

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 88/360 = 0.246$

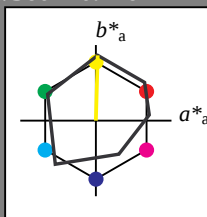
lab^*tch and lab^*nch

A: hue Y

LCH*Ma: 93 86 88

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



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 95.6 0.43 4.65
LAB*LABa 95.6 0.0 0.0
LAB*TCa 99.99 0.01

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*tr 1.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 76.23 0.62 3.36
LAB*LABa 76.23 0.0 0.0
LAB*TCa 75.0 0.01

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

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 56.86 0.8 2.08
LAB*LABa 56.86 0.0 0.0
LAB*TCa 50.0 0.01

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*tr 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 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* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 37.49 0.79 0.79
LAB*LABa 37.49 0.0 0.0
LAB*TCa 25.0 0.01

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LABa 18.12 0.0 0.0
LAB*TCa 0.01 0.01

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

$n^* = 1.0$

ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

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 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 94.1 1.65 47.73
LAB*LABa 94.1 0.0 0.0
LAB*TCa 75.0 43.9 88.4

relative CIELAB lab*
lab*lab 0.981 0.014 0.5
lab*tch 0.75 0.5 0.246
lab*nch 0.0 0.5 0.246
relative Natural Colour (NC)
lab*tr 0.991 -0.033 0.499
lab*tce 0.75 0.5 0.261
lab*nce 0.0 0.5 0.048

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 74.74 1.84 46.45
LAB*LABa 74.74 0.0 0.0
LAB*TCa 50.0 43.2 88.4

relative CIELAB lab*
lab*lab 0.731 0.014 0.5
lab*tch 0.5 0.5 0.246
lab*nch 0.0 0.5 0.246
relative Natural Colour (NC)
lab*tr 0.731 -0.033 0.499
lab*tce 0.5 0.5 0.261
lab*nce 0.25 0.5 0.048

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
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 53.37 2.02 45.36
LAB*LABa 53.37 0.0 0.0
LAB*TCa 37.51 64.79 88.4

relative CIELAB lab*
lab*lab 0.481 0.014 0.5
lab*tch 0.25 0.5 0.246
lab*nch 0.0 0.5 0.246
relative Natural Colour (NC)
lab*tr 0.481 -0.033 0.499
lab*tce 0.25 0.5 0.261
lab*nce 0.25 0.5 0.048

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 36.74 1.9 22.83
LAB*LABa 36.74 0.0 0.0
LAB*TCa 25.01 43.19 88.4

relative CIELAB lab*
lab*lab 0.24 0.007 0.25
lab*tch 0.125 0.25 0.246
lab*nch 0.0 0.25 0.246
relative Natural Colour (NC)
lab*tr 0.24 -0.016 0.249
lab*tce 0.125 0.25 0.261
lab*nce 0.75 0.25 0.048

$n^* = 0.50$

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 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 93.36 2.26 69.27
LAB*LABa 93.36 0.0 0.0
LAB*TCa 62.5 64.79 88.4

relative CIELAB lab*
lab*lab 0.971 0.021 0.75
lab*tch 0.625 0.75 0.246
lab*nch 0.0 0.75 0.246
relative Natural Colour (NC)
lab*tr 0.971 -0.05 0.748
lab*tce 0.625 0.75 0.261
lab*nce 0.0 0.75 0.048

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 92.61 2.41 86.34
LAB*LABa 92.61 0.0 0.0
LAB*TCa 50.0 86.37 88.4

relative CIELAB lab*
lab*lab 0.961 0.028 0.999
lab*tch 0.5 1.0 0.246
lab*nch 0.0 1.0 0.246
relative Natural Colour (NC)
lab*tr 0.961 -0.067 0.997
lab*tce 0.5 1.0 0.261
lab*nce 0.0 1.0 0.048

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
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 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCa 50.0 0.01

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*tr 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 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* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCa 25.0 0.01

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

$n^* = 0.00$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 94/360 = 0.261$

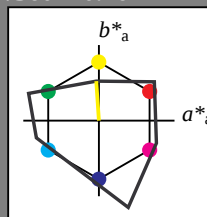
lab^*tch and lab^*nch

A: hue Y

LCH*Ma: 95 52 94

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



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*TCa 99.99 0.01

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*tr 1.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCa 75.0 0.01

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

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 50.0 0.0 0.0
LAB*LABa 50.0 0.0 0.0
LAB*TCa 50.0 0.01

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*tr 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 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* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCa 25.0 0.01

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LABa 18.12 0.0 0.0
LAB*TCa 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 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}	65.56	73.34	51.39	89.55	35
Y _{Ma}	94.78	-3.49	52.24	52.36	94
L _{Ma}	77.48	-92.97	36.0	99.71	159
C _{Ma}	78.36	-82.69	-22.74	85.77	195
V _{Ma}	12.55	38.81	-114.81	121.2	289
M _{Ma}	66.71	76.08	-29.8	81.71	339
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	47.79	61.74	42.56	74.99	35
J _{CIE}	83.82	7.06	70.78	71.13	84
G _{CIE}	49.0	-35.95	4.34	36.22	173
B _{CIE}	25.14	-17.24	-56.24	58.84	253

%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

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 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCa 99.99 0.01

relative CIELAB lab*
lab*lab 0.997 -0.032 0.499
lab*tch 0.75 0.5 0.261
lab*nch 0.0 0.5 0.261
relative Natural Colour (NC)
lab*tr 0.997 -0.083 0.493
lab*tce 0.75 0.5 0.277
lab*nce 0.0 0.5 0.108

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 71.25 -1.74 26.12
LAB*LABa 71.25 0.0 0.0
LAB*TCa 50.0 26.18 93.83

relative CIELAB lab*
lab*lab 0.997 -0.032 0.499
lab*tch 0.5 0.5 0.261
lab*nch 0.0 0.5 0.261
relative Natural Colour (NC)
lab*tr 0.997 -0.083 0.493
lab*tce 0.75 0.5 0.277
lab*nce 0.0 0.5 0.108

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
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 47.72 -0.87 13.06
LAB*LABa 47.72 0.0 0.0
LAB*TCa 37.5 13.09 93.83

relative CIELAB lab*
lab*lab 0.498 -0.016 0.249
lab*tch 0.375 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*tr 0.498 -0.041 0.246
lab*tce 0.375 0.25 0.277
lab*nce 0.25 0.25 0.108

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 23.7 -0.86 13.05
LAB*LABa 23.7 0.0 0.0
LAB*TCa 25.01 26.17 93.83

relative CIELAB lab*
lab*lab 0.248 -0.016 0.249
lab*tch 0.125 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*tr 0.248 -0.041 0.246
lab*tce 0.125 0.25 0.277
lab*nce 0.75 0.25 0.108

$n^* = 0.50$

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 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 94.77 -3.49 52.23
LAB*LABa 94.77 0.0 0.0
LAB*TCa 50.0 52.35 93.83

relative CIELAB lab*
lab*lab 0.993 -0.066 0.998
lab*tch 0.5 1.0 0.261
lab*nch 0.0 1.0 0.261
relative Natural Colour (NC)
lab*tr 0.993 -0.167 0.996
lab*tce 0.5 1.0 0.277
lab*nce 0.0 1.0 0.108

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 71.09 -2.61 39.17
LAB*LABa 71.09 0.0 0.0
LAB*TCa 37.51 39.26 93.83

relative CIELAB lab*
lab*lab 0.745 -0.049 0.748
lab*tch 0.375 0.75 0.261
lab*nch 0.0 0.75 0.261
relative Natural Colour (NC)
lab*tr 0.745 -0.125 0.739
lab*tce 0.375 0.75 0.277
lab*nce 0.25 0.75 0.108

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
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 47.4 -0.87 13.06
LAB*LABa 47.4 -1.74 26.11
LAB*TCa 25.01 26.17 93.83

relative CIELAB lab*
lab*lab 0.497 -0.032 0.499
lab*tch 0.25 0.5 0.261
lab*nch 0.0 0.5 0.261
relative Natural Colour (NC)
lab*tr 0.497 -0.083 0.493
lab*tce 0.25 0.5 0.277
lab*nce 0.0 0.5 0.108

relative Inform. Technology

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.42$

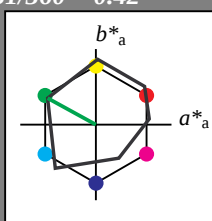
lab^*tch and lab^*nch

A: hue L

LCH*Ma: 51 73 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.6	0.43	4.65
LAB*LAB	95.6	0.0	0.0
LAB*LAB	95.6	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*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0
lab*trj	1.0	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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative CIELAB lab*

lab*lab	0.856	-0.227	0.102
lab*lab	0.856	0.25	0.433
lab*lab	0.856	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.75	0.0	0.0
lab*trj	0.75	0.0	0.0
lab*trj	0.75	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	65.05	-15.22	11.38
LAB*LAB	65.05	0.0	0.0
LAB*LAB	65.05	0.0	0.0

relative CIELAB lab*

lab*lab	0.625	-0.227	0.102
lab*lab	0.625	0.25	0.433
lab*lab	0.625	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.0	0.0
lab*trj	0.5	0.0	0.0
lab*trj	0.5	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.86	0.0	0.0
LAB*LAB	56.86	0.0	0.0
LAB*LAB	56.86	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	45.06	-15.04	10.1
LAB*LAB	45.06	0.0	0.0
LAB*LAB	45.06	0.0	0.0

relative CIELAB lab*

lab*lab	0.317	-0.656	0.361
lab*lab	0.317	0.25	0.433
lab*lab	0.317	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.49	0.0	0.0
LAB*LAB	37.49	0.0	0.0
LAB*LAB	37.49	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	26.31	-14.84	8.81
LAB*LAB	26.31	0.0	0.0
LAB*LAB	26.31	0.0	0.0

relative CIELAB lab*

lab*lab	0.106	-0.218	0.12
lab*lab	0.106	0.25	0.433
lab*lab	0.106	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.12	0.0	0.0
LAB*LAB	18.12	0.0	0.0
LAB*LAB	18.12	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

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.01	0.01	0.01
LAB*LAB	0.01	0.01	0.01
LAB*LAB	0.01	0.01	0.01

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

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	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
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 159/360 = 0.441$

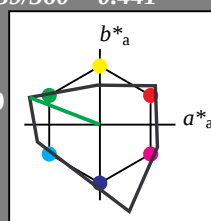
lab^*tch and lab^*nch

A: hue L

LCH*Ma: 77 100 159

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	65.56	73.34	51.39	89.55	35
Y _{Ma}	94.78	-3.49	52.24	52.36	94
L _{Ma}	77.48	-92.97	36.0	99.71	159
C _{Ma}	78.36	-82.69	-22.74	85.77	195
V _{Ma}	12.55	38.81	-114.81	121.2	289
M _{Ma}	66.71	76.08	-29.8	81.71	339
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	47.79	61.74	42.56	74.99	35
J _{CIE}	83.82	7.06	70.78	71.13	84
G _{CIE}	49.0	-35.95	4.34	36.22	173
B _{CIE}	25.14	-17.24	-56.24	58.84	253

%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	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*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0
lab*trj	1.0	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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	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	0.0	0.0
lab*lab	0.75	0.0	0.0
lab*lab	0.75	0.0	0.0

$g^*_{C,rel}$

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 227/360 = 0.631$

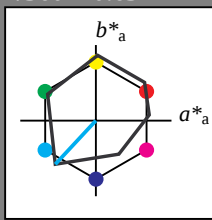
lab^*tch and lab^*nch

A: hue C

LCH*Ma: 51 79 227

olv*Ma: 0.0 1.0 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	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.6	0.43	4.65
LAB*LAB	95.6	0.0	0.0
LAB*LAB	95.6	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	1.0	1.0	(1.0)
olv3*	0.25	0.0	0.0	(0.0)
olv4*	0.75	1.0	1.0	(1.0)
olv4*	0.25	0.0	0.0	(0.0)
olv5*	0.75	1.0	1.0	(1.0)
olv5*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	84.51	-12.87	-10.49
LAB*LAB	84.51	-13.41	-14.41
LAB*LAB	84.51	-13.41	-14.41

relative Inform. Technology (IT)

olv3*	0.5	1.0	1.0	(1.0)
olv3*	0.25	0.0	0.0	(0.0)
olv4*	0.5	1.0	1.0	(1.0)
olv4*	0.25	0.0	0.0	(0.0)
olv5*	0.5	1.0	1.0	(1.0)
olv5*	0.25	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	73.42	-26.18	-25.65
LAB*LAB	73.42	-26.83	-28.84
LAB*LAB	73.42	-26.83	-28.84

relative Inform. Technology (IT)

olv3*	0.25	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	0.25	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	0.25	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	62.33	-39.5	-40.81
LAB*LAB	62.33	-40.25	-43.26
LAB*LAB	62.33	-40.25	-43.26

relative Inform. Technology (IT)

olv3*	0.0	0.75	1.0	(1.0)
olv3*	0.625	0.75	0.625	(0.625)
olv4*	0.0	0.75	1.0	(1.0)
olv4*	0.625	0.75	0.625	(0.625)
olv5*	0.0	0.75	1.0	(1.0)
olv5*	0.625	0.75	0.625	(0.625)

standard and adapted CIELAB

LAB*LAB	51.25	-52.81	-55.97
LAB*LAB	51.25	-53.67	-57.68
LAB*LAB	51.25	-53.67	-57.68

relative Inform. Technology (IT)

olv3*	0.0	0.5	0.5	(0.0)
olv3*	0.5	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.5	0.5	0.5	(0.0)
olv5*	0.0	0.5	0.5	(0.0)
olv5*	0.5	0.5	0.5	(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 Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.75	0.75	0.75	(1.0)
olv5*	0.25	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	65.14	-12.69	-11.78
LAB*LAB	65.14	-13.41	-14.42
LAB*LAB	65.14	-13.41	-14.42

relative Inform. Technology (IT)

olv3*	0.25	0.75	0.75	(1.0)
olv3*	0.0	0.25	0.25	(0.0)
olv4*	0.25	0.75	0.75	(1.0)
olv4*	0.0	0.25	0.25	(0.0)
olv5*	0.25	0.75	0.75	(1.0)
olv5*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	54.05	-26.0	-26.94
LAB*LAB	54.05	-26.83	-28.84
LAB*LAB	54.05	-26.83	-28.84

relative Inform. Technology (IT)

olv3*	0.0	0.5	0.5	(0.0)
olv3*	0.5	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.5	0.5	0.5	(0.0)
olv5*	0.0	0.5	0.5	(0.0)
olv5*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	42.97	-39.31	-43.1
LAB*LAB	42.97	-40.25	-43.26
LAB*LAB	42.97	-40.25	-43.26

relative Inform. Technology (IT)

olv3*	0.0	0.25	0.25	(0.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	0.0	0.25	0.25	(0.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.25	0.25	(0.0)
olv5*	0.25	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	51.25	-52.81	-55.97
LAB*LAB	51.25	-53.67	-57.68
LAB*LAB	51.25	-53.67	-57.68

relative Inform. Technology (IT)

olv3*	0.0	0.25	0.25	(0.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	0.0	0.25	0.25	(0.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.25	0.25	(0.0)
olv5*	0.25	0.25	0.25	(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 Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	0.25	0.25	0.25	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	0.25	0.25	0.25	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.86	0.8	2.08
LAB*LAB	56.86	0.0	0.0
LAB*LAB	56.86	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.0	0.5	0.5	(0.0)
olv3*	0.5	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.5	0.5	0.5	(0.0)
olv5*	0.0	0.5	0.5	(0.0)
olv5*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	45.75	-12.5	-13.07
LAB*LAB	45.75	-13.41	-14.42
LAB*LAB	45.75	-13.41	-14.42

relative Inform. Technology (IT)

olv3*	0.0	0.5	0.5	(0.0)
olv3*	0.5	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.5	0.5	0.5	(0.0)
olv5*	0.0	0.5	0.5	(0.0)
olv5*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	44.68	-25.81	-28.22
LAB*LAB	44.68	-26.83	-28.84
LAB*LAB	44.68	-26.83	-28.84

relative Inform. Technology (IT)

olv3*	0.0	0.5	0.5	(0.0)
olv3*	0.5	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.5	0.5	0.5	(0.0)
olv5*	0.0	0.5	0.5	(0.0)
olv5*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	42.97	-39.31	-43.1
LAB*LAB	42.97	-40.25	-43.26
LAB*LAB	42.97	-40.25	-43.26

relative Inform. Technology (IT)

olv3*	0.0	0.25	0.25	(0.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	0.0	0.25	0.25	(0.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.25	0.25	(0.0)
olv5*	0.25	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	51.25	-52.81	-55.97
LAB*LAB	51.25	-53.67	-57.68
LAB*LAB	51.25	-53.67	-57.68

relative Inform. Technology (IT)

olv3*	0.0	0.25	0.25	(0.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	0.0	0.25	0.25	(0.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.25	0.25	(0.0)
olv5*	0.25	0.25	0.25	(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 Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	0.25	0.25	0.25	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	0.25	0.25	0.25	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.49	0.79	1.79
LAB*LAB	37.49	0.0	0.0
LAB*LAB	37.49	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.0	0.5	0.5	(0.0)
olv3*	0.5	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.5	0.5	0.5	(0.0)
olv5*	0.0	0.5	0.5	(0.0)
olv5*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	44.68	-25.81	-28.22
LAB*LAB	44.68	-26.83	-28.84
LAB*LAB	44.68	-26.83	-28.84

relative Inform. Technology (IT)

olv3*	0.0	0.5	0.5	(0.0)
olv3*	0.5	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.5	0.5	0.5	(0.0)
olv5*	0.0	0.5	0.5	(0.0)
olv5*	0.5	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	42.97	-39.31	-43.1
LAB*LAB	42.97	-40.25	-43.26
LAB*LAB	42.97	-40.25	-43.26

relative Inform. Technology (IT)

olv3*	0.0	0.25	0.25	(0.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	0.0	0.25	0.25	(0.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.25	0.25	(0.0)
olv5*	0.25	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	51.25	-52.81	-55.97
LAB*LAB	51.25	-53.67	-57.68
LAB*LAB	51.25	-53.67	-57.68

relative Inform. Technology (IT)

olv3*	0.0	0.25	0.25	(0.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	0.0	0.25	0.25	(0.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.25	0.25	(0.0)
olv5*	0.25	0.25	0.25	(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 Inform. Technology (IT)

olv3*	0.0	0.25	0.25	(0.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	0.0	0.25	0.25	(0.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.25	0.25	(0.0)
olv5*	0.25	0.25	0.25	(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 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	18.12	1.18	-0.49	

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 304/360 = 0.845$

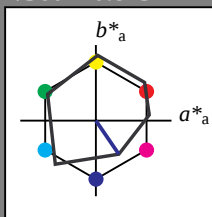
lab^*tch and lab^*nch

A: hue V

LCH*Ma: 26 54 304

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 96$

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

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

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

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

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

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

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

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

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

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

ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
RC _{IE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

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

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

relative Inform. Technology (IT)

olv3*	0.
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Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 6/360 = 0.017$

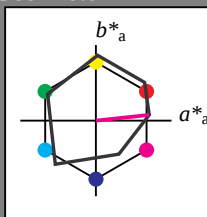
$lab \cdot tch$ and $lab \cdot nch$

A: hue M

LCH*Ma: 56 71 6

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 96$

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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.6	0.43	4.65
LAB*LAB	95.6	0.0	0.0
LAB*LAB	95.6	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.75	1.0	(1.0)
olv3*	0.0	0.25	0.0	(0.0)
olv4*	1.0	0.75	1.0	(1.0)
olv4*	0.0	0.25	0.0	(0.0)
olv5*	1.0	0.75	1.0	(1.0)
olv5*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	85.76	18.17	5.9
LAB*LAB	85.76	17.64	1.89
LAB*LAB	85.76	17.64	6.12

relative Inform. Technology (IT)

olv3*	1.0	0.75	1.0	(1.0)
olv3*	0.0	0.25	0.0	(0.0)
olv4*	1.0	0.75	1.0	(1.0)
olv4*	0.0	0.25	0.0	(0.0)
olv5*	1.0	0.75	1.0	(1.0)
olv5*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	85.76	18.17	5.9
LAB*LAB	85.76	17.64	1.89
LAB*LAB	85.76	17.64	6.12

relative Inform. Technology (IT)

olv3*	1.0	0.75	1.0	(1.0)
olv3*	0.0	0.25	0.0	(0.0)
olv4*	1.0	0.75	1.0	(1.0)
olv4*	0.0	0.25	0.0	(0.0)
olv5*	1.0	0.75	1.0	(1.0)
olv5*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	85.76	18.17	5.9
LAB*LAB	85.76	17.64	1.89
LAB*LAB	85.76	17.64	6.12

relative Inform. Technology (IT)

olv3*	1.0	0.75	1.0	(1.0)
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olv4*	0.0	0.25	0.0	(0.0)
olv5*	1.0	0.75	1.0	(1.0)
olv5*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

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standard and adapted CIELAB

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olv5*	1.0	0.75	1.0	(1.0)
olv5*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

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olv5*	0.0	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	85.76	18.17	5.9
LAB*LAB	85.76	17.64	1.89
LAB*LAB	85.76	17.64	6.12

ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT)

olv3*	1.0	0.5	1.0	(1.0)
olv3*	0.0	0.5	0.0	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
olv4*	0.0	0.5	0.0	(0.0)
olv5*	1.0	0.5	1.0	(1.0)
olv5*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	75.92	35.91	7.13
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LAB*LAB	75.92	35.91	7.13

relative Inform. Technology (IT)

olv3*	1.0	0.5	1.0	(1.0)
olv3*	0.0	0.5	0.0	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
olv4*	0.0	0.5	0.0	(0.0)
olv5*	1.0	0.5	1.0	(1.0)
olv5*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

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relative Inform. Technology (IT)

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olv3*	0.0	0.5	0.0	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
olv4*	0.0	0.5	0.0	(0.0)
olv5*	1.0	0.5	1.0	(1.0)
olv5*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

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relative Inform. Technology (IT)

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olv4*	0.0	0.5	0.0	(0.0)
olv5*	1.0	0.5	1.0	(1.0)
olv5*	0.0	0.5	0.0	(0.0)

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olv4*	0.0	0.5	0.0	(0.0)
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olv4*	0.0	0.5	0.0	(0.0)
olv5*	1.0	0.5	1.0	(1.0)
olv5*	0.0	0.5	0.0	(0.0)

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olv4*	0.0	0.5	0.0	(0.0)
olv5*	1.0	0.5	1.0	(1.0)
olv5*	0.0	0.5	0.0	(0.0)

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olv3*	0.0	0.5	0.0	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
olv4*	0.0	0.5	0.0	(0.0)
olv5*	1.0	0.5	1.0	(1.0)
olv5*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	75.92	35.91	7.13
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relative Inform. Technology (IT)

olv3*	1.0	0.5	1.0	(1.0)
olv3*	0.0	0.5	0.0	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
olv4*	0.0	0.5	0.0	(0.0)
olv5*	1.0	0.5	1.0	(1.0)
olv5*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	75.92	35.91	7.13
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relative Inform. Technology (IT)

olv3*	1.0	0.5	1.0	(1.0)
olv3*	0.0	0.5	0.0	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
olv4*	0.0	0.5	0.0	(0.0)
olv5*	1.0	0.5	1.0	(1.0)
olv5*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	75.92	35.91	7.13
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relative Inform. Technology (IT)

olv3*	1.0	0.5	1.0	(1.0)
olv3*	0.0	0.5	0.0	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
olv4*	0.0	0.5	0.0	(0.0)
olv5*	1.0	0.5	1.0	(1.0)
olv5*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	75.92	35.91	7.13
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LAB*LAB	75.92	35.91	7.13

relative Inform. Technology (IT)

olv3*	1.0	0.5	1.0	(1.0)
olv3*	0.0	0.5	0.0	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
olv4*	0.0	0.5	0.0	(0.0)
olv5*	1.0	0.5	1.0	(1.0)
olv5*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	75.92	35.91	7.13
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LAB*LAB	75.92	35.91	7.13

relative Inform. Technology (IT)

olv3*	1.0	0.5	1.0	(1.0)
olv3*	0.0	0.5	0.0	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
olv4*	0.0	0.5	0.0	(0.0)
olv5*	1.0	0.5	1.0	(1.0)
olv5*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	75.92	35.91	7.13
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relative Inform. Technology (IT)

olv3*	1.0	0.5	1.0	(1.0)
olv3*	0.0	0.5	0.0	(0.0)
olv4*	1.0	0.5	1.0	(1.0)
olv4*	0.0	0.5	0.0	(0.0)
olv5*	1.0	0.5	1.0	(1.0)
olv5*	0.0	0.5	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	75.92	35.91	7.13
LAB*LAB	75.92	35.91	7.13
LAB*LAB	75.92	35.91	7.13

relative Inform. Technology (IT)

olv3*	1.0	0.5	1.0	(1.0)
olv3*	0.0	0.5	0.0	(0.

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 84/360 = 0.235$

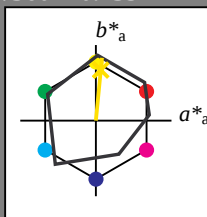
$lab \cdot tch$ and $lab \cdot nch$

A: hue J

LCH*Ma: 89 83 84

olv*Ma: 1.0 0.91 0.0

triangle lightness t^*



$u^*_{rel} = 96$

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 95.6 0.43 4.65
LAB*LABa 95.6 0.0 0.0
LAB*LABb 95.6 0.0 0.0
LAB*LABc 95.6 0.0 0.0

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

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 76.23 0.62 3.36
LAB*LABa 76.23 0.0 0.0
LAB*LABb 76.23 0.0 0.0
LAB*LABc 76.23 0.0 0.0

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*tce 0.75 0.0 0.0
lab*nce 0.75 0.0 0.0

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 56.86 0.8 2.08
LAB*LABa 56.86 0.0 0.0
LAB*LABb 56.86 0.0 0.0
LAB*LABc 56.86 0.0 0.0

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*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 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* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 37.49 1.8 0.79
LAB*LABa 37.49 0.0 0.0
LAB*LABb 37.49 0.0 0.0
LAB*LABc 37.49 0.0 0.0

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*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 18.12 0.0 0.0
LAB*LABa 18.12 0.0 0.0
LAB*LABb 18.12 0.0 0.0
LAB*LABc 18.12 0.0 0.0

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

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

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

ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
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V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	39
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT)
olv3* 1.0 0.954 0.5 (1.0)
cmyn3* 0.0 0.046 0.5 (0.0)
olv4* 1.0 0.954 0.5 1.0
cmyn4* 0.0 0.046 0.5 0.0
standard and adapted CIELAB
LAB*LAB 92.06 4.54 45.96
LAB*LABa 92.06 0.0 0.0
LAB*LABb 92.06 0.0 0.0
LAB*LABc 92.06 0.0 0.0

relative CIELAB lab*
lab*lab 0.954 0.048 0.498
lab*tch 0.75 0.5 0.235
lab*nch 0.0 0.5 0.235
relative Natural Colour (NC)
lab*trj 0.954 0.0 0.5
lab*tce 0.75 0.5 0.235
lab*nce 0.0 0.5 0.235

relative Inform. Technology (IT)
olv3* 0.75 0.704 0.25 (1.0)
cmyn3* 0.25 0.296 0.75 (0.0)
olv4* 1.0 0.954 0.5 0.75
cmyn4* 0.0 0.046 0.5 0.25
standard and adapted CIELAB
LAB*LAB 72.69 4.05 41.54
LAB*LABa 72.69 0.0 0.0
LAB*LABb 72.69 0.0 0.0
LAB*LABc 72.69 0.0 0.0

relative CIELAB lab*
lab*lab 0.704 0.048 0.498
lab*tch 0.5 0.5 0.235
lab*nch 0.0 0.5 0.235
relative Natural Colour (NC)
lab*trj 0.704 0.0 0.5
lab*tce 0.5 0.5 0.235
lab*nce 0.0 0.5 0.235

relative Inform. Technology (IT)
olv3* 0.5 0.454 0.0 (1.0)
cmyn3* 0.5 0.546 0.0 (0.0)
olv4* 1.0 0.954 0.5 0.5
cmyn4* 0.0 0.046 0.5 0.5
standard and adapted CIELAB
LAB*LAB 53.32 4.89 43.30
LAB*LABa 53.32 0.0 0.0
LAB*LABb 53.32 0.0 0.0
LAB*LABc 53.32 0.0 0.0

relative CIELAB lab*
lab*lab 0.454 0.048 0.498
lab*tch 0.25 0.5 0.235
lab*nch 0.0 0.5 0.235
relative Natural Colour (NC)
lab*trj 0.454 0.0 0.5
lab*tce 0.25 0.5 0.235
lab*nce 0.0 0.5 0.235

relative Inform. Technology (IT)
olv3* 0.25 0.319 1.0 (0.0)
cmyn3* 0.75 0.681 0.0 (1.0)
olv4* 1.0 0.931 0.25 0.75
cmyn4* 0.0 0.069 0.75 0.25
standard and adapted CIELAB
LAB*LAB 33.12 6.74 65.32
LAB*LABa 33.12 0.0 0.0
LAB*LABb 33.12 0.0 0.0
LAB*LABc 33.12 0.0 0.0

relative CIELAB lab*
lab*lab 0.319 0.048 0.498
lab*tch 0.25 0.5 0.235
lab*nch 0.0 0.5 0.235
relative Natural Colour (NC)
lab*trj 0.319 0.0 0.5
lab*tce 0.25 0.5 0.235
lab*nce 0.0 0.5 0.235

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

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

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 84/360 = 0.234$

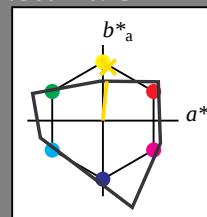
$lab \cdot tch$ and $lab \cdot nch$

A: hue J

LCH*Ma: 91 52 84

olv*Ma: 1.0 0.89 0.0

triangle lightness t^*



$u^*_{rel} = 141$

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
LAB*LABc 95.41 0.0 0.0

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

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 71.57 0.0 0.0
LAB*LABc 71.57 0.0 0.0

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*tce 0.75 0.0 0.0
lab*nce 0.75 0.0 0.0

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 56.86 0.8 2.08
LAB*LABa 56.86 0.0 0.0
LAB*LABb 56.86 0.0 0.0
LAB*LABc 56.86 0.0 0.0

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*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 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* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 37.49 1.8 0.79
LAB*LABa 37.49 0.0 0.0
LAB*LABb 37.49 0.0 0.0
LAB*LABc 37.49 0.0 0.0

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*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 18.12 0.0 0.0
LAB*LABa 18.12 0.0 0.0
LAB*LABb 18.12 0.0 0.0
LAB*LABc 18.12 0.0 0.0

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

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

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

TLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	65.56	73.34	51.39	89.55	35
Y _{Ma}	94.78	-3.49	52.24	52.36	94
L _{Ma}	77.48	-92.97	36.0	99.71	159
C _{Ma}	78.36	-82.69	-22.74	85.77	195
V _{Ma}	12.55	38.81	-114.81	121.2	289
M _{Ma}	66.71	76.08	-29.8	81.71	339
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	47.79	61.74	42.56	74.99	35
J _{CIE}	83.82	7.06	70.78	71.13	84
G _{CIE}	49.0	-35.95	4.34	36.22	173
B _{CIE}	25.14	-17.24	-56.24	58.84	253

%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

relative Inform. Technology (IT)
olv3* 1.0 0.915 0.5 (1.0)
cmyn3* 0.0 0.085 0.5 (0.0)
olv4* 1.0 0.915 0.5 1.0
cmyn4* 0.0 0.085 0.5 0.0
standard and adapted CIELAB
LAB*LAB 92.45 3.89 39.1
LAB*LABa 92.45 0.0 0.0
LAB*LABb 92.45 0.0 0.0
LAB*LABc 92.45 0.0 0.0

relative CIELAB lab*
lab*lab 0.915 0.074 0.746
lab*tch 0.75 0.5 0.234
lab*nch 0.0 0.5 0.234
relative Natural Colour (NC)
lab*trj 0.915 0.0 0.5
lab*tce 0.75 0.5 0.234
lab*nce 0.0 0.5 0.234

relative Inform. Technology (IT)
olv3* 0.75 0.683 0.25 (1.0)
cmyn3* 0.25 0.307 0.75 (0.0)
olv4* 1.0 0.915 0.5 0.75
cmyn4* 0.0 0.085 0.75 0.25
standard and adapted CIELAB
LAB*LAB 69.59 2.6 26.07
LAB*LABa 69.59 0.0 0.0
LAB*LABb 69.59 0.0 0.0
LAB*LABc 69.59 0.0 0.0

relative CIELAB lab*
lab*lab 0.683 0.074 0.746
lab*tch 0.5 0.5 0.234
lab*nch 0.0 0.5 0.234
relative Natural Colour (NC)
lab*trj 0.683 0.0 0.5
lab*tce 0.5 0.5 0.234
lab*nce 0.0 0.5 0.234

relative Inform. Technology (IT)
olv3* 0.5 0.528 0.75 (0.0)
cmyn3* 0.5 0.472 0.25 (1.0)
olv4* 1.0 0.915 0.5 0.5
cmyn4* 0.0 0.085 0.5 0.5
standard and adapted CIELAB
LAB*LAB 46.73 1.3 13.04
LAB*LABa 46.73 0.0 0.0
LAB*LABb 46.73 0.0 0.0
LAB*LABc 46.73 0.0 0.0

relative CIELAB lab*
lab*lab 0.472 0.074 0.746
lab*tch 0.25 0.5 0.234
lab*nch 0.0 0.5 0.234
relative Natural Colour (NC)
lab*trj 0.472 0.0 0.5
lab*tce 0.25 0.5 0.234
lab*nce 0.0 0.5 0.234

relative Inform. Technology (IT)
olv3* 0.25 0.319 1.0 (0.0)
cmyn3* 0.75 0.681 0.0 (1.0)
olv4* 1.0 0.931 0.25 0.75
cmyn4* 0.0 0.069 0.75 0.25
standard and adapted CIELAB
LAB*LAB 33.12 6.74 65.32
LAB*LABa 33.12 0.0 0.0
LAB*LABb 33.12 0.0 0.0
LAB*LABc 33.12 0.0 0.0

relative CIELAB lab*
lab*lab 0.319 0.048 0.498
lab*tch 0.25 0.5 0.235
lab*nch 0.0 0.5 0.235
relative Natural Colour (NC)
lab*trj 0.319 0.0 0.5
lab*tce 0.25 0.5 0.235
lab*nce 0.0 0.5 0.235

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

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

BAM-test chart SE50; Colorimetric systems ORS18 & ORS18

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

5 step scales for constant CIELAB hue 84/360 = 0.234 (right)

input: $cmY^* \text{ set } cmY^* \text{ color}$

output: $Startup (S) \text{ data dependent}$

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 176/360 = 0.488$

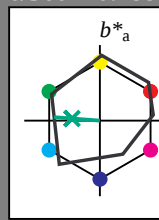
lab^*tch and lab^*nch

A: hue G

LCH*Ma: 51 61 176

olv*Ma: 0.0 1.0 0.33

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	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

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)
LAB*LAB	95.6	0.43	4.65	
LAB*LABa	95.6	0.0	0.0	
LAB*LABb	99.99	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.832	(1.0)
cmyn3*	0.25	0.0	0.168	(0.0)
olv4*	0.75	1.0	0.832	(1.0)
cmyn4*	0.25	0.0	0.168	(0.0)
LAB*LAB	84.45	-14.57	5.06	
LAB*LABa	84.45	-15.11	1.14	
LAB*LABb	97.5	15.16	17.57	

relative Inform. Technology (IT)

olv3*	0.5	1.0	0.664	(1.0)
cmyn3*	0.5	0.0	0.336	(0.0)
olv4*	0.5	1.0	0.664	(1.0)
cmyn4*	0.5	0.0	0.336	(0.0)
LAB*LAB	73.3	-29.59	5.45	
LAB*LABa	73.3	-30.23	2.28	
LAB*LABb	75.0	30.33	17.59	

relative Inform. Technology (IT)

olv3*	0.25	1.0	0.504	(1.0)
cmyn3*	0.25	0.0	0.496	(0.0)
olv4*	0.25	1.0	0.504	(1.0)
cmyn4*	0.25	0.0	0.496	(0.0)
LAB*LAB	62.16	-44.61	5.85	
LAB*LABa	62.16	-46.36	3.42	
LAB*LABb	62.5	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	1.0	0.328	(1.0)
cmyn3*	0.0	0.0	0.672	(0.0)
olv4*	0.0	1.0	0.328	(1.0)
cmyn4*	0.0	0.0	0.672	(0.0)
LAB*LAB	51.02	-59.62	6.26	
LAB*LABa	51.02	-60.48	4.56	
LAB*LABb	50.0	60.66	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.5	0.164	(0.5)
cmyn3*	0.0	0.5	0.836	(0.5)
olv4*	0.0	0.5	0.164	(0.5)
cmyn4*	0.0	0.5	0.836	(0.5)
LAB*LAB	42.16	-44.42	4.58	
LAB*LABa	42.16	-45.36	3.43	
LAB*LABb	42.5	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.25	0.082	(0.25)
cmyn3*	0.0	0.25	0.918	(0.25)
olv4*	0.0	0.25	0.082	(0.25)
cmyn4*	0.0	0.25	0.918	(0.25)
LAB*LAB	33.33	-30.24	2.28	
LAB*LABa	33.33	-30.24	2.28	
LAB*LABb	30.0	30.34	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.164	(0.0)
cmyn3*	0.0	0.0	0.836	(0.0)
olv4*	0.0	0.0	0.164	(0.0)
cmyn4*	0.0	0.0	0.836	(0.0)
LAB*LAB	25.0	-44.42	4.58	
LAB*LABa	25.0	-45.36	3.43	
LAB*LABb	25.0	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.082	(0.0)
cmyn3*	0.0	0.0	0.918	(0.0)
olv4*	0.0	0.0	0.082	(0.0)
cmyn4*	0.0	0.0	0.918	(0.0)
LAB*LAB	16.67	-30.24	2.28	
LAB*LABa	16.67	-30.24	2.28	
LAB*LABb	15.0	30.34	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0164	(0.0)
cmyn3*	0.0	0.0	0.9836	(0.0)
olv4*	0.0	0.0	0.0164	(0.0)
cmyn4*	0.0	0.0	0.9836	(0.0)
LAB*LAB	10.0	-44.42	4.58	
LAB*LABa	10.0	-45.36	3.43	
LAB*LABb	10.0	45.5	17.59	

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)
LAB*LAB	76.23	0.62	3.36	
LAB*LABa	76.23	0.0	0.0	
LAB*LABb	75.0	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.5	0.75	0.504	(1.0)
cmyn3*	0.5	0.25	0.496	(0.0)
olv4*	0.5	1.0	0.504	(1.0)
cmyn4*	0.5	0.0	0.496	(0.0)
LAB*LAB	65.08	-14.39	3.77	
LAB*LABa	65.08	-15.12	1.14	
LAB*LABb	62.5	15.17	17.59	

relative Inform. Technology (IT)

olv3*	0.25	0.75	0.258	(1.0)
cmyn3*	0.25	0.25	0.742	(0.0)
olv4*	0.25	1.0	0.258	(1.0)
cmyn4*	0.25	0.0	0.742	(0.0)
LAB*LAB	53.93	-29.41	4.17	
LAB*LABa	53.93	-30.24	2.28	
LAB*LABb	50.0	30.34	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.75	0.164	(0.75)
cmyn3*	0.0	0.25	0.836	(0.75)
olv4*	0.0	1.0	0.164	(0.75)
cmyn4*	0.0	0.0	0.836	(0.75)
LAB*LAB	42.16	-44.42	4.58	
LAB*LABa	42.16	-45.36	3.43	
LAB*LABb	42.5	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.5	0.082	(0.5)
cmyn3*	0.0	0.5	0.918	(0.5)
olv4*	0.0	0.5	0.082	(0.5)
cmyn4*	0.0	0.5	0.918	(0.5)
LAB*LAB	33.33	-30.24	2.28	
LAB*LABa	33.33	-30.24	2.28	
LAB*LABb	30.0	30.34	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.25	0.032	(0.25)
cmyn3*	0.0	0.25	0.968	(0.25)
olv4*	0.0	0.25	0.032	(0.25)
cmyn4*	0.0	0.25	0.968	(0.25)
LAB*LAB	25.0	-44.42	4.58	
LAB*LABa	25.0	-45.36	3.43	
LAB*LABb	25.0	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.032	(0.0)
cmyn3*	0.0	0.0	0.968	(0.0)
olv4*	0.0	0.0	0.032	(0.0)
cmyn4*	0.0	0.0	0.968	(0.0)
LAB*LAB	16.67	-30.24	2.28	
LAB*LABa	16.67	-30.24	2.28	
LAB*LABb	15.0	30.34	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0032	(0.0)
cmyn3*	0.0	0.0	0.9968	(0.0)
olv4*	0.0	0.0	0.0032	(0.0)
cmyn4*	0.0	0.0	0.9968	(0.0)
LAB*LAB	10.0	-44.42	4.58	
LAB*LABa	10.0	-45.36	3.43	
LAB*LABb	10.0	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.00032	(0.0)
cmyn3*	0.0	0.0	0.99968	(0.0)
olv4*	0.0	0.0	0.00032	(0.0)
cmyn4*	0.0	0.0	0.99968	(0.0)
LAB*LAB	6.25	-44.42	4.58	
LAB*LABa	6.25	-45.36	3.43	
LAB*LABb	6.25	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.000032	(0.0)
cmyn3*	0.0	0.0	0.999968	(0.0)
olv4*	0.0	0.0	0.000032	(0.0)
cmyn4*	0.0	0.0	0.999968	(0.0)
LAB*LAB	3.125	-44.42	4.58	
LAB*LABa	3.125	-45.36	3.43	
LAB*LABb	3.125	45.5	17.59	

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)
LAB*LAB	56.86	0.0	2.08	
LAB*LABa	56.86	0.0	0.0	
LAB*LABb	55.0	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.25	0.5	0.164	(1.0)
cmyn3*	0.75	0.5	0.836	(0.0)
olv4*	0.25	1.0	0.164	(1.0)
cmyn4*	0.75	0.0	0.836	(0.0)
LAB*LAB	45.71	-14.2	3.48	
LAB*LABa	45.71	-15.12	1.14	
LAB*LABb	42.5	15.17	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.5	0.082	(0.5)
cmyn3*	0.0	0.5	0.918	(0.5)
olv4*	0.0	1.0	0.082	(0.5)
cmyn4*	0.0	0.0	0.918	(0.5)
LAB*LAB	33.33	-29.41	4.17	
LAB*LABa	33.33	-30.24	2.28	
LAB*LABb	30.0	30.34	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.25	0.032	(0.25)
cmyn3*	0.0	0.25	0.968	(0.25)
olv4*	0.0	1.0	0.032	(0.25)
cmyn4*	0.0	0.0	0.968	(0.25)
LAB*LAB	25.0	-44.42	4.58	
LAB*LABa	25.0	-45.36	3.43	
LAB*LABb	25.0	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.032	(0.0)
cmyn3*	0.0	0.0	0.968	(0.0)
olv4*	0.0	1.0	0.032	(0.0)
cmyn4*	0.0	0.0	0.968	(0.0)
LAB*LAB	16.67	-30.24	2.28	
LAB*LABa	16.67	-30.24	2.28	
LAB*LABb	15.0	30.34	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0032	(0.0)
cmyn3*	0.0	0.0	0.9968	(0.0)
olv4*	0.0	1.0	0.0032	(0.0)
cmyn4*	0.0	0.0	0.9968	(0.0)
LAB*LAB	10.0	-44.42	4.58	
LAB*LABa	10.0	-45.36	3.43	
LAB*LABb	10.0	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.00032	(0.0)
cmyn3*	0.0	0.0	0.99968	(0.0)
olv4*	0.0	1.0	0.00032	(0.0)
cmyn4*	0.0	0.0	0.99968	(0.0)
LAB*LAB	6.25	-44.42	4.58	
LAB*LABa	6.25	-45.36	3.43	
LAB*LABb	6.25	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.000032	(0.0)
cmyn3*	0.0	0.0	0.999968	(0.0)
olv4*	0.0	1.0	0.000032	(0.0)
cmyn4*	0.0	0.0	0.999968	(0.0)
LAB*LAB	3.125	-44.42	4.58	
LAB*LABa	3.125	-45.36	3.43	
LAB*LABb	3.125	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0000032	(0.0)
cmyn3*	0.0	0.0	0.9999968	(0.0)
olv4*	0.0	1.0	0.0000032	(0.0)
cmyn4*	0.0	0.0	0.9999968	(0.0)
LAB*LAB	1.5625	-44.42	4.58	
LAB*LABa	1.5625	-45.36	3.43	
LAB*LABb	1.5625	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.00000032	(0.0)
cmyn3*	0.0	0.0	0.99999968	(0.0)
olv4*	0.0	1.0	0.00000032	(0.0)
cmyn4*	0.0	0.0	0.99999968	(0.0)
LAB*LAB				

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 252/360 = 0.7$

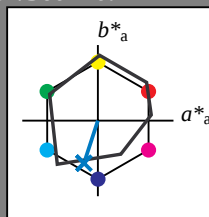
lab^*tch and lab^*nch

A: hue B

LCH*Ma: 40 55 252

olv*Ma: 0.0 0.56 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 96$

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	95.6	0.43	4.65	
LAB*LAB	95.6	0.0	0.0	
LAB*TCh	99.99	0.01	-	

relative Inform. Technology (IT)

olv3*	0.75	0.891	1.0	(1.0)
olv3*	0.25	0.109	0.0	(0.0)
olv4*	0.75	0.891	1.0	(1.0)
olv4*	0.25	0.109	0.0	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	81.72	-3.66	-9.22	
LAB*LAB	81.72	-4.23	-12.95	
LAB*TCh	87.5	13.64	251.9	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	76.23	0.62	3.36	
LAB*LAB	76.23	0.0	0.0	
LAB*TCh	75.0	0.01	-	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.86	0.2	2.08	
LAB*LAB	56.86	0.0	0.0	
LAB*TCh	50.0	0.01	-	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.86	0.2	2.08	
LAB*LAB	56.86	0.0	0.0	
LAB*TCh	50.0	0.01	-	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.86	0.2	2.08	
LAB*LAB	56.86	0.0	0.0	
LAB*TCh	50.0	0.01	-	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.86	0.2	2.08	
LAB*LAB	56.86	0.0	0.0	
LAB*TCh	50.0	0.01	-	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.86	0.2	2.08	
LAB*LAB	56.86	0.0	0.0	
LAB*TCh	50.0	0.01	-	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.86	0.2	2.08	
LAB*LAB	56.86	0.0	0.0	
LAB*TCh	50.0	0.01	-	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	56.86	0.2	2.08	
LAB*LAB	56.86	0.0	0.0	
LAB*TCh	50.0	0.01	-	

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
RC _{IE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	67.84	-7.76	-23.11	
LAB*LAB	67.84	-8.46	-25.32	
LAB*TCh	75.0	27.28	251.91	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	67.84	-7.76	-23.11	
LAB*LAB	67.84	-8.46	-25.32	
LAB*TCh	75.0	27.28	251.91	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	67.84	-7.76	-23.11	
LAB*LAB	67.84	-8.46	-25.32	
LAB*TCh	75.0	27.28	251.91	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	67.84	-7.76	-23.11	
LAB*LAB	67.84	-8.46	-25.32	
LAB*TCh	75.0	27.28	251.91	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	67.84	-7.76	-23.11	
LAB*LAB	67.84	-8.46	-25.32	
LAB*TCh	75.0	27.28	251.91	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	67.84	-7.76	-23.11	
LAB*LAB	67.84	-8.46	-25.32	
LAB*TCh	75.0	27.28	251.91	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	67.84	-7.76	-23.11	
LAB*LAB	67.84	-8.46	-25.32	
LAB*TCh	75.0	27.28	251.91	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	67.84	-7.76	-23.11	
LAB*LAB	67.84	-8.46	-25.32	
LAB*TCh	75.0	27.28	251.91	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	67.84	-7.76	-23.11	
LAB*LAB	67.84	-8.46	-25.32	
LAB*TCh	75.0	27.28	251.91	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	67.84	-7.76	-23.11	
LAB*LAB	67.84	-8.46	-25.32	
LAB*TCh	75.0	27.28	251.91	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	67.84	-7.76	-23.11	
LAB*LAB	67.84	-8.46	-25.32	
LAB*TCh	75.0	27.28	251.91	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	67.84	-7.76	-23.11	
LAB*LAB	67.84	-8.46	-25.32	
LAB*TCh	75.0	27.28	251.91	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	67.84	-7.76	-23.11	
LAB*LAB	67.84	-8.46	-25.32	
LAB*TCh	75.0	27.28	251.91	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	67.84	-7.76	-23.11	
LAB*LAB	67.84	-8.46	-25.32	
LAB*TCh	75.0	27.28	251.91	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	67.84	-7.76	-23.11	
LAB*LAB	67.84	-8.46	-25.32	
LAB*TCh	75.0	27.28	251.91	

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)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	67.84	-7.76	-23.11	
LAB*LAB	67.84	-8.46	-25.32	
LAB*TCh	75.0	27.28	251.91	

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.25$