	0.0	0.0	0.0

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	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	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	0.0	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	0.0	0.0	0.0

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)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	94.03	-10.34	45.37
LAB*LABa	94.03	-10.34	45.37
LAB*LABb	75.00	46.53	102.85

relative CIELAB lab*

lab*lab	0.985	-0.11	0.487
lab*tch	0.985	-0.11	0.487
lab*nch	0.0	0.5	0.286

relative Natural Colour (NC)

lab*trj	0.985	-0.116	0.486
lab*tce	0.985	-0.116	0.486
lab*nce	0.0	0.5	0.286

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.25	(1.0)
cmyn3*	0.25	0.25	0.75	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	70.19	-10.34	45.38
LAB*LABa	70.19	-10.34	45.38
LAB*LABb	50.00	46.54	102.85

relative CIELAB lab*

lab*lab	0.736	-0.11	0.487
lab*tch	0.736	-0.11	0.487
lab*nch	0.0	0.5	0.286

relative Natural Colour (NC)

lab*trj	0.736	-0.116	0.486
lab*tce	0.736	-0.116	0.486
lab*nce	0.0	0.5	0.286

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	46.34	-10.34	45.37
LAB*LABa	46.34	-10.34	45.37
LAB*LABb	25.01	46.53	102.85

relative CIELAB lab*

lab*lab	0.486	-0.11	0.487
lab*tch	0.486	-0.11	0.487
lab*nch	0.0	0.5	0.286

relative Natural Colour (NC)

lab*trj	0.486	-0.116	0.486
lab*tce	0.486	-0.116	0.486
lab*nce	0.0	0.5	0.286

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.75	0.75	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	23.17	-10.34	45.37
LAB*LABa	23.17	-10.34	45.37
LAB*LABb	12.5	46.53	102.85

relative CIELAB lab*

lab*lab	0.243	-0.055	0.244
lab*tch	0.243	-0.055	0.244
lab*nch	0.0	0.5	0.286

relative Natural Colour (NC)

lab*trj	0.243	-0.058	0.243
lab*tce	0.243	-0.058	0.243
lab*nce	0.0	0.5	0.286

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	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	0.0	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	0.0	0.0	0.0

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	-0.98	4.75
LAB*LABa	95.41	-0.98	4.75
LAB*LABb	99.99	0.01	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*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)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(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	76.06	-0.61	3.44
LAB*LABa	76.06	-0.61	3.44
LAB*LABb	75.00	0.01	0.0

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)

olvi3*	0.5	0.5	0.5	(0.0)
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	56.71	0.24	2.14
LAB*LABa	56.71	0.24	2.14
LAB*LABb	50.00	0.01	0.0

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)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(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	46.34	-0.13	0.36
LAB*LABa	46.34	-0.13	0.36
LAB*LABb	25.00	0.01	0.0

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)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.0	0.0
LAB*LABa	18.02	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	0.0	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	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LABa	0.0	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	0.0	0.0	0.0

relative Natural Colour (NC)

||
||
||

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

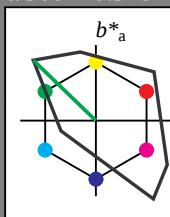
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

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)
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TCHa	99.99	0.01	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)	1.0	0.0	0.0	
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)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	71.57	0.0	0.0	
LAB*LABa	71.57	0.0	0.0	
LAB*TCHa	75.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*tch	0.75	0.75	0.75	(1.0)
lab*nch	0.25	0.25	0.25	(0.0)
relative Natural Colour (NC)	0.75	0.75	0.75	(1.0)
lab*trj	0.75	0.75	0.75	(1.0)
lab*tce	0.75	0.75	0.75	(1.0)
lab*nce	0.25	0.25	0.25	(0.0)

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(0.0)
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)
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*TCHa	50.00	0.01	0.0	

relative CIELAB lab*

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

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	23.87	0.0	0.0	
LAB*LABa	23.87	0.0	0.0	
LAB*TCHa	25.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.25	0.25	0.25	(0.0)
lab*tch	0.25	0.25	0.25	(0.0)
lab*nch	0.75	0.75	0.75	(1.0)
relative Natural Colour (NC)	0.25	0.25	0.25	(0.0)
lab*trj	0.25	0.25	0.25	(0.0)
lab*tce	0.25	0.25	0.25	(0.0)
lab*nce	0.75	0.75	0.75	(1.0)

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	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCHa	0.01	0.0	0.0	

relative CIELAB lab*

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

OE55-7, 5 step scales for constant CIELAB hue 136/360 = 0.378 (left)

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)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
LAB*LAB	89.51	-41.36	39.94	
LAB*LABa	89.51	-41.36	39.94	
LAB*TCHa	75.00	57.51	136.01	

relative CIELAB lab*

lab*lab	0.938	-0.359	0.347	
lab*tch	0.75	0.5	0.378	
lab*nch	0.0	0.5	0.378	
relative Natural Colour (NC)	0.938	-0.359	0.347	
lab*trj	0.938	-0.359	0.347	
lab*tce	0.75	0.5	0.378	
lab*nce	0.0	0.5	0.378	

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.25	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
LAB*LAB	65.67	-41.37	39.95	
LAB*LABa	65.67	-41.37	39.95	
LAB*TCHa	50.00	57.52	136.01	

relative CIELAB lab*

lab*lab	0.688	-0.359	0.347	
lab*tch	0.5	0.5	0.378	
lab*nch	0.0	0.5	0.378	
relative Natural Colour (NC)	0.688	-0.359	0.347	
lab*trj	0.688	-0.359	0.347	
lab*tce	0.5	0.5	0.378	
lab*nce	0.0	0.5	0.378	

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
LAB*LAB	41.82	-41.36	39.94	
LAB*LABa	41.82	-41.36	39.94	
LAB*TCHa	37.51	57.52	136.01	

relative CIELAB lab*

lab*lab	0.469	-0.359	0.347	
lab*tch	0.375	0.5	0.378	
lab*nch	0.0	0.5	0.378	
relative Natural Colour (NC)	0.469	-0.359	0.347	
lab*trj	0.469	-0.359	0.347	
lab*tce	0.375	0.5	0.378	
lab*nce	0.0	0.5	0.378	

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
LAB*LAB	0.03	-41.36	39.94	
LAB*LABa	0.03	-41.36	39.94	
LAB*TCHa	25.01	57.51	136.01	

relative CIELAB lab*

lab*lab	0.438	-0.359	0.347	
lab*tch	0.25	0.5	0.378	
lab*nch	0.0	0.5	0.378	
relative Natural Colour (NC)	0.438	-0.359	0.347	
lab*trj	0.438	-0.359	0.347	
lab*tce	0.25	0.5	0.378	
lab*nce	0.0	0.5	0.378	

$n^* = 0.50$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 1.25$

$n^* = 1.50$

$n^* = 1.75$

$n^* = 2.00$

$n^* = 2.25$

$n^* = 2.50$

$n^* = 2.75$

$n^* = 3.00$

$n^* = 3.25$

$n^* = 3.50$

$n^* = 3.75$

$n^* = 4.00$

$n^* = 4.25$

$n^* = 4.50$

$n^* = 4.75$

$n^* = 5.00$

$n^* = 5.25$

$n^* = 5.50$

$n^* = 5.75$

$n^* = 6.00$

$n^* = 6.25$

$n^* = 6.50$

$n^* = 6.75$

$n^* = 7.00$

$n^* = 7.25$

$n^* = 7.50$

$n^* = 7.75$

$n^* = 8.00$

$n^* = 8.25$

$n^* = 8.50$

$n^* = 8.75$

$n^* = 9.00$

$n^* = 9.25$

$n^* = 9.50$

$n^* = 9.75$

$n^* = 10.00$

$n^* = 10.25$

$n^* = 10.50$

$n^* = 10.75$

$n^* = 11.00$

$n^* = 11.25$

$n^* = 11.50$

$n^* = 11.75$

$n^* = 12.00$

$n^* = 12.25$

$n^* = 12.50$

$n^* = 12.75$

$n^* = 13.00$

$n^* = 13.25$

$n^* = 13.50$

$n^* = 13.75$

$n^* = 14.00$

$n^* = 14.25$

$n^* = 14.50$

$n^* = 14.75$

$n^* = 15.00$

$n^* = 15.25$

$n^* = 15.50$

$n^* = 15.75$

$n^* = 16.00$

$n^* = 16.25$

$n^* = 16.50$

$n^* = 16.75$

$n^* = 17.00$

$n^* = 17.25$

$n^* = 17.50$

$n^* = 17.75$

$n^* = 18.00$

$n^* = 18.25$

$n^* = 18.50$

$n^* = 18.75$

$n^* = 19.00$

$n^* = 19.25$

$n^* = 19.50$

$n^* = 19.75$

$n^* = 20.00$

$n^* = 20.25$

$n^* = 20.50$

$n^* = 20.75$

$n^* = 21.00$

$n^* = 21.25$

$n^* = 21.50$

$n^* = 21.75$

Input: Colorimetric Television Luminous System TLS00

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

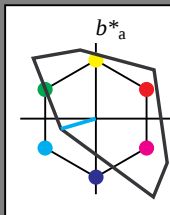
lab^*tch and lab^*nch

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
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)
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*TCHa 99.99 0.01

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 93.27 -11.53 -3.38
LAB*LABa 93.27 -11.53 -3.38
LAB*TCHa 97.5 12.03 196.37

relative Inform. Technology (IT)
olv3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 91.14 -23.07 -6.77
LAB*LABa 91.14 -23.07 -6.77
LAB*TCHa 75.0 24.06 196.37

relative Inform. Technology (IT)
olv3* 0.25 1.0 1.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olv4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 89.0 -34.61 -10.16
LAB*LABa 89.0 -34.61 -10.16
LAB*TCHa 62.5 36.09 196.37

relative Inform. Technology (IT)
olv3* 0.0 1.0 1.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 0.0 1.0 1.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 86.87 -46.15 -13.55
LAB*LABa 86.87 -46.15 -13.55
LAB*TCHa 50.0 48.11 196.37

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.0 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 86.87 -46.15 -13.55
LAB*LABa 86.87 -46.15 -13.55
LAB*TCHa 50.0 48.11 196.37

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*TCHa 75.0 0.01

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 69.43 -11.53 -3.38
LAB*LABa 69.43 -11.53 -3.38
LAB*TCHa 62.5 12.03 196.37

relative Inform. Technology (IT)
olv3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olv4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 67.29 -23.08 -6.77
LAB*LABa 67.29 -23.08 -6.77
LAB*TCHa 50.0 24.06 196.37

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olv4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 65.16 -34.61 -10.16
LAB*LABa 65.16 -34.61 -10.16
LAB*TCHa 37.51 36.09 196.37

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.75 (1.0)
cmyn3* 1.0 0.25 0.25 (0.0)
olv4* 0.0 0.75 0.75 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.19 -46.15 -13.55
LAB*LABa 63.19 -46.15 -13.55
LAB*TCHa 37.51 36.09 196.37

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.5 (0.0)
cmyn3* 0.75 0.5 0.5 (0.0)
olv4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 61.14 -46.15 -13.55
LAB*LABa 61.14 -46.15 -13.55
LAB*TCHa 37.51 36.09 196.37

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 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.0 0.01

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 45.56 -11.53 -3.38
LAB*LABa 45.56 -11.53 -3.38
LAB*TCHa 50.0 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olv4* 0.0 0.5 0.5 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 43.45 -23.07 -6.77
LAB*LABa 43.45 -23.07 -6.77
LAB*TCHa 25.01 24.06 196.37

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.25 0.25 (0.0)
olv4* 0.0 0.25 0.25 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 41.14 -46.15 -13.55
LAB*LABa 41.14 -46.15 -13.55
LAB*TCHa 25.01 24.06 196.37

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olv4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 39.92 -23.07 -6.77
LAB*LABa 39.92 -23.07 -6.77
LAB*TCHa 25.01 24.06 196.37

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 37.51 -46.15 -13.55
LAB*LABa 37.51 -46.15 -13.55
LAB*TCHa 25.01 24.06 196.37

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 35.29 -11.53 -3.38
LAB*LABa 35.29 -11.53 -3.38
LAB*TCHa 25.01 24.06 196.37

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 33.12 -23.07 -6.77
LAB*LABa 33.12 -23.07 -6.77
LAB*TCHa 25.01 24.06 196.37

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 31.14 -46.15 -13.55
LAB*LABa 31.14 -46.15 -13.55
LAB*TCHa 25.01 24.06 196.37

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olv4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 29.01 -23.07 -6.77
LAB*LABa 29.01 -23.07 -6.77
LAB*TCHa 25.01 24.06 196.37

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 26.92 -46.15 -13.55
LAB*LABa 26.92 -46.15 -13.55
LAB*TCHa 25.01 24.06 196.37

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 24.81 -11.53 -3.38
LAB*LABa 24.81 -11.53 -3.38
LAB*TCHa 25.01 24.06 196.37

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 22.72 -23.07 -6.77
LAB*LABa 22.72 -23.07 -6.77
LAB*TCHa 25.01 24.06 196.37

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 20.69 -46.15 -13.55
LAB*LABa 20.69 -46.15 -13.55
LAB*TCHa 25.01 24.06 196.37

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 18.62 -11.53 -3.38
LAB*LABa 18.62 -11.53 -3.38
LAB*TCHa 25.01 24.06 196.37

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.53 -23.07 -6.77
LAB*LABa 16.53 -23.07 -6.77
LAB*TCHa 25.01 24.06 196.37

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 14.44 -46.15 -13.55
LAB*LABa 14.44 -46.15 -13.55
LAB*TCHa 25.01 24.06 196.37

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 12.35 -23.07 -6.77
LAB*LABa 12.35 -23.07 -6.77
LAB*TCHa 25.01 24.06 196.37

OE55-7, 5 step scales for constant CIELAB hue 196/360 = 0.545 (left)

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

BAM-test chart OE55; Colorimetric systems TLS00 & ORS18

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

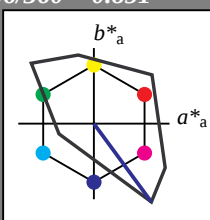
input: $cmY0^* setcmykcolor$

output: no change compared to input

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^*



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*	0.75	0.75	0.75	1.0	1.0
olv4*	0.75	0.75	0.75	1.0	1.0
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	0.75	0.75	1.0	1.0
olv4*	0.75	0.75	0.75	1.0	1.0
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

Figure 1

See for similar files: <http://www.ps.bam.de/OE55/>
Technical information: <http://www.ps.bam.de> Version 2.1, io=0.0

Page count: 8

www.ps.bam.de/OE55/10S/S55E07NP.PS/.PDF; start output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

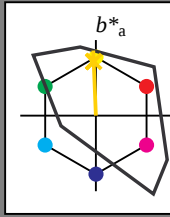
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 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

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

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

1.00

0.75

$n^* = 0.00$

0.25

0.00

1.00

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

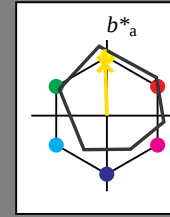
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
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	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1.00

0.75

$n^* = 0.00$

0.25

0.00

1.00

chromaticness c^*

OE55-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

BAM-test chart OE55; Colorimetric systems TLS00 & ORS18

input: $cmY0^* setcmykcolor$

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

output: no change compared to input

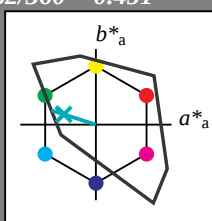
BAM registration: 20060101-OE55/10S/S55E07NP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
/OE55/ Form 8/10, Serie: 1/1, Page: 8

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 162/360 = 0.451$
 lab^*ch 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*	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)
cmyn3*	0.0	0.0	0.0	(0.0)
cmyn3*	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	99.99	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
olv3*	0.25	0.0	0.087	(0.0)
olv4*	0.75	1.0	0.913	(1.0)
olv4*	0.25	0.0	0.087	(0.0)
cmyn3*	0.25	0.0	0.087	(0.0)
cmyn3*	0.25	0.0	0.087	(0.0)
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	87.5	15.44	162.24	

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)
cmyn3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	75.0	0.01	0.0	

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)
cmyn3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	75.0	0.01	0.0	

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)
cmyn3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	75.0	0.01	0.0	

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)
cmyn3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	75.0	0.01	0.0	

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)
cmyn3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	75.0	0.01	0.0	

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)
cmyn3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	75.0	0.01	0.0	

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)
cmyn3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	75.0	0.01	0.0	

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)
cmyn3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	75.0	0.01	0.0	

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)
cmyn3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	75.0	0.01	0.0	

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
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*	0.5	1.0	0.826	(1.0)
olv3*	0.25	0.0	0.174	(0.0)
olv4*	0.5	1.0	0.826	(1.0)
olv4*	0.25	0.0	0.174	(0.0)
cmyn3*	0.0	0.0	0.174	(0.0)
cmyn3*	0.0	0.0	0.174	(0.0)
LAB*LAB	90.57	-29.42	9.43	
LAB*LAB	90.57	-29.42	9.43	
LAB*LAB	75.0	30.9	162.23	

relative Inform. Technology (IT)

olv3*	0.5	1.0	0.826	(1.0)
olv3*	0.25	0.0	0.174	(0.0)
olv4*	0.5	1.0	0.826	(1.0)
olv4*	0.25	0.0	0.174	(0.0)
cmyn3*	0.0	0.0	0.174	(0.0)
cmyn3*	0.0	0.0	0.174	(0.0)
LAB*LAB	90.57	-29.42	9.43	
LAB*LAB	90.57	-29.42	9.43	
LAB*LAB	75.0	30.9	162.23	

relative Inform. Technology (IT)

olv3*	0.5	1.0	0.826	(1.0)
olv3*	0.25	0.0	0.174	(0.0)
olv4*	0.5	1.0	0.826	(1.0)
olv4*	0.25	0.0	0.174	(0.0)
cmyn3*	0.0	0.0	0.174	(0.0)
cmyn3*	0.0	0.0	0.174	(0.0)
LAB*LAB	90.57	-29.42	9.43	
LAB*LAB	90.57	-29.42	9.43	
LAB*LAB	75.0	30.9	162.23	

relative Inform. Technology (IT)

olv3*	0.5	1.0	0.826	(1.0)
olv3*	0.25	0.0	0.174	(0.0)
olv4*	0.5	1.0	0.826	(1.0)
olv4*	0.25	0.0	0.174	(0.0)
cmyn3*	0.0	0.0	0.174	(0.0)
cmyn3*	0.0	0.0	0.174	(0.0)
LAB*LAB	90.57	-29.42	9.43	
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olv4*	0.5	1.0	0.826	(1.0)
olv4*	0.25	0.0	0.174	(0.0)
cmyn3*	0.0	0.0	0.174	(0.0)
cmyn3*	0.0	0.0	0.174	(0.0)
LAB*LAB	90.57	-29.42	9.43	
LAB*LAB	90.57	-29.42	9.43	
LAB*LAB	75.0	30.9	162.23	

relative Inform. Technology (IT)

olv3*	0.5	1.0	0.826	(1.0)
olv3*	0.25	0.0	0.174	(0.0)
olv4*	0.5	1.0	0.826	(1.0)
olv4*	0.25	0.0	0.174	(0.0)
cmyn3*	0.0	0.0	0.174	(0.0)
cmyn3*	0.0	0.0	0.174	(0.0)
LAB*LAB	90.57	-29.42	9.43	
LAB*LAB	90.57	-29.42	9.43	
LAB*LAB	75.0	30.9	162.23	

relative Inform. Technology (IT)

olv3*	0.5	1.0	0.826	(1.0)
olv3*	0.25	0.0	0.174	(0.0)
olv4*	0.5	1.0	0.826	(1.0)
olv4*	0.25	0.0	0.174	(0.0)
cmyn3*	0.0	0.0	0.174	(0.0)
cmyn3*	0.0	0.0	0.174	(0.0)
LAB*LAB	90.57	-29.42	9.43	
LAB*LAB	90.57	-29.42	9.43	
LAB*LAB	75.0	30.9	162.23	

relative Inform. Technology (IT)

olv3*	0.5	1.0	0.826	(1.0)
olv3*	0.25	0.0	0.174	(0.0)
olv4*	0.5	1.0	0.826	(1.0)
olv4*	0.25	0.0	0.174	(0.0)
cmyn3*	0.0	0.0	0.174	(0.0)
cmyn3*	0.0	0.0	0.174	(0.0)
LAB*LAB	90.57	-29.42	9.43	
LAB*LAB	90.57	-29.42	9.43	
LAB*LAB	75.0	30.9	162.23	

relative Inform. Technology (IT)

olv3*	0.5	1.0	0.826	(1.0)
olv3*	0.25	0.0	0.174	(0.0)
olv4*	0.5	1.0	0.826	(1.0)
olv4*	0.25	0.0	0.174	(0.0)
cmyn3*	0.0	0.0	0.174	(0.0)
cmyn3*	0.0	0.0	0.174	(0.0)
LAB*LAB	90.57	-29.42	9.43	
LAB*LAB	90.57	-29.42	9.43	
LAB*LAB	75.0	30.9	162.23	

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

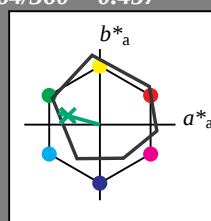
$n^* = 1.0$

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$
 lab^*ch and lab^*nch

D65: hue G
LCH*Ma: 53 57 164
olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



$u^*_{rel} = 93$

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)
cmyn3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
LAB*LAB	95.41	-0.98	4.75	
LAB*LAB	95.41	-0.98	4.75	
LAB*LAB	99.99	0.01	0.0	

relative Inform. Technology (IT)				
olv3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	1.0
cmyn4*	0.25	0.0	0.188	0.0
standard and adapted CIELAB				
LAB*LAB	84.75	-14.48	7.85	
LAB*LABa	84.75	-13.69	3.81	

See for similar files: <http://www.ps.bam.de/OE55/>
Technical information: <http://www.ps.bam.de> Version 2.1, io=0.0

Page count: 10

www.ps.bam.de/OE55/10S/S55E09NP.PS/.PDF; start output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

BAM registration: 20060101-OE55/10S/S55E09NP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems
/OE55/ Form 10/10/Scene: 1/1, Page: 10

Input: Colorimetric Television Luminous System TLS00

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

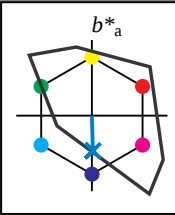
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 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
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)
cmyn3*	0.0	0.0	0.0	(0.0)
cmyn3*	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*	0.75	0.903	1.0	(1.0)
olv3*	0.25	0.097	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
cmyn3*	0.25	0.097	0.0	(0.0)
cmyn3*	0.0	0.25	0.75	(0.75)
LAB*LAB	87.77	0.36	-12.14	
LAB*LAB	87.77	0.36	-12.14	
LAB*LAB	87.77	0.36	-12.14	
LAB*LAB	87.77	0.36	-12.14	

relative Inform. Technology (IT)

olv3*	0.5	0.805	1.0	(1.0)
olv3*	0.5	0.195	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
cmyn3*	0.5	0.195	0.0	(0.0)
cmyn3*	0.0	0.5	0.5	(0.5)
LAB*LAB	80.13	0.73	-24.31	
LAB*LAB	80.13	0.73	-24.31	
LAB*LAB	80.13	0.73	-24.31	
LAB*LAB	80.13	0.73	-24.31	

relative Inform. Technology (IT)

olv3*	0.25	0.708	1.0	(1.0)
olv3*	0.25	0.292	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
cmyn3*	0.25	0.708	1.0	(1.0)
cmyn3*	0.25	0.292	0.0	(0.0)
LAB*LAB	72.49	1.1	-36.47	
LAB*LAB	72.49	1.1	-36.47	
LAB*LAB	72.49	1.1	-36.47	
LAB*LAB	72.49	1.1	-36.47	

relative Inform. Technology (IT)

olv3*	0.0	0.61	1.0	(1.0)
olv3*	0.0	0.39	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.61	1.0	(1.0)
cmyn3*	0.0	0.39	0.0	(0.0)
LAB*LAB	64.86	1.47	-48.64	
LAB*LAB	64.86	1.47	-48.64	
LAB*LAB	64.86	1.47	-48.64	
LAB*LAB	64.86	1.47	-48.64	

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(0.0)
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)
cmyn3*	0.5	0.5	0.5	(0.0)
cmyn3*	0.5	0.5	0.5	(0.0)
LAB*LAB	56.71	0.24	2.14	
LAB*LAB	56.71	0.24	2.14	
LAB*LAB	56.71	0.24	2.14	
LAB*LAB	56.71	0.24	2.14	

relative Inform. Technology (IT)

olv3*	0.25	0.772	1.0	(1.0)
olv3*	0.25	0.228	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
cmyn3*	0.25	0.772	1.0	(1.0)
cmyn3*	0.25	0.228	0.0	(0.0)
LAB*LAB	62.65	-0.07	-8.62	
LAB*LAB	62.65	-0.07	-8.62	
LAB*LAB	62.65	-0.07	-8.62	
LAB*LAB	62.65	-0.07	-8.62	

relative Inform. Technology (IT)

olv3*	0.5	0.622	0.75	(1.0)
olv3*	0.5	0.378	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
cmyn3*	0.5	0.622	0.75	(1.0)
cmyn3*	0.5	0.378	0.25	(0.0)
LAB*LAB	62.65	-0.07	-8.62	
LAB*LAB	62.65	-0.07	-8.62	
LAB*LAB	62.65	-0.07	-8.62	
LAB*LAB	62.65	-0.07	-8.62	

relative Inform. Technology (IT)

olv3*	0.25	0.484	0.75	(1.0)
olv3*	0.25	0.516	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
cmyn3*	0.25	0.484	0.75	(1.0)
cmyn3*	0.25	0.516	0.25	(0.0)
LAB*LAB	49.25	0.45	-20.7	
LAB*LAB	49.25	0.45	-20.7	
LAB*LAB	49.25	0.45	-20.7	
LAB*LAB	49.25	0.45	-20.7	

relative Inform. Technology (IT)

olv3*	0.0	0.366	0.75	(1.0)
olv3*	0.0	0.634	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.366	0.75	(1.0)
cmyn3*	0.0	0.634	0.25	(0.0)
LAB*LAB	49.25	0.45	-20.7	
LAB*LAB	49.25	0.45	-20.7	
LAB*LAB	49.25	0.45	-20.7	
LAB*LAB	49.25	0.45	-20.7	

relative Inform. Technology (IT)

olv3*	0.0	0.366	0.75	(1.0)
olv3*	0.0	0.634	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.366	0.75	(1.0)
cmyn3*	0.0	0.634	0.25	(0.0)
LAB*LAB	49.25	0.45	-20.7	
LAB*LAB	49.25	0.45	-20.7	
LAB*LAB	49.25	0.45	-20.7	
LAB*LAB	49.25	0.45	-20.7	

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)
cmyn3*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.0	0.0	(0.0)
LAB*LAB	47.72	0.0	0.0	
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 Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(0.0)
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)
cmyn3*	0.5	0.5	0.5	(0.0)
cmyn3*	0.5	0.5	0.5	(0.0)
LAB*LAB	47.72	0.0	0.0	
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 Inform. Technology (IT)

olv3*	0.25	0.403	0.5	(1.0)
olv3*	0.75	0.597	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
cmyn3*	0.25	0.403	0.5	(1.0)
cmyn3*	0.75	0.597	0.5	(0.0)
LAB*LAB	40.07	0.37	-12.15	
LAB*LAB	40.07	0.37	-12.15	
LAB*LAB	40.07	0.37	-12.15	
LAB*LAB	40.07	0.37	-12.15	

relative Inform. Technology (IT)

olv3*	0.0	0.305	0.5	(1.0)
olv3*	0.0	0.695	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.305	0.5	(1.0)
cmyn3*	0.0	0.695	0.5	(0.0)
LAB*LAB	32.44	0.74	-34.32	
LAB*LAB	32.44	0.74	-34.32	
LAB*LAB	32.44	0.74	-34.32	
LAB*LAB	32.44	0.74	-34.32	

relative Inform. Technology (IT)

olv3*	0.51	0.023	-0.749	
olv3*	0.375	0.75	0.75	
olv4*	1.0	1.0	1.0	
olv4*	0.0	0.0	0.0	
cmyn3*	0.51	0.023	-0.749	
cmyn3*	0.375	0.75	0.75	
LAB*LAB	37.51	36.51	271.75	
LAB*LAB	37.51	36.51	271.75	
LAB*LAB	37.51	36.51	271.75	
LAB*LAB	37.51	36.51	271.75	

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)
cmyn3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
LAB*LAB	37.36	0.0	0.0	
LAB*LAB	37.36	0.0	0.0	
LAB*LAB	37.36	0.0	0.0	
LAB*LAB	37.36	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.327	0.006	-0.249
olv3*	0.375	0.25	0.75	
olv4*	1.0	1.0	1.0	
olv4*	0.0	0.0	0.0	
cmyn3*	0.0	0.327	0.006	-0.249
cmyn3*	0.375	0.25	0.75	
LAB*LAB	29.9	0.13	11.23	
LAB*LAB	29.9	0.13	11.23	
LAB*LAB	29.9	0.13	11.23	
LAB*LAB	29.9	0.13	11.23	

relative Inform. Technology (IT)

olv3*	0.0	0.244	0.5	(1.0)
olv3*	0.0	0.756	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.244	0.5	(1.0)
cmyn3*	0.0	0.756	0.5	(0.0)
LAB*LAB	29.9	0.13	11.23	
LAB*LAB	29.9	0.13	11.23	
LAB*LAB	29.9	0.13	11.23	
LAB*LAB	29.9	0.13	11.23	

relative Inform. Technology (IT)

olv3*	0.0	0.244	0.5	(1.0)
olv3*	0.0	0.756	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.244	0.5	(1.0)
cmyn3*	0.0	0.756	0.5	(0.0)
LAB*LAB	29.9	0.13	11.23	
LAB*LAB	29.9	0.13	11.23	
LAB*LAB	29.9	0.13	11.23	
LAB*LAB	29.9	0.13	11.23	

relative Inform. Technology (IT)

olv3*	0.0	0.244	0.5	(1.0)
olv3*	0.0	0.756	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
cmyn3*	0.0	0.244	0.5	(1.0)
cmyn3*	0.0	0.756	0.5	(0.0)
LAB*LAB	29.9	0.13	11.23	
LAB*LAB	29.9	0.13	11.23	
LAB*LAB	29.9	0.13	11.23	
LAB*LAB	29.9	0.13	11.23	

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