

Input: Colorimetric Television Luminous System TLS00

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

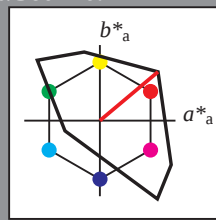
$lab \cdot tch$ and $lab \cdot nch$

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)

olvi3*	1.0	1.0	1.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

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

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	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

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.75	(1.0)
olvi3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
olvi4*	0.0	0.25	0.25	(0.0)
olvi4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

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

relative CIELAB lab*

lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084

relative Natural Colour (NC)

lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.75	(1.0)
olvi3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
olvi4*	0.0	0.25	0.25	(0.0)
olvi4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	72.95	38.45	32.27
LAB*LAB	72.95	38.45	32.27
LAB*LAB	72.95	38.45	32.27

relative CIELAB lab*

lab*lab	0.765	0.383	0.321
lab*lab	0.765	0.383	0.321
lab*lab	0.765	0.383	0.321

relative Natural Colour (NC)

lab*lab	0.765	0.383	0.321
lab*lab	0.765	0.383	0.321
lab*lab	0.765	0.383	0.321

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

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

relative CIELAB lab*

lab*lab	0.765	0.383	0.321
lab*lab	0.765	0.383	0.321
lab*lab	0.765	0.383	0.321

relative Natural Colour (NC)

lab*lab	0.765	0.383	0.321
lab*lab	0.765	0.383	0.321
lab*lab	0.765	0.383	0.321

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

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

relative CIELAB lab*

lab*lab	0.625	0.25	0.084
lab*lab	0.625	0.25	0.084
lab*lab	0.625	0.25	0.084

relative Natural Colour (NC)

lab*lab	0.625	0.25	0.084
lab*lab	0.625	0.25	0.084
lab*lab	0.625	0.25	0.084

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

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

relative CIELAB lab*

lab*lab	0.574	0.251	0.251
lab*lab	0.574	0.251	0.251
lab*lab	0.574	0.251	0.251

relative Natural Colour (NC)

lab*lab	0.574	0.251	0.251
lab*lab	0.574	0.251	0.251
lab*lab	0.574	0.251	0.251

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LAB	47.72	0.0	0.0
LAB*LAB	47.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.574	0.251	0.251
lab*lab	0.574	0.251	0.251
lab*lab	0.574	0.251	0.251

relative Natural Colour (NC)

lab*lab	0.574	0.251	0.251
lab*lab	0.574	0.251	0.251
lab*lab	0.574	0.251	0.251

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	49.11	38.46	32.28
LAB*LAB	49.11	38.46	32.28
LAB*LAB	49.11	38.46	32.28

relative CIELAB lab*

lab*lab	0.515	0.471	0.167
lab*lab	0.515	0.471	0.167
lab*lab	0.515	0.471	0.167

relative Natural Colour (NC)

lab*lab	0.515	0.471	0.167
lab*lab	0.515	0.471	0.167
lab*lab	0.515	0.471	0.167

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.88	57.68	48.41
LAB*LAB	37.88	57.68	48.41
LAB*LAB	37.88	57.68	48.41

relative CIELAB lab*

lab*lab	0.397	0.574	0.482
lab*lab	0.397	0.574	0.482
lab*lab	0.397	0.574	0.482

relative Natural Colour (NC)

lab*lab	0.397	0.574	0.482
lab*lab	0.397	0.574	0.482
lab*lab	0.397	0.574	0.482

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	42.32	32.27	16.13
LAB*LAB	42.32	32.27	16.13
LAB*LAB	42.32	32.27	16.13

relative CIELAB lab*

lab*lab	0.382	0.192	0.161
lab*lab	0.382	0.192	0.161
lab*lab	0.382	0.192	0.161

relative Natural Colour (NC)

lab*lab	0.382	0.192	0.161
lab*lab	0.382	0.192	0.161
lab*lab	0.382	0.192	0.161

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	25.26	38.45	32.27
LAB*LAB	25.26	38.45	32.27
LAB*LAB	25.26	38.45	32.27

relative CIELAB lab*

lab*lab	0.265	0.383	0.321
lab*lab	0.265	0.383	0.321
lab*lab	0.265	0.383	0.321

relative Natural Colour (NC)

lab*lab	0.265	0.383	0.321
lab*lab	0.265	0.383	0.321
lab*lab	0.265	0.383	0.321

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	25.26	38.45	32.27
LAB*LAB	25.26	38.45	32.27
LAB*LAB	25.26	38.45	32.27

relative CIELAB lab*

lab*lab	0.265	0.383	0.321
lab*lab	0.265	0.383	0.321
lab*lab	0.265	0.383	0.321

relative Natural Colour (NC)

lab*lab	0.265	0.383	0.321
lab*lab	0.265	0.383	0.321
lab*lab	0.265	0.383	0.321

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

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

relative CIELAB lab*

lab*lab	0.265	0.383	0.321
lab*lab	0.265	0.383	0.321
lab*lab	0.265	0.383	0.321

relative Natural Colour (NC)

lab*lab	0.265	0.383	0.321
lab*lab	0.265	0.383	0.321
lab*lab	0.265	0.383	0.321

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	12.64	19.22	16.13
LAB*LAB	12.64	19.22	16.13
LAB*LAB	12.64	19.22	16.13

relative CIELAB lab*

lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161

relative Natural Colour (NC)

lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	12.64	19.22	16.13
LAB*LAB	12.64	19.22	16.13
LAB*LAB	12.64	19.22	16.13

relative CIELAB lab*

lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161

relative Natural Colour (NC)

lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	12.64	19.22	16.13
LAB*LAB	12.64	19.22	16.13
LAB*LAB	12.64	19.22	16.13

relative CIELAB lab*

lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161

relative Natural Colour (NC)

lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)</

Input: Colorimetric Television Luminous System TLS00

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

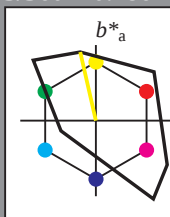
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

ol v^* Ma: 1.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

ol v^*3^*	1.0	1.0	1.0	(1.0)
ol v^*3^*	0.0	0.0	0.0	(0.0)
ol v^*4^*	1.0	1.0	1.0	1.0
ol v^*4^*	0.0	0.0	0.0	0.0
ol v^*4^*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

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

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	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

relative Inform. Technology (IT)

ol v^*3^*	0.75	0.75	0.75	(1.0)
ol v^*3^*	0.25	0.25	0.25	(0.0)
ol v^*4^*	1.0	1.0	1.0	1.0
ol v^*4^*	0.0	0.0	0.0	0.0
ol v^*4^*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

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

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

ol v^*3^*	0.75	0.75	0.75	(1.0)
ol v^*3^*	0.25	0.25	0.25	(0.0)
ol v^*4^*	1.0	1.0	1.0	1.0
ol v^*4^*	0.0	0.0	0.0	0.0
ol v^*4^*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LAB	47.72	0.0	0.0
LAB*LAB	47.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

ol v^*3^*	0.75	0.75	0.75	(1.0)
ol v^*3^*	0.25	0.25	0.25	(0.0)
ol v^*4^*	1.0	1.0	1.0	1.0
ol v^*4^*	0.0	0.0	0.0	0.0
ol v^*4^*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

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

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

ol v^*3^*	0.0	0.0	0.0	(1.0)
ol v^*3^*	0.0	0.0	0.0	(0.0)
ol v^*4^*	1.0	1.0	1.0	1.0
ol v^*4^*	0.0	0.0	0.0	0.0
ol v^*4^*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LAB	0.0	0.0	0.0
LAB*LAB	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*lab	0.0	0.0	0.0	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	(1.0)
lab*lab	0.0	0.0	0.0	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

$n^* = 1.0$

TLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O $_{Ma}$	50.5	76.92	64.55	100.42	40
Y $_{Ma}$	92.66	-20.69	90.75	93.08	103
L $_{Ma}$	83.63	-82.75	79.9	115.04	136
C $_{Ma}$	86.88	-46.16	-13.55	48.12	196
V $_{Ma}$	30.39	76.06	-103.59	128.52	306
M $_{Ma}$	57.3	94.35	-58.41	110.97	328
N $_{Ma}$	0.01	0.0	0.0	0.0	0
W $_{Ma}$	95.41	0.0	0.0	0.0	0
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)

ol v^*3^*	1.0	1.0	1.0	(1.0)
ol v^*3^*	0.0	0.0	0.0	(0.0)
ol v^*4^*	1.0	1.0	1.0	1.0
ol v^*4^*	0.0	0.0	0.0	0.0
ol v^*4^*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	94.71	-5.16	22.68
LAB*LAB	94.71	-5.16	22.68
LAB*LAB	94.71	-5.16	22.68

relative CIELAB lab*

lab*lab	0.985	-0.11	0.487
lab*lab	0.75	0.5	0.286
lab*lab	0.0	0.5	0.286

relative Natural Colour (NC)

lab*lab	0.985	-0.11	0.486
lab*lab	0.75	0.5	0.286
lab*lab	0.0	0.5	0.286

relative Inform. Technology (IT)

ol v^*3^*	0.75	0.75	0.75	(1.0)
ol v^*3^*	0.25	0.25	0.25	(0.0)
ol v^*4^*	1.0	1.0	1.0	1.0
ol v^*4^*	0.0	0.0	0.0	0.0
ol v^*4^*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	70.19	-10.34	45.38
LAB*LAB	70.19	-10.34	45.38
LAB*LAB	70.19	-10.34	45.38

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

ol v^*3^*	0.75	0.75	0.75	(1.0)
ol v^*3^*	0.25	0.25	0.25	(0.0)
ol v^*4^*	1.0	1.0	1.0	1.0
ol v^*4^*	0.0	0.0	0.0	0.0
ol v^*4^*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	46.34	-10.34	45.38
LAB*LAB	46.34	-10.34	45.38
LAB*LAB	46.34	-10.34	45.38

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

ol v^*3^*	0.5	0.5	0.5	(1.0)
ol v^*3^*	0.25	0.25	0.25	(0.0)
ol v^*4^*	1.0	1.0	1.0	1.0
ol v^*4^*	0.0	0.0	0.0	0.0
ol v^*4^*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	23.17	-5.16	22.68
LAB*LAB	23.17	-5.16	22.68
LAB*LAB	23.17	-5.16	22.68

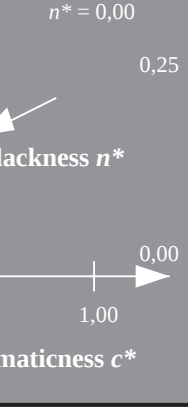
relative CIELAB lab*

lab*lab	0.486	-0.11	0.487
lab*lab	0.25	0.5	0.286
lab*lab	0.0	0.5	0.286

relative Natural Colour (NC)

lab*lab	0.486	-0.11	0.486
lab*lab	0.25	0.5	0.286
lab*lab	0.0	0.5	0.286

$n^* = 0.50$



chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

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

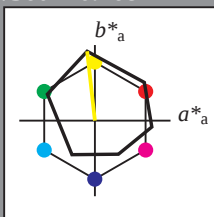
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

ol v^* Ma: 1.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

ol v^*3^*	1.0	1.0	1.0	(1.0)
ol v^*3^*	0.0	0.0	0.0	(0.0)
ol v^*4^*	1.0	1.0	1.0	1.0
ol v^*4^*	0.0	0.0	0.0	0.0
ol v^*4^*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	-0.98	4.75
LAB*LAB	95.41	-0.98	4.75
LAB*LAB	95.41	-0.98	4.75

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

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

relative Inform. Technology (IT)

ol v^*3^*	0.75	0.75	0.75	(1.0)
ol v^*3^*	0.25	0.25	0.25	(0.0)
ol v^*4^*	1.0	1.0	1.0	1.0
ol v^*4^*	0.0	0.0	0.0	0.0
ol v^*4^*	0.0	0.0	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	76.06	-0.61	3.44

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

ol v^*3^*	0.75	0.75	0.75	(1.0)
ol v^*3^*	0.25	0.25	0.25	(0.0)
ol v^*4^*	1.0	1.0	1.0	1.0
ol v^*4^*	0.0	0.0	0.0	0.0
ol v^*4^*	0.0	0.0	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	56.71	0.24	2.14

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.25	(1.0)
cmyn3*	0.5	0.5	0.75	(0.0)
olvi4*	1.0	1.0	0.75	0.5
cmyn4*	0.0	0.0	0.25	0.5
standard and adapted CIELAB				
LAB*LAB	55.45	-2.78	25.0	
LAB*LAB	55.45	-2.56	22.94	
LAB*TCHa	37.5	23.08	96.38	

Material: code=rh4ta

lab*tch and lab*nch

olv*Ma: 0.0 1.0 1.0

$$U^*_{\text{rel}} = 158$$

les for constant CIELAB L

naticness c

systems T

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

lab*tch and lab*nch

olv*Ma: 0.0 1.0 1.0

$$u^*_{\text{vol}} = 93$$

lab*ncE 0.75 0.25 g66b

0,25

0 & ORS1

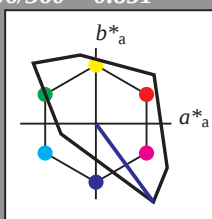
```
output: cmy0* / 000n* setcmykcolor
```

mykcolor

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* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.0 0.0
LAB*TCHa 99.99 0.0 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*trc 1.0 0.0 0.0
lab*ncc 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* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 79.15 19.01 -25.88
LAB*LABa 79.15 19.01 -25.88
LAB*LABb 97.5 32.12 306.29
LAB*TCHa 97.5 32.12 306.29

relative CIELAB lab*
lab*lab 0.83 0.148 -0.2
lab*tch 0.875 0.25 0.851
lab*nch 0.0 0.25 0.851
relative Natural Colour (NC)
lab*trj 0.83 0.115 -0.221
lab*trc 0.875 0.25 0.826
lab*ncc 0.0 0.25 0.826

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 62.9 38.02 -51.78
LAB*LABa 62.9 38.02 -51.78
LAB*LABb 76.06 0.0 0.0
LAB*TCHa 76.06 0.0 0.0

relative CIELAB lab*
lab*lab 0.659 0.296 -0.402
lab*tch 0.75 0.5 0.851
lab*nch 0.0 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.659 0.23 -0.443
lab*trc 0.75 0.5 0.826
lab*ncc 0.0 0.5 0.826

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

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.39 76.04 -103.59
LAB*LABa 30.39 76.04 -103.59
LAB*LABb 50.0 128.52 306.29
LAB*TCHa 50.0 128.52 306.29

relative CIELAB lab*
lab*lab 0.318 0.592 -0.805
lab*tch 0.5 1.0 0.851
lab*nch 0.0 1.0 0.851
relative Natural Colour (NC)
lab*trj 0.318 0.459 -0.887
lab*trc 0.5 1.0 0.826
lab*ncc 0.0 1.0 0.826

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

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

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 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 50.0 1.0 0.0
LAB*TCHa 50.0 1.0 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.0
lab*tch 0.5 0.5 0.0
lab*nch 0.0 0.5 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.0
lab*trc 0.5 0.5 0.0
lab*ncc 0.0 0.5 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.25 0.25 (1.0)
cmyn4* 0.75 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 31.46 19.01 -25.89
LAB*LABa 31.46 19.01 -25.89
LAB*LABb 37.5 32.12 306.29
LAB*TCHa 37.5 32.12 306.29

relative CIELAB lab*
lab*lab 0.33 0.148 -0.201
lab*tch 0.375 0.25 0.851
lab*nch 0.0 0.25 0.851
relative Natural Colour (NC)
lab*trj 0.33 0.115 -0.221
lab*trc 0.375 0.25 0.826
lab*ncc 0.0 0.25 0.826

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

relative CIELAB lab*
lab*lab 0.139 0.296 -0.402
lab*tch 0.25 0.5 0.851
lab*nch 0.0 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.139 0.23 -0.443
lab*trc 0.25 0.5 0.826
lab*ncc 0.0 0.5 0.826

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

relative CIELAB lab*
lab*lab 0.08 0.148 -0.2
lab*tch 0.125 0.25 0.851
lab*nch 0.0 0.25 0.851
relative Natural Colour (NC)
lab*trj 0.08 0.115 -0.221
lab*trc 0.125 0.25 0.826
lab*ncc 0.0 0.25 0.826

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 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 19.94 7.77 -11.09
LAB*TCHa 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*trc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 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 19.94 7.77 -11.09
LAB*TCHa 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*trc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 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 19.94 7.77 -11.09
LAB*TCHa 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*trc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 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 19.94 7.77 -11.09
LAB*TCHa 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*trc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 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 19.94 7.77 -11.09
LAB*TCHa 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*trc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 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 19.94 7.77 -11.09
LAB*TCHa 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*trc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 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 19.94 7.77 -11.09
LAB*TCHa 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*trc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 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 19.94 7.77 -11.09
LAB*TCHa 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*trc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 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 19.94 7.77 -11.09
LAB*TCHa 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*trc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 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 19.94 7.77 -11.09
LAB*TCHa 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*trc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 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 19.94 7.77 -11.09
LAB*TCHa 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*trc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 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 19.94 7.77 -11.09
LAB*TCHa 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*trc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 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 19.94 7.77 -11.09
LAB*TCHa 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*trc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 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 19.94 7.77 -11.09
LAB*TCHa 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*trc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 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 19.94 7.77 -11.09
LAB*TCHa 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*trc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 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 19.94 7.77 -11.09
LAB*TCHa 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*trc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 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 19.94 7.77 -11.09
LAB*TCHa 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*trc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 1.0 0.

	C	M
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Input: Colorimetric Television Luminous System TLS00

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

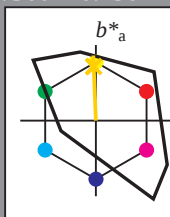
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	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 Inform. Technology (IT)

olvi3*	1.0	0.956	0.75	(1.0)
olvi3*	0.0	0.044	0.25	(0.0)
olvi4*	1.0	0.956	0.75	(1.0)
olvi4*	0.0	0.044	0.25	(0.0)
olvi4*	0.0	0.044	0.25	(0.0)
olvi4*	0.0	0.044	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	92.86	-0.87	21.53
LAB*Lab	92.86	-0.87	21.53
LAB*Lab	92.86	-0.87	21.53
LAB*Lab	92.86	-0.87	21.53

relative Inform. Technology (IT)

olvi3*	1.0	0.912	0.5	(1.0)
olvi3*	0.0	0.088	0.5	(0.0)
olvi4*	1.0	0.912	0.5	(1.0)
olvi4*	0.0	0.088	0.5	(0.0)
olvi4*	0.0	0.088	0.5	(0.0)
olvi4*	0.0	0.088	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	90.31	-1.74	43.06
LAB*Lab	90.31	-1.74	43.06
LAB*Lab	90.31	-1.74	43.06
LAB*Lab	90.31	-1.74	43.06

relative Inform. Technology (IT)

olvi3*	1.0	0.868	0.25	(1.0)
olvi3*	0.0	0.132	0.25	(0.0)
olvi4*	1.0	0.868	0.25	(1.0)
olvi4*	0.0	0.132	0.25	(0.0)
olvi4*	0.0	0.132	0.25	(0.0)
olvi4*	0.0	0.132	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	87.76	-2.61	64.59
LAB*Lab	87.76	-2.61	64.59
LAB*Lab	87.76	-2.61	64.59
LAB*Lab	87.76	-2.61	64.59

relative Inform. Technology (IT)

olvi3*	1.0	0.824	0.0	(1.0)
olvi3*	0.0	0.176	0.0	(0.0)
olvi4*	1.0	0.824	0.0	(1.0)
olvi4*	0.0	0.176	0.0	(0.0)
olvi4*	0.0	0.176	0.0	(0.0)
olvi4*	0.0	0.176	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11

relative Inform. Technology (IT)

olvi3*	1.0	0.725	0.5	(1.0)
olvi3*	0.0	0.275	0.5	(0.0)
olvi4*	1.0	0.725	0.5	(1.0)
olvi4*	0.0	0.275	0.5	(0.0)
olvi4*	0.0	0.275	0.5	(0.0)
olvi4*	0.0	0.275	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11

relative Inform. Technology (IT)

olvi3*	1.0	0.625	0.25	(1.0)
olvi3*	0.0	0.375	0.25	(0.0)
olvi4*	1.0	0.625	0.25	(1.0)
olvi4*	0.0	0.375	0.25	(0.0)
olvi4*	0.0	0.375	0.25	(0.0)
olvi4*	0.0	0.375	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11

relative Inform. Technology (IT)

olvi3*	1.0	0.525	0.0	(1.0)
olvi3*	0.0	0.475	0.0	(0.0)
olvi4*	1.0	0.525	0.0	(1.0)
olvi4*	0.0	0.475	0.0	(0.0)
olvi4*	0.0	0.475	0.0	(0.0)
olvi4*	0.0	0.475	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11

relative Inform. Technology (IT)

olvi3*	1.0	0.425	0.0	(1.0)
olvi3*	0.0	0.575	0.0	(0.0)
olvi4*	1.0	0.425	0.0	(1.0)
olvi4*	0.0	0.575	0.0	(0.0)
olvi4*	0.0	0.575	0.0	(0.0)
olvi4*	0.0	0.575	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11

relative Inform. Technology (IT)

olvi3*	1.0	0.325	0.0	(1.0)
olvi3*	0.0	0.675	0.0	(0.0)
olvi4*	1.0	0.325	0.0	(1.0)
olvi4*	0.0	0.675	0.0	(0.0)
olvi4*	0.0	0.675	0.0	(0.0)
olvi4*	0.0	0.675	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11

relative Inform. Technology (IT)

olvi3*	1.0	0.225	0.0	(1.0)
olvi3*	0.0	0.775	0.0	(0.0)
olvi4*	1.0	0.225	0.0	(1.0)
olvi4*	0.0	0.775	0.0	(0.0)
olvi4*	0.0	0.775	0.0	(0.0)
olvi4*	0.0	0.775	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11

relative Inform. Technology (IT)

olvi3*	1.0	0.125	0.0	(1.0)
olvi3*	0.0	0.875	0.0	(0.0)
olvi4*	1.0	0.125	0.0	(1.0)
olvi4*	0.0	0.875	0.0	(0.0)
olvi4*	0.0	0.875	0.0	(0.0)
olvi4*	0.0	0.875	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11

relative Inform. Technology (IT)

olvi3*	1.0	0.025	0.0	(1.0)
olvi3*	0.0	0.975	0.0	(0.0)
olvi4*	1.0	0.025	0.0	(1.0)
olvi4*	0.0	0.975	0.0	(0.0)
olvi4*	0.0	0.975	0.0	(0.0)
olvi4*	0.0	0.975	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11

relative Inform. Technology (IT)

olvi3*	1.0	0.025	0.0	(1.0)
olvi3*	0.0	0.975	0.0	(0.0)
olvi4*	1.0	0.025	0.0	(1.0)
olvi4*	0.0	0.975	0.0	(0.0)
olvi4*	0.0	0.975	0.0	(0.0)
olvi4*	0.0	0.975	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11

relative Inform. Technology (IT)

olvi3*	1.0	0.025	0.0	(1.0)
olvi3*	0.0	0.975	0.0	(0.0)
olvi4*	1.0	0.025	0.0	(1.0)
olvi4*	0.0	0.975	0.0	(0.0)
olvi4*	0.0	0.975	0.0	(0.0)
olvi4*	0.0	0.975	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11

relative Inform. Technology (IT)

olvi3*	1.0	0.025	0.0	(1.0)
olvi3*	0.0	0.975	0.0	(0.0)
olvi4*	1.0	0.025	0.0	(1.0)
olvi4*	0.0	0.975	0.0	(0.0)
olvi4*	0.0	0.975	0.0	(0.0)
olvi4*	0.0	0.975	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11

relative Inform. Technology (IT)

olvi3*	1.0	0.025	0.0	(1.0)
olvi3*	0.0	0.975	0.0	(0.0)
olvi4*	1.0	0.025	0.0	(1.0)
olvi4*	0.0	0.975	0.0	(0.0)
olvi4*	0.0	0.975	0.0	(0.0)
olvi4*	0.0	0.975	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11

Output: Colorimetric Offset Reflective System ORS18

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

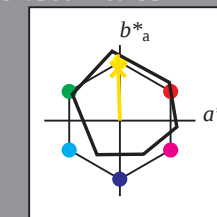
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	95.41	-0.98	4.75
LAB*Lab	95.41	-0.98	4.75
LAB*Lab	95.41	-0.98	4.75
LAB*Lab	95.41	-0.98	4.75

relative Inform. Technology (IT)

olvi3*	1.0	0.975	0.75	(1.0)
olvi3*	0.0	0.025	0.25	(0.0)
olvi4*	1.0	0.975	0.75	(1.0)
olvi4*	0.0	0.025	0.25	(0.0)
olvi4*	0.0	0.025	0.25	(0.0)
olvi4*	0.0	0.025	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	93.1	-1.64	26.52
LAB*Lab	93.1	-1.64	26.52
LAB*Lab	93.1	-1.64	26.52
LAB*Lab	93.1	-1.64	26.52

relative Inform. Technology (IT)

olvi3*	1.0	0.912	0.5	(1.0)
olvi3*	0.0	0.088	0.5	(0.0)
olvi4*	1.0	0.912	0.5	(1.0)
olvi4*	0.0	0.088	0.5	(0.0)
olvi4*	0.0	0.088	0.5	(0.0)
olvi4*	0.0	0.088	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	90.31	-1.74	43.06
LAB*Lab	90.31	-1.74	43.06
LAB*Lab	90.31	-1.74	43.06
LAB*Lab	90.31	-1.74	43.06

relative Inform. Technology (IT)

olvi3*	1.0	0.868	0.25	(1.0)
olvi3*	0.0	0.132	0.25	(0.0)
olvi4*	1.0	0.868	0.25	(1.0)
olvi4*	0.0	0.132	0.25	(0.0)
olvi4*	0.0	0.132	0.25	(0.0)
olvi4*	0.0	0.132	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	87.76	-2.61	64.59
LAB*Lab	87.76	-2.61	64.59
LAB*Lab	87.76	-2.61	64.59
LAB*Lab	87.76	-2.61	64.59

relative Inform. Technology (IT)

olvi3*	1.0	0.824	0.0	(1.0)
olvi3*	0.0	0.176	0.0	(0.0)
olvi4*	1.0	0.824	0.0	(1.0)
olvi4*	0.0	0.176	0.0	(0.0)
olvi4*	0.0	0.176	0.0	(0.0)
olvi4*	0.0	0.176	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11
LAB*Lab	85.22	-3.47	86.11

lab*			
1	-0.031	0.999	
	1.0	0.255	
	1.0	0.255	
Colour (NC)			
1	0.0	1.0	
	1.0	0.25	
	1.0	0.00g	

Input: Colorimetric Television Luminous System TLS00

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

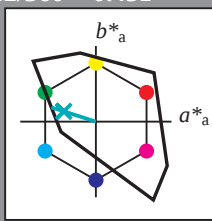
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0
olvi8*	0.0	0.0	0.0
olvi9*	0.0	0.0	0.0
olvi10*	0.0	0.0	0.0
olvi11*	0.0	0.0	0.0
olvi12*	0.0	0.0	0.0
olvi13*	0.0	0.0	0.0
olvi14*	0.0	0.0	0.0
olvi15*	0.0	0.0	0.0
olvi16*	0.0	0.0	0.0
olvi17*	0.0	0.0	0.0
olvi18*	0.0	0.0	0.0
olvi19*	0.0	0.0	0.0
olvi20*	0.0	0.0	0.0
olvi21*	0.0	0.0	0.0
olvi22*	0.0	0.0	0.0
olvi23*	0.0	0.0	0.0
olvi24*	0.0	0.0	0.0
olvi25*	0.0	0.0	0.0
olvi26*	0.0	0.0	0.0
olvi27*	0.0	0.0	0.0
olvi28*	0.0	0.0	0.0
olvi29*	0.0	0.0	0.0
olvi30*	0.0	0.0	0.0
olvi31*	0.0	0.0	0.0
olvi32*	0.0	0.0	0.0
olvi33*	0.0	0.0	0.0
olvi34*	0.0	0.0	0.0
olvi35*	0.0	0.0	0.0
olvi36*	0.0	0.0	0.0
olvi37*	0.0	0.0	0.0
olvi38*	0.0	0.0	0.0
olvi39*	0.0	0.0	0.0
olvi40*	0.0	0.0	0.0
olvi41*	0.0	0.0	0.0
olvi42*	0.0	0.0	0.0
olvi43*	0.0	0.0	0.0
olvi44*	0.0	0.0	0.0
olvi45*	0.0	0.0	0.0
olvi46*	0.0	0.0	0.0
olvi47*	0.0	0.0	0.0
olvi48*	0.0	0.0	0.0
olvi49*	0.0	0.0	0.0
olvi50*	0.0	0.0	0.0
olvi51*	0.0	0.0	0.0
olvi52*	0.0	0.0	0.0
olvi53*	0.0	0.0	0.0
olvi54*	0.0	0.0	0.0
olvi55*	0.0	0.0	0.0
olvi56*	0.0	0.0	0.0
olvi57*	0.0	0.0	0.0
olvi58*	0.0	0.0	0.0
olvi59*	0.0	0.0	0.0
olvi60*	0.0	0.0	0.0
olvi61*	0.0	0.0	0.0
olvi62*	0.0	0.0	0.0
olvi63*	0.0	0.0	0.0
olvi64*	0.0	0.0	0.0
olvi65*	0.0	0.0	0.0
olvi66*	0.0	0.0	0.0
olvi67*	0.0	0.0	0.0
olvi68*	0.0	0.0	0.0
olvi69*	0.0	0.0	0.0
olvi70*	0.0	0.0	0.0
olvi71*	0.0	0.0	0.0
olvi72*	0.0	0.0	0.0
olvi73*	0.0	0.0	0.0
olvi74*	0.0	0.0	0.0
olvi75*	0.0	0.0	0.0
olvi76*	0.0	0.0	0.0
olvi77*	0.0	0.0	0.0
olvi78*	0.0	0.0	0.0
olvi79*	0.0	0.0	0.0
olvi80*	0.0	0.0	0.0
olvi81*	0.0	0.0	0.0
olvi82*	0.0	0.0	0.0
olvi83*	0.0	0.0	0.0
olvi84*	0.0	0.0	0.0
olvi85*	0.0	0.0	0.0
olvi86*	0.0	0.0	0.0
olvi87*	0.0	0.0	0.0
olvi88*	0.0	0.0	0.0
olvi89*	0.0	0.0	0.0
olvi90*	0.0	0.0	0.0
olvi91*	0.0	0.0	0.0
olvi92*	0.0	0.0	0.0
olvi93*	0.0	0.0	0.0
olvi94*	0.0	0.0	0.0
olvi95*	0.0	0.0	0.0
olvi96*	0.0	0.0	0.0
olvi97*	0.0	0.0	0.0
olvi98*	0.0	0.0	0.0
olvi99*	0.0	0.0	0.0
olvi100*	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	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0
LAB*LABd	95.41	0.0	0.0
LAB*LABe	95.41	0.0	0.0
LAB*LABf	95.41	0.0	0.0
LAB*LABg	95.41	0.0	0.0
LAB*LABh	95.41	0.0	0.0
LAB*LABi	95.41	0.0	0.0
LAB*LABj	95.41	0.0	0.0
LAB*LABk	95.41	0.0	0.0
LAB*LABl	95.41	0.0	0.0
LAB*LABm	95.41	0.0	0.0
LAB*LABn	95.41	0.0	0.0
LAB*LABo	95.41	0.0	0.0
LAB*LABp	95.41	0.0	0.0
LAB*LABq	95.41	0.0	0.0
LAB*LABr	95.41	0.0	0.0
LAB*LABs	95.41	0.0	0.0
LAB*LABt	95.41	0.0	0.0
LAB*LABu	95.41	0.0	0.0
LAB*LABv	95.41	0.0	0.0
LAB*LABw	95.41	0.0	0.0
LAB*LABx	95.41	0.0	0.0
LAB*LABy	95.41	0.0	0.0
LAB*LABz	95.41	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0
LAB*LABd	95.41	0.0	0.0
LAB*LABe	95.41	0.0	0.0
LAB*LABf	95.41	0.0	0.0
LAB*LABg	95.41	0.0	0.0
LAB*LABh	95.41	0.0	0.0
LAB*LABi	95.41	0.0	0.0
LAB*LABj	95.41	0.0	0.0
LAB*LABk	95.41	0.0	0.0
LAB*LABl	95.41	0.0	0.0
LAB*LABm	95.41	0.0	0.0
LAB*LABn	95.41	0.0	0.0
LAB*LABo	95.41	0.0	0.0
LAB*LABp	95.41	0.0	0.0
LAB*LABq	95.41	0.0	0.0
LAB*LABr	95.41	0.0	0.0
LAB*LABs	95.41	0.0	0.0
LAB*LABt	95.41	0.0	0.0
LAB*LABu	95.41	0.0	0.0
LAB*LABv	95.41	0.0	0.0
LAB*LABw	95.41	0.0	0.0
LAB*LABx	95.41	0.0	0.0
LAB*LABy	95.41	0.0	0.0
LAB*LABz	95.41	0.0	0.0

relative Inform. Technology (IT)			
olvi3*	0.0	1.0	0.653 (1.0)
cmyn3*	1.0	0.0	0.347 (0.0)
olvi4*	0.0	1.0	0.653 (1.0)
cmyn4*	1.0	0.0	0.347 (0.0)
standard and adapted CIELAB			
LAB*LAB	85.74	-58.84	18.87
LAB*LABa	85.74	-58.84	18.87

Input: Colorimetric Television Luminous System TLS00

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

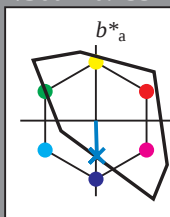
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



% Gamut

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)

olvi3*	1.0	1.0	1.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	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 Inform. Technology (IT)

olvi3*	0.75	0.903	1.0	(1.0)
olvi3*	0.25	0.097	0.0	(0.0)
olvi4*	0.75	0.903	1.0	(1.0)
olvi4*	0.25	0.097	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

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)

olvi3*	0.92	0.007	-0.249
olvi3*	0.875	0.25	0.755
olvi3*	0.875	0.25	0.755
olvi3*	0.875	0.25	0.755
olvi3*	0.875	0.25	0.755
olvi3*	0.875	0.25	0.755

standard and adapted CIELAB

LAB*LAB	71.57	0.0	-0.249
LAB*LAB	71.57	0.0	-0.249
LAB*LAB	71.57	0.0	-0.249
LAB*LAB	71.57	0.0	-0.249

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	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	76.06	-0.61	3.44
LAB*LAB	76.06	-0.61	3.44

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.5	0.5	0.5	(1.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	-0.61	3.44

1.00

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	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	76.06	-0.61	3.44
LAB*LAB	76.06	-0.61	3.44

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.5	0.5	0.5	(1.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	-0.61	3.44

relative Inform. Technology (IT)

olvi3*	0.5	0.622	0.75	(1.0)
olvi3*	0.5	0.378	0.25	(0.0)
olvi4*	0.75	0.872	1.0	(0.75)
olvi4*	0.25	0.128	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17

relative Inform. Technology (IT)

olvi3*	0.5	0.622	0.75	(1.0)
olvi3*	0.5	0.378	0.25	(0.0)
olvi4*	0.75	0.872	1.0	(0.75)
olvi4*	0.25	0.128	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17

relative Inform. Technology (IT)

olvi3*	0.5	0.622	0.75	(1.0)
olvi3*	0.5	0.378	0.25	(0.0)
olvi4*	0.75	0.872	1.0	(0.75)
olvi4*	0.25	0.128	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	-0.249
LAB*LAB	71.57	0.0	-0.249
LAB*LAB	71.57	0.0	-0.249
LAB*LAB	71.57	0.0	-0.249

relative Inform. Technology (IT)

olvi3*	0.75	0.903	1.0	(1.0)
olvi3*	0.25	0.097	0.0	(0.0)
olvi4*	0.75	0.903	1.0	(1.0)
olvi4*	0.25	0.097	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

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)

olvi3*	0.92	0.007	-0.249
olvi3*	0.875	0.25	0.755
olvi3*	0.875	0.25	0.755
olvi3*	0.875	0.25	0.755
olvi3*	0.875	0.25	0.755
olvi3*	0.875	0.25	0.755

standard and adapted CIELAB

LAB*LAB	71.57	0.0	-0.249
LAB*LAB	71.57	0.0	-0.249
LAB*LAB	71.57	0.0	-0.249
LAB*LAB	71.57	0.0	-0.249

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	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	76.06	-0.61	3.44
LAB*LAB	76.06	-0.61	3.44

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.5	0.5	0.5	(1.0)

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	-0.61	3.44

relative Inform. Technology (IT)

olvi3*	0.5	0.622	0.75	(1.0)
olvi3*	0.5	0.378	0.25	(0.0)
olvi4*	0.75	0.872	1.0	(0.75)
olvi4*	0.25	0.128	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17

relative Inform. Technology (IT)

olvi3*	0.5	0.622	0.75	(1.0)
olvi3*	0.5	0.378	0.25	(0.0)
olvi4*	0.75	0.872	1.0	(0.75)
olvi4*	0.25	0.128	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17

relative Inform. Technology (IT)

olvi3*	0.5	0.622	0.75	(1.0)
olvi3*	0.5	0.378	0.25	(0.0)
olvi4*	0.75	0.872	1.0	(0.75)
olvi4*	0.25	0.128	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17

relative Inform. Technology (IT)

olvi3*	0.5	0.622	0.75	(1.0)
olvi3*	0.5	0.378	0.25	(0.0)
olvi4*	0.75	0.872	1.0	(0.75)
olvi4*	0.25	0.128	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17

relative Inform. Technology (IT)

olvi3*	0.5	0.622	0.75	(1.0)
olvi3*	0.5	0.378	0.25	(0.0)
olvi4*	0.75	0.872	1.0	(0.75)
olvi4*	0.25	0.128	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17
LAB*LAB	62.65	0.27	-11.17

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	71.57	0.0	-0.249
LAB*LAB	71.57	0.0	-0.249
LAB*LAB	71.57	0.0	-0.249
LAB*LAB	71.57	0.0	-0.249

relative Inform. Technology (IT)

olvi3*	0.75	0.903	1.0	(1.0)
olvi3*	0.25	0.097	0.0	(0.0)
olvi4*	0.75	0.903	1.0	(1.0)
olvi4*	0.25	0.097	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	87.77	0.36	-1
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