

Input: Colorimetric Television Luminous System TLS00

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

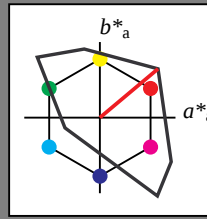
lab^*tch and lab^*nch

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)
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)

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)

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)

standard and adapted CIELAB

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 CIELAB lab*

lab*lab	0.882	0.191	0.161
lab*tch	0.875	0.25	0.111
lab*nch	0.0	0.25	0.111

relative Natural Colour (NC)

lab*trj	0.882	0.235	0.084
lab*tce	0.875	0.25	0.054
lab*nce	0.0	0.25	0.121

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)

standard and adapted CIELAB

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 CIELAB lab*

lab*lab	0.765	0.383	0.321
lab*tch	0.75	0.5	0.111
lab*nch	0.0	0.5	0.111

relative Natural Colour (NC)

lab*trj	0.765	0.471	0.167
lab*tce	0.75	0.5	0.054
lab*nce	0.0	0.5	0.121

relative Inform. Technology (IT)

olv3*	1.0	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)

standard and adapted CIELAB

LAB*LAB	61.72	57.68	48.41
LAB*LABa	61.72	57.68	48.41
LAB*LABb	62.5	75.3	40.0

relative CIELAB lab*

lab*lab	0.647	0.574	0.482
lab*tch	0.625	0.75	0.111
lab*nch	0.0	0.75	0.111

relative Natural Colour (NC)

lab*trj	0.647	0.707	0.251
lab*tce	0.625	0.75	0.054
lab*nce	0.0	0.75	0.121

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)

standard and adapted CIELAB

LAB*LAB	50.5	76.9	64.54
LAB*LABa	50.5	76.9	64.54
LAB*LABb	50.0	100.4	40.0

relative CIELAB lab*

lab*lab	0.529	0.766	0.643
lab*tch	0.5	1.0	0.111
lab*nch	0.0	1.0	0.111

relative Natural Colour (NC)

lab*trj	0.529	0.942	0.335
lab*tce	0.5	1.0	0.121
lab*nce	0.0	1.0	0.121

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

$n^* = 1.0$

chromaticness c^*

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
cmv3*	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	25.26	38.45	32.27
LAB*LABa	25.26	38.45	32.27
LAB*LABb	25.0	50.2	40.0

relative CIELAB lab*

lab*lab	0.382	0.192	0.161
lab*tch	0.375	0.25	0.111
lab*nch	0.0	0.25	0.111

relative Natural Colour (NC)

lab*trj	0.382	0.236	0.084
lab*tce	0.375	0.25	0.054
lab*nce	0.0	0.25	0.121

relative Inform. Technology (IT)

olv3*	0.5	0.0	0.0	(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)

standard and adapted CIELAB

LAB*LAB	36.48	19.23	16.14
LAB*LABa	36.48	19.23	16.14
LAB*LABb	37.5	25.1	40.0

relative CIELAB lab*

lab*lab	0.515	0.471	0.167
lab*tch	0.5	0.75	0.111
lab*nch	0.0	0.75	0.111

relative Natural Colour (NC)

lab*trj	0.515	0.471	0.167
lab*tce	0.5	0.75	0.054
lab*nce	0.0	0.75	0.121

relative Inform. Technology (IT)

olv3*	0.75	0.0	0.0	(1.0)
cmv3*	0.25	0.75	0.75	(0.0)
olv4*	1.0	0.25	0.25	(1.0)
cmv4*	0.0	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	49.11	38.46	32.28
LAB*LABa	49.11	38.46	32.28
LAB*LABb	50.0	50.2	40.0

relative CIELAB lab*

lab*lab	0.647	0.574	0.482
lab*tch	0.625	0.75	0.111
lab*nch	0.0	0.75	0.111

relative Natural Colour (NC)

lab*trj	0.647	0.707	0.251
lab*tce	0.625	0.75	0.054
lab*nce	0.0	0.75	0.121

relative Inform. Technology (IT)

olv3*	0.75	0.0	0.0	(1.0)
cmv3*	0.25	0.75	0.75	(0.0)
olv4*	1.0	0.25	0.25	(1.0)
cmv4*	0.0	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	50.5	76.9	64.54
LAB*LABa	50.5	76.9	64.54
LAB*LABb	50.0	100.4	40.0

relative CIELAB lab*

lab*lab	0.529	0.766	0.643
lab*tch	0.5	1.0	0.111
lab*nch	0.0	1.0	0.111

relative Natural Colour (NC)

lab*trj	0.529	0.942	0.335
lab*tce	0.5	1.0	0.121
lab*nce	0.0	1.0	0.121

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

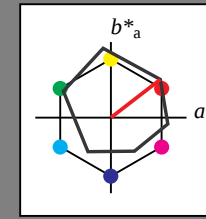
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



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

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

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

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)

standard and adapted CIELAB

LAB*LAB	95.41	-0.98	4.75
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)

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)

standard and adapted CIELAB

LAB*LAB	83.54	15.58	16.58
LAB*LABa	83.54	16.34	12.62
LAB*LABb	87.5	20.65	37.69

relative CIELAB lab*

lab*lab	0.847	0.198	0.153
lab*tch	0.875	0.25	0.105
lab*nch	0.0	0.25	0.105

relative Natural Colour (NC)

lab*trj	0.847	0.238	0.075
lab*tce	0.875	0.25	0.048
lab*nce	0.0	0.25	0.119

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	0.75	0.75	(1.0)
cmv4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	64.19	15.96	15.28
LAB*LABa	64.19	16.35	12.63
LAB*LABb	62.5	20.66	37.69

relative CIELAB lab*

lab*lab	0.537	0.198	0.153
lab*tch	0.525	0.25	0.105
lab*nch	0.0	0.25	0.105

relative Natural Colour (NC)

lab*trj	0.527	0.239	0.075
lab*tce	0.525	0.25	0.048
lab*nce	0.0	0.25	0.119

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	0.25	0.25	(1.0)
cmv4*	0.0	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	32.33	32.53	27.11
LAB*LABa	32.33	32.69	25.26
LAB*LABb	30.0	41.31	37.69

relative CIELAB lab*

lab*lab	0.54	0.593	0.458
lab*tch	0.54	0.75	0.105
lab*nch	0.0	0.75	0.105

relative Natural Colour (NC)

lab*trj	0.54	0.716	0.224
lab*tce	0.54	0.75	0.048
lab*nce	0.0	0.75	0.119

relative Inform. Technology (IT)

olv3*	0.75	0.0	0.0	(1.0)
cmv3*	0.25	0.75	0.75	(0.0)
olv4*	1.0	0.25	0.25	(1.0)
cmv4*	0.0	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LABa	47.94	65.37	50.51
LAB*LABb	50.0	82.61	37.69

relative CIELAB lab*

lab*lab	0.387	0.791	0.611
lab*tch	0.387	0.75	0.105
lab*nch	0.0	0.75	0.105

relative Natural Colour (NC)

lab*trj	0.387	0.954	0.299
lab*tce	0.387	0.75	0.048
lab*nce	0.0	0.75	0.119

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/OE55/10Q/Q55E01NP.PS/.PDF; start output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

BAM registration: 20060101-OE55/10Q/Q55E01NP.PS/.PDF
BAM material: code=rhda4ta
application for evaluation and measurement of printer or monitor systems
/OE55/ Form 2/10, Serie: 1/1, Page: 2

Input: Colorimetric Television Luminous System TLS00

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

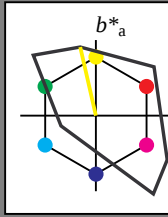
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



% 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*Lab	95.41	0.0	0.0	
LAB*Lab	99.99	0.01	0.0	

standard and adapted CIELAB

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 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	
lab*trj	0.0	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)
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*Lab	71.57	0.0	0.0	
LAB*Lab	75.00	0.01	0.0	

standard and adapted CIELAB

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

olv3*	0.25	0.25	0.25	(1.0)
cmv3*	0.75	0.75	0.75	(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*Lab	47.72	0.0	0.0	
LAB*Lab	50.00	0.01	0.0	

standard and adapted CIELAB

LAB*Lab	47.72	0.0	0.0	
LAB*Lab	47.72	0.0	0.0	
LAB*Lab	50.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.25	0.25	0.25	(1.0)
lab*tch	0.25	0.25	0.25	(1.0)
lab*nch	0.75	0.75	0.75	(0.0)
lab*trj	0.25	0.25	0.25	(1.0)
lab*tce	0.25	0.25	0.25	(1.0)
lab*nce	0.75	0.75	0.75	(0.0)

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
cmv3*	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	23.87	0.0	0.0	
LAB*Lab	23.87	0.0	0.0	
LAB*Lab	25.00	0.01	0.0	

standard and adapted CIELAB

LAB*Lab	23.87	0.0	0.0	
LAB*Lab	23.87	0.0	0.0	
LAB*Lab	25.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.25	0.25	0.25	(1.0)
lab*tch	0.25	0.25	0.25	(1.0)
lab*nch	0.75	0.75	0.75	(0.0)
lab*trj	0.25	0.25	0.25	(1.0)
lab*tce	0.25	0.25	0.25	(1.0)
lab*nce	0.75	0.75	0.75	(0.0)

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmv3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	0.03	0.0	0.0	
LAB*Lab	0.03	0.0	0.0	
LAB*Lab	0.01	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	0.01	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*tch	0.0	0.0	0.0	
lab*nch	1.0	0.0	0.0	
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	1.0	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
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	0.5	(1.0)
cmv3*	0.0	0.0	0.5	(0.0)
olv4*	1.0	1.0	0.5	(1.0)
cmv4*	0.0	0.0	0.5	(0.0)
LAB*Lab	94.03	-10.34	45.37	
LAB*Lab	94.03	-10.34	45.37	
LAB*Lab	75.0	46.53	102.85	

standard and adapted CIELAB

LAB*Lab	94.03	-10.34	45.37	
LAB*Lab	94.03	-10.34	45.37	
LAB*Lab	75.0	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	
lab*trj	0.985	-0.11	0.487	
lab*tce	0.985	-0.11	0.487	
lab*nce	0.0	0.5	0.286	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.0	(1.0)
cmv3*	0.25	0.25	0.75	(0.0)
olv4*	1.0	1.0	0.5	(1.0)
cmv4*	0.0	0.0	0.5	(0.0)
LAB*Lab	70.19	-10.34	45.38	
LAB*Lab	70.19	-10.34	45.38	
LAB*Lab	50.0	46.54	102.85	

standard and adapted CIELAB

LAB*Lab	70.19	-10.34	45.38	
LAB*Lab	70.19	-10.34	45.38	
LAB*Lab	50.0	46.54	102.85	

relative CIELAB lab*

lab*lab	0.736	-0.116	0.486	
lab*tch	0.736	-0.116	0.486	
lab*nch	0.0	0.5	0.286	
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)

olv3*	0.5	0.5	0.0	(1.0)
cmv3*	0.5	0.5	0.0	(0.0)
olv4*	1.0	1.0	0.5	(1.0)
cmv4*	0.0	0.0	0.5	(0.0)
LAB*Lab	46.34	-10.34	45.37	
LAB*Lab	46.34	-10.34	45.37	
LAB*Lab	25.01	46.53	102.85	

standard and adapted CIELAB

LAB*Lab	46.34	-10.34	45.37	
LAB*Lab	46.34	-10.34	45.37	
LAB*Lab	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	
lab*trj	0.486	-0.11	0.487	
lab*tce	0.486	-0.11	0.487	
lab*nce	0.0	0.5	0.286	

1.00

0.75

$n^* = 0.00$

0.25

$n^* = 0.25$

$n^* = 0.50$

0.25

0.50

0.75

1.00

chromaticness c^*

OE55-7, 5 step scales for constant CIELAB hue 103/360 = 0.286 (left)

BAM-test chart OE55; Colorimetric systems TLS00 & ORS18

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

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$

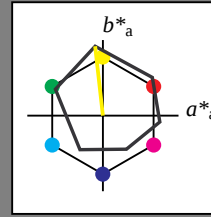
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

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	-0.98	4.75	
LAB*Lab	95.41	-0.98	4.75	
LAB*Lab	99.99	0.01	0.0	

standard and adapted CIELAB

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 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	
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)
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	76.06	-0.61	3.44	
LAB*Lab	76.06	-0.61	3.44	
LAB*Lab	75.0	0.0	0.0	

standard and adapted CIELAB

LAB*Lab	76.06	-0.61	3.44	
LAB*Lab	76.06	-0.61	3.44	
LAB*Lab	75.0	0.0	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)
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)

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	56.71	0.24	2.14	
LAB*Lab	56.71	0.24	2.14	
LAB*Lab	50.0	0.0	0.0	

standard and adapted CIELAB

LAB*Lab	56.71	0.24	2.14	
LAB*Lab	56.71	0.24	2.14	
LAB*Lab	50.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.5	0.5	0.5	(1.0)
lab*tch	0.5	0.5	0.5	(1.0)
lab*nch	0.5	0.5	0.5	(0.0)
lab*trj	0.5	0.5	0.5	(1.0)
lab*tce	0.5	0.5	0.5	(1.0)
lab*nce	0.5	0.5	0.5	(0.0)

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
cmv3*	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	23.87	0.13	1.36	
LAB*Lab	23.87	0.13	1.36	
LAB*Lab	25.0	0.0	0.0	

Input: Colorimetric Television Luminous System TLS00

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

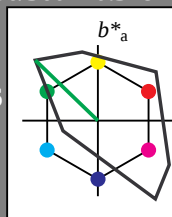
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

ol v^* Ma: 0.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

ol v^*	0.0	1.0	1.0	(1.0)
ol v^*	0.0	0.0	0.0	(0.0)
ol v^*	1.0	1.0	1.0	1.0
ol v^*	0.0	0.0	0.0	0.0
ol v^*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LAB	95.41	0.0	0.0
LAB*LAB	95.41	0.0	0.0
LAB*LAB	95.41	0.0	0.0

relative CIELAB lab*

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

relative Natural Colour (NC)

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

relative Inform. Technology (IT)

ol v^*	0.75	0.75	0.75	(1.0)
ol v^*	0.25	0.25	0.25	(0.0)
ol v^*	1.0	1.0	1.0	1.0
ol v^*	0.0	0.0	0.0	0.0
ol v^*	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
LAB*LAB	71.57	0.0	0.0

relative CIELAB lab*

lab*lab	0.969	-0.179	0.174
lab*lab	0.875	0.25	0.378
lab*lab	0.875	0.25	0.378
lab*lab	0.875	0.25	0.378

relative Natural Colour (NC)

lab*lab	0.969	-0.179	0.174
lab*lab	0.875	0.25	0.378
lab*lab	0.875	0.25	0.378
lab*lab	0.875	0.25	0.378

relative Inform. Technology (IT)

ol v^*	0.75	0.75	0.75	(1.0)
ol v^*	0.25	0.25	0.25	(0.0)
ol v^*	1.0	1.0	1.0	1.0
ol v^*	0.0	0.0	0.0	0.0
ol v^*	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
LAB*LAB	47.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.719	-0.207	0.139
lab*lab	0.625	0.25	0.406
lab*lab	0.625	0.25	0.406
lab*lab	0.625	0.25	0.406

relative Natural Colour (NC)

lab*lab	0.719	-0.207	0.139
lab*lab	0.625	0.25	0.406
lab*lab	0.625	0.25	0.406
lab*lab	0.625	0.25	0.406

relative Inform. Technology (IT)

ol v^*	0.25	0.25	0.25	(1.0)
ol v^*	0.75	0.75	0.75	(0.0)
ol v^*	1.0	1.0	1.0	1.0
ol v^*	0.0	0.0	0.0	0.0
ol v^*	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
LAB*LAB	47.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.625	0.25	0.406
lab*lab	0.625	0.25	0.406
lab*lab	0.625	0.25	0.406
lab*lab	0.625	0.25	0.406

relative Natural Colour (NC)

lab*lab	0.625	0.25	0.406
lab*lab	0.625	0.25	0.406
lab*lab	0.625	0.25	0.406
lab*lab	0.625	0.25	0.406

relative Inform. Technology (IT)

ol v^*	0.25	0.25	0.25	(1.0)
ol v^*	0.75	0.75	0.75	(0.0)
ol v^*	1.0	1.0	1.0	1.0
ol v^*	0.0	0.0	0.0	0.0
ol v^*	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
LAB*LAB	47.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139

relative Natural Colour (NC)

lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139

relative Inform. Technology (IT)

ol v^*	0.25	0.25	0.25	(1.0)
ol v^*	0.75	0.75	0.75	(0.0)
ol v^*	1.0	1.0	1.0	1.0
ol v^*	0.0	0.0	0.0	0.0
ol v^*	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
LAB*LAB	47.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139

relative Natural Colour (NC)

lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139

relative Inform. Technology (IT)

ol v^*	0.25	0.25	0.25	(1.0)
ol v^*	0.75	0.75	0.75	(0.0)
ol v^*	1.0	1.0	1.0	1.0
ol v^*	0.0	0.0	0.0	0.0
ol v^*	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
LAB*LAB	47.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139

relative Natural Colour (NC)

lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139

relative Inform. Technology (IT)

ol v^*	0.25	0.25	0.25	(1.0)
ol v^*	0.75	0.75	0.75	(0.0)
ol v^*	1.0	1.0	1.0	1.0
ol v^*	0.0	0.0	0.0	0.0
ol v^*	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
LAB*LAB	47.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139

relative Natural Colour (NC)

lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139

relative Inform. Technology (IT)

ol v^*	0.25	0.25	0.25	(1.0)
ol v^*	0.75	0.75	0.75	(0.0)
ol v^*	1.0	1.0	1.0	1.0
ol v^*	0.0	0.0	0.0	0.0
ol v^*	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
LAB*LAB	47.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139

relative Natural Colour (NC)

lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139

relative Inform. Technology (IT)

ol v^*	0.25	0.25	0.25	(1.0)
ol v^*	0.75	0.75	0.75	(0.0)
ol v^*	1.0	1.0	1.0	1.0
ol v^*	0.0	0.0	0.0	0.0
ol v^*	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
LAB*LAB	47.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139

relative Natural Colour (NC)

lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139
lab*lab	0.469	-0.207	0.139

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	50.5	76.92	64.55	100.42	40
YMa	92.66	-20.69	90.75	93.08	103
LMa	83.63	-82.75	79.9	115.04	136
CMa	86.88	-46.16	-13.55	48.12	196
VMa	30.39	76.06	-103.59	128.52	306
MMa	57.3	94.35	-58.41	110.97	328
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

relative Inform. Technology (IT)

ol v^*	0.5	1.0	0.5	(1.0)
ol v^*	0.5	0.5	0.5	(0.0)
ol v^*	1.0	1.0	1.0	1.0
ol v^*	0.0	0.0	0.0	0.0
ol v^*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	89.51	-41.36	39.94
LAB*LAB	89.51	-41.36	39.94
LAB*LAB	89.51	-41.36	39.94
LAB*LAB	89.51	-41.36	39.94

relative CIELAB lab*

lab*lab	0.938	-0.359	0.347
lab*lab	0.75	0.5	0.378
lab*lab	0.75	0.5	0.378
lab*lab	0.75	0.5	0.378

relative Natural Colour (NC)

lab*lab	0.938	-0.359	0.347
lab*lab	0.75	0.5	0.378
lab*lab	0.75	0.5	0.378
lab*lab	0.75	0.5	0.378

relative Inform. Technology (IT)

ol v^*	0.5	1.0	0.5	(1.0)
ol v^*	0.5	0.5	0.5	(0.0)
ol v^*	1.0	1.0	1.0	1.0
ol v^*	0.0	0.0	0.0	0.0
ol v^*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	86.57	-62.05	59.92
LAB*LAB	86.57	-62.05	59.92
LAB*LAB	86.57	-62.05	59.92
LAB*LAB	86.57	-62.05	59.92

relative CIELAB lab*

lab*lab	0.907	-0.538	0.521
lab*lab	0.625	0.75	0.378
lab*lab	0.625	0.75	0.378
lab*lab	0.625	0.75	0.378

relative Natural Colour (NC)

lab*lab	0.907	-0.538	0.521
lab*lab	0.625	0.75	0.378
lab*lab	0.625	0.75	0.378
lab*lab	0.625	0.75	0.378

relative Inform. Technology (IT)

ol v^*	0.5	1.0	0.5	(1.0)
ol v^*	0.5	0.5	0.5	(0.0)
ol v^*	1.0	1.0	1.0	1.0
ol v^*	0.0	0.0	0.0	0.0
ol v^*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	65.67	-41.37	39.95
LAB*LAB	65.67	-41.37	39.95
LAB*LAB	65.67	-41.37	39.95
LAB*LAB	65.67	-41.37	39.95

Technology (IT)				relative CIELAB	
75	0.0	(1.0)		lab*lab	0.87
25	1.0	(0.0)		lab*tch	0.5
0	0.25	0.75		lab*ncb	0.0
0	0.75	0.25		relative Natural	
apted CIELAB				lab*lrj	0.87
3	-62.05	59.92		lab*ice	0.5
3	-62.05	59.92		lab*ncE	0.0
	86.27	136.01			

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: 5

www.ps.bam.de/OE55/10Q/Q55E04NP.PS/.PDF; start output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

BAM registration: 20060101-OE55/10Q/Q55E04NP.PS/.PDF BAM material: code=rhda4ta
application for evaluation and measurement of printer or monitor systems
/OE55/ Form 5/10, Serie: 1/1, Page: 5

Input: Colorimetric Television Luminous System TLS00

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

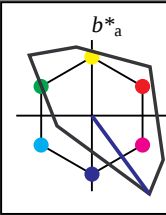
lab^*tch and lab^*nch

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

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	71.57	0.0	0.0
LAB*LABc	71.57	0.0	0.0
LAB*LABd	71.57	0.0	0.0
LAB*LABe	71.57	0.0	0.0
LAB*LABf	71.57	0.0	0.0
LAB*LABg	71.57	0.0	0.0
LAB*LABh	71.57	0.0	0.0
LAB*LABi	71.57	0.0	0.0
LAB*LABj	71.57	0.0	0.0
LAB*LABk	71.57	0.0	0.0
LAB*LABl	71.57	0.0	0.0
LAB*LABm	71.57	0.0	0.0
LAB*LABn	71.57	0.0	0.0
LAB*LABo	71.57	0.0	0.0
LAB*LABp	71.57	0.0	0.0
LAB*LABq	71.57	0.0	0.0
LAB*LABr	71.57	0.0	0.0
LAB*LABs	71.57	0.0	0.0
LAB*LABt	71.57	0.0	0.0
LAB*LABu	71.57	0.0	0.0
LAB*LABv	71.57	0.0	0.0
LAB*LABw	71.57	0.0	0.0
LAB*LABx	71.57	0.0	0.0
LAB*LABy	71.57	0.0	0.0
LAB*LABz	71.57	0.0	0.0

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

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	71.57	0.0	0.0
LAB*LABc	71.57	0.0	0.0
LAB*LABd	71.57	0.0	0.0
LAB*LABe	71.57	0.0	0.0
LAB*LABf	71.57	0.0	0.0
LAB*LABg	71.57	0.0	0.0
LAB*LABh	71.57	0.0	0.0
LAB*LABi	71.57	0.0	0.0
LAB*LABj	71.57	0.0	0.0
LAB*LABk	71.57	0.0	0.0
LAB*LABl	71.57	0.0	0.0
LAB*LABm	71.57	0.0	0.0
LAB*LABn	71.57	0.0	0.0
LAB*LABo	71.57	0.0	0.0
LAB*LABp	71.57	0.0	0.0
LAB*LABq	71.57	0.0	0.0
LAB*LABr	71.57	0.0	0.0
LAB*LABs	71.57	0.0	0.0
LAB*LABt	71.57	0.0	0.0
LAB*LABu	71.57	0.0	0.0
LAB*LABv	71.57	0.0	0.0
LAB*LABw	71.57	0.0	0.0
LAB*LABx	71.57	0.0	0.0
LAB*LABy	71.57	0.0	0.0
LAB*LABz	71.57	0.0	0.0

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

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	71.57	0.0	0.0
LAB*LABc	71.57	0.0	0.0
LAB*LABd	71.57	0.0	0.0
LAB*LABe	71.57	0.0	0.0
LAB*LABf	71.57	0.0	0.0
LAB*LABg	71.57	0.0	0.0
LAB*LABh	71.57	0.0	0.0
LAB*LABi	71.57	0.0	0.0
LAB*LABj	71.57	0.0	0.0
LAB*LABk	71.57	0.0	0.0
LAB*LABl	71.57	0.0	0.0
LAB*LABm	71.57	0.0	0.0
LAB*LABn	71.57	0.0	0.0
LAB*LABo	71.57	0.0	0.0
LAB*LABp	71.57	0.0	0.0
LAB*LABq	71.57	0.0	0.0
LAB*LABr	71.57	0.0	0.0
LAB*LABs	71.57	0.0	0.0
LAB*LABt	71.57	0.0	0.0
LAB*LABu	71.57	0.0	0.0
LAB*LABv	71.57	0.0	0.0
LAB*LABw	71.57	0.0	0.0
LAB*LABx	71.57	0.0	0.0
LAB*LABy	71.57	0.0	0.0
LAB*LABz	71.57	0.0	0.0

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

standard and adapted CIELAB

LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	71.57	0.0	0.0
LAB*LABc	71.57	0.0	0.0
LAB*LABd	71.57	0.0	0.0
LAB*LABe	71.57	0.0	0.0
LAB*LABf	71.57	0.0	0.0
LAB*LABg	71.57	0.0	0.0
LAB*LABh	71.57	0.0	0.0
LAB*LABi	71.57	0.0	0.0
LAB*LABj	71.57	0.0	0.0
LAB*LABk	71.57	0.0	0.0
LAB*LABl	71.57	0.0	0.0
LAB*LABm	71.57	0.0	0.0
LAB*LABn	71.57	0.0	0.0
LAB*LABo	71.57	0.0	0.0
LAB*LABp	71.57	0.0	0.0
LAB*LABq	71.57	0.0	0.0
LAB*LABr	71.57	0.0	0.0
LAB*LABs	71.57	0.0	0.0
LAB*LABt	71.57	0.0	0.0
LAB*LABu	71.57	0.0	0.0
LAB*LABv	71.57	0.0	0.0
LAB*LABw	71.57	0.0	0.0
LAB*LABx	71.57	0.0	0.0
LAB*LABy	71.57	0.0	0.0
LAB*LABz	71.57	0.0	0.0

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

standard and adapted CIELAB

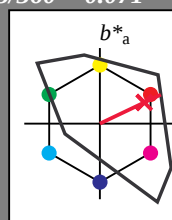
LAB*LAB	71.57	0.0	0.0
LAB*LABa	71.57	0.0	0.0
LAB*LABb	71.57	0.0	0.0
LAB*LABc	71.57	0.0	0.0
LAB*LABd	71.57	0.0	0.0
LAB*LABe	71.57	0.0	0.0
LAB*LABf	71.57	0.0	0.0
LAB*LABg	71.57	0.0	0.0
LAB*LABh	71.57	0.0	0.0
LAB*LABi	71.57	0.0	0.0
LAB*LABj	71.57	0.0	0.0
LAB*LABk	71.57	0.0	0.0
LAB*LABl	71.57	0.0	0.0
LAB*LABm	71.57	0.0	0.0
LAB*LABn	71.57	0.0	0.0
LAB*LABo	71.57	0.0	0.0
LAB*LABp	71.57	0.0	0.0
LAB*LABq	71.57	0.0	0.0
LAB*LABr	71.57	0.0	0.0
LAB*LABs	71.57	0.0	0.0
LAB*LABt	71.57	0.0	0.0
LAB*LABu	71.57	0.0	0.0
LAB*LABv	71.57	0.0	0.0
LAB*LABw	71.57	0.0	0.0
LAB*LABx	71.57	0.0	0.0
LAB*LABy	71.57	0.0	0.0
LAB*LABz	71.57	0.0	0.0

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$
 lab^*tch and lab^*nch

D65: hue R
LCH*Ma: 52 89 25
olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

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*TCHa 99.99 0.01

relative CIELAB lab*
lab*lab 1.0 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 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*LABa 71.57 0.0 0.0
LAB*TCHa 75.00 0.01

relative CIELAB lab*
lab*lab 0.886 0.226 0.107
lab*tch 0.875 0.225 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.886 0.225 0.0
lab*tce 0.875 0.225 0.0
lab*nce 0.0 0.25 0.099

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 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCHa 50.00 0.01

relative CIELAB lab*
lab*lab 0.75 0.25 0.0
lab*tch 0.75 0.25 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.25 0.0
lab*tce 0.75 0.25 0.0
lab*nce 0.25 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 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCHa 25.00 0.01

relative CIELAB lab*
lab*lab 0.386 0.226 0.108
lab*tch 0.375 0.225 0.071
lab*nch 0.25 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.386 0.225 0.0
lab*tce 0.375 0.225 0.0
lab*nce 0.25 0.25 0.099

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*LABa 23.87 0.0 0.0
LAB*TCHa 25.00 0.01

relative CIELAB lab*
lab*lab 0.386 0.226 0.108
lab*tch 0.375 0.225 0.071
lab*nch 0.25 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.386 0.225 0.0
lab*tce 0.375 0.225 0.0
lab*nce 0.25 0.25 0.099

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*LABa 23.87 0.0 0.0
LAB*TCHa 25.00 0.01

relative CIELAB lab*
lab*lab 0.386 0.226 0.108
lab*tch 0.375 0.225 0.071
lab*nch 0.25 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.386 0.225 0.0
lab*tce 0.375 0.225 0.0
lab*nce 0.25 0.25 0.099

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*LABa 23.87 0.0 0.0
LAB*TCHa 25.00 0.01

relative CIELAB lab*
lab*lab 0.386 0.226 0.108
lab*tch 0.375 0.225 0.071
lab*nch 0.25 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.386 0.225 0.0
lab*tce 0.375 0.225 0.0
lab*nce 0.25 0.25 0.099

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

relative CIELAB lab*
lab*lab 0.136 0.226 0.108
lab*tch 0.125 0.225 0.071
lab*nch 0.25 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.136 0.225 0.0
lab*tce 0.125 0.225 0.0
lab*nce 0.25 0.25 0.099

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

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

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 0.5 0.506 (1.0)
cmyn3* 0.0 0.5 0.506 (1.0)
olv4* 1.0 0.5 0.506 (1.0)
cmyn4* 0.0 0.5 0.506 (1.0)
standard and adapted CIELAB
LAB*LAB 73.67 40.3 19.2
LAB*LABa 73.67 40.3 19.2
LAB*TCHa 75.0 44.64 25.47

relative CIELAB lab*
lab*lab 0.772 0.451 0.215
lab*tch 0.75 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.772 0.5 0.0
lab*tce 0.75 0.5 0.0
lab*nce 0.0 0.5 0.099

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.358 (1.0)
cmyn3* 0.25 0.75 0.646 (0.0)
olv4* 1.0 0.25 0.409 (1.0)
cmyn4* 0.0 0.75 0.591 (0.0)
standard and adapted CIELAB
LAB*LAB 62.81 60.46 28.81
LAB*LABa 62.81 60.46 28.81
LAB*TCHa 62.5 66.97 25.48

relative CIELAB lab*
lab*lab 0.628 0.777 0.323
lab*tch 0.625 0.75 0.071
lab*nch 0.0 0.75 0.071
relative Natural Colour (NC)
lab*trj 0.628 0.75 0.0
lab*tce 0.625 0.75 0.0
lab*nce 0.0 0.75 0.099

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.159 (1.0)
cmyn3* 0.25 0.75 0.646 (0.0)
olv4* 1.0 0.25 0.409 (1.0)
cmyn4* 0.0 0.75 0.591 (0.0)
standard and adapted CIELAB
LAB*LAB 49.83 40.31 19.21
LAB*LABa 49.83 40.31 19.21
LAB*TCHa 50.0 44.65 25.48

relative CIELAB lab*
lab*lab 0.589 0.677 0.323
lab*tch 0.589 0.675 0.071
lab*nch 0.0 0.675 0.071
relative Natural Colour (NC)
lab*trj 0.589 0.675 0.0
lab*tce 0.589 0.675 0.0
lab*nce 0.0 0.675 0.099

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.159 (1.0)
cmyn3* 0.25 0.75 0.646 (0.0)
olv4* 1.0 0.25 0.409 (1.0)
cmyn4* 0.0 0.75 0.591 (0.0)
standard and adapted CIELAB
LAB*LAB 49.83 40.31 19.21
LAB*LABa 49.83 40.31 19.21
LAB*TCHa 50.0 44.65 25.48

relative CIELAB lab*
lab*lab 0.589 0.677 0.323
lab*tch 0.589 0.675 0.071
lab*nch 0.0 0.675 0.071
relative Natural Colour (NC)
lab*trj 0.589 0.675 0.0
lab*tce 0.589 0.675 0.0
lab*nce 0.0 0.675 0.099

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.159 (1.0)
cmyn3* 0.25 0.75 0.646 (0.0)
olv4* 1.0 0.25 0.409 (1.0)
cmyn4* 0.0 0.75 0.591 (0.0)
standard and adapted CIELAB
LAB*LAB 49.83 40.31 19.21
LAB*LABa 49.83 40.31 19.21
LAB*TCHa 50.0 44.65 25.48

relative CIELAB lab*
lab*lab 0.589 0.677 0.323
lab*tch 0.589 0.675 0.071
lab*nch 0.0 0.675 0.071
relative Natural Colour (NC)
lab*trj 0.589 0.675 0.0
lab*tce 0.589 0.675 0.0
lab*nce 0.0 0.675 0.099

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.159 (1.0)
cmyn3* 0.25 0.75 0.646 (0.0)
olv4* 1.0 0.25 0.409 (1.0)
cmyn4* 0.0 0.75 0.591 (0.0)
standard and adapted CIELAB
LAB*LAB 49.83 40.31 19.21
LAB*LABa 49.83 40.31 19.21
LAB*TCHa 50.0 44.65 25.48

relative CIELAB lab*
lab*lab 0.589 0.677 0.323
lab*tch 0.589 0.675 0.071
lab*nch 0.0 0.675 0.071
relative Natural Colour (NC)
lab*trj 0.589 0.675 0.0
lab*tce 0.589 0.675 0.0
lab*nce 0.0 0.675 0.099

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.084 (1.0)
cmyn3* 0.75 0.0 0.084 (0.0)
olv4* 1.0 0.25 0.409 (1.0)
cmyn4* 0.0 0.75 0.591 (0.0)
standard and adapted CIELAB
LAB*LAB 25.98 40.31 19.21
LAB*LABa 25.98 40.31 19.21
LAB*TCHa 25.01 44.65 25.48

relative CIELAB lab*
lab*lab 0.272 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.272 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.0 0.5 0.099

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.084 (1.0)
cmyn3* 0.75 0.0 0.084 (0.0)
olv4* 1.0 0.25 0.409 (1.0)
cmyn4* 0.0 0.75 0.591 (0.0)
standard and adapted CIELAB
LAB*LAB 25.98 40.31 19.21
LAB*LABa 25.98 40.31 19.21
LAB*TCHa 25.01 44.65 25.48

relative CIELAB lab*
lab*lab 0.272 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.272 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.0 0.5 0.099

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.084 (1.0)
cmyn3* 0.75 0.0 0.084 (0.0)
olv4* 1.0 0.25 0.409 (1.0)
cmyn4* 0.0 0.75 0.591 (0.0)
standard and adapted CIELAB
LAB*LAB 25.98 40.31 19.21
LAB*LABa 25.98 40.31 19.21
LAB*TCHa 25.01 44.65 25.48

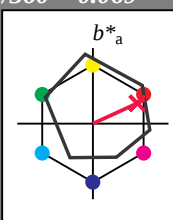
relative CIELAB lab*
lab*lab 0.272 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.272 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.0 0.5 0.099

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$
 lab^*tch and lab^*nch

D65: hue R
LCH*Ma: 48 75 25
olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

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 -0.98 4.75
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01

relative CIELAB lab*
lab*lab 1.0 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 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 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.00 0.01

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

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.213 (1.0)
cmyn3* 0.25 0.75 0.646 (0.0)
olv4* 1.0 0.25 0.409 (1.0)
cmyn4* 0.0 0.75 0.591 (0.0)
standard and adapted CIELAB
LAB*LAB 62.81 60.46 28.81
LAB*LABa 62.81 60.46 28.81
LAB*TCHa 62.5 66.97 25.48

relative CIELAB lab*
lab*lab 0.628 0.777 0.323
lab*tch 0.625 0.75 0.071
lab*nch 0.0 0.75 0.071
relative Natural Colour (NC)
lab*trj 0.628 0.75 0.0
lab*tce 0.625 0.75 0.0
lab*nce 0.0 0.75 0.099

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.159 (1.0)
cmyn3* 0.25 0.75 0.646 (0.0)
olv4* 1.0 0.25 0.409 (1.0)
cmyn4* 0.0 0.75 0.591 (0.0)
standard and adapted CIELAB
LAB*LAB 49.83 40.31 19.21
LAB*LABa 49.83 40.31 19.21
LAB*TCHa 50.0 44.65 25.48

relative CIELAB lab*
lab*lab 0.589 0.677 0.323
lab*tch 0.589 0.675 0.071
lab*nch 0.0 0.675 0.071
relative Natural Colour (NC)
lab*trj 0.589 0.675 0.0
lab*tce 0.589 0.675 0.0
lab*nce 0.0 0.675 0.099

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.159 (1.0)
cmyn3* 0.25 0.75 0.646 (0.0)
olv4* 1.0 0.25 0.409 (1.0)
cmyn4* 0.0 0.75 0.591 (0.0)
standard and adapted CIELAB
LAB*LAB 49.83 40.31 19.21
LAB*LABa 49.83 40.31 19.21
LAB*TCHa 50.0 44.65 25.48

relative CIELAB lab*
lab*lab 0.589 0.677 0.323
lab*tch 0.589 0.675 0.071
lab*nch 0.0 0.675 0.071
relative Natural Colour (NC)
lab*trj 0.589 0.675 0.0
lab*tce 0.589 0.675 0.0
lab*nce 0.0 0.675 0.099

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.159 (1.0)
cmyn3* 0.25 0.75 0.646 (0.0)
olv4* 1.0 0.25 0.409 (1.0)
cmyn4* 0.0 0.75 0.591 (0.0)
standard and adapted CIELAB
LAB*LAB 49.83 40.31 19.21
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LAB*TCHa 50.0 44.65 25.48

relative CIELAB lab*
lab*lab 0.589 0.677 0.323
lab*tch 0.589 0.675 0.071
lab*nch 0.0 0.675 0.071
relative Natural Colour (NC)
lab*trj 0.589 0.675 0.0
lab*tce 0.589 0.675 0.0
lab*nce 0.0 0.675 0.099

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.084 (1.0)
cmyn3* 0.75 0.0 0.084 (0.0)
olv4* 1.0 0.25 0.409 (1.0)
cmyn4* 0.0 0.75 0.591 (0.0)
standard and adapted CIELAB
LAB*LAB 25.98 40.31 19.21
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relative CIELAB lab*
lab*lab 0.272 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.272 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.0 0.5 0.099

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.084 (1.0)
cmyn3* 0.75 0.0 0.084 (0.0)
olv4* 1.0 0.25 0.409 (1.0)
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standard and adapted CIELAB
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LAB*TCHa 25.01 44.65 25.48

relative CIELAB lab*
lab*lab 0.272 0.451 0.215
lab*tch 0.25 0.5 0.071
lab*nch 0.0 0.5 0.071
relative Natural Colour (NC)
lab*trj 0.272 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.0 0.5 0.099

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.084 (1.0)
cm

4

A diagram of a 1D lattice with sites labeled L and V. The lattice is represented by a horizontal line with several vertical tick marks. The sites are labeled L and V. The L sites are highlighted with a green background, and the V sites are highlighted with a blue background. The sites are arranged in a regular pattern along the lattice.

Input: Colorimetric Television Luminous System TLS00

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

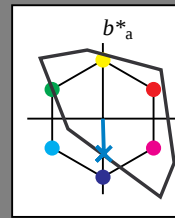
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

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
BC _{IE}	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

chromaticness c^*

$n^* = 1.0$

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

blackness n^*

chromaticness c^*

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