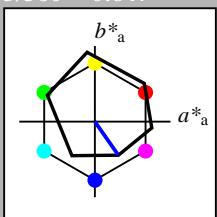




Input: Colorimetric Offset Reflective System ORS18
for hue $h^* = lab^*h = 305/360 = 0.847$

lab^*tch and lab^*nch

D65: hue V
LCH*Ma: 26 54 305
olv*Ma: 0.0 0.0 1.0
triangle lightness t^*



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

relative Inform. Technology (IT)
 olv^* 1.0 1.0 1.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
 olv^* 1.0 1.0 1.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0
standard and adapted CIELAB

LAB^{*LAB} 95.41 0.0 0.0
 LAB^{*TCh} 99.99 0.01

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

relative Inform. Technology (IT)
 olv^* 0.75 0.25 0.75 (1.0)
 $cmyn^*$ 0.25 0.25 0.25 (0.0)
 olv^* 1.0 1.0 1.0 (1.0)
 $cmyn^*$ 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^{*TCh} 75.51 0.01

relative CIELAB lab^*tch
 lab^*nch 0.75 0.0 0.0
 lab^*nCE 0.75 0.0 0.0
 lab^*nCE 0.25 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.75 0.25 0.75 (1.0)
 $cmyn^*$ 0.25 0.25 0.25 (0.0)
 olv^* 1.0 1.0 1.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB

LAB^{*LAB} 75.51 0.0 0.0
 LAB^{*TCh} 75.51 0.01

relative CIELAB lab^*tch
 lab^*nch 0.75 0.0 0.0
 lab^*nCE 0.75 0.0 0.0
 lab^*nCE 0.25 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.5 0.5 0.5 (1.0)
 $cmyn^*$ 0.5 0.5 0.5 (0.0)
 olv^* 0.75 0.25 0.75 (1.0)
 $cmyn^*$ 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.75 0.0 0.0
standard and adapted CIELAB

LAB^{*LAB} 58.64 7.49 -8.82
 LAB^{*LAB} 58.64 0.0 0.0
 LAB^{*TCh} 62.5 13.55 305.0

relative CIELAB lab^*tch
 lab^*nch 0.5 0.0 0.0
 lab^*nCE 0.5 0.0 0.0
 lab^*nCE 0.25 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.5 0.5 0.5 (1.0)
 $cmyn^*$ 0.5 0.5 0.5 (0.0)
 olv^* 0.75 0.25 0.75 (1.0)
 $cmyn^*$ 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.5 0.0 0.0
standard and adapted CIELAB

LAB^{*LAB} 41.32 15.84 -21.15
 LAB^{*LAB} 41.32 0.0 0.0
 LAB^{*TCh} 40.66 305.0

relative CIELAB lab^*tch
 lab^*nch 0.25 0.0 0.0
 lab^*nCE 0.25 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.25 0.25 0.25 (1.0)
 $cmyn^*$ 0.25 0.25 0.25 (0.0)
 olv^* 0.5 0.5 0.5 (1.0)
 $cmyn^*$ 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.5 0.0 0.0
standard and adapted CIELAB

LAB^{*LAB} 25.73 31.44 -44.34
 LAB^{*LAB} 25.73 0.0 0.0
 LAB^{*TCh} 50.0 0.0 0.0

relative CIELAB lab^*tch
 lab^*nch 0.25 0.0 0.0
 lab^*nCE 0.25 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.25 0.25 0.25 (1.0)
 $cmyn^*$ 0.25 0.25 0.25 (0.0)
 olv^* 0.5 0.5 0.5 (1.0)
 $cmyn^*$ 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.325 0.337 -0.669
standard and adapted CIELAB

LAB^{*LAB} 32.38 23.32 -33.20
 LAB^{*LAB} 32.38 0.0 0.0
 LAB^{*TCh} 37.51 40.66 305.0

relative CIELAB lab^*tch
 lab^*nch 0.25 0.0 0.0
 lab^*nCE 0.25 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.25 0.25 0.25 (1.0)
 $cmyn^*$ 0.25 0.25 0.25 (0.0)
 olv^* 0.5 0.5 0.5 (1.0)
 $cmyn^*$ 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.325 0.325 -0.892
standard and adapted CIELAB

LAB^{*LAB} 31.87 15.55 -22.44
 LAB^{*LAB} 31.87 0.0 0.0
 LAB^{*TCh} 37.36 0.0 0.0

relative CIELAB lab^*tch
 lab^*nch 0.25 0.0 0.0
 lab^*nCE 0.25 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.25 0.25 0.25 (1.0)
 $cmyn^*$ 0.25 0.25 0.25 (0.0)
 olv^* 0.5 0.5 0.5 (1.0)
 $cmyn^*$ 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.325 0.325 -0.824
standard and adapted CIELAB

LAB^{*LAB} 31.87 15.55 -22.44
 LAB^{*LAB} 31.87 0.0 0.0
 LAB^{*TCh} 37.36 0.0 0.0

relative CIELAB lab^*tch
 lab^*nch 0.25 0.0 0.0
 lab^*nCE 0.25 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 1.0 1.0 1.0 (0.0)
 olv^* 0.75 0.75 0.75 (1.0)
 $cmyn^*$ 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.025 0.112 -0.222
standard and adapted CIELAB

LAB^{*LAB} 19.94 8.23 -11.43
 LAB^{*LAB} 19.94 0.0 0.0
 LAB^{*TCh} 27.1 13.55 305.0

relative CIELAB lab^*tch
 lab^*nch 0.025 0.0 0.0
 lab^*nCE 0.025 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 1.0 1.0 1.0 (0.0)
 olv^* 0.75 0.75 0.75 (1.0)
 $cmyn^*$ 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.025 0.112 -0.222
standard and adapted CIELAB

LAB^{*LAB} 18.02 0.5 -0.47
 LAB^{*LAB} 18.02 0.0 0.0
 LAB^{*TCh} 0.01 0.01

relative CIELAB lab^*tch
 lab^*nch 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.025 0.0 0.0
standard and adapted CIELAB

LAB^{*LAB} 18.02 0.5 -0.47
 LAB^{*LAB} 18.02 0.0 0.0
 LAB^{*TCh} 0.01 0.01

relative CIELAB lab^*tch
 lab^*nch 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.025 0.0 0.0
standard and adapted CIELAB

LAB^{*LAB} 18.02 0.5 -0.47
 LAB^{*LAB} 18.02 0.0 0.0
 LAB^{*TCh} 0.01 0.01

relative CIELAB lab^*tch
 lab^*nch 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.025 0.0 0.0
standard and adapted CIELAB

LAB^{*LAB} 18.02 0.5 -0.47
 LAB^{*LAB} 18.02 0.0 0.0
 LAB^{*TCh} 0.01 0.01

relative CIELAB lab^*tch
 lab^*nch 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.025 0.0 0.0
standard and adapted CIELAB

LAB^{*LAB} 18.02 0.5 -0.47
 LAB^{*LAB} 18.02 0.0 0.0
 LAB^{*TCh} 0.01 0.01

relative CIELAB lab^*tch
 lab^*nch 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.025 0.0 0.0
standard and adapted CIELAB

LAB^{*LAB} 18.02 0.5 -0.47
 LAB^{*LAB} 18.02 0.0 0.0
 LAB^{*TCh} 0.01 0.01

relative CIELAB lab^*tch
 lab^*nch 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.025 0.0 0.0
standard and adapted CIELAB

LAB^{*LAB} 18.02 0.5 -0.47
 LAB^{*LAB} 18.02 0.0 0.0
 LAB^{*TCh} 0.01 0.01

relative CIELAB lab^*tch
 lab^*nch 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.025 0.0 0.0
standard and adapted CIELAB

LAB^{*LAB} 18.02 0.5 -0.47
 LAB^{*LAB} 18.02 0.0 0.0
 LAB^{*TCh} 0.01 0.01

relative CIELAB lab^*tch
 lab^*nch 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.025 0.0 0.0
standard and adapted CIELAB

LAB^{*LAB} 18.02 0.5 -0.47
 LAB^{*LAB} 18.02 0.0 0.0
 LAB^{*TCh} 0.01 0.01

relative CIELAB lab^*tch
 lab^*nch 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.025 0.0 0.0
standard and adapted CIELAB

LAB^{*LAB} 18.02 0.5 -0.47
 LAB^{*LAB} 18.02 0.0 0.0
 LAB^{*TCh} 0.01 0.01

relative CIELAB lab^*tch
 lab^*nch 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.025 0.0 0.0
standard and adapted CIELAB

LAB^{*LAB} 18.02 0.5 -0.47
 LAB^{*LAB} 18.02 0.0 0.0
 LAB^{*TCh} 0.01 0.01

relative CIELAB lab^*tch
 lab^*nch 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.025 0.0 0.0
standard and adapted CIELAB

LAB^{*LAB} 18.02 0.5 -0.47
 LAB^{*LAB} 18.02 0.0 0.0
 LAB^{*TCh} 0.01 0.01

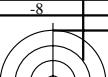
relative CIELAB lab^*tch
 lab^*nch 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.025 0.0 0.0
standard and adapted CIELAB

LAB^{*LAB} 18.02 0.5 -0.47
 LAB^{*LAB} 18.02 0.0 0.0
 LAB^{*TCh} 0.01 0.01

relative CIELAB lab^*tch
 lab^*nch 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0
 lab^*nCE 0.0 0.0 0.0

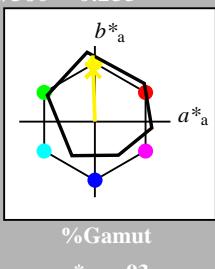
relative Inform. Technology (IT)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
 olv^* 0.0 0.0 0.0 (1.0)
 $cmyn^*$ 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
 lab^*lJr 0.025 0.0 0.0
standard and adapted CIELAB



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

lab^*tch 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
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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

relative Inform. Technology (IT)

olv^*_{IT} 1.0 1.0 1.0 (1.0)

$cmy3^*$ 0.0 0.0 0.0 (0.0)

olv^*_{IT} 1.0 1.0 1.0 (1.0)

$cmy4^*$ 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB^*LAB 76.06 -0.61 3.44

LAB^*TCh 75.75 0.01 -

relative CIELAB lab*

lab^*lab 0.75 0.0 0.0

lab^*tch 0.75 0.0 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.0 0.0

lab^*nre 0.75 0.0 0.0

relative CIELAB lab*

lab^*lab 0.75 0.25 0.5

lab^*tch 0.75 0.25 0.5

relative Natural Colour (NC)

lab^*lrc 0.75 0.25 0.5

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc 0.75 0.5 0.0

relative CIELAB lab*

lab^*lab 0.75 0.5 0.0

lab^*tch 0.75 0.5 0.0

relative Natural Colour (NC)

lab^*lrc



Input: Colorimetric Offset Reflective System ORS18
for hue $h^* = lab^*h = 164/360 = 0.457$

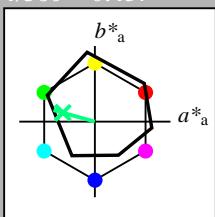
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



relative Inform. Technology (IT)

olv^*_{IT} 1.0 1.0 1.0 (1.0)

cmy^*_{IT} 0.0 0.0 0.0 (0.0)

olv^*_{IT} 1.0 1.0 1.0 (1.0)

cmy^*_{IT} 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB^*LAB 76.06 -61.34

LAB^*TCh 75.75 1.01

relative CIELAB lab*

lab^*tch 0.75 0.0 0.0

lab^*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab^*rce 1.0 0.0 0.0

lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)

olv^*_{IT} 0.75 0.25 0.25 (0.0)

cmy^*_{IT} 0.25 0.25 0.25 (0.0)

olv^*_{IT} 1.0 1.0 1.0 (1.0)

cmy^*_{IT} 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB^*LAB 76.06 -61.34

LAB^*TCh 75.75 1.01

relative CIELAB lab*

lab^*tch 0.75 0.0 0.0

lab^*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab^*rce 0.75 0.0 0.0

lab^*nCE 0.25 0.0 0.0

relative Inform. Technology (IT)

olv^*_{IT} 0.5 0.5 0.5 (1.0)

cmy^*_{IT} 0.5 0.5 0.5 (0.0)

olv^*_{IT} 1.0 1.0 1.0 (1.0)

cmy^*_{IT} 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB^*LAB 76.06 -61.34

LAB^*TCh 75.75 1.01

relative CIELAB lab*

lab^*tch 0.25 0.0 0.0

lab^*nch 0.5 0.0 0.0

relative Natural Colour (NC)

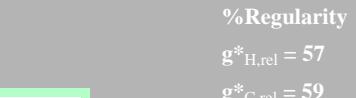
lab^*rce 0.25 0.0 0.0

lab^*nCE 0.75 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



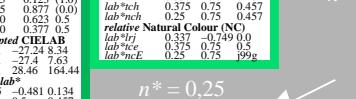
%Regularity

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

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

ORS18; adapted (b) 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



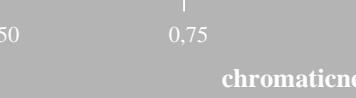
%Regularity

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

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

ORS18; adapted (c) 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

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

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

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

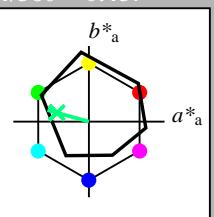
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



relative Inform. Technology (IT)

olv^*_{IT} 1.0 1.0 1.0 (1.0)

cmy^*_{IT} 0.5 0.5 0.5 (0.0)

olv^*_{IT} 1.0 1.0 1.0 (1.0)

cmy^*_{IT} 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB^*LAB 76.06 -61.34

LAB^*TCh 75.75 1.01

relative CIELAB lab*

lab^*tch 0.75 0.0 0.0

lab^*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab^*rce 1.0 0.0 0.0

lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)

olv^*_{IT} 0.25 0.25 0.25 (0.0)

cmy^*_{IT} 0.5 0.5 0.5 (0.0)

olv^*_{IT} 1.0 1.0 1.0 (1.0)

cmy^*_{IT} 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB^*LAB 76.06 -61.34

LAB^*TCh 75.75 1.01

relative CIELAB lab*

lab^*tch 0.75 0.0 0.0

lab^*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab^*rce 0.75 0.0 0.0

lab^*nCE 0.25 0.0 0.0

relative Inform. Technology (IT)

olv^*_{IT} 0.5 0.5 0.5 (1.0)

cmy^*_{IT} 0.5 0.5 0.5 (0.0)

olv^*_{IT} 1.0 1.0 1.0 (1.0)

cmy^*_{IT} 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB^*LAB 76.06 -61.34

LAB^*TCh 75.75 1.01

relative CIELAB lab*

lab^*tch 0.75 0.0 0.0

lab^*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab^*rce 0.25 0.0 0.0

lab^*nCE 0.75 0.0 0.0

$n^* = 1,0$

	$L^*=L_a^*$	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
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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

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

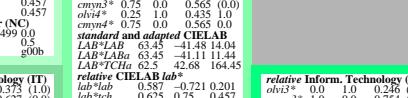
$g^*_{C,rel} = 59$



%Regularity

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

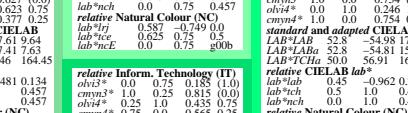
$g^*_{C,rel} = 59$



%Regularity

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

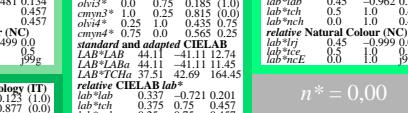
$g^*_{C,rel} = 59$



%Regularity

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

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



%Regularity

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

