

Input: Colorimetric Offset Reflective System ORS18

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

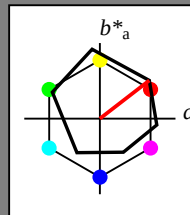
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
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)
standard and adapted CIELAB				
LAB*LAB	95.41	-0.98	4.75	
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	95.41	0.0	0.0	

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.75	(1.0)
olv3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
olv4*	0.0	0.25	0.25	(0.0)
olv4*	0.0	0.25	0.25	(0.0)
olv4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	83.54	15.58	16.58	
LAB*LAB	83.54	16.34	12.62	
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ORS18; adapted (a) CIELAB data

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

%Regularity

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

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

1.00

0.75

0.25

0.00

0.25

0.50

0.75

1.00

chromaticness c^*

blackness n^*

blackness n^*

Output: Colorimetric Offset Reflective System ORS18

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

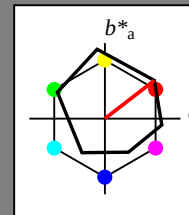
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

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

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

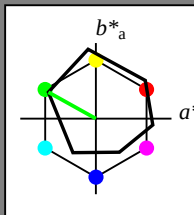
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

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

%Regularity

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

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

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 4.75
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 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)
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 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.00 0.01 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)
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 56.71 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.00 0.01 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 (0.0)
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 37.36 -0.38 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.00 0.01 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)
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 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 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

$n^* = 1.0$

relative Inform. Technology (IT)
olv3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 84.28 -16.47 12.74
LAB*LABa 84.28 -15.69 8.74
LAB*TCHa 97.5 17.97 150.91

relative CIELAB lab*
lab*lab 0.856 -0.217 0.121
lab*tch 0.875 0.25 0.419
lab*nch 0.0 0.25 0.419
relative Natural Colour (NC)
lab*tr 0.856 -0.238 0.072
lab*tce 0.875 0.25 0.453
lab*nce 0.0 0.25 0.818

relative Inform. Technology (IT)
olv3* 0.5 0.75 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olv4* 0.75 1.0 0.75 (0.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 64.93 -16.1 11.44
LAB*LABa 64.93 -15.7 8.74
LAB*TCHa 62.5 17.98 150.91

relative CIELAB lab*
lab*lab 0.616 -0.217 0.122
lab*tch 0.625 0.25 0.419
lab*nch 0.25 0.25 0.419
relative Natural Colour (NC)
lab*tr 0.606 -0.238 0.072
lab*tce 0.625 0.25 0.453
lab*nce 0.25 0.25 0.818

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.75 1.0 0.75 (0.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 45.58 -15.73 10.13
LAB*LABa 45.58 -15.7 8.74
LAB*TCHa 37.5 17.98 150.91

relative CIELAB lab*
lab*lab 0.356 -0.217 0.122
lab*tch 0.375 0.25 0.419
lab*nch 0.25 0.25 0.419
relative Natural Colour (NC)
lab*tr 0.356 -0.238 0.072
lab*tce 0.375 0.25 0.453
lab*nce 0.25 0.25 0.818

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olv4* 0.75 1.0 0.75 (0.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 34.46 -31.22 18.12
LAB*LABa 34.46 -31.4 17.48
LAB*TCHa 25.01 35.95 150.91

relative CIELAB lab*
lab*lab 0.213 -0.436 0.243
lab*tch 0.25 0.5 0.419
lab*nch 0.0 0.5 0.419
relative Natural Colour (NC)
lab*tr 0.213 -0.478 0.144
lab*tce 0.25 0.5 0.453
lab*nce 0.0 0.5 0.818

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 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* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.15 -31.96 20.73
LAB*LABa 73.15 -31.4 17.48
LAB*TCHa 75.0 35.95 150.91

relative CIELAB lab*
lab*lab 0.712 -0.436 0.243
lab*tch 0.75 0.5 0.419
lab*nch 0.0 0.5 0.419
relative Natural Colour (NC)
lab*tr 0.712 -0.478 0.144
lab*tce 0.75 0.5 0.453
lab*nce 0.0 0.5 0.818

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 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 53.81 -31.6 19.43
LAB*LABa 53.81 -31.4 17.48
LAB*TCHa 50.0 35.95 150.91

relative CIELAB lab*
lab*lab 0.462 -0.436 0.243
lab*tch 0.462 -0.436 0.243
lab*nch 0.0 0.5 0.419
relative Natural Colour (NC)
lab*tr 0.462 -0.478 0.144
lab*tce 0.462 -0.436 0.243
lab*nce 0.25 0.5 0.818

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 50.9 -62.95 36.7
LAB*LABa 50.9 -62.81 34.95
LAB*TCHa 50.0 71.89 150.91

relative CIELAB lab*
lab*lab 0.425 -0.873 0.486
lab*tch 0.5 1.0 0.419
lab*nch 0.0 1.0 0.419
relative Natural Colour (NC)
lab*tr 0.425 -0.956 0.289
lab*tce 0.5 1.0 0.453
lab*nce 0.0 1.0 0.818

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olv4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.51 53.92 150.91

relative CIELAB lab*
lab*lab 0.319 -0.654 0.365
lab*tch 0.375 0.5 0.419
lab*nch 0.0 0.5 0.419
relative Natural Colour (NC)
lab*tr 0.319 -0.717 0.217
lab*tce 0.375 0.5 0.453
lab*nce 0.25 0.5 0.818

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.25 1.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 62.02 -47.46 28.72
LAB*LABa 62.02 -47.11 26.21
LAB*TCHa 62.5 53.92 150.91

relative CIELAB lab*
lab*lab 0.569 -0.654 0.365
lab*tch 0.625 0.75 0.419
lab*nch 0.0 0.75 0.419
relative Natural Colour (NC)
lab*tr 0.569 -0.717 0.217
lab*tce 0.625 0.75 0.453
lab*nce 0.0 0.75 0.818

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 0.25 1.0 0.25 (0.0)
cmyn4* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 50.9 -62.95 36.7
LAB*LABa 50.9 -62.81 34.95
LAB*TCHa 50.0 71.89 150.91

relative CIELAB lab*
lab*lab 0.425 -0.873 0.486
lab*tch 0.5 1.0 0.419
lab*nch 0.0 1.0 0.419
relative Natural Colour (NC)
lab*tr 0.425 -0.956 0.289
lab*tce 0.5 1.0 0.453
lab*nce 0.0 1.0 0.818

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.25 1.0 (0.0)
olv4* 0.25 1.0 0.25 (0.0)
cmyn4* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 37.51 53.92 150.91

relative CIELAB lab*
lab*lab 0.319 -0.654 0.365
lab*tch 0.375 0.75 0.419
lab*nch 0.0 0.75 0.419
relative Natural Colour (NC)
lab*tr 0.319 -0.717 0.217
lab*tce 0.375 0.75 0.453
lab*nce 0.25 0.75 0.818

$n^* = 0.25$

$n^* = 0.00$

relative Inform. Technology (IT)
olv3* 0.0 1.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 0.0 1.0 0.0 (0.0)
cmyn4* 1.0 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.9 -62.95 36.7
LAB*LABa 50.9 -62.81 34.95
LAB*TCHa 50.0 71.89 150.91

relative CIELAB lab*
lab*lab 0.425 -0.873 0.486
lab*tch 0.5 1.0 0.419
lab*nch 0.0 1.0 0.419
relative Natural Colour (NC)
lab*tr 0.425 -0.956 0.289
lab*tce 0.5 1.0 0.453
lab*nce 0.0 1.0 0.818

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olv4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.51 53.92 150.91

relative CIELAB lab*
lab*lab 0.319 -0.654 0.365
lab*tch 0.375 0.75 0.419
lab*nch 0.0 0.75 0.419
relative Natural Colour (NC)
lab*tr 0.319 -0.717 0.217
lab*tce 0.375 0.75 0.453
lab*nce 0.25 0.75 0.818

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

$n^* = 1.0$

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

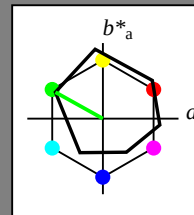
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

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

%Regularity

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

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

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 4.75
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 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)
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 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.00 0.01 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)
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 56.71 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.00 0.01 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)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.75 1.0 0.75 (0.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 45.58 -15.73 10.13
LAB*LABa 45.58 -15.7 8.74
LAB*TCHa 37.5 17.98 150.91

relative CIELAB lab*
lab*lab 0.356 -0.217 0.122
lab*tch 0.375 0.25 0.419
lab*nch 0.25 0.25 0.419
relative Natural Colour (NC)
lab*tr 0.356 -0.238 0.072
lab*tce 0.375 0.25 0.453
lab*nce 0.25 0.25 0.818

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olv4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 34.46 -31.22 18.12
LAB*LABa 34.46 -31.4 17.48
LAB*TCHa 25.01 35.95 150.91

relative CIELAB lab*
lab*lab 0.213 -0.436 0.243
lab*tch 0.25 0.5 0.419
lab*nch 0.0 0.5 0.419
relative Natural Colour (NC)
lab*tr 0.213 -0.478 0.144
lab*tce 0.25 0.5 0.453
lab*nce 0.0 0.5 0.818

$n^* = 0.50$

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

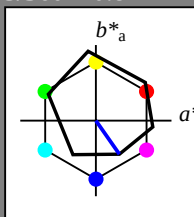
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.0 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 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)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.00 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)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.00 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)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 37.36 -0.37 0.83
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.00 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)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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

$n^* = 1.0$

ORS18; adapted (a) CIELAB data

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

%Regularity

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

$g^*_{C,rel} = 15.55$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 1.0
cmyn4* 0.5 0.5 0.5 0.0
standard and adapted CIELAB
LAB*LAB 60.56 15.23 -19.79
LAB*LABa 60.56 15.23 -19.79
LAB*LABb 58.64 7.77 -11.09
LAB*LABc 87.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.5 0.287 -0.408
lab*tch 0.75 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.5 0.225 -0.446
lab*tce 0.75 0.5 0.824
lab*nce 0.0 0.5 0.824

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 0.5 0.5 0.5 1.0
cmyn4* 0.5 0.5 0.5 0.0
standard and adapted CIELAB
LAB*LAB 41.22 15.55 -22.2
LAB*LABa 41.22 15.55 -22.2
LAB*LABb 50.0 27.1 305.0

relative CIELAB lab*
lab*lab 0.25 0.287 -0.409
lab*tch 0.5 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.25 0.225 -0.446
lab*tce 0.5 0.5 0.824
lab*nce 0.0 0.5 0.824

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.5 0.5 0.5 0.0
cmyn4* 0.5 0.5 0.5 1.0
standard and adapted CIELAB
LAB*LAB 23.8 23.71 -33.37
LAB*LABa 23.8 23.71 -33.37
LAB*LABb 37.51 40.66 305.0

relative CIELAB lab*
lab*lab 0.0 0.573 -0.818
lab*tch 0.5 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.0 0.449 -0.892
lab*tce 0.5 0.5 0.824
lab*nce 0.0 0.5 0.824

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.5 0.5 0.5 0.0
cmyn4* 0.5 0.5 0.5 1.0
standard and adapted CIELAB
LAB*LAB 19.94 7.77 -11.09
LAB*LABa 19.94 7.77 -11.09
LAB*LABb 12.5 13.55 305.0

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

$n^* = 0.50$

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 0.25 0.25 0.25 1.0
cmyn4* 0.75 0.75 0.75 0.0
standard and adapted CIELAB
LAB*LAB 31.09 44.38 44.34
LAB*LABa 31.09 44.38 44.34
LAB*LABb 50.0 54.21 305.0

relative CIELAB lab*
lab*lab 0.25 0.337 -0.669
lab*tch 0.5 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.25 0.337 -0.669
lab*tce 0.5 0.5 0.824
lab*nce 0.0 0.5 0.824

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.0 0.0 0.0 1.0
cmyn4* 1.0 1.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 25.73 31.09 -44.38
LAB*LABa 25.73 31.09 -44.38
LAB*LABb 50.0 54.21 305.0

relative CIELAB lab*
lab*lab 0.1 0.573 -0.818
lab*tch 0.5 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.1 0.449 -0.892
lab*tce 0.5 0.5 0.824
lab*nce 0.0 0.5 0.824

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.0 0.0 0.0 1.0
cmyn4* 1.0 1.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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

$n^* = 0.25$

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.0 0.0 0.0 1.0
cmyn4* 1.0 1.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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

$n^* = 0.00$

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

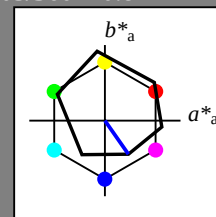
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.0 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 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)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.00 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)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.00 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)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 37.36 -0.37 0.83
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.00 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)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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

$n^* = 1.0$

ORS18; adapted (a) CIELAB data

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

%Regularity

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

$g^*_{C,rel} = 15.55$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 1.0
cmyn4* 0.5 0.5 0.5 0.0
standard and adapted CIELAB
LAB*LAB 60.56 15.23 -19.79
LAB*LABa 60.56 15.23 -19.79
LAB*LABb 58.64 7.77 -11.09
LAB*LABc 87.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.5 0.287 -0.408
lab*tch 0.75 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.5 0.225 -0.446
lab*tce 0.75 0.5 0.824
lab*nce 0.0 0.5 0.824

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 0.5 0.5 0.5 1.0
cmyn4* 0.5 0.5 0.5 0.0
standard and adapted CIELAB
LAB*LAB 41.22 15.55 -22.2
LAB*LABa 41.22 15.55 -22.2
LAB*LABb 50.0 27.1 305.0

relative CIELAB lab*
lab*lab 0.25 0.287 -0.409
lab*tch 0.5 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.25 0.225 -0.446
lab*tce 0.5 0.5 0.824
lab*nce 0.0 0.5 0.824

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.0 0.0 0.0 1.0
cmyn4* 1.0 1.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 23.8 23.71 -33.37
LAB*LABa 23.8 23.71 -33.37
LAB*LABb 37.51 40.66 305.0

relative CIELAB lab*
lab*lab 0.0 0.573 -0.818
lab*tch 0.5 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.0 0.449 -0.892
lab*tce 0.5 0.5 0.824
lab*nce 0.0 0.5 0.824

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.0 0.0 0.0 1.0
cmyn4* 1.0 1.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 25.73 31.09 -44.38
LAB*LABa 25.73 31.09 -44.38
LAB*LABb 50.0 54.21 305.0

relative CIELAB lab*
lab*lab 0.1 0.573 -0.818
lab*tch 0.5 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.1 0.449 -0.892
lab*tce 0.5 0.5 0.824
lab*nce 0.0 0.5 0.824

$n^* = 0.25$

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 0.25 0.25 0.25 1.0
cmyn4* 0.75 0.75 0.75 0.0
standard and adapted CIELAB
LAB*LAB 31.09 44.38 44.34
LAB*LABa 31.09 44.38 44.34
LAB*LABb 50.0 54.21 305.0

relative CIELAB lab*
lab*lab 0.25 0.337 -0.669
lab*tch 0.5 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.25 0.337 -0.669
lab*tce 0.5 0.5 0.824
lab*nce 0.0 0.5 0.824

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.0 0.0 0.0 1.0
cmyn4* 1.0 1.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 25.73 31.09 -44.38
LAB*LABa 25.73 31.09 -44.38
LAB*LABb 50.0 54.21 305.0

relative CIELAB lab*
lab*lab 0.0 0.573 -0.818
lab*tch 0.5 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.0 0.449 -0.892
lab*tce 0.5 0.5 0.824
lab*nce 0.0 0.5 0.824

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.0 0.0 0.0 1.0
cmyn4* 1.0 1.0 1.0 0.0
standard and adapted CIELAB
LAB*

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

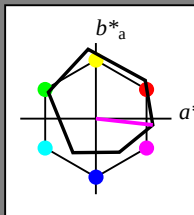
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

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

%Regularity

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

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

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 4.75
LAB*LABa 95.41 0.0 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 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* 1.0 0.75 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olv4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 83.59 18.05 1.87
LAB*LABa 83.59 18.05 1.87
LAB*LABb 83.59 18.05 1.87
LAB*LABc 83.59 18.05 1.87
relative CIELAB lab*
lab*lab 0.847 0.248 -0.027
lab*tch 0.875 0.25 0.982
lab*nch 0.0 0.25 0.982
relative Natural Colour (NC)
lab*trj 0.847 0.227 -0.103
lab*tce 0.875 0.25 0.932
lab*nce 0.0 0.25 0.727

relative Inform. Technology (IT)
olv3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.77 37.1 -1.01
LAB*LABa 71.77 37.1 -1.01
LAB*LABb 71.77 37.1 -1.01
LAB*LABc 71.77 37.1 -1.01
relative CIELAB lab*
lab*lab 0.695 0.497 -0.054
lab*tch 0.75 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*trj 0.695 0.454 -0.208
lab*tce 0.75 0.5 0.932
lab*nce 0.0 0.5 0.727

relative Inform. Technology (IT)
olv3* 1.0 0.25 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olv4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 59.95 56.15 -3.9
LAB*LABa 59.95 56.15 -3.9
LAB*LABb 59.95 56.15 -3.9
LAB*LABc 59.95 56.15 -3.9
relative CIELAB lab*
lab*lab 0.542 0.745 -0.082
lab*tch 0.625 0.75 0.982
lab*nch 0.0 0.75 0.982
relative Natural Colour (NC)
lab*trj 0.542 0.682 -0.312
lab*tce 0.625 0.75 0.932
lab*nce 0.0 0.75 0.727

relative Inform. Technology (IT)
olv3* 1.0 0.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.13 75.28 -8.36
LAB*LABa 48.13 75.28 -8.36
LAB*LABb 48.13 75.28 -8.36
LAB*LABc 48.13 75.28 -8.36
relative CIELAB lab*
lab*lab 0.389 0.994 -0.109
lab*tch 0.5 1.0 0.982
lab*nch 0.0 1.0 0.982
relative Natural Colour (NC)
lab*trj 0.389 0.909 -0.416
lab*tce 0.5 1.0 0.932
lab*nce 0.0 1.0 0.727

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 76.06 -0.61 3.44
LAB*LABa 76.06 -0.61 3.44
LAB*LABb 76.06 -0.61 3.44
LAB*LABc 76.06 -0.61 3.44
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* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olv4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 64.24 18.43 0.56
LAB*LABa 64.24 18.43 0.56
LAB*LABb 64.24 18.43 0.56
LAB*LABc 64.24 18.43 0.56
relative CIELAB lab*
lab*lab 0.597 0.248 -0.027
lab*tch 0.625 0.25 0.982
lab*nch 0.0 0.25 0.982
relative Natural Colour (NC)
lab*trj 0.597 0.227 -0.103
lab*tce 0.625 0.25 0.932
lab*nce 0.0 0.25 0.727

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.42 37.64 -2.32
LAB*LABa 52.42 37.64 -2.32
LAB*LABb 52.42 37.64 -2.32
LAB*LABc 52.42 37.64 -2.32
relative CIELAB lab*
lab*lab 0.445 0.454 -0.208
lab*tch 0.5 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*trj 0.445 0.454 -0.208
lab*tce 0.5 0.5 0.932
lab*nce 0.0 0.5 0.727

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olv4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 40.6 56.52 -5.21
LAB*LABa 40.6 56.52 -5.21
LAB*LABb 40.6 56.52 -5.21
LAB*LABc 40.6 56.52 -5.21
relative CIELAB lab*
lab*lab 0.292 0.745 -0.082
lab*tch 0.375 0.75 0.982
lab*nch 0.0 0.75 0.982
relative Natural Colour (NC)
lab*trj 0.292 0.682 -0.312
lab*tce 0.375 0.75 0.932
lab*nce 0.0 0.75 0.727

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 33.07 37.84 6.32
LAB*LABa 33.07 37.84 6.32
LAB*LABb 33.07 37.84 6.32
LAB*LABc 33.07 37.84 6.32
relative CIELAB lab*
lab*lab 0.347 0.248 -0.027
lab*tch 0.375 0.25 0.982
lab*nch 0.0 0.25 0.982
relative Natural Colour (NC)
lab*trj 0.347 0.227 -0.103
lab*tce 0.375 0.25 0.932
lab*nce 0.0 0.25 0.727

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABa 56.71 -0.24 2.14
LAB*LABb 56.71 -0.24 2.14
LAB*LABc 56.71 -0.24 2.14
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* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olv4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 44.89 18.8 -0.74
LAB*LABa 44.89 18.8 -0.74
LAB*LABb 44.89 18.8 -0.74
LAB*LABc 44.89 18.8 -0.74
relative CIELAB lab*
lab*lab 0.542 0.248 -0.027
lab*tch 0.597 0.25 0.982
lab*nch 0.0 0.25 0.982
relative Natural Colour (NC)
lab*trj 0.542 0.227 -0.103
lab*tce 0.597 0.25 0.932
lab*nce 0.0 0.25 0.727

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.25 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 33.07 37.84 6.32
LAB*LABa 33.07 37.84 6.32
LAB*LABb 33.07 37.84 6.32
LAB*LABc 33.07 37.84 6.32
relative CIELAB lab*
lab*lab 0.445 0.454 -0.208
lab*tch 0.5 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*trj 0.445 0.454 -0.208
lab*tce 0.5 0.5 0.932
lab*nce 0.0 0.5 0.727

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 25.01 37.86 353.66
LAB*LABa 25.01 37.86 353.66
LAB*LABb 25.01 37.86 353.66
LAB*LABc 25.01 37.86 353.66
relative CIELAB lab*
lab*lab 0.347 0.248 -0.027
lab*tch 0.375 0.25 0.982
lab*nch 0.0 0.25 0.982
relative Natural Colour (NC)
lab*trj 0.347 0.227 -0.103
lab*tce 0.375 0.25 0.932
lab*nce 0.0 0.25 0.727

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.25 (0.0)
olv4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0
relative CIELAB lab*
lab*lab 0.195 0.454 -0.208
lab*tch 0.25 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*trj 0.195 0.454 -0.208
lab*tce 0.25 0.5 0.932
lab*nce 0.0 0.5 0.727

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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0
relative CIELAB lab*
lab*lab 0.195 0.454 -0.208
lab*tch 0.25 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*trj 0.195 0.454 -0.208
lab*tce 0.25 0.5 0.932
lab*nce 0.0 0.5 0.727

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.25 (0.0)
olv4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 12.5 18.93 353.66
LAB*LABa 12.5 18.93 353.66
LAB*LABb 12.5 18.93 353.66
LAB*LABc 12.5 18.93 353.66
relative CIELAB lab*
lab*lab 0.097 0.248 -0.027
lab*tch 0.125 0.25 0.982
lab*nch 0.0 0.25 0.982
relative Natural Colour (NC)
lab*trj 0.097 0.227 -0.103
lab*tce 0.125 0.25 0.932
lab*nce 0.0 0.25 0.727

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

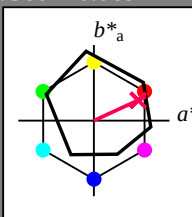
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

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)
standard and adapted CIELAB				
LAB*LAB	95.41	-0.98	4.75	
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	0.0	1.0	0.0	
lab*lab	0.0	0.0	1.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	0.0	1.0	0.0	
lab*lab	0.0	0.0	1.0	
lab*lab	0.0	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)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
LAB*LAB	76.06	0.0	0.0	
LAB*LAB	76.06	0.0	0.0	
LAB*LAB	76.06	0.0	0.0	

relative CIELAB lab*

lab*lab	0.847	0.227	0.104	
lab*lab	0.875	0.25	0.069	
lab*lab	0.875	0.25	0.069	
lab*lab	0.875	0.25	0.069	
relative Natural Colour (NC)				
lab*lab	0.847	0.227	0.104	
lab*lab	0.875	0.25	0.069	
lab*lab	0.875	0.25	0.069	
lab*lab	0.875	0.25	0.069	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*LAB	56.71	0.0	0.0	
LAB*LAB	56.71	0.0	0.0	
LAB*LAB	56.71	0.0	0.0	

relative CIELAB lab*

lab*lab	0.597	0.227	0.104	
lab*lab	0.625	0.25	0.069	
lab*lab	0.625	0.25	0.069	
lab*lab	0.625	0.25	0.069	
relative Natural Colour (NC)				
lab*lab	0.597	0.227	0.104	
lab*lab	0.625	0.25	0.069	
lab*lab	0.625	0.25	0.069	
lab*lab	0.625	0.25	0.069	

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.63	
LAB*LAB	37.36	0.0	0.0	
LAB*LAB	37.36	0.0	0.0	
LAB*LAB	37.36	0.0	0.0	

relative CIELAB lab*

lab*lab	0.347	0.227	0.104	
lab*lab	0.375	0.25	0.069	
lab*lab	0.375	0.25	0.069	
lab*lab	0.375	0.25	0.069	
relative Natural Colour (NC)				
lab*lab	0.347	0.227	0.104	
lab*lab	0.375	0.25	0.069	
lab*lab	0.375	0.25	0.069	
lab*lab	0.375	0.25	0.069	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	1.0	1.0	1.0	(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)
standard and adapted CIELAB				
LAB*LAB	18.02	0.0	0.47	
LAB*LAB	18.02	0.0	0.0	
LAB*LAB	18.02	0.0	0.0	
LAB*LAB	18.02	0.0	0.0	

relative CIELAB lab*

lab*lab	0.097	0.227	0.104	
lab*lab	0.125	0.25	0.069	
lab*lab	0.125	0.25	0.069	
lab*lab	0.125	0.25	0.069	
relative Natural Colour (NC)				
lab*lab	0.097	0.227	0.104	
lab*lab	0.125	0.25	0.069	
lab*lab	0.125	0.25	0.069	
lab*lab	0.125	0.25	0.069	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	1.0	1.0	1.0	(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)
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	
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	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

ORS18; adapted (a) CIELAB data

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

% Regularity

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

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

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.7	33.75	18.92	
LAB*LAB	71.7	34.28	15.76	
LAB*LAB	71.7	34.28	15.76	
LAB*LAB	71.7	34.28	15.76	

relative CIELAB lab*

lab*lab	0.694	0.454	0.209	
lab*lab	0.75	0.5	0.069	
lab*lab	0.75	0.5	0.069	
lab*lab	0.75	0.5	0.069	
relative Natural Colour (NC)				
lab*lab	0.694	0.454	0.209	
lab*lab	0.75	0.5	0.069	
lab*lab	0.75	0.5	0.069	
lab*lab	0.75	0.5	0.069	

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.522	(1.0)
olv3*	0.0	0.0	0.522	(0.0)
olv4*	1.0	0.0	0.522	(1.0)
olv4*	0.0	0.0	0.522	(0.0)
olv4*	0.0	0.0	0.522	(0.0)
olv4*	0.0	0.0	0.522	(0.0)
standard and adapted CIELAB				
LAB*LAB	59.85	51.12	26.01	
LAB*LAB	59.85	42.23	23.65	
LAB*LAB	59.85	42.23	23.65	
LAB*LAB	59.85	42.23	23.65	

relative CIELAB lab*

lab*lab	0.541	0.681	0.313	
lab*lab	0.625	0.75	0.069	
lab*lab	0.625	0.75	0.069	
lab*lab	0.625	0.75	0.069	
relative Natural Colour (NC)				
lab*lab	0.541	0.681	0.313	
lab*lab	0.625	0.75	0.069	
lab*lab	0.625	0.75	0.069	
lab*lab	0.625	0.75	0.069	

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*LAB	56.71	0.0	0.0	
LAB*LAB	56.71	0.0	0.0	
LAB*LAB	56.71	0.0	0.0	

relative CIELAB lab*

lab*lab	0.597	0.227	0.104	
lab*lab	0.625	0.25	0.069	
lab*lab	0.625	0.25	0.069	
lab*lab	0.625	0.25	0.069	
relative Natural Colour (NC)				
lab*lab	0.597	0.227	0.104	
lab*lab	0.625	0.25	0.069	
lab*lab	0.625	0.25	0.069	
lab*lab	0.625	0.25	0.069	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	44.86	17.13	9.23	
LAB*LAB	44.86	17.14	7.88	
LAB*LAB	44.86	17.14	7.88	
LAB*LAB	44.86	17.14	7.88	

relative CIELAB lab*

lab*lab	0.444	0.5	0.0	
lab*lab	0.444	0.5	0.0	
lab*lab	0.444	0.5	0.0	
lab*lab	0.444	0.5	0.0	
relative Natural Colour (NC)				
lab*lab	0.444	0.5	0.0	
lab*lab	0.444	0.5	0.0	
lab*lab	0.444	0.5	0.0	
lab*lab	0.444	0.5	0.0	

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.322	(1.0)
olv3*	0.0	0.0	0.322	(0.0)
olv4*	1.0	0.0	0.322	(1.0)
olv4*	0.0	0.0	0.322	(0.0)
olv4*	0.0	0.0	0.322	(0.0)
olv4*	0.0	0.0	0.322	(0.0)
standard and adapted CIELAB				
LAB*LAB	59.85	51.12	26.01	
LAB*LAB	59.85	42.23	23.65	
LAB*LAB	59.85	42.23	23.65	
LAB*LAB	59.85	42.23	23.65	

relative Inform. Technology (IT)

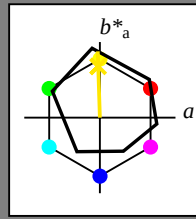
olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	52.36	34.13	17.62	
LAB*LAB	52.36	34.29	15.77	
LAB*LAB	52.36	34.29	15.77	
LAB*LAB	52.36	34.29	15.77	

Technology (IT)				
0.0	0.242	(1.0)		
1.0	0.758	(0.0)		
0.25	0.492	0.75		
0.75	0.508	0.25		
apted CIELAB				
51	51.49	24.71		
2	2	2.75		

www.ps.bam.de/NE54/10Q/Q54E07NP.PS/.PDF; start output
 N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

Input: Colorimetric Offset Reflective System ORS18
 for hue $h^* = lab^*h = 92/360 = 0.255$
 lab^*ch and lab^*nch

D65: hue J
 LCH*Ma: 86 88 92
 olv*Ma: 1.0 0.9 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	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

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

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

relative Inform. Technology (IT)

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

relative Inform. Technology (IT)

olv3*	1.0	0.975	0.75
olv4*	0.0	0.025	0.25
olv5*	1.0	0.975	0.75
olv6*	0.0	0.025	0.25
olv7*	1.0	0.975	0.75
olv8*	0.0	0.025	0.25
olv9*	1.0	0.975	0.75
olv10*	0.0	0.025	0.25
olv11*	1.0	0.975	0.75
olv12*	0.0	0.025	0.25
olv13*	1.0	0.975	0.75
olv14*	0.0	0.025	0.25
olv15*	1.0	0.975	0.75
olv16*	0.0	0.025	0.25
olv17*	1.0	0.975	0.75
olv18*	0.0	0.025	0.25
olv19*	1.0	0.975	0.75
olv20*	0.0	0.025	0.25
olv21*	1.0	0.975	0.75
olv22*	0.0	0.025	0.25
olv23*	1.0	0.975	0.75
olv24*	0.0	0.025	0.25
olv25*	1.0	0.975	0.75
olv26*	0.0	0.025	0.25
olv27*	1.0	0.975	0.75
olv28*	0.0	0.025	0.25
olv29*	1.0	0.975	0.75
olv30*	0.0	0.025	0.25
olv31*	1.0	0.975	0.75
olv32*	0.0	0.025	0.25
olv33*	1.0	0.975	0.75
olv34*	0.0	0.025	0.25
olv35*	1.0	0.975	0.75
olv36*	0.0	0.025	0.25
olv37*	1.0	0.975	0.75
olv38*	0.0	0.025	0.25
olv39*	1.0	0.975	0.75
olv40*	0.0	0.025	0.25
olv41*	1.0	0.975	0.75
olv42*	0.0	0.025	0.25
olv43*	1.0	0.975	0.75
olv44*	0.0	0.025	0.25
olv45*	1.0	0.975	0.75
olv46*	0.0	0.025	0.25
olv47*	1.0	0.975	0.75
olv48*	0.0	0.025	0.25
olv49*	1.0	0.975	0.75
olv50*	0.0	0.025	0.25
olv51*	1.0	0.975	0.75
olv52*	0.0	0.025	0.25
olv53*	1.0	0.975	0.75
olv54*	0.0	0.025	0.25
olv55*	1.0	0.975	0.75
olv56*	0.0	0.025	0.25
olv57*	1.0	0.975	0.75
olv58*	0.0	0.025	0.25
olv59*	1.0	0.975	0.75
olv60*	0.0	0.025	0.25
olv61*	1.0	0.975	0.75
olv62*	0.0	0.025	0.25
olv63*	1.0	0.975	0.75
olv64*	0.0	0.025	0.25
olv65*	1.0	0.975	0.75
olv66*	0.0	0.025	0.25
olv67*	1.0	0.975	0.75
olv68*	0.0	0.025	0.25
olv69*	1.0	0.975	0.75
olv70*	0.0	0.025	0.25
olv71*	1.0	0.975	0.75
olv72*	0.0	0.025	0.25
olv73*	1.0	0.975	0.75
olv74*	0.0	0.025	0.25
olv75*	1.0	0.975	0.75
olv76*	0.0	0.025	0.25
olv77*	1.0	0.975	0.75
olv78*	0.0	0.025	0.25
olv79*	1.0	0.975	0.75
olv80*	0.0	0.025	0.25
olv81*	1.0	0.975	0.75
olv82*	0.0	0.025	0.25
olv83*	1.0	0.975	0.75
olv84*	0.0	0.025	0.25
olv85*	1.0	0.975	0.75
olv86*	0.0	0.025	0.25
olv87*	1.0	0.975	0.75
olv88*	0.0	0.025	0.25
olv89*	1.0	0.975	0.75
olv90*	0.0	0.025	0.25
olv91*	1.0	0.975	0.75
olv92*	0.0	0.025	0.25
olv93*	1.0	0.975	0.75
olv94*	0.0	0.025	0.25
olv95*	1.0	0.975	0.75
olv96*	0.0	0.025	0.25
olv97*	1.0	0.975	0.75
olv98*	0.0	0.025	0.25
olv99*	1.0	0.975	0.75
olv100*	0.0	0.025	0.25

LAB*TCHa	87.5	21.93	91.85
relative CIELAB lab*			
lab*lab	0.97	-0.007	0.25
lab*tch	0.875	0.25	0.255
lab*nch	0.0	0.25	0.255
relative Natural Colour (NC)			
lab*lrj	0.97	0.0	0.25
lab*tce	0.875	0.25	0.25
lab*nce	0.0	0.25	j00g

Input: Colorimetric Offset Reflective System ORS18

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

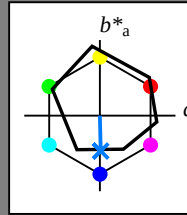
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

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
standard and adapted CIELAB				
LAB*LAB	95.41	-0.98	47.5	
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	95.41	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.872	1.0	(1.0)
olv3*	0.25	0.128	0.0	(0.0)
olv4*	0.75	0.872	1.0	1.0
olv4*	0.25	0.128	0.0	0.0
olv4*	0.25	0.128	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	82.0	-0.45	-7.31	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	

relative Inform. Technology (IT)

olv3*	0.75	0.872	1.0	(1.0)
olv3*	0.25	0.128	0.0	(0.0)
olv4*	0.75	0.872	1.0	1.0
olv4*	0.25	0.128	0.0	0.0
olv4*	0.25	0.128	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	82.0	-0.45	-7.31	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	

relative Inform. Technology (IT)

olv3*	0.75	0.872	1.0	(1.0)
olv3*	0.25	0.128	0.0	(0.0)
olv4*	0.75	0.872	1.0	1.0
olv4*	0.25	0.128	0.0	0.0
olv4*	0.25	0.128	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	82.0	-0.45	-7.31	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	

relative Inform. Technology (IT)

olv3*	0.75	0.872	1.0	(1.0)
olv3*	0.25	0.128	0.0	(0.0)
olv4*	0.75	0.872	1.0	1.0
olv4*	0.25	0.128	0.0	0.0
olv4*	0.25	0.128	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	82.0	-0.45	-7.31	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	

relative Inform. Technology (IT)

olv3*	0.75	0.872	1.0	(1.0)
olv3*	0.25	0.128	0.0	(0.0)
olv4*	0.75	0.872	1.0	1.0
olv4*	0.25	0.128	0.0	0.0
olv4*	0.25	0.128	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	82.0	-0.45	-7.31	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	

relative Inform. Technology (IT)

olv3*	0.75	0.872	1.0	(1.0)
olv3*	0.25	0.128	0.0	(0.0)
olv4*	0.75	0.872	1.0	1.0
olv4*	0.25	0.128	0.0	0.0
olv4*	0.25	0.128	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	82.0	-0.45	-7.31	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	

relative Inform. Technology (IT)

olv3*	0.75	0.872	1.0	(1.0)
olv3*	0.25	0.128	0.0	(0.0)
olv4*	0.75	0.872	1.0	1.0
olv4*	0.25	0.128	0.0	0.0
olv4*	0.25	0.128	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	82.0	-0.45	-7.31	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	

relative Inform. Technology (IT)

olv3*	0.75	0.872	1.0	(1.0)
olv3*	0.25	0.128	0.0	(0.0)
olv4*	0.75	0.872	1.0	1.0
olv4*	0.25	0.128	0.0	0.0
olv4*	0.25	0.128	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	82.0	-0.45	-7.31	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	

relative Inform. Technology (IT)

olv3*	0.75	0.872	1.0	(1.0)
olv3*	0.25	0.128	0.0	(0.0)
olv4*	0.75	0.872	1.0	1.0
olv4*	0.25	0.128	0.0	0.0
olv4*	0.25	0.128	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	82.0	-0.45	-7.31	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	

relative Inform. Technology (IT)

olv3*	0.75	0.872	1.0	(1.0)
olv3*	0.25	0.128	0.0	(0.0)
olv4*	0.75	0.872	1.0	1.0
olv4*	0.25	0.128	0.0	0.0
olv4*	0.25	0.128	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	82.0	-0.45	-7.31	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	

relative Inform. Technology (IT)

olv3*	0.75	0.872	1.0	(1.0)
olv3*	0.25	0.128	0.0	(0.0)
olv4*	0.75	0.872	1.0	1.0
olv4*	0.25	0.128	0.0	0.0
olv4*	0.25	0.128	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	82.0	-0.45	-7.31	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	

ORS18; adapted (a) CIELAB data

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

%Regularity

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

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

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	-0.98	47.5	
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	95.41	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
LAB*LAB	76.06	0.0	0.0	
LAB*LAB	76.06	0.0	0.0	
LAB*LAB	76.06	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
LAB*LAB	76.06	0.0	0.0	
LAB*LAB	76.06	0.0	0.0	
LAB*LAB	76.06	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
LAB*LAB	76.06	0.0	0.0	
LAB*LAB	76.06	0.0	0.0	
LAB*LAB	76.06	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)
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olv4*	0.0	0.0	0.0	0.0
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standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
LAB*LAB	76.06	0.0	0.0	
LAB*LAB	76.06	0.0	0.0	
LAB*LAB	76.06	0.0	0.0	

relative Inform. Technology (IT)

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olv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
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olv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
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LAB*LAB	76.06	0.0	0.0	

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olv4*	0.0	0.0	0.0	0.0
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standard and adapted CIELAB				
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LAB*LAB	76.06	0.0	0.0	
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olv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	76.06	-0.61	3.44	
LAB*LAB	76.06	0.0	0.0	
LAB*LAB	76.06	0.0	0.0	
LAB*LAB	76.06	0.0	0.0	

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