

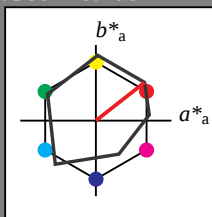
Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.106$ lab^*tch and lab^*nch

A: hue 0

LCH*Ma: 48 82 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^* 

% Gamut

 $u^*_{rel} = 96$

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 95.6 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*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)
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 76.23 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 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 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 0.0 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 56.86 0.8 2.08
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*tch 0.5 0.0 0.0
lab*nch 0.0 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 0.0 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 37.48 1.18 0.79
LAB*LAB 37.48 0.0 0.0
LAB*LAB 37.48 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 0.0 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 0.0 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 18.12 1.18 0.49
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*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

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 0.01 0.01
LAB*LAB 0.01 0.0 0.0
LAB*LAB 0.01 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
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

relative Inform. Technology (IT)
olv3* 1.0 0.75 0.75 (1.0)
cmv3* 0.0 0.25 0.25 (0.0)
olv4* 1.0 0.75 0.75 (1.0)
cmv4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 83.68 16.64 16.51
LAB*LAB 83.68 16.1 12.64
LAB*LAB 83.68 16.1 12.64

relative CIELAB lab*
lab*lab 0.846 0.197 0.154
lab*tch 0.875 0.25 0.106
lab*nch 0.0 0.25 0.106
relative Natural Colour (NC)
lab*tr 0.846 0.248 0.032
lab*tce 0.875 0.25 0.02
lab*nce 0.0 0.25 0.02

relative Inform. Technology (IT)
olv3* 0.75 0.5 0.5 (1.0)
cmv3* 0.25 0.5 0.5 (0.0)
olv4* 1.0 0.75 0.75 (1.0)
cmv4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 64.31 16.84 15.22
LAB*LAB 64.31 16.1 12.64
LAB*LAB 64.31 16.1 12.64

relative CIELAB lab*
lab*lab 0.596 0.197 0.154
lab*tch 0.625 0.25 0.106
lab*nch 0.0 0.25 0.106
relative Natural Colour (NC)
lab*tr 0.596 0.248 0.032
lab*tce 0.625 0.25 0.02
lab*nce 0.0 0.25 0.02

relative Inform. Technology (IT)
olv3* 0.5 0.25 0.25 (1.0)
cmv3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 0.75 0.75 (1.0)
cmv4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 44.35 17.02 13.94
LAB*LAB 44.35 16.1 12.64
LAB*LAB 44.35 16.1 12.64

relative CIELAB lab*
lab*lab 0.346 0.197 0.154
lab*tch 0.375 0.25 0.106
lab*nch 0.0 0.25 0.106
relative Natural Colour (NC)
lab*tr 0.346 0.248 0.032
lab*tce 0.375 0.25 0.02
lab*nce 0.0 0.25 0.02

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (1.0)
cmv3* 0.75 1.0 1.0 (0.0)
olv4* 1.0 0.75 0.75 (1.0)
cmv4* 0.0 0.25 0.25 0.75
standard and adapted CIELAB
LAB*LAB 25.37 17.21 12.65
LAB*LAB 25.37 16.1 12.64
LAB*LAB 25.37 16.1 12.64

relative CIELAB lab*
lab*lab 0.096 0.197 0.154
lab*tch 0.125 0.25 0.106
lab*nch 0.0 0.25 0.106
relative Natural Colour (NC)
lab*tr 0.096 0.248 0.032
lab*tce 0.125 0.25 0.02
lab*nce 0.0 0.25 0.02

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 18.12 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*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

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 0.0 0.0 0.0
LAB*LAB 0.0 0.0 0.0
LAB*LAB 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
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 0.5 (1.0)
cmv3* 0.0 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 71.77 32.2 25.28
LAB*LAB 71.77 32.2 25.28
LAB*LAB 71.77 32.2 25.28

relative CIELAB lab*
lab*lab 0.692 0.393 0.309
lab*tch 0.75 0.5 0.106
lab*nch 0.0 0.5 0.106
relative Natural Colour (NC)
lab*tr 0.692 0.496 0.064
lab*tce 0.75 0.5 0.02
lab*nce 0.0 0.5 0.02

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.0 (1.0)
cmv3* 0.25 0.75 0.75 (0.0)
olv4* 1.0 0.5 0.5 0.75
cmv4* 0.0 0.5 0.5 0.25
standard and adapted CIELAB
LAB*LAB 52.4 33.06 27.08
LAB*LAB 52.4 32.21 25.29
LAB*LAB 52.4 32.21 25.29

relative CIELAB lab*
lab*lab 0.442 0.393 0.309
lab*tch 0.5 0.5 0.106
lab*nch 0.0 0.5 0.106
relative Natural Colour (NC)
lab*tr 0.442 0.496 0.064
lab*tce 0.5 0.5 0.02
lab*nce 0.0 0.5 0.02

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmv3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 0.5
cmv4* 0.0 0.5 0.5 0.5
standard and adapted CIELAB
LAB*LAB 40.48 49.27 38.93
LAB*LAB 40.48 49.27 38.93
LAB*LAB 40.48 49.27 38.93

relative CIELAB lab*
lab*lab 0.289 0.59 0.463
lab*tch 0.375 0.75 0.106
lab*nch 0.0 0.75 0.106
relative Natural Colour (NC)
lab*tr 0.289 0.744 0.096
lab*tce 0.375 0.75 0.02
lab*nce 0.0 0.75 0.02

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (1.0)
cmv3* 0.75 1.0 1.0 (0.0)
olv4* 1.0 0.5 0.5 0.75
cmv4* 0.0 0.5 0.5 0.25
standard and adapted CIELAB
LAB*LAB 33.03 32.2 25.28
LAB*LAB 33.03 32.2 25.28
LAB*LAB 33.03 32.2 25.28

relative CIELAB lab*
lab*lab 0.193 0.393 0.309
lab*tch 0.25 0.5 0.106
lab*nch 0.0 0.5 0.106
relative Natural Colour (NC)
lab*tr 0.193 0.496 0.064
lab*tce 0.25 0.5 0.02
lab*nce 0.0 0.5 0.02

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 18.12 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*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

 $n^* = 0.00$ $n^* = 0.25$ $n^* = 0.50$ $n^* = 0.75$ $n^* = 1.00$ $n^* = 1.25$ $n^* = 1.50$ $n^* = 1.75$ $n^* = 2.00$ $n^* = 2.25$ $n^* = 2.50$ $n^* = 2.75$ $n^* = 3.00$ $n^* = 3.25$ $n^* = 3.50$ $n^* = 3.75$ $n^* = 4.00$ $n^* = 4.25$ $n^* = 4.50$ $n^* = 4.75$ $n^* = 5.00$ $n^* = 5.25$ $n^* = 5.50$ $n^* = 5.75$ $n^* = 6.00$ $n^* = 6.25$ $n^* = 6.50$ $n^* = 6.75$ $n^* = 7.00$ $n^* = 7.25$ $n^* = 7.50$ $n^* = 7.75$ $n^* = 8.00$ $n^* = 8.25$ $n^* = 8.50$ $n^* = 8.75$ $n^* = 9.00$ $n^* = 9.25$ $n^* = 9.50$ $n^* = 9.75$ $n^* = 10.00$ $n^* = 10.25$ $n^* = 10.50$ $n^* = 10.75$ $n^* = 11.00$ $n^* = 11.25$ $n^* = 11.50$ $n^* = 11.75$ $n^* = 12.00$ $n^* = 12.25$ $n^* = 12.50$ $n^* = 12.75$ $n^* = 13.00$ $n^* = 13.25$ $n^* = 13.50$ $n^* = 13.75$ $n^* = 14.00$ $n^* = 14.25$ $n^* = 14.50$ $n^* = 14.75$ $n^* = 15.00$ $n^* = 15.25$ $n^$

Input: Colorimetric Offset Reflective System ORS18

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

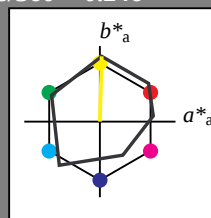
lab^*tch and lab^*nch

A: hue Y

LCH*Ma: 93 86 88

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



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)
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	95.6	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*	1.0	1.0	0.75	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.75	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	94.85	1.04	26.19
LAB*LABa	94.85	0.0	21.58
LAB*LABb	97.5	21.59	88.4

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	94.1	1.65	47.73
LAB*LABa	94.1	1.21	43.18
LAB*LABb	97.5	43.18	88.4

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	93.36	2.26	69.27
LAB*LABa	93.36	1.81	64.76
LAB*LABb	97.5	64.76	88.4

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	92.61	2.87	90.8
LAB*LABa	92.61	2.41	86.34
LAB*LABb	97.5	86.34	88.4

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	95.24	-0.86	13.05
LAB*LABa	95.24	-0.86	13.05
LAB*LABb	97.5	13.05	93.83

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	95.09	-1.74	26.11
LAB*LABa	95.09	-1.74	26.11
LAB*LABb	97.5	26.11	93.83

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	94.93	-2.61	39.17
LAB*LABa	94.93	-2.61	39.17
LAB*LABb	97.5	39.17	93.83

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	94.77	-3.49	52.23
LAB*LABa	94.77	-3.49	52.23
LAB*LABb	97.5	52.23	93.83

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	76.23	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*	0.75	0.75	0.5	(1.0)
cmv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	0.75	(1.0)
cmv4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	75.48	1.23	24.91
LAB*LABa	75.48	0.6	21.59
LAB*LABb	75.48	21.59	88.4

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	74.74	1.84	46.45
LAB*LABa	74.74	1.21	43.18
LAB*LABb	74.74	43.18	88.4

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	73.99	2.45	67.98
LAB*LABa	73.99	1.81	64.76
LAB*LABb	73.99	64.76	88.4

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	72.61	2.87	90.8
LAB*LABa	72.61	2.41	86.34
LAB*LABb	72.61	86.34	88.4

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	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	47.55	-0.87	13.06
LAB*LABa	47.55	-0.87	13.06
LAB*LABb	47.55	13.06	93.83

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	47.25	-1.74	26.12
LAB*LABa	47.25	-1.74	26.12
LAB*LABb	47.25	26.12	93.83

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	47.14	-2.61	39.17
LAB*LABa	47.14	-2.61	39.17
LAB*LABb	47.14	39.17	93.83

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	46.99	-3.49	52.23
LAB*LABa	46.99	-3.49	52.23
LAB*LABb	46.99	52.23	93.83

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	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	56.86	0.8	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	0.25	0.5	(1.0)
cmv3*	0.75	0.75	0.5	(0.0)
olv4*	1.0	1.0	0.75	(1.0)
cmv4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	56.11	1.42	23.62
LAB*LABa	56.11	0.6	21.59
LAB*LABb	56.11	21.59	88.4

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	55.37	2.02	45.36
LAB*LABa	55.37	1.21	43.17
LAB*LABb	55.37	43.17	88.4

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	53.71	2.45	67.98
LAB*LABa	53.71	1.81	64.76
LAB*LABb	53.71	64.76	88.4

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	52.61	2.87	90.8
LAB*LABa	52.61	2.41	86.34
LAB*LABb	52.61	86.34	88.4

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	52.01	3.49	52.23
LAB*LABa	52.01	3.49	52.23
LAB*LABb	52.01	52.23	93.83

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	51.49	4.03	52.23
LAB*LABa	51.49	4.03	52.23
LAB*LABb	51.49	52.23	93.83

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	50.97	4.65	52.23
LAB*LABa	50.97	4.65	52.23
LAB*LABb	50.97	52.23	93.83

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	50.45	5.23	52.23
LAB*LABa	50.45	5.23	52.23
LAB*LABb	50.45	52.23	93.83

relative Inform. Technology (IT)

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

standard and adapted CIELAB

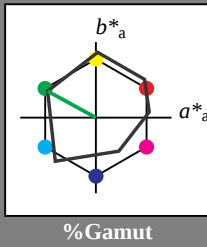
LAB*LAB	5
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Input: Colorimetric Offset Reflective System ORS18

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^*



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*LAB 95.6 0.0 0.0
LAB*TChA 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*trj 1.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.23 0.62 3.36
LAB*LAB 76.23 0.0 0.0
LAB*TChA 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 0.0 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 0.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.86 0.2 2.08
LAB*LAB 56.86 0.0 0.0
LAB*TChA 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 0.0 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 0.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.49 0.18 0.79
LAB*LAB 37.49 0.0 0.0
LAB*TChA 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 0.0 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 0.0 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 18.12 0.18 0.49
LAB*LAB 18.12 0.0 0.0
LAB*TChA 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*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.18 0.49
LAB*LAB 18.12 0.0 0.0
LAB*TChA 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*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 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
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* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.25 -31.9 17.51
LAB*LAB 73.25 -31.9 17.51
LAB*TChA 75.0 36.4 151.25

relative CIELAB lab*
lab*lab 0.712 -0.437 0.24
lab*tch 0.75 0.5 0.42
lab*nch 0.0 0.5 0.42
relative Natural Colour (NC)
lab*trj 0.712 -0.455 0.204
lab*tce 0.75 0.5 0.433
lab*nce 0.0 0.5 0.433

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 53.88 -31.07 19.4
LAB*LAB 53.88 -31.07 19.4
LAB*TChA 50.0 36.4 151.25

relative CIELAB lab*
lab*lab 0.462 -0.437 0.241
lab*tch 0.5 0.5 0.42
lab*nch 0.0 0.5 0.42
relative Natural Colour (NC)
lab*trj 0.462 -0.455 0.204
lab*tce 0.5 0.5 0.433
lab*nce 0.0 0.5 0.433

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 34.51 -31.9 17.51
LAB*LAB 34.51 -31.9 17.51
LAB*TChA 50.0 36.4 151.25

relative CIELAB lab*
lab*lab 0.212 -0.437 0.24
lab*tch 0.25 0.5 0.42
lab*nch 0.0 0.5 0.42
relative Natural Colour (NC)
lab*trj 0.212 -0.455 0.204
lab*tce 0.25 0.5 0.433
lab*nce 0.0 0.5 0.433

relative Inform. Technology (IT)
olv3* 0.106 -0.218 0.12
cmyn3* 0.125 0.25 0.42
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 26.31 -15.94 8.75
LAB*LAB 26.31 -15.94 8.75
LAB*TChA 12.5 18.19 151.25

relative CIELAB lab*
lab*lab 0.106 -0.218 0.12
lab*tch 0.125 0.25 0.42
lab*nch 0.0 0.5 0.42
relative Natural Colour (NC)
lab*trj 0.106 -0.241 0.102
lab*tce 0.125 0.25 0.433
lab*nce 0.0 0.5 0.433

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 0.18 0.49
LAB*LAB 18.12 0.0 0.0
LAB*TChA 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*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 1.0 0.25 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olv4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.25 0.5 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 62.07 -47.1 28.69
LAB*LAB 62.07 -47.1 28.69
LAB*TChA 62.5 54.6 151.25

relative CIELAB lab*
lab*lab 0.567 -0.656 0.361
lab*tch 0.625 0.75 0.42
lab*nch 0.0 0.75 0.42
relative Natural Colour (NC)
lab*trj 0.567 -0.684 0.306
lab*tce 0.625 0.75 0.433
lab*nce 0.0 0.75 0.433

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.0 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.0 1.0 0.0 (1.0)
cmyn4* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 50.9 -62.95 36.7
LAB*LAB 50.9 -62.95 36.7
LAB*TChA 50.0 72.79 151.25

relative CIELAB lab*
lab*lab 0.423 -0.876 0.481
lab*tch 0.5 1.0 0.42
lab*nch 0.0 1.0 0.42
relative Natural Colour (NC)
lab*trj 0.423 -0.912 0.408
lab*tce 0.5 1.0 0.433
lab*nce 0.0 1.0 0.433

relative Inform. Technology (IT)
olv3* 0.317 -0.656 0.361
cmyn3* 0.375 0.75 0.42
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.375 0.75 0.42
standard and adapted CIELAB
LAB*LAB 42.71 -46.92 27.41
LAB*LAB 42.71 -46.92 27.41
LAB*TChA 37.51 54.6 151.25

relative CIELAB lab*
lab*lab 0.317 -0.656 0.361
lab*tch 0.375 0.75 0.42
lab*nch 0.0 0.75 0.42
relative Natural Colour (NC)
lab*trj 0.317 -0.684 0.306
lab*tce 0.375 0.75 0.433
lab*nce 0.0 0.75 0.433

relative Inform. Technology (IT)
olv3* 0.0 0.25 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 23.87 0.0 0.0
LAB*LAB 23.87 0.0 0.0
LAB*TChA 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 0.0 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 0.0 0.0 0.0

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

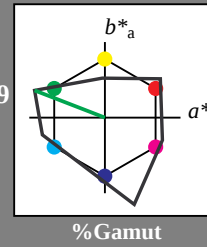
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

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^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0
LAB*TChA 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*trj 1.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LAB 71.57 0.0 0.0
LAB*TChA 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 0.0 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 0.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.9 -62.95 36.7
LAB*LAB 50.9 -62.95 36.7
LAB*TChA 50.0 72.79 151.25

relative CIELAB lab*
lab*lab 0.423 -0.876 0.481
lab*tch 0.5 1.0 0.42
lab*nch 0.0 1.0 0.42
relative Natural Colour (NC)
lab*trj 0.423 -0.912 0.408
lab*tce 0.5 1.0 0.433
lab*nce 0.0 1.0 0.433

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 50.9 -62.95 36.7
LAB*LAB 50.9 -62.95 36.7
LAB*TChA 50.0 72.79 151.25

relative CIELAB lab*
lab*lab 0.423 -0.876 0.481
lab*tch 0.5 1.0 0.42
lab*nch 0.0 1.0 0.42
relative Natural Colour (NC)
lab*trj 0.423 -0.912 0.408
lab*tce 0.5 1.0 0.433
lab*nce 0.0 1.0 0.433

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 34.51 -31.9 17.51
LAB*LAB 34.51 -31.9 17.51
LAB*TChA 50.0 36.4 151.25

relative CIELAB lab*
lab*lab 0.212 -0.437 0.24
lab*tch 0.25 0.5 0.42
lab*nch 0.0 0.5 0.42
relative Natural Colour (NC)
lab*trj 0.212 -0.455 0.204
lab*tce 0.25 0.5 0.433
lab*nce 0.0 0.5 0.433

relative Inform. Technology (IT)
olv3* 0.106 -0.218 0.12
cmyn3* 0.125 0.25 0.42
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 26.31 -15.94 8.75
LAB*LAB 26.31 -15.94 8.75
LAB*TChA 12.5 18.19 151.25

relative CIELAB lab*
lab*lab 0.106 -0.218 0.12
lab*tch 0.125 0.25 0.42
lab*nch 0.0 0.5 0.42
relative Natural Colour (NC)
lab*trj 0.106 -0.241 0.102
lab*tce 0.125 0.25 0.433
lab*nce 0.0 0.5 0.433

relative Inform. Technology (IT)
olv3* 0.25 1.0 0.25 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olv4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.25 0.5 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 62.07 -47.1 28.69
LAB*LAB 62.07 -47.1 28.69
LAB*TChA 62.5 54.6 151.25

relative CIELAB lab*
lab*lab 0.567 -0.656 0.361
lab*tch 0.625 0.75 0.42
lab*nch 0.0 0.75 0.42
relative Natural Colour (NC)
lab*trj 0.567 -0.684 0.306
lab*tce 0.625 0.75 0.433
lab*nce 0.0 0.75 0.433

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.0 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.0 1.0 0.0 (1.0)
cmyn4* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 50.9 -62.95 36.7
LAB*LAB 50.9 -62.95 36.7
LAB*TChA 50.0 72.79 151.25

relative CIELAB lab*
lab*lab 0.423 -0.876 0.481
lab*tch 0.5 1.0 0.42
lab*nch 0.0 1.0 0.42
relative Natural Colour (NC)
lab*trj 0.423 -0.912 0.408
lab*tce 0.5 1.0 0.433
lab*nce 0.0 1.0 0.433

relative Inform. Technology (IT)
olv3* 0.317 -0.656 0.361
cmyn3* 0.375 0.75 0.42
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.375 0.75 0.42
standard and adapted CIELAB
LAB*LAB 42.71 -46.92 27.41
LAB*LAB 42.71 -46.92 27.41
LAB*TChA 37.51 54.6 151.25

relative CIELAB lab*
lab*lab 0.317 -0.656 0.361
lab*tch 0.375 0.75 0.42
lab*nch 0.0 0.75 0.42
relative Natural Colour (NC)
lab*trj 0.317 -0.684 0.306
lab*tce 0.375 0.75 0.433
lab*nce 0.0 0.75 0.433

relative Inform. Technology (IT)
olv3* 0.0 0.25 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 23.87 0.0 0.0
LAB*LAB 23.87 0.0 0.0
LAB*TChA 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 0.0 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 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LAB 0.0 0.0 0.0
LAB*TChA 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*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	h^*_{ab}
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

Input: Colorimetric Offset Reflective System ORS18

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

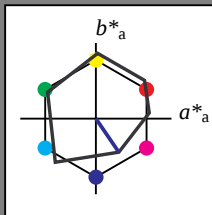
lab^*tch and lab^*nch

A: hue V

LCH*Ma: 26 54 304

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



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

relative Inform. Technology (IT)

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

LAB*TCHa	87.5	13.43	304.36
relative CIELAB lab*			
lab*lab	0.775	0.141	-0.203
lab*tch	0.875	0.25	0.845
lab*nch	0.0	0.25	0.845
relative Natural Colour (NC)			
lab*lrj	0.775	0.137	-0.203
lab*tce	0.875	0.25	0.842
lab*nce	0.0	0.25	b36r

Input: Colorimetric Offset Reflective System ORS18

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

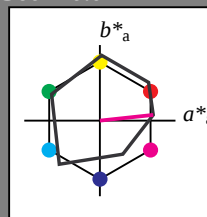
lab^*tch and lab^*nch

A: hue M

LCH*Ma: 56 71 6

olv*Ma: 1.0 0.0 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

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

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

%Gamut

$u^*_{rel} = 96$

%Regularity

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

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

%Gamut

$u^*_{rel} = 96$

%Regularity

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

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

%Gamut

$u^*_{rel} = 96$

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

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

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

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$u^*_{rel} = 96$

%Regularity

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

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

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$u^*_{rel} = 96$

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

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

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

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

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

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

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%Regularity

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

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

%Gamut

$u^*_{rel} = 96$

%Regularity

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

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

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$u^*_{rel} = 96$

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

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%Gamut

$u^*_{rel} = 96$

%Regularity

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

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

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$u^*_{rel} = 96$

%Regularity

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

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

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

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

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$u^*_{rel} = 96$

%Regularity

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

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

%Gamut

$u^*_{rel} = 96$

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

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

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$u^*_{rel} = 96$

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

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

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$u^*_{rel} = 96$

%Regularity

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

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

%Gamut

$u^*_{rel} = 96$

%Regularity

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

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

%Gamut

$u^*_{rel} = 96$

%Regularity

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

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

%Gamut

$u^*_{rel} = 96$

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

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

%Gamut

$u^*_{rel} = 96$

%Regularity

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

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

%Gamut

$u^*_{rel} = 96$

%Regularity

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

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

%Gamut

$u^*_{rel} = 96$

%Regularity

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

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

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%Regularity

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

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

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$u^*_{rel} = 96$

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

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

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

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

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$u^*_{rel} = 96$

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

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

%Gamut

$u^*_{rel} = 96$

%Regularity

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

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

%Gamut

$u^*_{rel} = 96$

%Regularity

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

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

%Gamut

$u^*_{rel} = 96$

%Regularity

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

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 34/360 = 0.095$

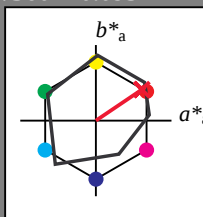
lab^*tch and lab^*nch

A: hue R

LCH*Ma: 49 79 34

olv*Ma: 1.0 0.0 0.15

triangle lightness t^*



$u^*_{rel} = 96$

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	95.6	0.43	4.65	
LAB*Lab	95.6	0.0	0.0	
LAB*TCh	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*trj	1.0	0.0	0.0	-
lab*tce	1.0	0.0	0.0	-
lab*nce	0.0	0.0	0.0	-

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
cmv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.23	0.62	3.36	
LAB*Lab	76.23	0.0	0.0	
LAB*TCh	75.0	0.01	-	

relative CIELAB lab*

lab*lab	0.85	0.207	0.14	
lab*tch	0.875	0.25	0.095	
lab*nch	0.0	0.25	0.095	
relative Natural Colour (NC)				
lab*trj	0.85	0.25	0.0	
lab*tce	0.875	0.25	0.0	
lab*nce	0.0	0.25	0.095	

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	56.86	0.8	2.08	
LAB*Lab	56.86	0.0	0.0	
LAB*TCh	50.0	0.01	-	

relative CIELAB lab*

lab*lab	0.75	0.5	0.5	(0.0)
lab*tch	0.75	0.5	0.5	(0.0)
lab*nch	0.25	0.5	0.5	(0.0)
relative Natural Colour (NC)				
lab*trj	0.75	0.5	0.0	
lab*tce	0.75	0.5	0.0	
lab*nce	0.25	0.5	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	56.86	0.8	2.08	
LAB*Lab	56.86	0.0	0.0	
LAB*TCh	50.0	0.01	-	

relative CIELAB lab*

lab*lab	0.5	0.5	0.5	(0.0)
lab*tch	0.5	0.5	0.5	(0.0)
lab*nch	0.25	0.5	0.5	(0.0)
relative Natural Colour (NC)				
lab*trj	0.5	0.5	0.0	
lab*tce	0.5	0.5	0.0	
lab*nce	0.25	0.5	0.0	

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
cmv3*	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.49	0.8	0.79	
LAB*Lab	37.49	0.0	0.0	
LAB*TCh	25.0	0.01	-	

relative CIELAB lab*

lab*lab	0.35	0.207	0.14	
lab*tch	0.375	0.25	0.095	
lab*nch	0.0	0.25	0.095	
relative Natural Colour (NC)				
lab*trj	0.35	0.25	0.0	
lab*tce	0.375	0.25	0.0	
lab*nce	0.0	0.25	0.095	

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	37.49	0.8	0.79	
LAB*Lab	37.49	0.0	0.0	
LAB*TCh	25.0	0.01	-	

relative CIELAB lab*

lab*lab	0.35	0.207	0.14	
lab*tch	0.375	0.25	0.095	
lab*nch	0.0	0.25	0.095	
relative Natural Colour (NC)				
lab*trj	0.35	0.25	0.0	
lab*tce	0.375	0.25	0.0	
lab*nce	0.0	0.25	0.095	

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	37.49	0.8	0.79	
LAB*Lab	37.49	0.0	0.0	
LAB*TCh	25.0	0.01	-	

relative CIELAB lab*

lab*lab	0.35	0.207	0.14	
lab*tch	0.375	0.25	0.095	
lab*nch	0.0	0.25	0.095	
relative Natural Colour (NC)				
lab*trj	0.35	0.25	0.0	
lab*tce	0.375	0.25	0.0	
lab*nce	0.0	0.25	0.095	

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	18.12	0.8	0.49	
LAB*Lab	18.12	0.0	0.0	
LAB*TCh	0.01	0.01	-	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*tch	0.125	0.25	0.095	
lab*nch	0.0	0.25	0.095	
relative Natural Colour (NC)				
lab*trj	0.0	0.25	0.0	
lab*tce	0.125	0.25	0.0	
lab*nce	0.0	0.25	0.095	

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	18.12	0.8	0.49	
LAB*Lab	18.12	0.0	0.0	
LAB*TCh	0.01	0.01	-	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*tch	0.125	0.25	0.095	
lab*nch	0.0	0.25	0.095	
relative Natural Colour (NC)				
lab*trj	0.0	0.25	0.0	
lab*tce	0.125	0.25	0.0	
lab*nce	0.0	0.25	0.095	

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	18.12	0.8	0.49	
LAB*Lab	18.12	0.0	0.0	
LAB*TCh	0.01	0.01	-	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*tch	0.125	0.25	0.095	
lab*nch	0.0	0.25	0.095	
relative Natural Colour (NC)				
lab*trj	0.0	0.25	0.0	
lab*tce	0.125	0.25	0.0	
lab*nce	0.0	0.25	0.095	

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	18.12	0.8	0.49	
LAB*Lab	18.12	0.0	0.0	
LAB*TCh	0.01	0.01	-	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*tch	0.125	0.25	0.095	
lab*nch	0.0	0.25	0.095	
relative Natural Colour (NC)				
lab*trj	0.0	0.25	0.0	
lab*tce	0.125	0.25	0.0	
lab*nce	0.0	0.25	0.095	

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*	1.0	0.5	0.5	(1.0)
cmv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	72.39	33.32	25.17	
LAB*Lab	72.39	32.67	22.05	
LAB*TCh	75.0	39.41	34.02	

relative CIELAB lab*

lab*lab	0.7	0.414	0.28	
lab*tch	0.75	0.5	0.095	
lab*nch	0.0	0.5	0.095	
relative Natural Colour (NC)				
lab*trj	0.7	0.5	0.0	
lab*tce	0.75	0.5	0.0	
lab*nce	0.0	0.5	0.095	

relative Inform. Technology (IT)

olv3*	0.75	0.5	0.5	(1.0)
cmv3*	0.25	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	53.02	33.52	23.89	
LAB*Lab	53.02	32.67	22.06	
LAB*TCh	50.0	39.42	34.02	

relative CIELAB lab*

lab*lab	0.51	0.622	0.42	
lab*tch	0.625	0.75	0.095	
lab*nch	0.0	0.75	0.095	
relative Natural Colour (NC)				
lab*trj	0.51	0.75	0.0	
lab*tce	0.625	0.75	0.0	
lab*nce	0.0	0.75	0.095	

relative Inform. Technology (IT)

olv3*	0.75	0.5	0.5	(1.0)
cmv3*	0.25	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	41.42	49.36	34.14	
LAB*Lab	41.42	49.0	33.09	
LAB*TCh	37.51	59.13	34.03	

relative CIELAB lab*

lab*lab	0.301	0.622	0.42	
lab*tch	0.375	0.75	0.095	
lab*nch	0.0	0.75	0.095	
relative Natural Colour (NC)				
lab*trj	0.301	0.75	0.0	
lab*tce	0.375	0.75	0.0	
lab*nce	0.0	0.75	0.095	

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(1.0)
cmv3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	33.65	32.7	27.06	
LAB*Lab	33.65	32.67	22.06	
LAB*TCh	25.01	39.42	34.03	

relative CIELAB lab*

lab*lab	0.201	0.414	0.28	
lab*tch	0.25	0.5	0.095	
lab*nch	0.0	0.5	0.095	
relative Natural Colour (NC)				
lab*trj	0.201	0.5	0.0	
lab*tce	0.25	0.5	0.0	
lab*nce	0.0	0.5	0.095	

<

Input: Colorimetric Offset Reflective System ORS18

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

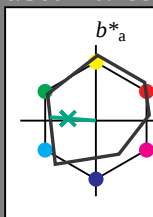
lab^*tch and lab^*nch

A: hue G

LCH*Ma: 51 61 176

olv*Ma: 0.0 1.0 0.33

triangle lightness t^*



% 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)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	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*Lab	99.99	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.832	(1.0)
olv3*	0.25	0.0	0.168	(0.0)
olv4*	0.75	1.0	0.832	(1.0)
olv4*	0.25	0.0	0.168	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	84.45	-14.57	5.06	
LAB*Lab	84.45	-15.11	1.14	
LAB*Lab	87.5	15.16	17.57	

relative Inform. Technology (IT)

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

relative Inform. Technology (IT)

olv3*	0.25	0.5	0.496	(1.0)
olv3*	0.0	0.0	0.504	(0.0)
olv4*	0.25	0.5	0.496	(1.0)
olv4*	0.0	0.0	0.504	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	62.16	-44.61	5.85	
LAB*Lab	62.16	-46.36	3.42	
LAB*Lab	62.5	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.75	0.248	(1.0)
olv3*	0.75	0.25	0.752	(0.0)
olv4*	0.0	0.75	0.248	(1.0)
olv4*	0.75	0.25	0.752	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	51.02	-59.62	6.26	
LAB*Lab	51.02	-60.48	4.56	
LAB*Lab	50.0	60.66	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.25	0.056	(1.0)
olv3*	0.25	0.75	0.944	(0.0)
olv4*	0.0	0.25	0.056	(1.0)
olv4*	0.25	0.75	0.944	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	42.16	-44.42	4.58	
LAB*Lab	42.16	-45.36	3.43	
LAB*Lab	42.5	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	42.16	-44.42	4.58	
LAB*Lab	42.16	-45.36	3.43	
LAB*Lab	42.5	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	42.16	-44.42	4.58	
LAB*Lab	42.16	-45.36	3.43	
LAB*Lab	42.5	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	42.16	-44.42	4.58	
LAB*Lab	42.16	-45.36	3.43	
LAB*Lab	42.5	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	42.16	-44.42	4.58	
LAB*Lab	42.16	-45.36	3.43	
LAB*Lab	42.5	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	42.16	-44.42	4.58	
LAB*Lab	42.16	-45.36	3.43	
LAB*Lab	42.5	45.5	17.59	

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

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

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

1.00

0.75

$n^* = 0.00$

0.25

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

0.75

1.00

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 173/360 = 0.481$

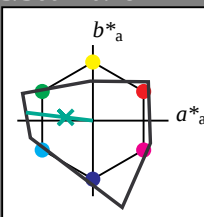
lab^*tch and lab^*nch

A: hue G

LCH*Ma: 78 89 173

olv*Ma: 0.0 1.0 0.43

triangle lightness t^*



% Gamut

$u^*_{rel} = 141$

relative Inform. Technology (IT)

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

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.858	(1.0)
olv3*	0.25	0.0	0.142	(0.0)
olv4*	0.75	1.0	0.858	(1.0)
olv4*	0.25	0.0	0.142	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	91.01	-22.12	2.67	
LAB*Lab	91.01	-22.12	2.67	
LAB*Lab	87.5	22.29	17.31	

relative Inform. Technology (IT)

olv3*	0.5	1.0	0.672	(1.0)
olv3*	0.0	0.0	0.328	(0.0)
olv4*	0.5	1.0	0.672	(1.0)
olv4*	0.0	0.0	0.328	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	71.57	-29.59	5.45	
LAB*Lab	71.57	-30.23	2.28	
LAB*Lab	75.0	30.33	17.59	

relative Inform. Technology (IT)

olv3*	0.25	0.5	0.496	(1.0)
olv3*	0.0	0.0	0.504	(0.0)
olv4*	0.25	0.5	0.496	(1.0)
olv4*	0.0	0.0	0.504	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	62.16	-44.61	5.85	
LAB*Lab	62.16	-46.36	3.42	
LAB*Lab	62.5	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.75	0.248	(1.0)
olv3*	0.75	0.25	0.752	(0.0)
olv4*	0.0	0.75	0.248	(1.0)
olv4*	0.75	0.25	0.752	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	51.02	-59.62	6.26	
LAB*Lab	51.02	-60.48	4.56	
LAB*Lab	50.0	60.66	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.25	0.056	(1.0)
olv3*	0.25	0.75	0.944	(0.0)
olv4*	0.0	0.25	0.056	(1.0)
olv4*	0.25	0.75	0.944	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	42.16	-44.42	4.58	
LAB*Lab	42.16	-45.36	3.43	
LAB*Lab	42.5	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	42.16	-44.42	4.58	
LAB*Lab	42.16	-45.36	3.43	
LAB*Lab	42.5	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	42.16	-44.42	4.58	
LAB*Lab	42.16	-45.36	3.43	
LAB*Lab	42.5	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	42.16	-44.42	4.58	
LAB*Lab	42.16	-45.36	3.43	
LAB*Lab	42.5	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	42.16	-44.42	4.58	
LAB*Lab	42.16	-45.36	3.43	
LAB*Lab	42.5	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	42.16	-44.42	4.58	
LAB*Lab	42.16	-45.36	3.43	
LAB*Lab	42.5	45.5	17.59	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*Lab	42.16	-44.42	4.58	
LAB*Lab	42.16	-45.36	3.43	
LAB*Lab	42.5	45.5	17.59	

$n^* = 1.0$

chromaticness c^*

SE500-7, 5 step scales for constant CIELAB hue 176/360 = 0.488 (left)

5 step scales for constant CIELAB hue 173/360 = 0.481 (right)

BAM-test chart SE50; Colorimetric systems ORS18 & TLS00

input: $cmY0^* setcmykcolor$

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

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

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

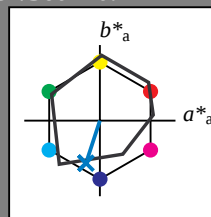
lab^*tch and lab^*nch

A: hue B

LCH*Ma: 40 55 252

olv*Ma: 0.0 0.56 1.0

triangle lightness t^*



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

relative Inform. Technology (IT)

olv3*	0.75	0.891	1.0	(1.0)
olv4*	0.25	0.109	0.0	(0.0)
olv5*	0.75	0.891	1.0	(1.0)
olv6*	0.25	0.109	0.0	(0.0)
olv7*	0.75	0.891	1.0	(1.0)
olv8*	0.25	0.109	0.0	(0.0)
olv9*	0.75	0.891	1.0	(1.0)
olv10*	0.25	0.109	0.0	(0.0)
olv11*	0.75	0.891	1.0	(1.0)
olv12*	0.25	0.109	0.0	(0.0)
olv13*	0.75	0.891	1.0	(1.0)
olv14*	0.25	0.109	0.0	(0.0)
olv15*	0.75	0.891	1.0	(1.0)
olv16*	0.25	0.109	0.0	(0.0)
olv17*	0.75	0.891	1.0	(1.0)
olv18*	0.25	0.109	0.0	(0.0)
olv19*	0.75	0.891	1.0	(1.0)
olv20*	0.25	0.109	0.0	(0.0)
olv21*	0.75	0.891	1.0	(1.0)
olv22*	0.25	0.109	0.0	(0.0)
olv23*	0.75	0.891	1.0	(1.0)
olv24*	0.25	0.109	0.0	(0.0)
olv25*	0.75	0.891	1.0	(1.0)
olv26*	0.25	0.109	0.0	(0.0)
olv27*	0.75	0.891	1.0	(1.0)
olv28*	0.25	0.109	0.0	(0.0)
olv29*	0.75	0.891	1.0	(1.0)
olv30*	0.25	0.109	0.0	(0.0)
olv31*	0.75	0.891	1.0	(1.0)
olv32*	0.25	0.109	0.0	(0.0)
olv33*	0.75	0.891	1.0	(1.0)
olv34*	0.25	0.109	0.0	(0.0)
olv35*	0.75	0.891	1.0	(1.0)
olv36*	0.25	0.109	0.0	(0.0)
olv37*	0.75	0.891	1.0	(1.0)
olv38*	0.25	0.109	0.0	(0.0)
olv39*	0.75	0.891	1.0	(1.0)
olv40*	0.25	0.109	0.0	(0.0)
olv41*	0.75	0.891	1.0	(1.0)
olv42*	0.25	0.109	0.0	(0.0)
olv43*	0.75	0.891	1.0	(1.0)
olv44*	0.25	0.109	0.0	(0.0)
olv45*	0.75	0.891	1.0	(1.0)
olv46*	0.25	0.109	0.0	(0.0)
olv47*	0.75	0.891	1.0	(1.0)
olv48*	0.25	0.109	0.0	(0.0)
olv49*	0.75	0.891	1.0	(1.0)
olv50*	0.25	0.109	0.0	(0.0)
olv51*	0.75	0.891	1.0	(1.0)
olv52*	0.25	0.109	0.0	(0.0)
olv53*	0.75	0.891	1.0	(1.0)
olv54*	0.25	0.109	0.0	(0.0)
olv55*	0.75	0.891	1.0	(1.0)
olv56*	0.25	0.109	0.0	(0.0)
olv57*	0.75	0.891	1.0	(1.0)
olv58*	0.25	0.109	0.0	(0.0)
olv59*	0.75	0.891	1.0	(1.0)
olv60*	0.25	0.109	0.0	(0.0)
olv61*	0.75	0.891	1.0	(1.0)
olv62*	0.25	0.109	0.0	(0.0)
olv63*	0.75	0.891	1.0	(1.0)
olv64*	0.25	0.109	0.0	(0.0)
olv65*	0.75	0.891	1.0	(1.0)
olv66*	0.25	0.109	0.0	(0.0)
olv67*	0.75	0.891	1.0	(1.0)
olv68*	0.25	0.109	0.0	(0.0)
olv69*	0.75	0.891	1.0	(1.0)
olv70*	0.25	0.109	0.0	(0.0)
olv71*	0.75	0.891	1.0	(1.0)
olv72*	0.25	0.109	0.0	(0.0)
olv73*	0.75	0.891	1.0	(1.0)
olv74*	0.25	0.109	0.0	(0.0)
olv75*	0.75	0.891	1.0	(1.0)
olv76*	0.25	0.109	0.0	(0.0)
olv77*	0.75	0.891	1.0	(1.0)
olv78*	0.25	0.109	0.0	(0.0)
olv79*	0.75	0.891	1.0	(1.0)
olv80*	0.25	0.109	0.0	(0.0)
olv81*	0.75	0.891	1.0	(1.0)
olv82*	0.25	0.109	0.0	(0.0)
olv83*	0.75	0.891	1.0	(1.0)
olv84*	0.25	0.109	0.0	(0.0)
olv85*	0.75	0.891	1.0	(1.0)
olv86*	0.25	0.109	0.0	(0.0)
olv87*	0.75	0.891	1.0	(1.0)
olv88*	0.25	0.109	0.0	(0.0)
olv89*	0.75	0.891	1.0	(1.0)
olv90*	0.25	0.109	0.0	(0.0)
olv91*	0.75	0.891	1.0	(1.0)
olv92*	0.25	0.109	0.0	(0.0)
olv93*	0.75	0.891	1.0	(1.0)
olv94*	0.25	0.109	0.0	(0.0)
olv95*	0.75	0.891	1.0	(1.0)
olv96*	0.25	0.109	0.0	(0.0)
olv97*	0.75	0.891	1.0	(1.0)
olv98*	0.25	0.109	0.0	(0.0)
olv99*	0.75	0.891	1.0	(1.0)
olv100*	0.25	0.109	0.0	(0.0)

LAB*ICHd 87.5 13.64 231.9			
relative CIELab lab*			
lab*lab	0.821	-0.077	-0.237
lab*tch	0.875	0.25	0.7
lab*nch	0.0	0.25	0.7
relative Natural Colour (NC)			
lab*lrj	0.821	0.0	-0.249
lab*tce	0.875	0.25	0.75
lab*nce	0.0	0.25	g99b