

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

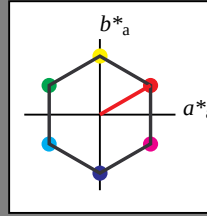
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.75	(1.0)
cmv3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.25	0.25	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
cmv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
cmv4*	0.0	0.5	0.5	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.25	0.25	(1.0)
cmv3*	0.0	0.75	0.75	(0.0)
olv4*	1.0	0.25	0.25	(1.0)
cmv4*	0.0	0.75	0.75	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
cmv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RC _{IE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

Output: Colorimetric Offset Reflective System ORS18

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

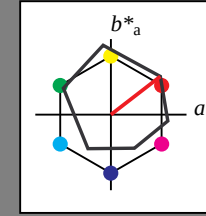
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.75	(1.0)
cmv3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.25	0.25	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
cmv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
cmv4*	0.0	0.5	0.5	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.25	0.25	(1.0)
cmv3*	0.0	0.75	0.75	(0.0)
olv4*	1.0	0.25	0.25	(1.0)
cmv4*	0.0	0.75	0.75	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
cmv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RC _{IE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

% Regularity

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

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

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.75	(1.0)
cmv3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.25	0.25	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
cmv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
cmv4*	0.0	0.5	0.5	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.25	0.25	(1.0)
cmv3*	0.0	0.75	0.75	(0.0)
olv4*	1.0	0.25	0.25	(1.0)
cmv4*	0.0	0.75	0.75	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
cmv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.75	(1.0)
cmv3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.25	0.25	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
cmv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
cmv4*	0.0	0.5	0.5	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.25	0.25	(1.0)
cmv3*	0.0	0.75	0.75	(0.0)
olv4*	1.0	0.25	0.25	(1.0)
cmv4*	0.0	0.75	0.75	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
cmv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.75	(1.0)
cmv3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.25	0.25	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
cmv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
cmv4*	0.0	0.5	0.5	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.25	0.25	(1.0)
cmv3*	0.0	0.75	0.75	(0.0)
olv4*	1.0	0.25	0.25	(1.0)
cmv4*	0.0	0.75	0.75	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
cmv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	1.0	1.0	(0.0)
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

LAB*LABa	32.98	32.69	25.25
LAB*TCha	25.01	41.31	37.69
relative CIELAB lab*			
lab*lab	0.193	0.396	0.306
lab*ich	0.25	0.5	0.105
lab*nch	0.5	0.5	0.105
relative Natural Colour (NC)			
lab*lrj	0.193	0.477	0.15
lab*ice	0.25	0.5	0.048

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$

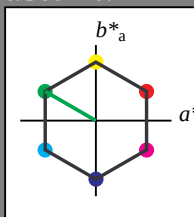
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



SRS18; adapted (a) CIELAB data

	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RC _{IE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

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	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olv4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	85.73	-16.74	9.67
LAB*LABa	85.73	-16.74	9.67
LAB*LABb	85.73	-16.74	9.67

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-33.5	19.35
LAB*LABa	76.06	-33.5	19.35
LAB*LABb	76.06	-33.5	19.35

relative Inform. Technology (IT)

olv3*	0.25	1.0	0.25	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olv4*	0.25	1.0	0.25	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	66.38	-50.26	29.02
LAB*LABa	66.38	-50.26	29.02
LAB*LABb	66.38	-50.26	29.02

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	-67.01	38.69
LAB*LABa	56.71	-67.01	38.69
LAB*LABb	56.71	-67.01	38.69

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	95.41	-0.98	4.75
LAB*LABa	95.41	-0.98	4.75
LAB*LABb	95.41	-0.98	4.75

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olv4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	84.28	-16.47	12.74
LAB*LABa	84.28	-16.47	12.74
LAB*LABb	84.28	-16.47	12.74

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-33.5	19.35
LAB*LABa	76.06	-33.5	19.35
LAB*LABb	76.06	-33.5	19.35

relative Inform. Technology (IT)

olv3*	0.25	1.0	0.25	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olv4*	0.25	1.0	0.25	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	66.38	-50.26	29.02
LAB*LABa	66.38	-50.26	29.02
LAB*LABb	66.38	-50.26	29.02

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	-67.01	38.69
LAB*LABa	56.71	-67.01	38.69
LAB*LABb	56.71	-67.01	38.69

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	76.07	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.5	0.75	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olv4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	66.39	-16.75	9.68
LAB*LABa	66.39	-16.75	9.68
LAB*LABb	66.39	-16.75	9.68

relative Inform. Technology (IT)

olv3*	0.25	0.75	0.25	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-33.5	19.35
LAB*LABa	56.71	-33.5	19.35
LAB*LABb	56.71	-33.5	19.35

relative Inform. Technology (IT)

olv3*	0.0	0.75	0.0	(1.0)
cmyn3*	0.0	0.25	0.0	(0.0)
olv4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.04	-50.26	29.02
LAB*LABa	47.04	-50.26	29.02
LAB*LABb	47.04	-50.26	29.02

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.51	-67.01	38.69
LAB*LABa	37.51	-67.01	38.69
LAB*LABb	37.51	-67.01	38.69

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	66.38	-50.26	29.02
LAB*LABa	66.38	-50.26	29.02
LAB*LABb	66.38	-50.26	29.02

relative Inform. Technology (IT)

olv3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	64.93	-16.1	11.44
LAB*LABa	64.93	-16.1	11.44
LAB*LABb	64.93	-16.1	11.44

relative Inform. Technology (IT)

olv3*	0.0	0.5	0.0	(1.0)
cmyn3*	0.0	0.25	0.0	(0.0)
olv4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-67.01	38.69
LAB*LABa	56.71	-67.01	38.69
LAB*LABb	56.71	-67.01	38.69

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-67.01	38.69
LAB*LABa	56.71	-67.01	38.69
LAB*LABb	56.71	-67.01	38.69

relative Inform. Technology (IT)

olv3*	0.0	0.25	0.0	(1.0)
cmyn3*	0.0	0.25	0.0	(0.0)
olv4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.04	-50.26	29.02
LAB*LABa	47.04	-50.26	29.02
LAB*LABb	47.04	-50.26	29.02

relative Inform. Technology (IT)

olv3*	0.75	0.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	56.72	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.5	0.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olv4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	47.04	-16.75	9.68
LAB*LABa	47.04	-16.75	9.68
LAB*LABb	47.04	-16.75	9.68

relative Inform. Technology (IT)

olv3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olv4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	37.51	-33.5	19.35
LAB*LABa	37.51	-33.5	19.35
LAB*LABb	37.51	-33.5	19.35

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	27.69	-16.74	9.67
LAB*LABa	27.69	-16.74	9.67
LAB*LABb	27.69	-16.74	9.67

relative Inform. Technology (IT)

olv3*	0.5	0.25	0.5	(1.0)
cmyn3*	0.5	0.125	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	66.38	-50.26	29.02
LAB*LABa	66.38	-50.26	29.02
LAB*LABb	66.38	-50.26	29.02

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-67.01	38.69
LAB*LABa	56.71	-67.01	38.69
LAB*LABb	56.71	-67.01	38.69

relative Inform. Technology (IT)

olv3*	0.0	0.25	0.0	(1.0)
cmyn3*	0.0	0.25	0.0	(0.0)
olv4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.04	-50.26	29.02
LAB*LABa	47.04	-50.26	29.02
LAB*LABb	47.04	-50.26	29.02

relative Inform. Technology (IT)

olv3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olv4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	37.51	-67.01	38.69
LAB*LABa	37.51	-67.01	38.69
LAB*LABb	37.51	-67.01	38.69

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	27.69	-16.74	9.67
LAB*LABa	27.69	-16.74	9.67
LAB*LABb	27.69	-16.74	9.67

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.25	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	
---------	--

lab*tch and lab*nch

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*


$$u_{vol}^* = 100$$
%Regularity
$$g^*_{H_{rel}} = 100$$
$$g^*_{C,rel} = 100$$

relative Inform. Technology (IT)				
olv3*	0.0	0.0	0.0	(1.0)
cmv23*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	0.0
stdm4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LABa	18.03	0.0	0.0	
LAB*TChe	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*lch	0.0	0.0	0.0	
lab*ncch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.0	0.0	0.0	
lab*lce	0.0	0.0	-	
lab*nce	1.0	0.0	-	

relative CIELAB lab*		
lab*lab	0.125	0.0 -0.249
lab*ch	0.125	0.25 0.75
lab*ch	0.75	0.25 0.75
relative Natural Colour (NC)		
lab*lrj	0.125	-0.005 -0.249
lab*tce	0.125	0.25 0.746
lab*nce	0.75	0.25 g98h

0,25

$n^* = 0,25$

Thickness n^*

1,00

chromaticness c

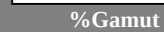
0,75

lab*tch and lab*nch

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*


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

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	0.25
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*Lab	37.36	13.3	0.83	
LAB*Lab	37.36	0.0	0.0	
LAB*TChe	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tc	0.25	0.0	-	
lab*nch	0.75	0.0	-	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*tc	0.25	0.0	-	
lab*nch	0.75	0.0	-	

relative CIELAB <i>lab</i> *		
<i>lab</i> * <i>lab</i>	0.025	0.143
<i>lab</i> * <i>ach</i>	0.125	0.25
<i>lab</i> * <i>nch</i>	0.75	0.25
relative Natural Colour (NC)		
<i>lab</i> * <i>lrj</i>	0.025	0.112
<i>lab</i> * <i>tce</i>	0.125	0.25
<i>lab</i> * <i>nCe</i>	0.75	0.25

0,25

0,75

chrom

thickness n^*

Thickness n^*

1,00

chromaticness c^*

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

input: *cmy0** *setcmykcolor*

output: no change compared to input

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

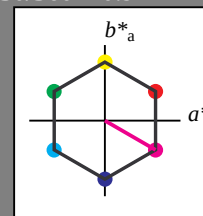
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



SRS18; adapted (a) CIELAB data

	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RC _{IE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	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	0.0	0.0	0.0
lab*trc	0.0	0.0	0.0
lab*trb	0.0	0.0	0.0
lab*trg	0.0	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	85.73	16.75	-9.66
LAB*LABa	85.73	16.75	-9.66
LAB*LABb	85.73	16.75	-9.66
LAB*LABc	85.73	16.75	-9.66

relative CIELAB lab*

lab*lab	0.875	0.216	-0.124
lab*tch	0.875	0.25	0.917
lab*nch	0.875	0.25	0.917

relative Natural Colour (NC)

lab*trj	0.875	0.18	-0.172
lab*trc	0.875	0.25	0.917
lab*trb	0.875	0.25	0.917
lab*trg	0.875	0.25	0.917

relative Inform. Technology (IT)

olv3*	1.0	0.5	1.0	(1.0)
cmv3*	0.0	0.5	0.0	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
cmv4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	33.51	-19.34
LAB*LABa	76.06	33.51	-19.34
LAB*LABb	76.06	33.51	-19.34
LAB*LABc	76.06	33.51	-19.34

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*trc	0.0	1.0	0.0
lab*trb	0.0	0.0	1.0
lab*trg	0.0	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LABa	76.07	0.0	0.0
LAB*LABb	76.07	0.0	0.0
LAB*LABc	76.07	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.25	-0.124
lab*tch	0.75	0.25	0.917
lab*nch	0.75	0.25	0.917

relative Natural Colour (NC)

lab*trj	0.75	0.18	-0.172
lab*trc	0.75	0.25	0.917
lab*trb	0.75	0.25	0.917
lab*trg	0.75	0.25	0.917

relative Inform. Technology (IT)

olv3*	0.75	0.5	0.75	(1.0)
cmv3*	0.25	0.5	0.25	(0.0)
olv4*	1.0	0.75	1.0	(1.0)
cmv4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	66.39	16.76	-9.67
LAB*LABa	66.39	16.76	-9.67
LAB*LABb	66.39	16.76	-9.67
LAB*LABc	66.39	16.76	-9.67

relative CIELAB lab*

lab*lab	0.75	0.36	-0.346
lab*tch	0.75	0.36	0.917
lab*nch	0.75	0.36	0.917

relative Natural Colour (NC)

lab*trj	0.75	0.36	-0.346
lab*trc	0.75	0.36	0.917
lab*trb	0.75	0.36	0.917
lab*trg	0.75	0.36	0.917

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	66.38	50.27	-29.01
LAB*LABa	66.38	50.27	-29.01
LAB*LABb	66.38	50.27	-29.01
LAB*LABc	66.38	50.27	-29.01

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*trc	0.75	0.0	0.0
lab*trb	0.75	0.0	0.0
lab*trg	0.75	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(0.0)
cmv3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*LABb	56.72	0.0	0.0
LAB*LABc	56.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.25	-0.124
lab*tch	0.5	0.25	0.917
lab*nch	0.5	0.25	0.917

relative Natural Colour (NC)

lab*trj	0.5	0.18	-0.172
lab*trc	0.5	0.25	0.917
lab*trb	0.5	0.25	0.917
lab*trg	0.5	0.25	0.917

relative Inform. Technology (IT)

olv3*	0.5	0.25	0.5	(1.0)
cmv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
cmv4*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	33.52	-19.34
LAB*LABa	56.71	33.52	-19.34
LAB*LABb	56.71	33.52	-19.34
LAB*LABc	56.71	33.52	-19.34

relative CIELAB lab*

lab*lab	0.5	0.36	-0.346
lab*tch	0.5	0.36	0.917
lab*nch	0.5	0.36	0.917

relative Natural Colour (NC)

lab*trj	0.5	0.36	-0.346
lab*trc	0.5	0.36	0.917
lab*trb	0.5	0.36	0.917
lab*trg	0.5	0.36	0.917

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	67.02	-38.68
LAB*LABa	56.71	67.02	-38.68
LAB*LABb	56.71	67.02	-38.68
LAB*LABc	56.71	67.02	-38.68

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*trc	0.5	0.0	0.0
lab*trb	0.5	0.0	0.0
lab*trg	0.5	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.33	0.0	0.0
LAB*LABa	37.33	0.0	0.0
LAB*LABb	37.33	0.0	0.0
LAB*LABc	37.33	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.25	-0.124
lab*tch	0.25	0.25	0.917
lab*nch	0.25	0.25	0.917

relative Natural Colour (NC)

lab*trj	0.25	0.18	-0.172
lab*trc	0.25	0.25	0.917
lab*trb	0.25	0.25	0.917
lab*trg	0.25	0.25	0.917

relative Inform. Technology (IT)

olv3*	0.5	0.0	0.5	(1.0)
cmv3*	0.5	0.0	0.5	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
cmv4*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	27.36	33.51	-19.34
LAB*LABa	27.36	33.51	-19.34
LAB*LABb	27.36	33.51	-19.34
LAB*LABc	27.36	33.51	-19.34

relative CIELAB lab*

lab*lab	0.25	0.36	-0.346
lab*tch	0.25	0.36	0.917
lab*nch	0.25	0.36	0.917

relative Natural Colour (NC)

lab*trj	0.25	0.36	-0.346
lab*trc	0.25	0.36	0.917
lab*trb	0.25	0.36	0.917
lab*trg	0.25	0.36	0.917

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.33	67.02	-38.68
LAB*LABa	37.33	67.02	-38.68
LAB*LABb	37.33	67.02	-38.68
LAB*LABc	37.33	67.02	-38.68

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*trc	0.25	0.0	0.0
lab*trb	0.25	0.0	0.0
lab*trg	0.25	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*LABb	18.03	0.0	0.0
LAB*LABc	18.03	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.25	-0.124
lab*tch	0.0	0.25	0.917
lab*nch	0.0	0.25	0.917

relative Natural Colour (NC)

lab*trj	0.0	0.18	-0.172
lab*trc	0.0	0.25	0.917
lab*trb	0.0	0.25	0.917
lab*trg	0.0	0.25	0.917

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	27.36	16.75	-9.66
LAB*LABa	27.36	16.75	-9.66
LAB*LABb	27.36	16.75	-9.66
LAB*LABc	27.36	16.75	-9.66

relative CIELAB lab*

lab*lab	0.125	0.36	-0.346
lab*tch	0.125	0.36	0.917
lab*nch	0.125	0.36	0.917

relative Natural Colour (NC)

lab*trj	0.125	0.36	-0.346
lab*trc	0.125	0.36	0.917
lab*trb	0.125	0.36	0.917
lab*trg	0.125	0.36	0.917

relative Inform. Technology (IT)

olv3*	0.5	0.25	0.5	(1.0)
cmv3*	0.5	0.25	0.5	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
cmv4*	0.0	0.25	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	18.02	0.0	0.0
LAB*LABc	18.02	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	0.0

www.ps.bam.de/OE57/10L/L57E07NP.PS/.PDF; start output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

Input: Colorimetric Standard Reflective System SRS18

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

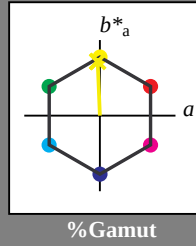
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
LAB*LAB	95.41	0.0	0.0	
LAB*Lab	95.41	0.0	0.0	
LAB*TCh	99.99	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.989	1.0	0.75	(1.0)
cmv3*	0.011	0.0	0.25	(0.0)
olv4*	0.989	1.0	0.75	(1.0)
cmv4*	0.011	0.0	0.25	(0.0)
LAB*LAB	85.73	-0.75	18.91	
LAB*Lab	85.73	-0.75	18.91	
LAB*TCh	87.5	-18.92	92.25	

relative Inform. Technology (IT)

olv3*	0.977	1.0	0.5	(1.0)
cmv3*	0.023	0.0	0.5	(0.0)
olv4*	0.977	1.0	0.5	(1.0)
cmv4*	0.023	0.0	0.5	(0.0)
LAB*LAB	76.06	-1.51	37.81	
LAB*Lab	76.06	-1.51	37.81	
LAB*TCh	75.0	37.84	92.31	

relative Inform. Technology (IT)

olv3*	0.966	1.0	0.25	(1.0)
cmv3*	0.034	0.0	0.25	(0.0)
olv4*	0.966	1.0	0.25	(1.0)
cmv4*	0.034	0.0	0.25	(0.0)
LAB*LAB	66.38	-2.27	56.72	
LAB*Lab	66.38	-2.27	56.72	
LAB*TCh	62.5	56.77	92.31	

relative Inform. Technology (IT)

olv3*	0.954	1.0	0.0	(1.0)
cmv3*	0.046	0.0	0.0	(0.0)
olv4*	0.954	1.0	0.0	(1.0)
cmv4*	0.046	0.0	0.0	(0.0)
LAB*LAB	56.71	-3.04	75.62	
LAB*Lab	56.71	-3.04	75.62	
LAB*TCh	50.0	75.69	92.31	

relative Inform. Technology (IT)

olv3*	0.936	1.0	0.0	(1.0)
cmv3*	0.064	0.0	0.0	(0.0)
olv4*	0.936	1.0	0.0	(1.0)
cmv4*	0.064	0.0	0.0	(0.0)
LAB*LAB	47.04	-2.28	56.72	
LAB*Lab	47.04	-2.28	56.72	
LAB*TCh	37.51	56.77	92.31	

relative Inform. Technology (IT)

olv3*	0.918	1.0	0.0	(1.0)
cmv3*	0.082	0.0	0.0	(0.0)
olv4*	0.918	1.0	0.0	(1.0)
cmv4*	0.082	0.0	0.0	(0.0)
LAB*LAB	37.51	-1.52	37.81	
LAB*Lab	37.51	-1.52	37.81	
LAB*TCh	25.01	37.84	92.31	

relative Inform. Technology (IT)

olv3*	0.899	1.0	0.0	(1.0)
cmv3*	0.101	0.0	0.0	(0.0)
olv4*	0.899	1.0	0.0	(1.0)
cmv4*	0.101	0.0	0.0	(0.0)
LAB*LAB	27.69	-0.75	18.91	
LAB*Lab	27.69	-0.75	18.91	
LAB*TCh	12.5	18.92	92.31	

relative Inform. Technology (IT)

olv3*	0.875	1.0	0.0	(1.0)
cmv3*	0.125	0.0	0.0	(0.0)
olv4*	0.875	1.0	0.0	(1.0)
cmv4*	0.125	0.0	0.0	(0.0)
LAB*LAB	18.03	0.0	0.0	
LAB*Lab	18.03	0.0	0.0	
LAB*TCh	0.01	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.850	1.0	0.0	(1.0)
cmv3*	0.150	0.0	0.0	(0.0)
olv4*	0.850	1.0	0.0	(1.0)
cmv4*	0.150	0.0	0.0	(0.0)
LAB*LAB	9.01	0.0	0.0	
LAB*Lab	9.01	0.0	0.0	
LAB*TCh	0.0	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.825	1.0	0.0	(1.0)
cmv3*	0.175	0.0	0.0	(0.0)
olv4*	0.825	1.0	0.0	(1.0)
cmv4*	0.175	0.0	0.0	(0.0)
LAB*LAB	0.0	0.0	0.0	
LAB*Lab	0.0	0.0	0.0	
LAB*TCh	0.0	0.0	0.0	

SRS18; adapted (a) CIELAB data

	$L^*=L_a$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RC _{IE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

blackness n^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

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

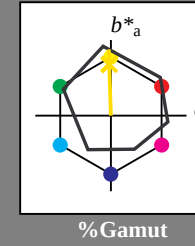
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
LAB*LAB	95.41	-0.98	4.75	
LAB*Lab	95.41	-0.98	4.75	
LAB*TCh	99.99	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.975	0.75	0.5	(1.0)
cmv3*	0.025	0.25	0.5	(0.0)
olv4*	0.975	0.75	0.5	(1.0)
cmv4*	0.025	0.25	0.5	(0.0)
LAB*LAB	93.1	-1.64	26.52	
LAB*Lab	93.1	-1.64	26.52	
LAB*TCh	87.5	21.93	91.85	

relative Inform. Technology (IT)

olv3*	0.957	0.5	0.0	(1.0)
cmv3*	0.043	0.5	0.0	(0.0)
olv4*	0.957	0.5	0.0	(1.0)
cmv4*	0.043	0.5	0.0	(0.0)
LAB*LAB	76.06	-0.61	3.44	
LAB*Lab	76.06	-0.61	3.44	
LAB*TCh	75.0	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.936	0.5	0.0	(1.0)
cmv3*	0.064	0.5	0.0	(0.0)
olv4*	0.936	0.5	0.0	(1.0)
cmv4*	0.064	0.5	0.0	(0.0)
LAB*LAB	66.38	-0.61	3.44	
LAB*Lab	66.38	-0.61	3.44	
LAB*TCh	62.5	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.918	0.5	0.0	(1.0)
cmv3*	0.082	0.5	0.0	(0.0)
olv4*	0.918	0.5	0.0	(1.0)
cmv4*	0.082	0.5	0.0	(0.0)
LAB*LAB	56.71	-0.61	3.44	
LAB*Lab	56.71	-0.61	3.44	
LAB*TCh	50.0	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.899	0.5	0.0	(1.0)
cmv3*	0.101	0.5	0.0	(0.0)
olv4*	0.899	0.5	0.0	(1.0)
cmv4*	0.101	0.5	0.0	(0.0)
LAB*LAB	47.04	-0.61	3.44	
LAB*Lab	47.04	-0.61	3.44	
LAB*TCh	37.51	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.875	0.5	0.0	(1.0)
cmv3*	0.125	0.5	0.0	(0.0)
olv4*	0.875	0.5	0.0	(1.0)
cmv4*	0.125	0.5	0.0	(0.0)
LAB*LAB	37.51	-0.61	3.44	
LAB*Lab	37.51	-0.61	3.44	
LAB*TCh	25.01	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.850	0.5	0.0	(1.0)
cmv3*	0.150	0.5	0.0	(0.0)
olv4*	0.850	0.5	0.0	(1.0)
cmv4*	0.150	0.5	0.0	(0.0)
LAB*LAB	27.69	-0.61	3.44	
LAB*Lab	27.69	-0.61	3.44	
LAB*TCh	12.5	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.825	0.5	0.0	(1.0)
cmv3*	0.175	0.5	0.0	(0.0)
olv4*	0.825	0.5	0.0	(1.0)
cmv4*	0.175	0.5	0.0	(0.0)
LAB*LAB	18.03	0.0	0.0	
LAB*Lab	18.03	0.0	0.0	
LAB*TCh	0.01	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.800	0.5	0.0	(1.0)
cmv3*	0.200	0.5	0.0	(0.0)
olv4*	0.800	0.5	0.0	(1.0)
cmv4*	0.200	0.5	0.0	(0.0)
LAB*LAB	9.01	0.0	0.0	
LAB*Lab	9.01	0.0	0.0	
LAB*TCh	0.0	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.775	0.5	0.0	(1.0)
cmv3*	0.225	0.5	0.0	(0.0)
olv4*	0.775	0.5	0.0	(1.0)
cmv4*	0.225	0.5	0.0	(0.0)
LAB*LAB	0.0	0.0	0.0	
LAB*Lab	0.0	0.0	0.0	
LAB*TCh	0.0	0.0	0.0	

ORS18; adapted (a) CIELAB data

	$L^*=L_a$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RC _{IE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

Input: Colorimetric Standard Reflective System SRS18

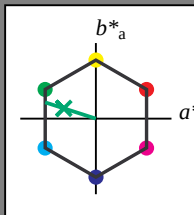
for hue $h^* = lab^*h = 162/360 = 0.451$
 lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



SRS18; adapted (a) CIELAB data

	$L^*=L_a$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	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

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01

relative Inform. Technology (IT)
olv3* 0.75 1.0 0.806 (1.0)
cmyn3* 0.25 0.0 0.194 (0.0)
olv4* 0.75 1.0 0.806 (1.0)
cmyn4* 0.25 0.0 0.194 (0.0)
standard and adapted CIELAB
LAB*LAB 85.73 -16.74 5.37
LAB*LABa 85.73 -16.74 5.37
LAB*TCHa 97.5 17.39 162.23

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.611 (1.0)
cmyn3* 0.5 0.0 0.389 (0.0)
olv4* 0.5 1.0 0.611 (1.0)
cmyn4* 0.5 0.0 0.389 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -33.5 10.74
LAB*LABa 76.06 -33.5 10.74
LAB*TCHa 75.0 35.19 162.23

relative Inform. Technology (IT)
olv3* 0.25 1.0 0.417 (1.0)
cmyn3* 0.25 0.0 0.583 (0.0)
olv4* 0.25 1.0 0.417 (1.0)
cmyn4* 0.25 0.0 0.583 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 -50.26 16.11
LAB*LABa 66.38 -50.26 16.11
LAB*TCHa 62.5 52.79 162.23

relative Inform. Technology (IT)
olv3* 0.0 1.0 0.222 (1.0)
cmyn3* 1.0 0.0 0.778 (0.0)
olv4* 0.0 1.0 0.222 (1.0)
cmyn4* 1.0 0.0 0.778 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -67.01 21.49
LAB*LABa 56.71 -67.01 21.49
LAB*TCHa 50.0 70.38 162.22

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -67.01 21.49
LAB*LABa 56.71 -67.01 21.49
LAB*TCHa 50.0 70.38 162.22

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 (0.5)
cmyn4* 0.0 0.0 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01

relative Inform. Technology (IT)
olv3* 0.5 0.75 0.536 (1.0)
cmyn3* 0.5 0.25 0.464 (0.0)
olv4* 0.75 1.0 0.806 (0.75)
cmyn4* 0.25 0.0 0.194 (0.25)
standard and adapted CIELAB
LAB*LAB 66.39 -16.75 5.37
LAB*LABa 66.39 -16.75 5.37
LAB*TCHa 62.5 17.6 162.22

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.361 (1.0)
cmyn3* 0.75 0.25 0.639 (0.0)
olv4* 0.5 1.0 0.611 (0.75)
cmyn4* 0.5 0.0 0.389 (0.25)
standard and adapted CIELAB
LAB*LAB 56.71 -33.5 10.75
LAB*LABa 56.71 -33.5 10.75
LAB*TCHa 50.0 35.2 162.22

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -67.01 21.49
LAB*LABa 56.71 -67.01 21.49
LAB*TCHa 50.0 70.38 162.22

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.361 (1.0)
cmyn3* 0.75 0.25 0.639 (0.0)
olv4* 0.5 1.0 0.611 (0.75)
cmyn4* 0.5 0.0 0.389 (0.25)
standard and adapted CIELAB
LAB*LAB 56.71 -33.5 10.75
LAB*LABa 56.71 -33.5 10.75
LAB*TCHa 50.0 35.2 162.22

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -67.01 21.49
LAB*LABa 56.71 -67.01 21.49
LAB*TCHa 50.0 70.38 162.22

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 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01

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 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.0 0.01

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.375 (1.0)
cmyn3* 0.75 0.25 0.625 (0.0)
olv4* 0.5 1.0 0.611 (0.5)
cmyn4* 0.5 0.0 0.389 (0.5)
standard and adapted CIELAB
LAB*LAB 56.71 -33.5 10.75
LAB*LABa 56.71 -33.5 10.75
LAB*TCHa 50.0 35.2 162.22

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -67.01 21.49
LAB*LABa 56.71 -67.01 21.49
LAB*TCHa 50.0 70.38 162.22

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.361 (1.0)
cmyn3* 0.75 0.25 0.639 (0.0)
olv4* 0.5 1.0 0.611 (0.75)
cmyn4* 0.5 0.0 0.389 (0.25)
standard and adapted CIELAB
LAB*LAB 56.71 -33.5 10.75
LAB*LABa 56.71 -33.5 10.75
LAB*TCHa 50.0 35.2 162.22

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -67.01 21.49
LAB*LABa 56.71 -67.01 21.49
LAB*TCHa 50.0 70.38 162.22

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01

OE570-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

BAM-test chart OE57; Colorimetric systems SRS18 & ORS18

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

input: *cmv0* setcmvcolor*

output: *no change compared to input*

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

output: *no change compared to input*

Input: Colorimetric Standard Reflective System SRS18

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

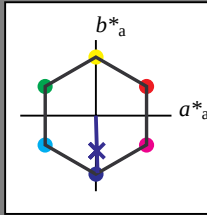
$lab \cdot tch$ and $lab \cdot nch$

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



SRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RC _{IE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 271/360 = 0.754$

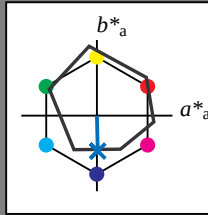
$lab \cdot tch$ and $lab \cdot nch$

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RC _{IE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

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

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

relative Inform. Technology (IT)			
olv3*	1.0	1.0	1.0
olv4*	0.0	0.0	0.0
olv5*	0.0	0.0	0.0
olv6*	0.0	0.0	0.0
olv7*	0.0	0.0	0.0
olv8*	0.0	0.0	0.0
olv9*	0.0	0.0	0.0
olv10*	0.0	0.0	0.0
olv11*	0.0	0.0	0.0
olv12*	0.0	0.0	0.0
olv13*	0.0	0.0	0.0
olv14*	0.0	0.0	0.0
olv15*	0.0	0.0	0.0
olv16*	0.0	0.0	0.0
olv17*	0.0	0.0	0.0
olv18*	0.0	0.0	0.0
olv19*	0.0	0.0	0.0
olv20*	0.0	0.0	0.0
olv21*	0.0	0.0	0.0
olv22*	0.0	0.0	0.0
olv23*	0.0	0.0	0.0
olv24*	0.0	0.0	0.0
olv25*	0.0	0.0	0.0
olv26*	0.0	0.0	0.0
olv27*	0.0	0.0	0.0
olv28*	0.0	0.0	0.0
olv29*	0.0	0.0	0.0
olv30*	0.0	0.0	0.0
olv31*	0.0	0.0	0.0
olv32*	0.0	0.0	0.0
olv33*	0.0	0.0	0.0
olv34*	0.0	0.0	0.0
olv35*	0.0	0.0	0.0
olv36*	0.0	0.0	0.0
olv37*	0.0	0.0	0.0
olv38*	0.0	0.0	0.0
olv39*	0.0	0.0	0.0
olv40*	0.0	0.0	0.0
olv41*	0.0	0.0	0.0
olv42*	0.0	0.0	0.0
olv43*	0.0	0.0	0.0
olv44*	0.0	0.0	0.0
olv45*	0.0	0.0	0.0
olv46*	0.0	0.0	0.0
olv47*	0.0	0.0	0.0
olv48*	0.0	0.0	0.0
olv49*	0.0	0.0	0.0
olv50*	0.0	0.0	0.0
olv51*	0.0	0.0	0.0
olv52*	0.0	0.0	0.0
olv53*	0.0	0.0	0.0
olv54*	0.0	0.0	0.0
olv55*	0.0	0.0	0.0
olv56*	0.0	0.0	0.0
olv57*	0.0	0.0	0.0
olv58*	0.0	0.0	0.0
olv59*	0.0	0.0	0.0
olv60*	0.0	0.0	0.0
olv61*	0.0	0.0	0.0
olv62*	0.0	0.0	0.0
olv63*	0.0	0.0	0.0
olv64*	0.0	0.0	0.0
olv65*	0.0	0.0	0.0
olv66*	0.0	0.0	0.0
olv67*	0.0	0.0	0.0
olv68*	0.0	0.0	0.0
olv69*	0.0	0.0	0.0
olv70*	0.0	0.0	0.0
olv71*	0.0	0.0	0.0
olv72*	0.0	0.0	0.0
olv73*	0.0	0.0	0.0
olv74*	0.0	0.0	0.0
olv75*	0.0	0.0	0.0
olv76*	0.0	0.0	0.0
olv77*	0.0	0.0	0.0
olv78*	0.0	0.0	0.0
olv79*	0.0	0.0	0.0
olv80*	0.0	0.0	0.0
olv81*	0.0	0.0	0.0
olv82*	0.0	0.0	0.0
olv83*	0.0	0.0	0.0
olv84*	0.0	0.0	0.0
olv85*	0.0	0.0	0.0
olv86*	0.0	0.0	0.0
olv87*	0.0	0.0	0.0
olv88*	0.0	0.0	0.0
olv89*	0.0	0.0	0.0
olv90*	0.0	0.0	0.0
olv91*	0.0	0.0	0.0
olv92*	0.0	0.0	0.0
olv93*	0.0	0.0	0.0
olv94*	0.0	0.0	0.0
olv95*	0.0	0.0	0.0
olv96*	0.0	0.0	0.0
olv97*	0.0	0.0	0.0
olv98*	0.0	0.0	0.0
olv99*	0.0	0.0	0.0
olv100*	0.0	0.0	0.0

relative Inform. Technology (IT)			
olv3*	0.75	0.75	0.75
olv4*	0.25	0.25	0.25
olv5*	1.0	1.0	1.0
olv6*	0.0	0.0	0.0
olv7*	0.0	0.0	0.0
olv8*	0.0	0.0	0.0
olv9*	0.0	0.0	0.0
olv10*	0.0	0.0	0.0
olv11*	0.0	0.0	0.0
olv12*	0.0	0.0	0.0
olv13*	0.0	0.0	0.0
olv14*	0.0	0.0	0.0
olv15*	0.0	0.0	0.0
olv16*	0.0	0.0	0.0
olv17*	0.0	0.0	0.0
olv18*	0.0	0.0	0.0
olv19*	0.0	0.0	0.0
olv20*	0.0	0.0	0.0
olv21*	0.0	0.0	0.0
olv22*	0.0	0.0	0.0
olv23*	0.0	0.0	0.0
olv24*	0.0	0.0	0.0
olv25*	0.0	0.0	0.0
olv26*	0.0	0.0	0.0
olv27*	0.0	0.0	0.0
olv28*	0.0	0.0	0.0
olv29*	0.0	0.0	0.0
olv30*	0.0	0.0	0.0
olv31*	0.0	0.0	0.0
olv32*	0.0	0.0	0.0
olv33*	0.0	0.0	0.0
olv34*	0.0	0.0	0.0
olv35*	0.0	0.0	0.0
olv36*	0.0	0.0	0.0
olv37*	0.0	0.0	0.0
olv38*	0.0	0.0	0.0
olv39*	0.0	0.0	0.0
olv40*	0.0	0.0	0.0
olv41*	0.0	0.0	0.0
olv42*	0.0	0.0	0.0
olv43*	0.0	0.0	0.0
olv44*	0.0	0.0	0.0
olv45*	0.0	0.0	0.0
olv46*	0.0	0.0	0.0
olv47*	0.0	0.0	0.0
olv48*	0.0	0.0	0.0
olv49*	0.0	0.0	0.0
olv50*	0.0	0.0	0.0
olv51*	0.0	0.0	0.0
olv52*	0.0	0.0	0.0
olv53*	0.0	0.0	0.0
olv54*	0.0	0.0	0.0
olv55*	0.0	0.0	0.0
olv56*	0.0	0.0	0.0
olv57*	0.0	0.0	0.0
olv58*	0.0	0.0	0.0
olv59*	0.0	0.0	0.0
olv60*	0.0	0.0	0.0
olv61*	0.0	0.0	0.0
olv62*	0.0	0.0	0.0
olv63*	0.0	0.0	0.0
olv64*	0.0	0.0	0.0
olv65*	0.0	0.0	0.0
olv66*	0.0	0.0	0.0
olv67*	0.0	0.0	0.0
olv68*	0.0	0.0	0.0
olv69*	0.0	0.0	0.0
olv70*	0.0	0.0	0.0
olv71*	0.0	0.0	0.0
olv72*	0.0	0.0	0.0
olv73*	0.0	0.0	0.0
olv74*	0.0	0.0	0.0
olv75*	0.0	0.0	0.0
olv76*	0.0	0.0	0.0
olv77*	0.0	0.0	0.0
olv78*	0.0	0.0	0.0
olv79*	0.0	0.0	0.0
olv80*	0.0	0.0	0.0
olv81*	0.0	0.0	0.0
olv82*	0.0	0.0	0.0
olv83*	0.0	0.0	0.0
olv84*	0.0	0.0	0.0
olv85*	0.0	0.0	0.0
olv86*	0.0	0.0	0.0
olv87*	0.0	0.0	0.0
olv88*	0.0	0.0	0.0
olv89*	0.0	0.0	0.0
olv90*	0.0	0.0	0.0
olv91*	0.0	0.0	0.0
olv92*	0.0	0.0	0.0
olv93*	0.0	0.0	0.0
olv94*	0.0	0.0	0.0
olv95*	0.0	0.0	0.0
olv96*	0.0	0.0	0.0
olv97*	0.0	0.0	0.0
olv98*	0.0	0.0	0.0
olv99*	0.0	0.0	0.0
olv100*	0.0	0.0	0.0

100	R _{CIE}	39.92
	J _{CIE}	81.26
	G _{CIE}	52.23
	B _{CIE}	30.57