

BAM registration: 20060101-OE59/10L/L59E00FP.PS/.PDF BAM material: code=rh4ta

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab \cdot h = 107/360 = 0.298$

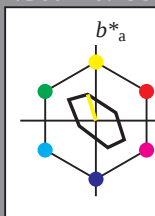
$lab \cdot tch$ and $lab \cdot nch$

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*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*tch	0.0	1.0	0.0
lab*nch	0.0	0.0	1.0

relative Natural Colour (NC)

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

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	0.75
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

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

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.0	0.75	0.0
lab*nch	0.0	0.0	0.75

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.0	0.75	0.0
lab*nce	0.0	0.0	0.75

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(0.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LAB	82.56	0.0	0.0
LAB*LAB	82.56	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.0	0.5	0.0
lab*nch	0.0	0.0	0.5

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.0	0.5	0.0
lab*nce	0.0	0.0	0.5

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	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LAB	76.13	0.0	0.0
LAB*LAB	76.13	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.0	0.25	0.0
lab*nch	0.0	0.0	0.25

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.0	0.25	0.0
lab*nce	0.0	0.0	0.25

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	69.0	0.0	0.0
LAB*LAB	69.0	0.0	0.0
LAB*LAB	69.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	1.0	0.0
lab*nch	0.0	0.0	1.0

relative Natural Colour (NC)

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

OE590-7, 5 step scales for constant CIELAB hue 107/360 = 0.298 (left)

BAM-test chart OE59; Colorimetric systems TLS70 & TLS70

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

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab \cdot h = 107/360 = 0.298$

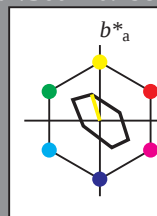
$lab \cdot tch$ and $lab \cdot nch$

D65: hue Y

LCH*Ma: 94 36 107

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*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*tch	0.0	1.0	0.0
lab*nch	0.0	0.0	1.0

relative Natural Colour (NC)

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

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	0.75
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

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

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	0.0	0.75	0.0
lab*nch	0.0	0.0	0.75

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*tce	0.0	0.75	0.0
lab*nce	0.0	0.0	0.75

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(0.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LAB	82.56	0.0	0.0
LAB*LAB	82.56	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.0	0.5	0.0
lab*nch	0.0	0.0	0.5

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*tce	0.0	0.5	0.0
lab*nce	0.0	0.0	0.5

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	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LAB	76.13	0.0	0.0
LAB*LAB	76.13	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.0	0.25	0.0
lab*nch	0.0	0.0	0.25

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.0	0.25	0.0
lab*nce	0.0	0.0	0.25

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0

standard and adapted CIELAB

LAB*LAB	69.0	0.0	0.0
LAB*LAB	69.0	0.0	0.0
LAB*LAB	69.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	1.0	0.0
lab*nch	0.0	0.0	1.0

relative Natural Colour (NC)

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

5 step scales for constant CIELAB hue 107/360 = 0.298 (right)

input: $cm y 0^* \text{ set } cm y k \text{ color}$

output: $cm y 0^* / 000 n^* \text{ set } cm y k \text{ color}$

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab \cdot h = 142/360 = 0.395$

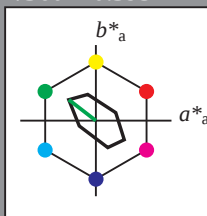
$lab \cdot tch$ and $lab \cdot nch$

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



TLS70; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.5	0.5	0.5	(0.0)
olv6*	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	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.5	0.5	0.5	(0.0)
olv6*	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	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.5	0.5	0.5	(0.0)
olv6*	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	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.5	0.5	0.5	(0.0)
olv6*	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	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.5	0.5	0.5	(0.0)
olv6*	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	95.41	0.0	0.0

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab \cdot h = 142/360 = 0.395$

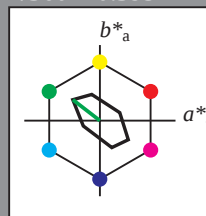
$lab \cdot tch$ and $lab \cdot nch$

D65: hue L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



TLS70; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.5	0.5	0.5	(0.0)
olv6*	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	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.5	0.5	0.5	(0.0)
olv6*	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	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.5	0.5	0.5	(0.0)
olv6*	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	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.5	0.5	0.5	(0.0)
olv6*	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	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.5	0.5	0.5	(0.0)
olv6*	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	95.41	0.0	0.0

OE590-7, 5 step scales for constant CIELAB hue 142/360 = 0.395 (left)

5 step scales for constant CIELAB hue 142/360 = 0.395 (right)

BAM-test chart OE59; Colorimetric systems TLS70 & TLS70

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

input: `cmv0* setcmvcolor`

output: `cmv0* / 000n* setcmvcolor`

Input: Colorimetric Television Luminous System TLS70

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

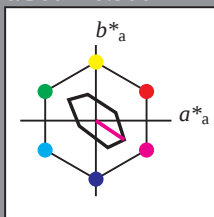
$lab \cdot tch$ and $lab \cdot nch$

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	0.0	1.0	0.0
lab*nch	0.0	0.0	1.0

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	1.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.00	0.0	0.0

relative CIELAB lab*

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

relative Natural Colour (NC)

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*LABb	50.00	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.5	0.5	(0.0)
lab*tch	0.5	0.5	0.5	(0.0)
lab*nch	0.5	0.5	0.5	(0.0)

relative Natural Colour (NC)

lab*trj	0.5	0.5	0.5	(0.0)
lab*tce	0.5	0.5	0.5	(0.0)
lab*nce	0.5	0.5	0.5	(0.0)

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	25.00	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.25	0.25	(1.0)
lab*tch	0.25	0.25	0.25	(0.0)
lab*nch	0.25	0.25	0.25	(0.0)

relative Natural Colour (NC)

lab*trj	0.25	0.25	0.25	(1.0)
lab*tce	0.25	0.25	0.25	(0.0)
lab*nce	0.25	0.25	0.25	(0.0)

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*tch	0.0	0.0	0.0	(0.0)
lab*nch	0.0	0.0	0.0	(0.0)

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	(1.0)
lab*tce	0.0	0.0	0.0	(0.0)
lab*nce	0.0	0.0	0.0	(0.0)

OE590-7, 5 step scales for constant CIELAB hue 326/360 = 0.906 (left)

BAM-test chart OE59; Colorimetric systems TLS70 & TLS70

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

Output: Colorimetric Television Luminous System TLS70

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

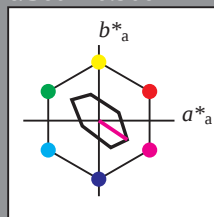
$lab \cdot tch$ and $lab \cdot nch$

D65: hue M

LCH*Ma: 79 45 326

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 16$

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	0.0	1.0	0.0
lab*nch	0.0	0.0	1.0

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	1.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	88.98	0.0	0.0
LAB*LABa	88.98	0.0	0.0
LAB*LABb	75.00	0.0	0.0

relative CIELAB lab*

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

relative Natural Colour (NC)

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LABa	82.56	0.0	0.0
LAB*LABb	50.00	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.5	0.5	(0.0)
lab*tch	0.5	0.5	0.5	(0.0)
lab*nch	0.5	0.5	0.5	(0.0)

relative Natural Colour (NC)

lab*trj	0.5	0.5	0.5	(0.0)
lab*tce	0.5	0.5	0.5	(0.0)
lab*nce	0.5	0.5	0.5	(0.0)

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LABa	76.13	0.0	0.0
LAB*LABb	25.00	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.25	0.25	(1.0)
lab*tch	0.25	0.25	0.25	(0.0)
lab*nch	0.25	0.25	0.25	(0.0)

relative Natural Colour (NC)

lab*trj	0.25	0.25	0.25	(1.0)
lab*tce	0.25	0.25	0.25	(0.0)
lab*nce	0.25	0.25	0.25	(0.0)

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	69.7	0.0	0.0
LAB*LABa	69.7	0.0	0.0
LAB*LABb	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*tch	0.0	0.0	0.0	(0.0)
lab*nch	0.0	0.0	0.0	(0.0)

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0	(1.0)
lab*tce	0.0	0.0	0.0	(0.0)
lab*nce	0.0	0.0	0.0	(0.0)

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

input: $cmv0^* \text{ setcmvcolor}$

output: $cmv0^* / 000n^* \text{ setcmvcolor}$

Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab \cdot h = 25/360 = 0.071$

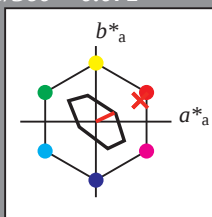
$lab \cdot tch$ and $lab \cdot nch$

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



relative Inform. Technology (IT)

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

olvi3*	1.0	0.762	0.75	(1.0)
olvi3*	0.0	0.238	0.25	(0.0)
olvi4*	1.0	0.762	0.75	(1.0)
olvi4*	0.0	0.238	0.25	(0.0)
olvi4*	0.0	0.238	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	90.87	6.13	2.92
LAB*LAB	90.87	6.13	2.92
LAB*LAB	90.87	6.13	2.92

relative Inform. Technology (IT)

olvi3*	1.0	0.762	0.75	(1.0)
olvi3*	0.0	0.238	0.25	(0.0)
olvi4*	1.0	0.762	0.75	(1.0)
olvi4*	0.0	0.238	0.25	(0.0)
olvi4*	0.0	0.238	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	90.87	6.13	2.92
LAB*LAB	90.87	6.13	2.92
LAB*LAB	90.87	6.13	2.92

relative Inform. Technology (IT)

olvi3*	1.0	0.762	0.75	(1.0)
olvi3*	0.0	0.238	0.25	(0.0)
olvi4*	1.0	0.762	0.75	(1.0)
olvi4*	0.0	0.238	0.25	(0.0)
olvi4*	0.0	0.238	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	90.87	6.13	2.92
LAB*LAB	90.87	6.13	2.92
LAB*LAB	90.87	6.13	2.92

relative Inform. Technology (IT)

olvi3*	1.0	0.762	0.75	(1.0)
olvi3*	0.0	0.238	0.25	(0.0)
olvi4*	1.0	0.762	0.75	(1.0)
olvi4*	0.0	0.238	0.25	(0.0)
olvi4*	0.0	0.238	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	90.87	6.13	2.92
LAB*LAB	90.87	6.13	2.92
LAB*LAB	90.87	6.13	2.92

Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab \cdot h = 25/360 = 0.071$

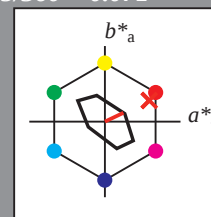
$lab \cdot tch$ and $lab \cdot nch$

D65: hue R

LCH*Ma: 77 27 25

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



relative Inform. Technology (IT)

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

olvi3*	1.0	0.762	0.75	(1.0)
olvi3*	0.0	0.238	0.25	(0.0)
olvi4*	1.0	0.762	0.75	(1.0)
olvi4*	0.0	0.238	0.25	(0.0)
olvi4*	0.0	0.238	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	90.87	6.13	2.92
LAB*LAB	90.87	6.13	2.92
LAB*LAB	90.87	6.13	2.92

relative Inform. Technology (IT)

olvi3*	1.0	0.762	0.75	(1.0)
olvi3*	0.0	0.238	0.25	(0.0)
olvi4*	1.0	0.762	0.75	(1.0)
olvi4*	0.0	0.238	0.25	(0.0)
olvi4*	0.0	0.238	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	90.87	6.13	2.92
LAB*LAB	90.87	6.13	2.92
LAB*LAB	90.87	6.13	2.92

relative Inform. Technology (IT)

olvi3*	1.0	0.762	0.75	(1.0)
olvi3*	0.0	0.238	0.25	(0.0)
olvi4*	1.0	0.762	0.75	(1.0)
olvi4*	0.0	0.238	0.25	(0.0)
olvi4*	0.0	0.238	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	90.87	6.13	2.92
LAB*LAB	90.87	6.13	2.92
LAB*LAB	90.87	6.13	2.92

relative Inform. Technology (IT)

olvi3*	1.0	0.762	0.75	(1.0)
olvi3*	0.0	0.238	0.25	(0.0)
olvi4*	1.0	0.762	0.75	(1.0)
olvi4*	0.0	0.238	0.25	(0.0)
olvi4*	0.0	0.238	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	90.87	6.13	2.92
LAB*LAB	90.87	6.13	2.92
LAB*LAB	90.87	6.13	2.92

OE590-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

BAM-test chart OE59; Colorimetric systems TLS70 & TLS70

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

input: $cmv0^* \text{ setcmvcolor}$

output: $cmv0^* / 000n^* \text{ setcmvcolor}$

Input: Colorimetric Television Luminous System TLS70

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

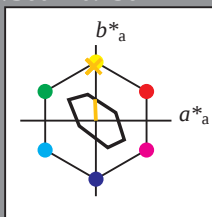
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness t^*



TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

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

relative Inform. Technology (IT)

olv3*	1.0	0.935	0.75	(1.0)
olv3*	0.0	0.065	0.25	(0.0)
olv4*	1.0	0.935	0.75	(1.0)
olv4*	0.0	0.065	0.25	(0.0)
olv4*	0.0	0.065	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	93.9	-28	7.09
LAB*LAB	93.9	-28	7.09
LAB*LAB	93.9	-28	7.09

relative Inform. Technology (IT)

olv3*	1.0	0.875	0.5	(1.0)
olv3*	0.0	0.125	0.5	(0.0)
olv4*	1.0	0.875	0.5	(1.0)
olv4*	0.0	0.125	0.5	(0.0)
olv4*	0.0	0.125	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	92.4	-57	14.19
LAB*LAB	92.4	-57	14.19
LAB*LAB	92.4	-57	14.19

relative Inform. Technology (IT)

olv3*	1.0	0.805	0.25	(1.0)
olv3*	0.0	0.195	0.75	(0.0)
olv4*	1.0	0.805	0.25	(1.0)
olv4*	0.0	0.195	0.75	(0.0)
olv4*	0.0	0.195	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	90.89	-85	21.28
LAB*LAB	90.89	-85	21.28
LAB*LAB	90.89	-85	21.28

relative Inform. Technology (IT)

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

standard and adapted CIELAB

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

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

relative Inform. Technology (IT)

olv3*	0.75	0.685	0.5	(1.0)
olv3*	0.25	0.315	0.5	(0.0)
olv4*	1.0	0.935	0.75	(1.0)
olv4*	0.0	0.065	0.25	(0.0)
olv4*	0.0	0.065	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	87.48	-28	7.09
LAB*LAB	87.48	-28	7.09
LAB*LAB	87.48	-28	7.09

relative Inform. Technology (IT)

olv3*	0.75	0.625	0.25	(1.0)
olv3*	0.25	0.375	0.75	(0.0)
olv4*	1.0	0.875	0.5	(1.0)
olv4*	0.0	0.125	0.5	(0.0)
olv4*	0.0	0.125	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	85.97	-56	14.19
LAB*LAB	85.97	-56	14.19
LAB*LAB	85.97	-56	14.19

relative Inform. Technology (IT)

olv3*	0.75	0.555	0.0	(1.0)
olv3*	0.25	0.445	0.0	(0.0)
olv4*	1.0	0.805	0.25	(1.0)
olv4*	0.0	0.195	0.75	(0.0)
olv4*	0.0	0.195	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	84.46	-85	21.28
LAB*LAB	84.46	-85	21.28
LAB*LAB	84.46	-85	21.28

relative Inform. Technology (IT)

olv3*	0.75	0.5	0.0	(1.0)
olv3*	0.25	0.5	0.0	(0.0)
olv4*	1.0	0.75	0.0	(1.0)
olv4*	0.0	0.25	0.0	(0.0)
olv4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	83.98	-114	28.37
LAB*LAB	83.98	-114	28.37
LAB*LAB	83.98	-114	28.37

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	82.56	0.0	0.0
LAB*LAB	82.56	0.0	0.0
LAB*LAB	82.56	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.5	0.435	0.25	(1.0)
olv3*	0.5	0.565	0.75	(0.0)
olv4*	1.0	0.935	0.75	(1.0)
olv4*	0.0	0.065	0.25	(0.0)
olv4*	0.0	0.065	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	81.05	-28	7.09
LAB*LAB	81.05	-28	7.09
LAB*LAB	81.05	-28	7.09

relative Inform. Technology (IT)

olv3*	0.5	0.37	0.0	(1.0)
olv3*	0.5	0.63	0.0	(0.0)
olv4*	1.0	0.875	0.5	(1.0)
olv4*	0.0	0.125	0.5	(0.0)
olv4*	0.0	0.125	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	79.54	-56	14.19
LAB*LAB	79.54	-56	14.19
LAB*LAB	79.54	-56	14.19

relative Inform. Technology (IT)

olv3*	0.5	0.305	0.0	(1.0)
olv3*	0.5	0.695	0.0	(0.0)
olv4*	1.0	0.805	0.25	(1.0)
olv4*	0.0	0.195	0.75	(0.0)
olv4*	0.0	0.195	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	78.51	-85	21.28
LAB*LAB	78.51	-85	21.28
LAB*LAB	78.51	-85	21.28

relative Inform. Technology (IT)

olv3*	0.5	0.25	0.0	(1.0)
olv3*	0.5	0.75	0.0	(0.0)
olv4*	1.0	0.75	0.0	(1.0)
olv4*	0.0	0.25	0.0	(0.0)
olv4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	77.00	0.0	0.0
LAB*LAB	77.00	0.0	0.0
LAB*LAB	77.00	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.13	0.0	0.0
LAB*LAB	76.13	0.0	0.0
LAB*LAB	76.13	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.25	0.185	0.0	(1.0)
olv3*	0.75	0.815	0.0	(0.0)
olv4*	1.0	0.935	0.75	(1.0)
olv4*	0.0	0.065	0.25	(0.0)
olv4*	0.0	0.065	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	74.62	-28	7.09
LAB*LAB	74.62	-28	7.09
LAB*LAB	74.62	-28	7.09

relative Inform. Technology (IT)

olv3*	0.25	0.13	0.0	(1.0)
olv3*	0.75	0.87	0.0	(0.0)
olv4*	1.0	0.875	0.5	(1.0)
olv4*	0.0	0.125	0.5	(0.0)
olv4*	0.0	0.125	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	73.14	-56	14.19
LAB*LAB	73.14	-56	14.19
LAB*LAB	73.14	-56	14.19

relative Inform. Technology (IT)

olv3*	0.25	0.085	0.0	(1.0)
olv3*	0.75	0.915	0.0	(0.0)
olv4*	1.0	0.805	0.25	(1.0)
olv4*	0.0	0.195	0.75	(0.0)
olv4*	0.0	0.195	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	71.65	-85	21.28
LAB*LAB	71.65	-85	21.28
LAB*LAB	71.65	-85	21.28

relative Inform. Technology (IT)

olv3*	0.25	0.05	0.0	(1.0)
olv3*	0.75	0.95	0.0	(0.0)
olv4*	1.0	0.75	0.0	(1.0)
olv4*	0.0	0.25	0.0	(0.0)
olv4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	70.16	0.0	0.0
LAB*LAB	70.16	0.0	0.0
LAB*LAB	70.16	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.25	0.025	0.0	(1.0)
olv3*	0.75	0.975	0.0	(0.0)
olv4*	1.0	0.75	0.0	(1.0)
olv4*	0.0	0.25	0.0	(0.0)
olv4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	68.67	0.0	0.0
LAB*LAB	68.67	0.0	0.0
LAB*LAB	68.67	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.25	0.015	0.0	(1.0)
olv3*	0.75	0.985	0.0	(0.0)
olv4*	1.0	0.875	0.5	(1.0)
olv4*	0.0	0.125	0.5	(0.0)
olv4*	0.0	0.125	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	67.18	-28	7.09
LAB*LAB	67.18	-28	7.09
LAB*LAB	67.18	-28	7.09

relative Inform. Technology (IT)

olv3*	0.25	0.005	0.0	(1.0)
olv3*	0.75	0.995	0.0	(0.0)
olv4*	1.0	0.875	0.5	(1.0)
olv4*	0.0	0.125	0.5	(0.0)
olv4*	0.0	0.125	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	65.69	-56	14.19
LAB*LAB	65.69	-56	14.19
LAB*LAB	65.69	-56	14.19

relative Inform. Technology (IT)

olv3*	0.25	0.005	0.0	(1.0)
olv3*	0.75	0.995	0.0	(0.0)
olv4*	1.0	0.805	0.25	(1.0)
olv4*	0.0	0.195	0.75	(0.0)
olv4*	0.0	0.195	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	64.20	-85	21.28
LAB*LAB	64.20	-85	21.28
LAB*LAB	64.20	-85	21.28

relative Inform. Technology (IT)

olv3*	0.25	0.005	0.0	(1.0)
olv3*	0.75	0.995	0.0	(0.0)
olv4*	1.0	0.75	0.0	(1.0)
olv4*	0.0	0.25	0.0	(0.0)
olv4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.71	0.0	0.0
LAB*LAB	62.71	0.0	0.0
LAB*LAB	62.71	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.25	0.005	0.0	(1.0)
olv3*	0.75	0.995	0.0	(0.0)
olv4*	1.0	0.75	0.0	(1.0)
olv4*	0.0	0.25	0.0	(0.0)
olv4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	61.22	0.0	0.0
LAB*LAB	61.22	0.0	0.0
LAB*LAB	61.22	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.25	0.005	0.0	(1.0)
olv3*	0.75	0.995	0.0	(0.0)
olv4*	1.0	0.875	0.5	(1.0)
olv4*	0.0	0.125	0.5	(0.0)
olv4*	0.0	0.125	0.5	(0.0)

standard and adapted CIELAB

Input: Colorimetric Television Luminous System TLS70

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

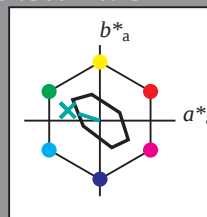
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

ol v^* Ma: 0.0 1.0 0.53

triangle lightness t^*



$u^*_{rel} = 16$

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

relative CIELAB lab*

lab*lab	0.949	-0.237	0.076
lab*lab	0.875	0.25	0.451
lab*lab	0.0	0.25	0.451
lab*lab	0.0	0.25	0.451

relative Natural Colour (NC)

lab*lab	0.949	-0.237	0.076
lab*lab	0.875	0.25	0.451
lab*lab	0.0	0.25	0.451
lab*lab	0.0	0.25	0.451

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	82.56	0.0	0.0
LAB*LAB	82.56	0.0	0.0
LAB*LAB	82.56	0.0	0.0
LAB*LAB	82.56	0.0	0.0

relative CIELAB lab*

lab*lab	0.699	-0.249	0.0
lab*lab	0.625	0.25	0.3
lab*lab	0.0	0.25	0.3
lab*lab	0.0	0.25	0.3

relative Natural Colour (NC)

lab*lab	0.699	-0.249	0.0
lab*lab	0.625	0.25	0.3
lab*lab	0.0	0.25	0.3
lab*lab	0.0	0.25	0.3

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	76.13	0.0	0.0
LAB*LAB	76.13	0.0	0.0
LAB*LAB	76.13	0.0	0.0
LAB*LAB	76.13	0.0	0.0

relative CIELAB lab*

lab*lab	0.449	-0.237	0.076
lab*lab	0.375	0.25	0.451
lab*lab	0.0	0.25	0.451
lab*lab	0.0	0.25	0.451

relative Natural Colour (NC)

lab*lab	0.449	-0.237	0.076
lab*lab	0.375	0.25	0.451
lab*lab	0.0	0.25	0.451
lab*lab	0.0	0.25	0.451

relative Inform. Technology (IT)

ol v^*	0.0	0.0	0.0	(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	69.7	0.0	0.0
LAB*LAB	69.7	0.0	0.0
LAB*LAB	69.7	0.0	0.0
LAB*LAB	69.7	0.0	0.0

relative CIELAB lab*

lab*lab	0.199	-0.237	0.076
lab*lab	0.125	0.25	0.451
lab*lab	0.0	0.25	0.451
lab*lab	0.0	0.25	0.451

relative Natural Colour (NC)

lab*lab	0.199	-0.237	0.076
lab*lab	0.125	0.25	0.451
lab*lab	0.0	0.25	0.451
lab*lab	0.0	0.25	0.451

relative Inform. Technology (IT)

ol v^*	0.0	0.0	0.0	(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	69.7	0.0	0.0
LAB*LAB	69.7	0.0	0.0
LAB*LAB	69.7	0.0	0.0
LAB*LAB	69.7	0.0	0.0

relative CIELAB lab*

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

relative Natural Colour (NC)

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

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O $_{Ma}$	76.43	26.27	10.57	28.32	22
Y $_{Ma}$	93.93	-10.76	34.63	36.27	107
L $_{Ma}$	89.32	-35.8	27.64	45.24	142
C $_{Ma}$	90.93	-21.95	-7.07	23.07	198
V $_{Ma}$	72.1	15.76	-35.63	38.97	294
M $_{Ma}$	78.5	37.52	-25.23	45.22	326
N $_{Ma}$	69.7	0.0	0.0	0.0	0
W $_{Ma}$	95.41	0.0	0.0	0.0	0
R $_{CIE}$	39.92	58.74	27.99	65.07	25
J $_{CIE}$	81.26	-2.88	71.56	71.62	92
G $_{CIE}$	52.23	-42.41	13.6	44.55	162
B $_{CIE}$	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

relative Inform. Technology (IT)

ol v^*	0.5	1.0	0.65	(1.0)
ol v^*	0.25	0.5	0.325	(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	92.79	-14.2	4.55
LAB*LAB	92.79	-14.2	4.55
LAB*LAB	92.79	-14.2	4.55
LAB*LAB	92.79	-14.2	4.55

relative CIELAB lab*

lab*lab	0.898	-0.475	0.153
lab*lab	0.75	0.5	0.451
lab*lab	0.0	0.5	0.451
lab*lab	0.0	0.5	0.451

relative Natural Colour (NC)

lab*lab	0.898	-0.475	0.153
lab*lab	0.75	0.5	0.451
lab*lab	0.0	0.5	0.451
lab*lab	0.0	0.5	0.451

relative Inform. Technology (IT)

ol v^*	0.25	0.75	0.517	(1.0)
ol v^*	0.75	0.25	0.483	(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	86.37	-14.2	4.56
LAB*LAB	86.37	-14.2	4.56
LAB*LAB	86.37	-14.2	4.56
LAB*LAB	86.37	-14.2	4.56

relative CIELAB lab*

lab*lab	0.847	-0.713	0.229
lab*lab	0.625	0.75	0.451
lab*lab	0.0	0.75	0.451
lab*lab	0.0	0.75	0.451

relative Natural Colour (NC)

lab*lab	0.847	-0.713	0.229
lab*lab	0.625	0.75	0.451
lab*lab	0.0	0.75	0.451
lab*lab	0.0	0.75	0.451

relative Inform. Technology (IT)

ol v^*	0.0	0.75	0.4	(1.0)
ol v^*	0.25	0.0	0.466	(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	90.18	-28.4	9.11
LAB*LAB	90.18	-28.4	9.11
LAB*LAB	90.18	-28.4	9.11
LAB*LAB	90.18	-28.4	9.11

relative CIELAB lab*

lab*lab	0.796	-0.951	0.305
lab*lab	0.5	1.0	0.451
lab*lab	0.0	1.0	0.451
lab*lab	0.0	1.0	0.451

relative Natural Colour (NC)

lab*lab	0.796	-0.951	0.305
lab*lab	0.5	1.0	0.451
lab*lab	0.0	1.0	0.451
lab*lab	0.0	1.0	0.451

relative Inform. Technology (IT)

ol v^*	0.0	0.5	0.617	(1.0)
ol v^*	0.25	0.0	0.683	(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	85.06	-21.3	6.83
LAB*LAB	85.06	-21.3	6.83
LAB*LAB	85.06	-21.3	6.83
LAB*LAB	85.06	-21.3	6.83

relative CIELAB lab*

lab*lab	0.597	-0.713	0.229
lab*lab	0.375	0.75	0.451
lab*lab	0.0	0.75	0.451
lab*lab	0.0	0.75	0.451

relative Natural Colour (NC)

lab*lab	0.597	-0.713	0.229
lab*lab	0.375	0.75	0.451
lab*lab	0.0	0.75	0.451
lab*lab	0.0	0.75	0.451

relative Inform. Technology (IT)

ol v^*	0.0	0.5	0.617	(1.0)
ol v^*	0.25	0.0	0.683	(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	79.94	-14.2	4.56
LAB*LAB	79.94	-14.2	4.56
LAB*LAB	79.94	-14.2	4.56
LAB*LAB	79.94	-14.2	4.56

relative CIELAB lab*

lab*lab	0.398	-0.475	0.153
lab*lab	0.25	0.5	0.451
lab*lab	0.0	0.5	0.451
lab*lab	0.0	0.5	0.451

relative Natural Colour (NC)

lab*lab	0.398	-0.475	0.153
lab*lab	0.25	0.5	0.451
lab*lab	0.0	0.5	0.451
lab*lab	0.0	0.5	0.451

Output: Colorimetric Television Luminous System TLS70

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

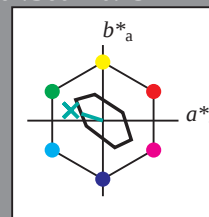
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

ol v^* Ma: 0.0 1.0 0.53

triangle lightness t^*



$u^*_{rel} = 16$

relative Inform. Technology (IT)

ol v^*	1.0	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)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	0.75
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	88.98	0.0	0.0	
LAB*LABa	88.98	0.0	0.0	

Input: Colorimetric Television Luminous System TLS70

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

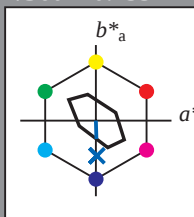
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 80 24 272

olv*Ma: 0.0 0.4 1.0

triangle lightness t^*



TLS70; adapted (a) CIELAB data

	$L^*=L_a$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.75 0.75 0.75 (1.0)
olv5*	0.75 0.75 0.75 (1.0)
olv6*	0.75 0.75 0.75 (1.0)
olv7*	0.75 0.75 0.75 (1.0)
olv8*	0.75 0.75 0.75 (1.0)
olv9*	0.75 0.75 0.75 (1.0)
olv10*	0.75 0.75 0.75 (1.0)
olv11*	0.75 0.75 0.75 (1.0)
olv12*	0.75 0.75 0.75 (1.0)
olv13*	0.75 0.75 0.75 (1.0)
olv14*	0.75 0.75 0.75 (1.0)
olv15*	0.75 0.75 0.75 (1.0)
olv16*	0.75 0.75 0.75 (1.0)
olv17*	0.75 0.75 0.75 (1.0)
olv18*	0.75 0.75 0.75 (1.0)
olv19*	0.75 0.75 0.75 (1.0)
olv20*	0.75 0.75 0.75 (1.0)
olv21*	0.75 0.75 0.75 (1.0)
olv22*	0.75 0.75 0.75 (1.0)
olv23*	0.75 0.75 0.75 (1.0)
olv24*	0.75 0.75 0.75 (1.0)
olv25*	0.75 0.75 0.75 (1.0)
olv26*	0.75 0.75 0.75 (1.0)
olv27*	0.75 0.75 0.75 (1.0)
olv28*	0.75 0.75 0.75 (1.0)
olv29*	0.75 0.75 0.75 (1.0)
olv30*	0.75 0.75 0.75 (1.0)
olv31*	0.75 0.75 0.75 (1.0)
olv32*	0.75 0.75 0.75 (1.0)
olv33*	0.75 0.75 0.75 (1.0)
olv34*	0.75 0.75 0.75 (1.0)
olv35*	0.75 0.75 0.75 (1.0)
olv36*	0.75 0.75 0.75 (1.0)
olv37*	0.75 0.75 0.75 (1.0)
olv38*	0.75 0.75 0.75 (1.0)
olv39*	0.75 0.75 0.75 (1.0)
olv40*	0.75 0.75 0.75 (1.0)
olv41*	0.75 0.75 0.75 (1.0)
olv42*	0.75 0.75 0.75 (1.0)
olv43*	0.75 0.75 0.75 (1.0)
olv44*	0.75 0.75 0.75 (1.0)
olv45*	0.75 0.75 0.75 (1.0)
olv46*	0.75 0.75 0.75 (1.0)
olv47*	0.75 0.75 0.75 (1.0)
olv48*	0.75 0.75 0.75 (1.0)
olv49*	0.75 0.75 0.75 (1.0)
olv50*	0.75 0.75 0.75 (1.0)
olv51*	0.75 0.75 0.75 (1.0)
olv52*	0.75 0.75 0.75 (1.0)
olv53*	0.75 0.75 0.75 (1.0)
olv54*	0.75 0.75 0.75 (1.0)
olv55*	0.75 0.75 0.75 (1.0)
olv56*	0.75 0.75 0.75 (1.0)
olv57*	0.75 0.75 0.75 (1.0)
olv58*	0.75 0.75 0.75 (1.0)
olv59*	0.75 0.75 0.75 (1.0)
olv60*	0.75 0.75 0.75 (1.0)
olv61*	0.75 0.75 0.75 (1.0)
olv62*	0.75 0.75 0.75 (1.0)
olv63*	0.75 0.75 0.75 (1.0)
olv64*	0.75 0.75 0.75 (1.0)
olv65*	0.75 0.75 0.75 (1.0)
olv66*	0.75 0.75 0.75 (1.0)
olv67*	0.75 0.75 0.75 (1.0)
olv68*	0.75 0.75 0.75 (1.0)
olv69*	0.75 0.75 0.75 (1.0)
olv70*	0.75 0.75 0.75 (1.0)
olv71*	0.75 0.75 0.75 (1.0)
olv72*	0.75 0.75 0.75 (1.0)
olv73*	0.75 0.75 0.75 (1.0)
olv74*	0.75 0.75 0.75 (1.0)
olv75*	0.75 0.75 0.75 (1.0)
olv76*	0.75 0.75 0.75 (1.0)
olv77*	0.75 0.75 0.75 (1.0)
olv78*	0.75 0.75 0.75 (1.0)
olv79*	0.75 0.75 0.75 (1.0)
olv80*	0.75 0.75 0.75 (1.0)
olv81*	0.75 0.75 0.75 (1.0)
olv82*	0.75 0.75 0.75 (1.0)
olv83*	0.75 0.75 0.75 (1.0)
olv84*	0.75 0.75 0.75 (1.0)
olv85*	0.75 0.75 0.75 (1.0)
olv86*	0.75 0.75 0.75 (1.0)
olv87*	0.75 0.75 0.75 (1.0)
olv88*	0.75 0.75 0.75 (1.0)
olv89*	0.75 0.75 0.75 (1.0)
olv90*	0.75 0.75 0.75 (1.0)
olv91*	0.75 0.75 0.75 (1.0)
olv92*	0.75 0.75 0.75 (1.0)
olv93*	0.75 0.75 0.75 (1.0)
olv94*	0.75 0.75 0.75 (1.0)
olv95*	0.75 0.75 0.75 (1.0)
olv96*	0.75 0.75 0.75 (1.0)
olv97*	0.75 0.75 0.75 (1.0)
olv98*	0.75 0.75 0.75 (1.0)
olv99*	0.75 0.75 0.75 (1.0)
olv100*	0.75 0.75 0.75 (1.0)

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)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.75 0.75 0.75 (1.0)
olv5*	0.75 0.75 0.75 (1.0)
olv6*	0.75 0.75 0.75 (1.0)
olv7*	0.75 0.75 0.75 (1.0)
olv8*	0.75 0.75 0.75 (1.0)
olv9*	0.75 0.75 0.75 (1.0)
olv10*	0.75 0.75 0.75 (1.0)
olv11*	0.75 0.75 0.75 (1.0)
olv12*	0.75 0.75 0.75 (1.0)
olv13*	0.75 0.75 0.75 (1.0)
olv14*	0.75 0.75 0.75 (1.0)
olv15*	0.75 0.75 0.75 (1.0)
olv16*	0.75 0.75 0.75 (1.0)
olv17*	0.75 0.75 0.75 (1.0)
olv18*	0.75 0.75 0.75 (1.0)
olv19*	0.75 0.75 0.75 (1.0)
olv20*	0.75 0.75 0.75 (1.0)
olv21*	0.75 0.75 0.75 (1.0)
olv22*	0.75 0.75 0.75 (1.0)
olv23*	0.75 0.75 0.75 (1.0)
olv24*	0.75 0.75 0.75 (1.0)
olv25*	0.75 0.75 0.75 (1.0)
olv26*	0.75 0.75 0.75 (1.0)
olv27*	0.75 0.75 0.75 (1.0)
olv28*	0.75 0.75 0.75 (1.0)
olv29*	0.75 0.75 0.75 (1.0)
olv30*	0.75 0.75 0.75 (1.0)
olv31*	0.75 0.75 0.75 (1.0)
olv32*	0.75 0.75 0.75 (1.0)
olv33*	0.75 0.75 0.75 (1.0)
olv34*	0.75 0.75 0.75 (1.0)
olv35*	0.75 0.75 0.75 (1.0)
olv36*	0.75 0.75 0.75 (1.0)
olv37*	0.75 0.75 0.75 (1.0)
olv38*	0.75 0.75 0.75 (1.0)
olv39*	0.75 0.75 0.75 (1.0)
olv40*	0.75 0.75 0.75 (1.0)
olv41*	0.75 0.75 0.75 (1.0)
olv42*	0.75 0.75 0.75 (1.0)
olv43*	0.75 0.75 0.75 (1.0)
olv44*	0.75 0.75 0.75 (1.0)
olv45*	0.75 0.75 0.75 (1.0)
olv46*	0.75 0.75 0.75 (1.0)
olv47*	0.75 0.75 0.75 (1.0)
olv48*	0.75 0.75 0.75 (1.0)
olv49*	0.75 0.75 0.75 (1.0)
olv50*	0.75 0.75 0.75 (1.0)
olv51*	0.75 0.75 0.75 (1.0)
olv52*	0.75 0.75 0.75 (1.0)
olv53*	0.75 0.75 0.75 (1.0)
olv54*	0.75 0.75 0.75 (1.0)
olv55*	0.75 0.75 0.75 (1.0)
olv56*	0.75 0.75 0.75 (1.0)
olv57*	0.75 0.75 0.75 (1.0)
olv58*	0.75 0.75 0.75 (1.0)
olv59*	0.75 0.75 0.75 (1.0)
olv60*	0.75 0.75 0.75 (1.0)
olv61*	0.75 0.75 0.75 (1.0)
olv62*	0.75 0.75 0.75 (1.0)
olv63*	0.75 0.75 0.75 (1.0)
olv64*	0.75 0.75 0.75 (1.0)
olv65*	0.75 0.75 0.75 (1.0)
olv66*	0.75 0.75 0.75 (1.0)
olv67*	0.75 0.75 0.75 (1.0)
olv68*	0.75 0.75 0.75 (1.0)
olv69*	0.75 0.75 0.75 (1.0)
olv70*	0.75 0.75 0.75 (1.0)
olv71*	0.75 0.75 0.75 (1.0)
olv72*	0.75 0.75 0.75 (1.0)
olv73*	0.75 0.75 0.75 (1.0)
olv74*	0.75 0.75 0.75 (1.0)
olv75*	0.75 0.75 0.75 (1.0)
olv76*	0.75 0.75 0.75 (1.0)
olv77*	0.75 0.75 0.75 (1.0)
olv78*	0.75 0.75 0.75 (1.0)
olv79*	0.75 0.75 0.75 (1.0)
olv80*	0.75 0.75 0.75 (1.0)
olv81*	0.75 0.75 0.75 (1.0)
olv82*	0.75 0.75 0.75 (1.0)
olv83*	0.75 0.75 0.75 (1.0)
olv84*	0.75 0.75 0.75 (1.0)
olv85*	0.75 0.75 0.75 (1.0)
olv86*	0.75 0.75 0.75 (1.0)
olv87*	0.75 0.75 0.75 (1.0)
olv88*	0.75 0.75 0.75 (1.0)
olv89*	0.75 0.75 0.75 (1.0)
olv90*	0.75 0.75 0.75 (1.0)
olv91*	0.75 0.75 0.75 (1.0)
olv92*	0.75 0.75 0.75 (1.0)
olv93*	0.75 0.75 0.75 (1.0)
olv94*	0.75 0.75 0.75 (1.0)
olv95*	0.75 0.75 0.75 (1.0)
olv96*	0.75 0.75 0.75 (1.0)
olv97*	0.75 0.75 0.75 (1.0)
olv98*	0.75 0.75 0.75 (1.0)
olv99*	0.75 0.75 0.75 (1.0)
olv100*	0.75 0.75 0.75 (1.0)

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)				
olv3*	0.0	0.398	1.0	(1.0)
cmyn3*	1.0	0.602	0.0	(0.0)
olv4*	0.0	0.398	1.0	1.0
cmyn4*	1.0	0.602	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	79.6	0.74	-24.25	