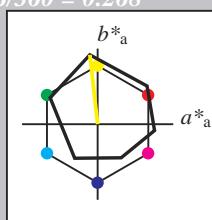


Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 96/360 = 0.268$
 lab^*tch and lab^*nch

D65: hue Y
 LCH*Ma: 90 92 96
 olv*Ma: 1.0 1.0 0.0
 triangle lightness t^*



relative Inform. Technology (IT)
 $olv3^*$ 1.0 1.0 1.0 (1.0)
 $cmy3^*$ 0.0 0.0 0.0 (0.0)
 $olv4^*$ 1.0 1.0 1.0 1.0
 $cmy4^*$ 0.0 0.0 0.0 0.0

standard and adapted CIELAB
 LAB^*LAB 95.41 -0.97 4.75
 LAB^*LABa 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 -
 lab^*nch 0.0 0.0 -

relative Natural Colour (NC)
 lab^*lrij 1.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*nCE 0.0 0.0 -

relative Inform. Technology (IT)
 $olv3^*$ 0.5 0.5 0.5 (1.0)
 $cmy3^*$ 0.5 0.5 0.5 (0.0)
 $olv4^*$ 1.0 1.0 1.0 0.5
 $cmy4^*$ 0.0 0.0 0.0 0.5

standard and adapted CIELAB
 LAB^*LAB 56.71 -0.23 2.14
 LAB^*LABa 56.71 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 -
 lab^*nch 0.5 0.0 -

relative Natural Colour (NC)
 lab^*lrij 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nCE 0.5 0.0 -

relative Inform. Technology (IT)
 $olv3^*$ 0.0 0.0 0.0 (1.0)
 $cmy3^*$ 1.0 1.0 1.0 (0.0)
 $olv4^*$ 1.0 1.0 1.0 0.0
 $cmy4^*$ 0.0 0.0 0.0 1.0

standard and adapted CIELAB
 LAB^*LAB 18.02 0.5 -0.46
 LAB^*LABa 18.02 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 -
 lab^*nch 1.0 0.0 -

relative Natural Colour (NC)
 lab^*lrij 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nCE 1.0 0.0 -

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

relative Inform. Technology (IT)

$olv3^*$ 1.0 1.0 0.5 (1.0)

$cmy3^*$ 0.0 0.0 0.5 (0.0)

$olv4^*$ 1.0 1.0 1.0 1.0

$cmy4^*$ 0.0 0.0 0.5 0.0

standard and adapted CIELAB

LAB^*LAB 95.41 -0.97 4.75

LAB^*LABa 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 -

lab^*nch 0.0 0.0 -

relative Natural Colour (NC)

lab^*lrij 1.0 0.0 0.0

lab^*tce 1.0 0.0 -

lab^*nCE 0.0 0.0 -

standard and adapted CIELAB

LAB^*LAB 95.41 -0.97 4.75

LAB^*LABa 95.41 0.0 0.0

LAB^*TChA 99.99 0.01 -

relative CIELAB lab*

lab^*lab 0.967 -0.055 0.497

lab^*tch 0.75 0.5 0.268

lab^*nch 0.0 0.5 0.268

relative Natural Colour (NC)

lab^*lrij 0.967 -0.048 0.497

lab^*tce 0.75 0.5 0.266

lab^*nCE 0.0 0.5 j06g

relative Inform. Technology (IT)

$olv3^*$ 0.5 0.5 0.5 (1.0)

$cmy3^*$ 0.5 0.5 0.5 (0.0)

$olv4^*$ 1.0 1.0 0.5 0.5

$cmy4^*$ 0.0 0.0 0.5 0.5

standard and adapted CIELAB

LAB^*LAB 56.71 -0.23 2.14

LAB^*LABa 56.71 0.0 0.0

LAB^*TChA 50.0 0.01 -

relative CIELAB lab*

lab^*lab 0.967 -0.055 0.497

lab^*tch 0.75 0.5 0.268

lab^*nch 0.0 0.5 0.268

relative Natural Colour (NC)

lab^*lrij 0.967 -0.048 0.497

lab^*tce 0.75 0.5 0.266

lab^*nCE 0.0 0.5 j06g

relative Inform. Technology (IT)

$olv3^*$ 0.5 0.5 0.5 (1.0)

$cmy3^*$ 0.5 0.5 0.5 (0.0)

$olv4^*$ 1.0 1.0 0.5 0.5

$cmy4^*$ 0.0 0.0 0.5 0.5

standard and adapted CIELAB

LAB^*LAB 56.71 -0.23 2.14

LAB^*LABa 56.71 0.0 0.0

LAB^*TChA 50.0 0.01 -

relative CIELAB lab*

lab^*lab 0.967 -0.055 0.497

lab^*tch 0.75 0.5 0.268

lab^*nch 0.0 0.5 0.268

relative Natural Colour (NC)

lab^*lrij 0.967 -0.048 0.497

lab^*tce 0.75 0.5 0.266

lab^*nCE 0.0 0.5 j06g

relative Inform. Technology (IT)

$olv3^*$ 0.5 0.5 0.5 (1.0)

$cmy3^*$ 0.5 0.5 0.5 (0.0)

$olv4^*$ 1.0 1.0 0.5 0.5

$cmy4^*$ 0.0 0.0 0.5 0.5

standard and adapted CIELAB

LAB^*LAB 56.71 -0.23 2.14

LAB^*LABa 56.71 0.0 0.0

LAB^*TChA 50.0 0.01 -

relative CIELAB lab*

lab^*lab 0.967 -0.055 0.497

lab^*tch 0.75 0.5 0.268

lab^*nch 0.0 0.5 0.268

relative Natural Colour (NC)

lab^*lrij 0.967 -0.048 0.497

lab^*tce 0.75 0.5 0.266

lab^*nCE 0.0 0.5 j06g

relative Inform. Technology (IT)

$olv3^*$ 0.5 0.5 0.5 (1.0)

$cmy3^*$ 0.5 0.5 0.5 (0.0)

$olv4^*$ 1.0 1.0 0.5 0.5

$cmy4^*$ 0.0 0.0 0.5 0.5

standard and adapted CIELAB

LAB^*LAB 56.71 -0.23 2.14

LAB^*LABa 56.71 0.0 0.0

LAB^*TChA 50.0 0.01 -

relative CIELAB lab*

lab^*lab 0.967 -0.055 0.497

lab^*tch 0.75 0.5 0.268

lab^*nch 0.0 0.5 0.268

relative Natural Colour (NC)

lab^*lrij 0.967 -0.048 0.497

lab^*tce 0.75 0.5 0.266

lab^*nCE 0.0 0.5 j06g

relative Inform. Technology (IT)

$olv3^*$ 0.5 0.5 0.5 (1.0)

$cmy3^*$ 0.5 0.5 0.5 (0.0)

$olv4^*$ 1.0 1.0 0.5 0.5

$cmy4^*$ 0.0 0.0 0.5 0.5

standard and adapted CIELAB

LAB^*LAB 56.71 -0.23 2.14

LAB^*LABa 56.71 0.0 0.0

LAB^*TChA 50.0 0.01 -

relative CIELAB lab*

lab^*lab 0.967 -0.055 0.497

lab^*tch 0.75 0.5 0.268

lab^*nch 0.0 0.5 0.268

relative Natural Colour (NC)

lab^*lrij 0.967 -0.048 0.497

lab^*tce 0.75 0.5 0.266

lab^*nCE 0.0 0.5 j06g

relative Inform. Technology (IT)

$olv3^*$ 0.5 0.5 0.5 (1.0)

$cmy3^*$ 0.5 0.5 0.5 (0.0)

$olv4^*$ 1.0 1.0 0.5 0.5

$cmy4^*$ 0.0 0.0 0.5 0.5

standard and adapted CIELAB

LAB^*LAB 56.71 -0.23 2.14

LAB^*LABa 56.71 0.0 0.0

LAB^*TChA 50.0 0.01 -

relative CIELAB lab*

lab^*lab 0.967 -0.055 0.497

lab^*tch 0.75 0.5 0.268

lab^*nch 0.0 0.5 0.268

relative Natural Colour (NC)

lab^*lrij 0.967 -0.048 0.497

lab^*tce 0.75 0.5 0.266

lab^*nCE 0.0 0.5 j06g

relative Inform. Technology (IT)

$olv3^*$ 0.5 0.5 0.5 (1.0)

$cmy3^*$ 0.5 0.5 0.5 (0.0)

$olv4^*$ 1.0 1.0 0.5 0.5

$cmy4^*$ 0.0 0.0 0.5 0.5

standard and adapted CIELAB

LAB^*LAB 95.41 -0.97 4.75

LAB^*LABa 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 -

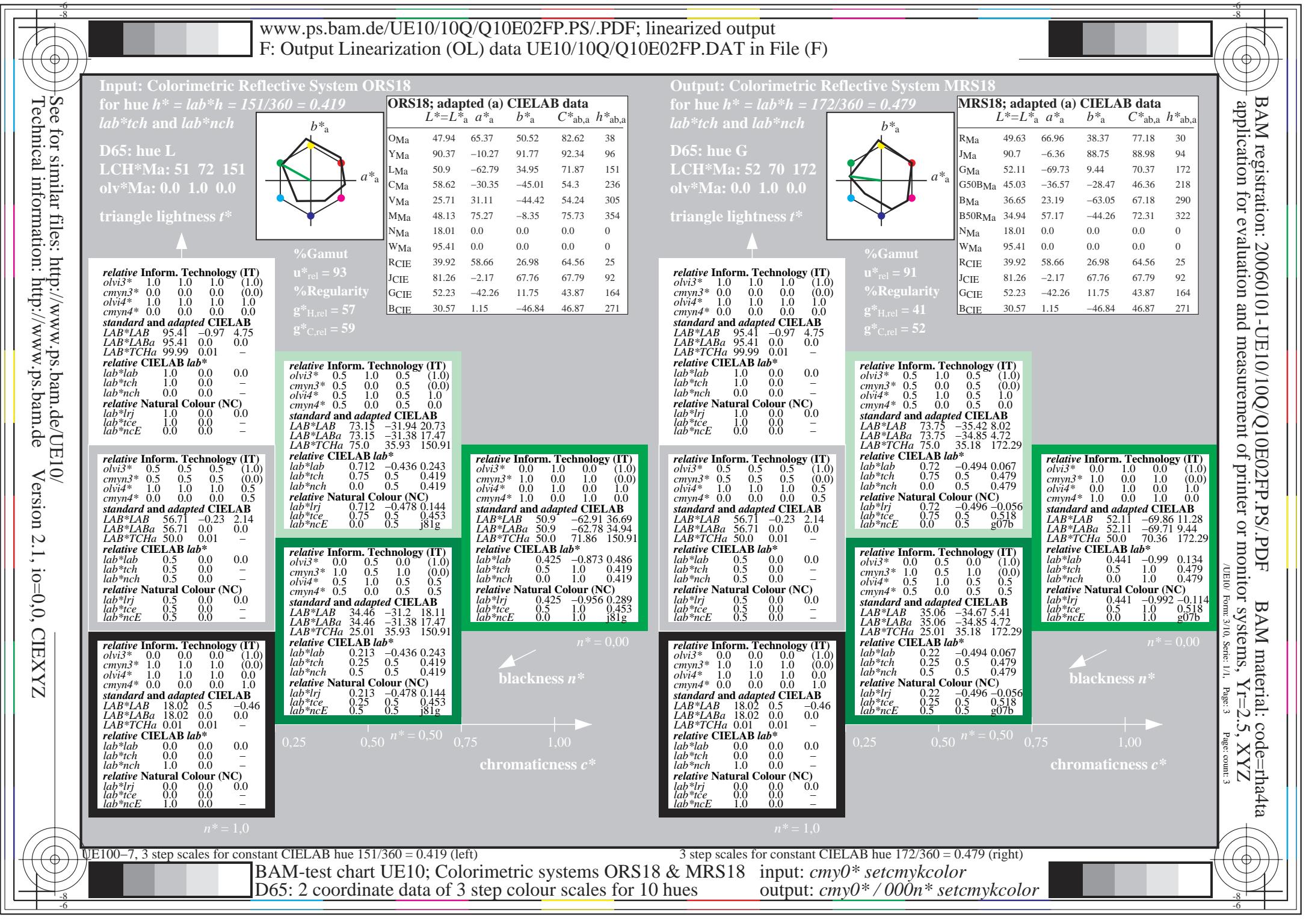
lab^*nch 0.0 0.0 -

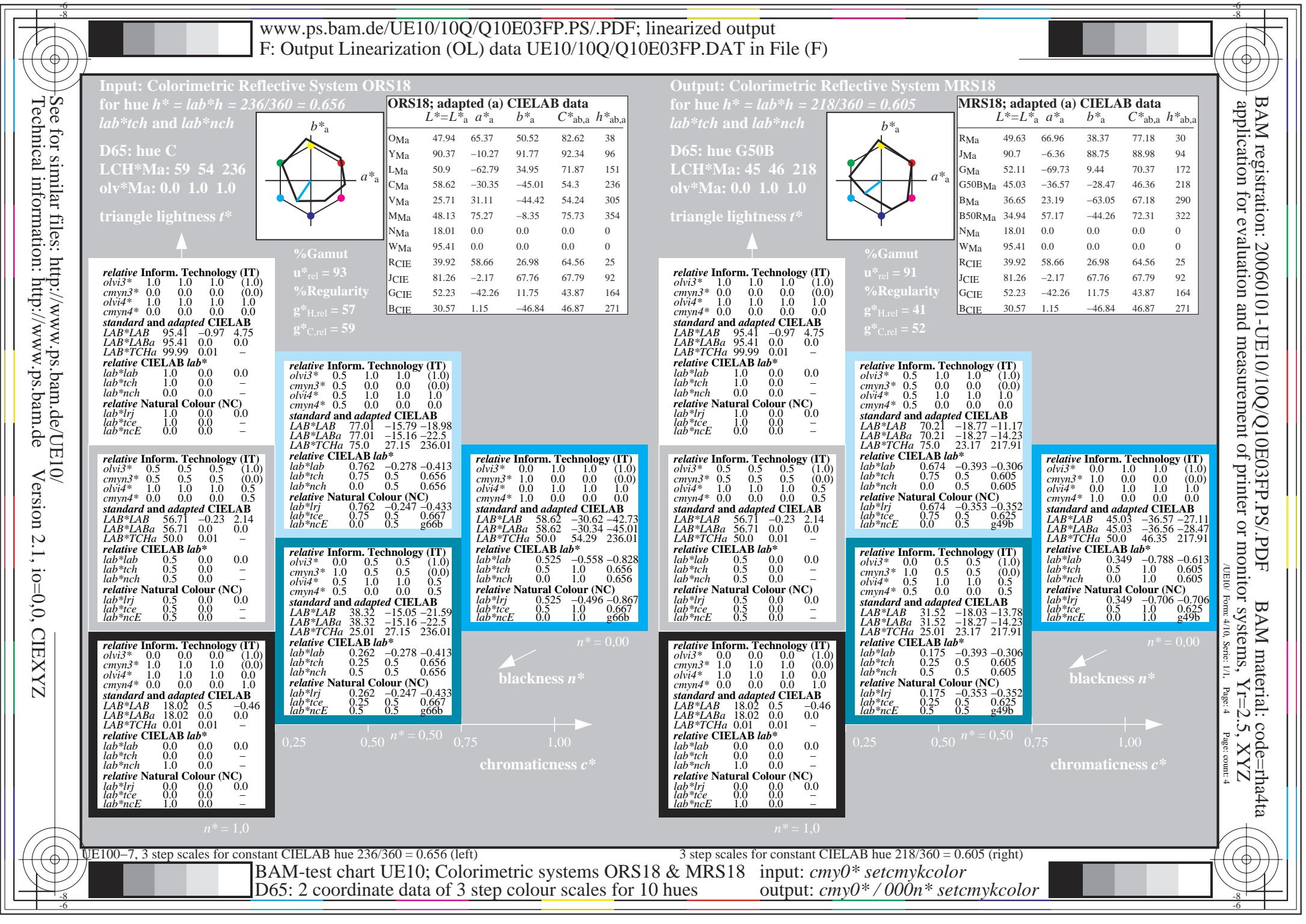
relative Natural Colour (NC)

lab^*lrij 1.0 0.0 0.0

lab^*tce 1.0 0.0 -

lab^*nCE 0.0 0.0 -





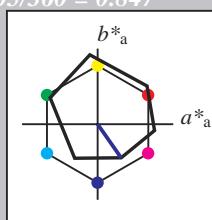
Input: Colorimetric Reflective System ORS18

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^* 

relative Inform. Technology (IT)
 olv_i3^* 1.0 1.0 1.0 (1.0)
 cmy_n3^* 0.0 0.0 0.0 (0.0)
 olv_i4^* 1.0 1.0 1.0 1.0
 cmy_n4^* 0.0 0.0 0.0 0.0

standard and adapted CIELAB
 LAB^*LAB 95.41 -0.97 4.75
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCh_a 99.99 0.01 -

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

relative Natural Colour (NC)
 lab^*lrij 1.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*ncE 0.0 0.0 -

relative Inform. Technology (IT)
 olv_i3^* 0.5 0.5 0.5 (1.0)
 cmy_n3^* 0.5 0.5 0.5 (0.0)
 olv_i4^* 0.5 1.0 1.0 0.5
 cmy_n4^* 0.0 0.0 0.0 0.5

standard and adapted CIELAB
 LAB^*LAB 56.71 -0.23 2.14
 LAB^*LABa 56.71 0.0 0.0
 LAB^*TCh_a 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.5 0.0 -

relative Natural Colour (NC)
 lab^*lrij 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*ncE 0.5 0.0 -

relative Inform. Technology (IT)
 olv_i3^* 0.0 0.0 0.0 (1.0)
 cmy_n3^* 1.0 1.0 1.0 (0.0)
 olv_i4^* 1.0 1.0 1.0 0.0
 cmy_n4^* 0.0 0.0 0.0 1.0

standard and adapted CIELAB
 LAB^*LAB 18.02 0.5 -0.46
 LAB^*LABa 18.02 0.0 0.0
 LAB^*TCh_a 0.01 0.01 -

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

relative Natural Colour (NC)
 lab^*lrij 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*ncE 1.0 0.0 -

 $n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_{ab,a}$	$b^*_{ab,a}$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

relative Inform. Technology (IT)
 olv_i3^* 0.5 0.5 1.0 (1.0)
 cmy_n3^* 0.5 0.5 0.0 (0.0)
 olv_i4^* 0.5 0.5 1.0 1.0
 cmy_n4^* 0.0 0.0 0.0 0.0

standard and adapted CIELAB
 LAB^*LAB 60.56 15.24 -19.79
 LAB^*LABa 60.56 15.55 -22.2
 LAB^*TCh_a 75.0 27.11 305.0

relative CIELAB lab*
 lab^*lab 0.55 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^*lrij 0.55 0.225 -0.446
 lab^*tce 0.75 0.5 0.824
 lab^*ncE 0.0 0.5 b29r

relative Inform. Technology (IT)
 olv_i3^* 0.0 0.0 1.0 (1.0)
 cmy_n3^* 1.0 1.0 0.0 (0.0)
 olv_i4^* 0.0 0.0 1.0 1.0
 cmy_n4^* 1.0 1.0 0.0 0.0

standard and adapted CIELAB
 LAB^*LAB 25.72 31.46 -44.36
 LAB^*LABa 25.72 31.1 -44.41
 LAB^*TCh_a 50.0 54.23 305.0

relative CIELAB lab*
 lab^*lab 0.1 0.573 -0.818
 lab^*tch 0.5 1.0 0.847
 lab^*nch 0.0 1.0 0.847

relative Natural Colour (NC)
 lab^*lrij 0.1 0.449 -0.892
 lab^*tce 0.5 1.0 0.824
 lab^*ncE 0.0 1.0 b29r

relative Inform. Technology (IT)
 olv_i3^* 0.0 0.0 0.5 (1.0)
 cmy_n3^* 1.0 1.0 0.5 (0.0)
 olv_i4^* 0.5 0.5 1.0 0.5
 cmy_n4^* 0.5 0.5 0.0 0.5

standard and adapted CIELAB
 LAB^*LAB 21.87 15.98 -22.4
 LAB^*LABa 21.87 15.55 -22.2
 LAB^*TCh_a 25.01 27.11 305.0

relative CIELAB lab*
 lab^*lab 0.05 0.287 -0.408
 lab^*tch 0.25 0.5 0.847
 lab^*nch 0.5 0.5 0.847

relative Natural Colour (NC)
 lab^*lrij 0.05 0.225 -0.446
 lab^*tce 0.25 0.5 0.824
 lab^*ncE 0.5 0.5 b29r

relative Inform. Technology (IT)
 olv_i3^* 0.0 0.0 0.0 (1.0)
 cmy_n3^* 1.0 1.0 1.0 (0.0)
 olv_i4^* 1.0 1.0 1.0 0.0
 cmy_n4^* 0.0 0.0 0.0 1.0

standard and adapted CIELAB
 LAB^*LAB 18.02 0.5 -0.46
 LAB^*LABa 18.02 0.0 0.0
 LAB^*TCh_a 0.01 0.01 -

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

relative Natural Colour (NC)
 lab^*lrij 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*ncE 1.0 0.0 -

$n^* = 0,00$

$blackness n^*$

$chromaticness c^*$

$n^* = 0,50$

$n^* = 1,00$

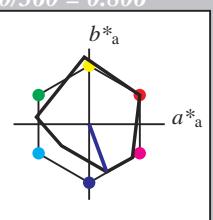
Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 290/360 = 0.806$ lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

olv*Ma: 0.0 0.0 1.0

triangle lightness t^* 

%Gamut

 $u^*_{rel} = 93$

%Regularity

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

relative Inform. Technology (IT)

 olv_i3^* 1.0 1.0 1.0 (1.0) cmy_n3^* 0.0 0.0 0.0 (0.0) olv_i4^* 1.0 1.0 1.0 1.0 cmy_n4^* 0.0 0.0 0.0 0.0

standard and adapted CIELAB

 LAB^*LAB 95.41 -0.97 4.75 LAB^*LABa 95.41 0.0 0.0 LAB^*TCh_a 99.99 0.01 -

relative CIELAB lab*

 lab^*lab 1.0 0.0 0.0 lab^*tch 1.0 0.0 - lab^*nch 0.0 0.0 -

relative Natural Colour (NC)

 lab^*lrij 1.0 0.0 0.0 lab^*tce 1.0 0.0 - lab^*ncE 0.0 0.0 -

relative Inform. Technology (IT)

 olv_i3^* 0.5 0.5 1.0 (1.0) cmy_n3^* 0.5 0.5 0.0 (0.0) olv_i4^* 0.0 0.0 1.0 0.5 cmy_n4^* 0.0 0.0 0.0 0.5

standard and adapted CIELAB

 LAB^*LAB 66.03 11.17 -28.74 LAB^*LABa 66.03 11.59 -31.51 LAB^*TCh_a 75.0 33.59 290.19

relative CIELAB lab*

 lab^*lab 0.62 0.173 -0.468 lab^*tch 0.75 0.5 0.806 lab^*nch 0.0 0.5 0.806

relative Natural Colour (NC)

 lab^*lrij 0.62 0.129 -0.482 lab^*tce 0.75 0.5 0.791 lab^*ncE 0.0 0.5 b16r

relative Inform. Technology (IT)

 olv_i3^* 0.0 0.0 0.5 (1.0) cmy_n3^* 1.0 1.0 1.0 (0.0) olv_i4^* 0.5 0.5 1.0 0.5 cmy_n4^* 0.5 0.5 0.0 0.5

standard and adapted CIELAB

 LAB^*LAB 36.65 23.33 -62.24 LAB^*LABa 36.65 23.18 -63.03 LAB^*TCh_a 50.0 67.17 290.19

relative CIELAB lab*

 lab^*lab 0.241 0.345 -0.937 lab^*tch 0.5 1.0 0.806 lab^*nch 0.0 1.0 0.806

relative Natural Colour (NC)

 lab^*lrij 0.241 0.257 -0.965 lab^*tce 0.5 1.0 0.791 lab^*ncE 0.0 1.0 b16r

relative Inform. Technology (IT)

 olv_i3^* 0.0 0.0 0.0 (1.0) cmy_n3^* 1.0 1.0 1.0 (0.0) olv_i4^* 1.0 1.0 1.0 1.0 cmy_n4^* 1.0 1.0 0.0 0.0

standard and adapted CIELAB

 LAB^*LAB 27.34 11.92 -31.35 LAB^*LABa 27.34 11.59 -31.51 LAB^*TCh_a 25.01 33.59 290.19

relative CIELAB lab*

 lab^*lab 0.12 0.173 -0.468 lab^*tch 0.25 0.5 0.806 lab^*nch 0.5 0.5 0.806

relative Natural Colour (NC)

 lab^*lrij 0.12 0.129 -0.482 lab^*tce 0.25 0.5 0.791 lab^*ncE 0.5 0.5 b16r

relative Inform. Technology (IT)

 olv_i3^* 0.0 0.0 0.0 (1.0) cmy_n3^* 1.0 1.0 1.0 (0.0) olv_i4^* 1.0 1.0 1.0 1.0 cmy_n4^* 1.0 1.0 0.0 0.0

standard and adapted CIELAB

 LAB^*LAB 27.34 11.92 -31.35 LAB^*LABa 27.34 11.59 -31.51 LAB^*TCh_a 25.01 33.59 290.19

relative CIELAB lab*

 lab^*lab 0.241 0.345 -0.937 lab^*tch 0.5 1.0 0.806 lab^*nch 0.0 1.0 0.806

relative Natural Colour (NC)

 lab^*lrij 0.241 0.257 -0.965 lab^*tce 0.5 1.0 0.791 lab^*ncE 0.0 1.0 b16r

relative Inform. Technology (IT)

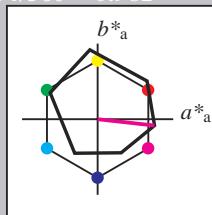
 olv_i3^* 0.0 0.0 0.0 (1.0) cmy_n3^* 1.0 1.0 1.0 (0.0) olv_i4^* 1.0 1.0 1.0 1.0 cmy_n4^* 1.0 1.0 0.0 0.0

standard and adapted CIELAB

 LAB^*LAB 27.34 11.92 -31.35 LAB^*LABa 27.34 11.59 -31.51 LAB^*TCh_a 25.01 33.59 290.19

relative CIELAB lab*

 $$

Input: Colorimetric Reflective System ORS18for 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^* **relative Inform. Technology (IT)**
 $olvi3^* 1.0 \quad 1.0 \quad 1.0 \quad (1.0)$
 $cmy3^* 0.0 \quad 0.0 \quad 0.0 \quad (0.0)$
 $olvi4^* 1.0 \quad 1.0 \quad 1.0 \quad 1.0$
 $cmy4^* 0.0 \quad 0.0 \quad 0.0 \quad 0.0$
standard and adapted CIELAB
 $LAB^*LAB \quad 95.41 \quad -0.97 \quad 4.75$
 $LAB^*LABa \quad 95.41 \quad 0.0 \quad 0.0$
 $LAB^*TChA \quad 99.99 \quad 0.01 \quad -$
relative CIELAB lab*
 $lab^*lab \quad 1.0 \quad 0.0 \quad 0.0$
 $lab^*tch \quad 1.0 \quad 0.0 \quad -$
 $lab^*nch \quad 0.0 \quad 0.0 \quad -$
relative Natural Colour (NC)
 $lab^*lrij \quad 1.0 \quad 0.0 \quad 0.0$
 $lab^*ice \quad 1.0 \quad 0.0 \quad -$
 $lab^*nCE \quad 0.0 \quad 0.0 \quad -$
relative Inform. Technology (IT)
 $olvi3^* 0.5 \quad 0.5 \quad 0.5 \quad (1.0)$
 $cmy3^* 0.5 \quad 0.5 \quad 0.5 \quad (0.0)$
 $olvi4^* 1.0 \quad 1.0 \quad 1.0 \quad 0.5$
 $cmy4^* 0.0 \quad 0.0 \quad 0.0 \quad 0.5$
standard and adapted CIELAB
 $LAB^*LAB \quad 56.71 \quad -0.23 \quad 2.14$
 $LAB^*LABa \quad 56.71 \quad 0.0 \quad 0.0$
 $LAB^*TChA \quad 50.0 \quad 0.01 \quad -$
relative CIELAB lab*
 $lab^*lab \quad 0.5 \quad 0.0 \quad 0.0$
 $lab^*tch \quad 0.5 \quad 0.0 \quad -$
 $lab^*nch \quad 0.5 \quad 0.0 \quad -$
relative Natural Colour (NC)
 $lab^*lrij \quad 0.5 \quad 0.0 \quad 0.0$
 $lab^*ice \quad 0.5 \quad 0.0 \quad -$
 $lab^*nCE \quad 0.5 \quad 0.0 \quad -$
relative Inform. Technology (IT)
 $olvi3^* 0.0 \quad 0.0 \quad 0.0 \quad (1.0)$
 $cmy3^* 1.0 \quad 1.0 \quad 1.0 \quad (0.0)$
 $olvi4^* 1.0 \quad 1.0 \quad 1.0 \quad 0.0$
 $cmy4^* 0.0 \quad 0.0 \quad 0.0 \quad 1.0$
standard and adapted CIELAB
 $LAB^*LAB \quad 18.02 \quad 0.5 \quad -0.46$
 $LAB^*LABa \quad 18.02 \quad 0.0 \quad 0.0$
 $LAB^*TChA \quad 0.01 \quad 0.01 \quad -$
relative CIELAB lab*
 $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$
 $lab^*tch \quad 0.0 \quad 0.0 \quad -$
 $lab^*nch \quad 1.0 \quad 0.0 \quad -$
relative Natural Colour (NC)
 $lab^*lrij \quad 0.0 \quad 0.0 \quad 0.0$
 $lab^*ice \quad 0.0 \quad 0.0 \quad -$
 $lab^*nCE \quad 1.0 \quad 0.0 \quad -$
 $n^* = 1,0$ **ORS18; adapted (a) CIELAB data**
 $L^*=L^*_a \quad a^*_a \quad b^*_a \quad C^*_{ab,a} \quad h^*_{ab,a}$

	O Ma	Y Ma	L Ma	C Ma	V Ma	M Ma	N Ma	W Ma	R CIE	J CIE	G CIE	B CIE
	47.94	65.37	50.52	82.62	38							
	90.37	-10.27	91.77	92.34	96							
	50.9	-62.79	34.95	71.87	151							
	58.62	-30.35	-45.01	54.3	236							
	25.71	31.11	-44.42	54.24	305							
	48.13	75.27	-8.35	75.73	354							
	18.01	0.0	0.0	0.0	0							
	95.41	0.0	0.0	0.0	0							
	39.92	58.66	26.98	64.56	25							
	81.26	-2.17	67.76	67.79	92							
	52.23	-42.26	11.75	43.87	164							
	30.57	1.15	-46.84	46.87	271							

%Gamut

 $u^*_{rel} = 93$

%Regularity

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

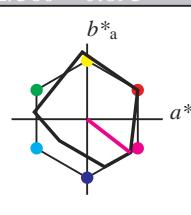
relative Inform. Technology (IT)

 $olvi3^* 1.0 \quad 0.5 \quad 1.0 \quad (1.0)$
 $cmy3^* 0.0 \quad 0.5 \quad 0.0 \quad (0.0)$
 $olvi4^* 1.0 \quad 0.5 \quad 1.0 \quad 1.0$
 $cmy4^* 0.0 \quad 0.5 \quad 0.0 \quad 0.0$
relative CIELAB lab*
 $lab^*lab \quad 1.0 \quad 0.5 \quad 0.0$
 $lab^*tch \quad 1.0 \quad 0.0 \quad -$
 $lab^*nch \quad 0.0 \quad 0.0 \quad -$
relative Natural Colour (NC)
 $lab^*lrij \quad 1.0 \quad 0.0 \quad 0.0$
 $lab^*ice \quad 1.0 \quad 0.0 \quad -$
 $lab^*nCE \quad 0.0 \quad 0.0 \quad -$

relative Inform. Technology (IT)

 $olvi3^* 0.5 \quad 0.0 \quad 0.5 \quad (1.0)$
 $cmy3^* 0.5 \quad 1.0 \quad 0.5 \quad (0.0)$
 $olvi4^* 1.0 \quad 0.5 \quad 1.0 \quad 0.5$
 $cmy4^* 0.0 \quad 0.5 \quad 0.0 \quad 0.5$
relative CIELAB lab*
 $lab^*lab \quad 0.5 \quad 0.0 \quad 0.0$
 $lab^*tch \quad 0.5 \quad 1.0 \quad 0.982$
 $lab^*nch \quad 0.0 \quad 1.0 \quad 0.982$
relative Natural Colour (NC)
 $lab^*lrij \quad 0.5 \quad 0.0 \quad 0.0$
 $lab^*ice \quad 0.5 \quad 1.0 \quad 0.932$
 $lab^*nCE \quad 0.0 \quad 1.0 \quad b72r$

relative Inform. Technology (IT)

 $olvi3^* 0.0 \quad 0.0 \quad 0.0 \quad (1.0)$
 $cmy3^* 1.0 \quad 1.0 \quad 1.0 \quad (0.0)$
 $olvi4^* 1.0 \quad 1.0 \quad 1.0 \quad 0.0$
 $cmy4^* 0.0 \quad 0.0 \quad 0.0 \quad 1.0$
relative CIELAB lab*
 $lab^*lab \quad 0.195 \quad 0.497 \quad -0.054$
 $lab^*tch \quad 0.25 \quad 0.5 \quad 0.982$
 $lab^*nch \quad 0.5 \quad 0.5 \quad 0.982$
relative Natural Colour (NC)
 $lab^*lrij \quad 0.195 \quad 0.454 \quad -0.208$
 $lab^*ice \quad 0.25 \quad 0.5 \quad 0.932$
 $lab^*nCE \quad 0.5 \quad 0.5 \quad b72r$
 $n^* = 0,00$ blackness n^* chromaticness c^* $n^* = 0,50$ $n^* = 1,00$ $n^* = 1,0$ **Output: Colorimetric Reflective System MRS18**for hue $h^* = lab^*h = 322/360 = 0.895$ lab^*tch and lab^*nch **D65: hue B50R****LCH*Ma: 35 72 322****olv*Ma: 1.0 0.0 1.0**triangle lightness t^* **relative Inform. Technology (IT)**
 $olvi3^* 1.0 \quad 1.0 \quad 1.0 \quad (1.0)$
 $cmy3^* 0.0 \quad 0.0 \quad 0.0 \quad (0.0)$
 $olvi4^* 1.0 \quad 1.0 \quad 1.0 \quad 1.0$
 $cmy4^* 0.0 \quad 0.0 \quad 0.0 \quad 0.0$
standard and adapted CIELAB
 $LAB^*LAB \quad 95.41 \quad -0.97 \quad 4.75$
 $LAB^*LABa \quad 95.41 \quad 0.0 \quad 0.0$
 $LAB^*TChA \quad 99.99 \quad 0.01 \quad -$
relative CIELAB lab*
 $lab^*lab \quad 1.0 \quad 0.0 \quad 0.0$
 $lab^*tch \quad 1.0 \quad 0.0 \quad -$
 $lab^*nch \quad 0.0 \quad 0.0 \quad -$
relative Natural Colour (NC)
 $lab^*lrij \quad 1.0 \quad 0.0 \quad 0.0$
 $lab^*ice \quad 1.0 \quad 0.0 \quad -$
 $lab^*nCE \quad 0.0 \quad 0.0 \quad -$
relative Inform. Technology (IT)
 $olvi3^* 0.5 \quad 0.5 \quad 0.5 \quad (1.0)$
 $cmy3^* 0.5 \quad 0.5 \quad 0.5 \quad (0.0)$
 $olvi4^* 1.0 \quad 1.0 \quad 1.0 \quad 0.5$
 $cmy4^* 0.0 \quad 0.0 \quad 0.0 \quad 0.5$
standard and adapted CIELAB
 $LAB^*LAB \quad 65.17 \quad 28.18 \quad -19.4$
 $LAB^*LABa \quad 65.17 \quad 28.58 \quad -22.12$
 $LAB^*TChA \quad 75.0 \quad 36.15 \quad 322.25$
relative CIELAB lab*
 $lab^*lab \quad 0.609 \quad 0.395 \quad -0.305$
 $lab^*tch \quad 0.75 \quad 0.5 \quad 0.895$
 $lab^*nch \quad 0.0 \quad 0.5 \quad 0.895$
relative Natural Colour (NC)
 $lab^*lrij \quad 0.609 \quad 0.324 \quad -0.38$
 $lab^*ice \quad 0.75 \quad 0.5 \quad 0.862$
 $lab^*nCE \quad 0.0 \quad 0.5 \quad b44r$
relative Inform. Technology (IT)
 $olvi3^* 0.0 \quad 0.0 \quad 0.5 \quad (1.0)$
 $cmy3^* 0.5 \quad 1.0 \quad 0.5 \quad (0.0)$
 $olvi4^* 1.0 \quad 1.0 \quad 1.0 \quad 0.5$
 $cmy4^* 0.0 \quad 0.5 \quad 0.0 \quad 0.5$
standard and adapted CIELAB
 $LAB^*LAB \quad 26.48 \quad 28.92 \quad -22.01$
 $LAB^*LABa \quad 26.48 \quad 28.58 \quad -22.12$
 $LAB^*TChA \quad 25.01 \quad 36.15 \quad 322.25$
relative CIELAB lab*
 $lab^*lab \quad 0.109 \quad 0.395 \quad -0.305$
 $lab^*tch \quad 0.25 \quad 0.5 \quad 0.895$
 $lab^*nch \quad 0.5 \quad 0.5 \quad 0.895$
relative Natural Colour (NC)
 $lab^*lrij \quad 0.109 \quad 0.324 \quad -0.38$
 $lab^*ice \quad 0.25 \quad 0.5 \quad 0.862$
 $lab^*nCE \quad 0.5 \quad 0.5 \quad b44r$
 $n^* = 0,00$ blackness n^* chromaticness c^* $n^* = 0,50$ $n^* = 1,00$ $n^* = 1,0$

Input: Colorimetric Reflective System ORS18

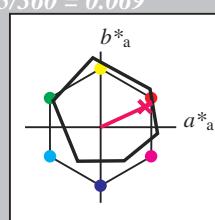
for hue $h^* = lab^*h = 25/360 = 0.069$
 lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



relative Inform. Technology (IT)
 $olv^3* 1.0 \quad 1.0 \quad 1.0 \quad (1.0)$
 $cmy^3* 0.0 \quad 0.0 \quad 0.0 \quad (0.0)$
 $olv^4* 1.0 \quad 1.0 \quad 1.0 \quad 1.0$
 $cmy^4* 0.0 \quad 0.0 \quad 0.0 \quad 0.0$

standard and adapted CIELAB
 $LAB^*LAB \quad 95.41 \quad -0.97 \quad 4.75$
 $LAB^*LABa \quad 95.41 \quad 0.0 \quad 0.0$
 $LAB^*TCh \quad 99.99 \quad 0.01 \quad -$

relative CIELAB lab*
 $lab^*lab \quad 1.0 \quad 0.0 \quad 0.0$
 $lab^*tch \quad 1.0 \quad 0.0 \quad -$
 $lab^*nch \quad 0.0 \quad 0.0 \quad -$

relative Natural Colour (NC)
 $lab^*lrj \quad 1.0 \quad 0.0 \quad 0.0$
 $lab^*ice \quad 1.0 \quad 0.0 \quad -$
 $lab^*nCE \quad 0.0 \quad 0.0 \quad -$

relative Inform. Technology (IT)
 $olv^3* 0.5 \quad 0.5 \quad 0.5 \quad (1.0)$
 $cmy^3* 0.5 \quad 0.5 \quad 0.5 \quad (0.0)$
 $olv^4* 1.0 \quad 1.0 \quad 1.0 \quad 0.5$
 $cmy^4* 0.0 \quad 0.0 \quad 0.0 \quad 0.5$

standard and adapted CIELAB
 $LAB^*LAB \quad 56.71 \quad -0.23 \quad 2.14$
 $LAB^*LABa \quad 56.71 \quad 0.0 \quad 0.0$
 $LAB^*TCh \quad 50.0 \quad 0.01 \quad -$

relative CIELAB lab*
 $lab^*lab \quad 0.5 \quad 0.0 \quad 0.0$
 $lab^*tch \quad 0.5 \quad 0.0 \quad -$
 $lab^*nch \quad 0.5 \quad 0.0 \quad -$

relative Natural Colour (NC)
 $lab^*lrj \quad 0.5 \quad 0.0 \quad 0.0$
 $lab^*ice \quad 0.5 \quad 0.0 \quad -$
 $lab^*nCE \quad 0.5 \quad 0.0 \quad -$

relative Inform. Technology (IT)
 $olv^3* 0.0 \quad 0.0 \quad 0.0 \quad (1.0)$
 $cmy^3* 1.0 \quad 1.0 \quad 1.0 \quad (0.0)$
 $olv^4* 1.0 \quad 1.0 \quad 1.0 \quad 0.0$
 $cmy^4* 0.0 \quad 0.0 \quad 0.0 \quad 1.0$

standard and adapted CIELAB
 $LAB^*LAB \quad 18.02 \quad 0.5 \quad -0.46$
 $LAB^*LABa \quad 18.02 \quad 0.0 \quad 0.0$
 $LAB^*TCh \quad 0.01 \quad 0.01 \quad -$

relative CIELAB lab*
 $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$
 $lab^*tch \quad 0.0 \quad 0.0 \quad -$
 $lab^*nch \quad 1.0 \quad 0.0 \quad -$

relative Natural Colour (NC)
 $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$
 $lab^*ice \quad 0.0 \quad 0.0 \quad -$
 $lab^*nCE \quad 1.0 \quad 0.0 \quad -$

$n^* = 1.0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 93$

%Regularity

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

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

relative Inform. Technology (IT)

$olv^3* 1.0 \quad 0.5 \quad 0.661 \quad (1.0)$

$cmy^3* 0.0 \quad 0.5 \quad 0.339 \quad (0.0)$

$olv^4* 1.0 \quad 0.5 \quad 0.661 \quad 1.0$

$cmy^4* 0.0 \quad 0.5 \quad 0.339 \quad 0.0$

standard and adapted CIELAB

$LAB^*LAB \quad 95.41 \quad -0.97 \quad 4.75$

$LAB^*LABa \quad 95.41 \quad 0.0 \quad 0.0$

$LAB^*TCh \quad 99.99 \quad 0.01 \quad -$

relative CIELAB lab*

$lab^*lab \quad 1.0 \quad 0.0 \quad 0.0$

$lab^*tch \quad 1.0 \quad 0.0 \quad -$

$lab^*nch \quad 0.0 \quad 0.0 \quad -$

relative Natural Colour (NC)

$lab^*lrj \quad 1.0 \quad 0.0 \quad 0.0$

$lab^*ice \quad 1.0 \quad 0.0 \quad -$

$lab^*nCE \quad 0.0 \quad 0.0 \quad -$

relative Inform. Technology (IT)

$olv^3* 0.5 \quad 0.5 \quad 0.5 \quad (1.0)$

$cmy^3* 0.5 \quad 0.5 \quad 0.5 \quad (0.0)$

$olv^4* 1.0 \quad 1.0 \quad 1.0 \quad 0.5$

$cmy^4* 0.0 \quad 0.0 \quad 0.0 \quad 0.5$

standard and adapted CIELAB

$LAB^*LAB \quad 56.71 \quad -0.23 \quad 2.14$

$LAB^*LABa \quad 56.71 \quad 0.0 \quad 0.0$

$LAB^*TCh \quad 50.0 \quad 0.01 \quad -$

relative CIELAB lab*

$lab^*lab \quad 0.5 \quad 0.0 \quad 0.0$

$lab^*tch \quad 0.5 \quad 0.0 \quad -$

$lab^*nch \quad 0.0 \quad 1.0 \quad 0.069$

relative Natural Colour (NC)

$lab^*lrj \quad 0.5 \quad 0.0 \quad 0.0$

$lab^*ice \quad 0.5 \quad 0.0 \quad -$

$lab^*nCE \quad 0.5 \quad 0.0 \quad -$

relative Inform. Technology (IT)

$olv^3* 0.0 \quad 0.0 \quad 0.0 \quad (1.0)$

$cmy^3* 1.0 \quad 1.0 \quad 1.0 \quad (0.0)$

$olv^4* 1.0 \quad 1.0 \quad 1.0 \quad 0.0$

$cmy^4* 0.0 \quad 0.0 \quad 0.0 \quad 1.0$

standard and adapted CIELAB

$LAB^*LAB \quad 18.02 \quad 0.5 \quad -0.46$

$LAB^*LABa \quad 18.02 \quad 0.0 \quad 0.0$

$LAB^*TCh \quad 0.01 \quad 0.01 \quad -$

relative CIELAB lab*

$lab^*lab \quad 0.194 \quad 0.454 \quad 0.209$

$lab^*tch \quad 0.25 \quad 0.5 \quad 0.069$

$lab^*nch \quad 0.5 \quad 0.5 \quad 0.069$

relative Natural Colour (NC)

$lab^*lrj \quad 0.194 \quad 0.5 \quad 0.0$

$lab^*ice \quad 0.25 \quad 0.5 \quad 0.0$

$lab^*nCE \quad 0.5 \quad 0.5 \quad r00j$

$n^* = 0.00$

blackness n^*

$chromaticness c^*$

Output: Colorimetric Reflective System MRS18

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

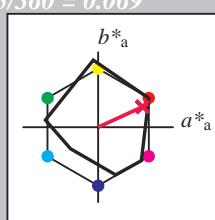
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

olv*Ma: 1.0 0.0 0.1

triangle lightness t^*



%Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)

$olv^3* 1.0 \quad 1.0 \quad 1.0 \quad (1.0)$

$cmy^3* 0.0 \quad 0.0 \quad 0.0 \quad (0.0)$

$olv^4* 1.0 \quad 1.0 \quad 1.0 \quad 1.0$

$cmy^4* 0.0 \quad 0.0 \quad 0.0 \quad 0.0$

standard and adapted CIELAB

$LAB^*LAB \quad 95.41 \quad -0.97 \quad 4.75$

$LAB^*LABa \quad 95.41 \quad 0.0 \quad 0.0$

$LAB^*TCh \quad 99.99 \quad 0.01 \quad -$

relative CIELAB lab*

$lab^*lab \quad 1.0 \quad 0.0 \quad 0.0$

$lab^*tch \quad 1.0 \quad 0.0 \quad -$

$lab^*nch \quad 0.0 \quad 0.0 \quad -$

relative Natural Colour (NC)

$lab^*lrj \quad 1.0 \quad 0.0 \quad 0.0$

$lab^*ice \quad 1.0 \quad 0.0 \quad -$

$lab^*nCE \quad 0.0 \quad 0.0 \quad -$

relative Inform. Technology (IT)

$olv^3* 0.5 \quad 0.5 \quad 0.5 \quad (1.0)$

$cmy^3* 0.0 \quad 1.0 \quad 1.0 \quad (0.0)$

$olv^4* 1.0 \quad 1.0 \quad 1.0 \quad 0.0$

$cmy^4* 0.0 \quad 0.0 \quad 0.0 \quad 1.0$

standard and adapted CIELAB

$LAB^*LAB \quad 71.8 \quad 32.47 \quad 18.34$

$LAB^*LABa \quad 71.8 \quad 33.0 \quad 15.17$

$LAB^*TCh \quad 75.0 \quad 36.32 \quad 24.7$

relative CIELAB lab*

$lab^*lab \quad 0.695 \quad 0.454 \quad 0.209$

$lab^*tch \quad 0.75 \quad 0.5 \quad 0.069$

$lab^*nch \quad 0.0 \quad 0.5 \quad 0.069$

relative Natural Colour (NC)

$lab^*lrj \quad 0.695 \quad 0.5 \quad 0.0$

$lab^*ice \quad 0.75 \quad 0.5 \quad 0.0$

$lab^*nCE \quad 0.5 \quad 0.5 \quad r00j$

$n^* = 1.0$

blackness n^*

$chromaticness c^*$

MRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)

$olv^3* 1.0 \quad 0.5 \quad 0.548 \quad (1.0)$

$cmy^3* 0.0 \quad 0.5 \quad 0.452 \quad (0.0)$

$olv^4* 1.0 \quad 0.5 \quad 0.549 \quad 1.0$

$cmy^4* 0.0 \quad 0.5 \quad 0.451 \quad 0.0$

standard and adapted CIELAB

$LAB^*LAB \quad 71.8 \quad 32.47 \quad 18.34$

$LAB^*LABa \quad 71.8 \quad 33.0 \quad 15.17$

$LAB^*TCh \quad 75.0 \quad 36.32 \quad 24.7$

relative CIELAB lab*

$lab^*lab \quad 0.695 \quad 0.454 \quad 0.209$

$lab^*tch \quad 0.75 \quad 0$

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

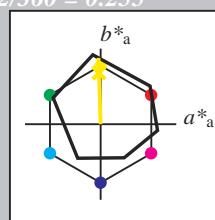
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



relative Inform. Technology (IT)
 olv_i3^* 1.0 1.0 1.0 (1.0)
 cmy_n3^* 0.0 0.0 0.0 (0.0)
 olv_i4^* 1.0 1.0 1.0 1.0
 cmy_n4^* 0.0 0.0 0.0 0.0

standard and adapted CIELAB
 LAB^*LAB 95.41 -0.97 4.75
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCh_a 99.99 0.01 -

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

relative Natural Colour (NC)
 lab^*lrij 1.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*nCE 0.0 0.0 -

relative Inform. Technology (IT)
 olv_i3^* 0.5 0.5 0.5 (1.0)
 cmy_n3^* 0.5 0.5 0.5 (0.0)
 olv_i4^* 1.0 1.0 1.0 0.5
 cmy_n4^* 0.0 0.0 0.0 0.5

standard and adapted CIELAB
 LAB^*LAB 56.71 -0.23 2.14
 LAB^*LABa 56.71 0.0 0.0
 LAB^*TCh_a 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.5 0.0 -

relative Natural Colour (NC)
 lab^*lrij 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nCE 0.5 0.0 -

relative Inform. Technology (IT)
 olv_i3^* 0.0 0.0 0.0 (1.0)
 cmy_n3^* 1.0 1.0 1.0 (0.0)
 olv_i4^* 1.0 1.0 1.0 0.0
 cmy_n4^* 0.0 0.0 0.0 1.0

standard and adapted CIELAB
 LAB^*LAB 18.02 0.5 -0.46
 LAB^*LABa 18.02 0.0 0.0
 LAB^*TCh_a 0.01 0.01 -

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

relative Natural Colour (NC)
 lab^*lrij 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nCE 1.0 0.0 -

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 93$

%Regularity

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

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

relative Inform. Technology (IT)

olv_i3^* 1.0 0.951 0.5 (1.0)

cmy_n3^* 0.0 0.049 0.5 (0.0)

olv_i4^* 1.0 0.951 0.5 1.0

cmy_n4^* 0.0 0.049 0.5 0.0

standard and adapted CIELAB

LAB^*LAB 95.41 -0.97 4.75

LAB^*LABa 95.41 0.0 0.0

LAB^*TCh_a 99.99 0.01 -

relative CIELAB lab*

lab^*lab 1.0 0.0 0.0

lab^*tch 1.0 0.0 -

lab^*nch 0.0 0.0 -

relative Natural Colour (NC)

lab^*lrij 1.0 0.0 0.0

lab^*tce 1.0 0.0 -

lab^*nCE 0.0 0.0 -

relative Inform. Technology (IT)

olv_i3^* 0.5 0.451 0.0 (1.0)

cmy_n3^* 0.5 0.549 1.0 (0.0)

olv_i4^* 1.0 0.951 0.5 0.5

cmy_n4^* 0.0 0.049 0.5 0.5

standard and adapted CIELAB

LAB^*LAB 86.19 -3.62 91.83

LAB^*LABa 86.19 -2.82 87.69

LAB^*TCh_a 50.0 0.01 -

relative CIELAB lab*

lab^*lab 0.881 -0.031 0.999

lab^*tch 0.5 1.0 0.255

lab^*nch 0.0 1.0 0.255

relative Natural Colour (NC)

lab^*lrij 0.881 0.0 1.0

lab^*tce 0.5 1.0 0.25

lab^*nCE 0.0 1.0 j00g

$n^* = 0,00$

$n^* = 0,50$

$n^* = 1,00$

chromaticness c^*

blackness n^*

chromaticness c^*

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

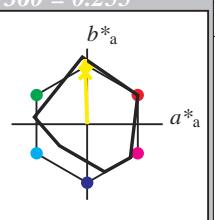
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

olv*Ma: 1.0 0.95 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)

olv_i3^* 1.0 0.976 0.5 (1.0)

cmy_n3^* 0.0 0.024 0.5 (0.0)

olv_i4^* 1.0 0.976 0.5 1.0

cmy_n4^* 0.0 0.024 0.5 0.0

standard and adapted CIELAB

LAB^*LAB 92.04 -0.97 4.75

LAB^*LABa 92.04 0.0 0.0

LAB^*TCh_a 75.0 43.16 91.85

relative CIELAB lab*

lab^*lab 0.957 -0.015 0.5

lab^*tch 0.75 0.5 0.255

lab^*nch 0.0 0.5 0.255

relative Natural Colour (NC)

lab^*lrij 0.957 0.0 0.5

lab^*tce 0.75 0.5 0.25

lab^*nCE 0.0 0.5 j00g

relative Inform. Technology (IT)

olv_i3^* 0.5 0.951 0.0 (1.0)

cmy_n3^* 0.0 0.049 1.0 (0.0)

olv_i4^* 1.0 0.951 0.0 1.0

cmy_n4^* 0.0 0.049 1.0 0.0

standard and adapted CIELAB

LAB^*LAB 88.68 -3.62 90.58

LAB^*LABa 88.68 -2.77 86.27

LAB^*TCh_a 50.0 86.32 91.85

relative CIELAB lab*

lab^*lab 0.913 -0.031 0.999

lab^*tch 0.5 1.0 0.255

lab^*nch 0.0 1.0 0.255

relative Natural Colour (NC)

lab^*lrij 0.913 0.0 1.0

lab^*tce 0.5 1.0 0.25

lab^*nCE 0.0 1.0 j00g

$n^* = 0,00$

$n^* = 0,50$

$n^* = 1,00$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

relative Inform. Technology (IT)

olv_i3^* 1.0 0.976 0.5 (1.0)

cmy_n3^* 0.0 0.024 0.5 (0.0)

olv_i4^* 1.0 0.976 0.5 1.0

cmy_n4^* 0.0 0.024 0.5 0.0

standard and adapted CIELAB

LAB^*LAB 88.68 -3.62 90.58

LAB^*LABa 88.68 -2.77 86.27

LAB^*TCh_a 50.0 86.32 91.85

relative CIELAB lab*

lab^*lab 0.913 -0.031 0.999

lab^*tch 0.5 1.0 0.255

lab^*nch 0.0 1.0 0.255

relative Natural Colour (NC)

lab^*lrij 0.913 0.0 1.0

lab^*tce 0.5 1.0 0.25

lab^*nCE 0.0 1.0 j00g

$n^* = 0,00$

$n^* = 0,50$

$n^* = 1,00$

Input: Colorimetric Reflective System ORS18

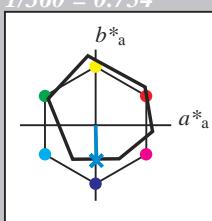
for hue $h^* = lab^*h = 271/360 = 0.754$
 lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



relative Inform. Technology (IT)
 olv_i3^* 1.0 1.0 1.0 (1.0)
 $cmy3^*$ 0.0 0.0 0.0 (0.0)
 olv_i4^* 1.0 1.0 1.0 1.0
 $cmy4^*$ 0.0 0.0 0.0 0.0

standard and adapted CIELAB
 LAB^*LAB 95.41 -0.97 4.75
 LAB^*LABa 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 -

lab^*nch 0.0 0.0 -

relative Natural Colour (NC)

lab^*lrij 1.0 0.0 0.0

lab^*tce 1.0 0.0 -

lab^*nCE 0.0 0.0 -

relative Inform. Technology (IT)
 olv_i3^* 0.5 0.5 0.5 (1.0)
 $cmy3^*$ 0.5 0.5 0.5 (0.0)
 olv_i4^* 1.0 1.0 1.0 0.5
 $cmy4^*$ 0.0 0.0 0.0 0.5

standard and adapted CIELAB
 LAB^*LAB 56.71 -0.23 2.14
 LAB^*LABa 56.71 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 -

lab^*nch 0.5 0.0 -

relative Natural Colour (NC)

lab^*lrij 0.5 0.0 0.0

lab^*tce 0.5 0.0 -

lab^*nCE 0.5 0.0 -

relative Inform. Technology (IT)
 olv_i3^* 0.0 0.0 0.0 (1.0)
 $cmy3^*$ 1.0 1.0 1.0 (0.0)
 olv_i4^* 1.0 1.0 1.0 0.0
 $cmy4^*$ 0.0 0.0 0.0 1.0

standard and adapted CIELAB
 LAB^*LAB 18.02 0.5 -0.46
 LAB^*LABa 18.02 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 -

lab^*nch 1.0 0.0 -

relative Natural Colour (NC)

lab^*lrij 0.0 0.0 0.0

lab^*tce 0.0 0.0 -

lab^*nCE 1.0 0.0 -

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 93$

%Regularity

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

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

relative Inform. Technology (IT)

olv_i3^* 1.0 1.0 1.0 (1.0)

$cmy3^*$ 0.0 0.0 0.0 (0.0)

olv_i4^* 1.0 1.0 1.0 1.0

$cmy4^*$ 0.0 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 95.41 -0.97 4.75

LAB^*LABa 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 -

lab^*nch 0.0 0.0 -

relative Natural Colour (NC)

lab^*lrij 1.0 0.0 0.0

lab^*tce 1.0 0.0 -

lab^*nCE 0.0 0.0 -

relative Inform. Technology (IT)

olv_i3^* 0.5 0.5 0.5 (1.0)

$cmy3^*$ 0.5 0.5 0.5 (0.0)

olv_i4^* 1.0 1.0 1.0 0.5

$cmy4^*$ 0.0 0.0 0.0 0.5

standard and adapted CIELAB

LAB^*LAB 68.59 0.08 -19.4

LAB^*LABa 68.59 0.54 -22.35

LAB^*TChA 75.0 22.36 271.4

relative CIELAB lab*

lab^*lab 0.654 0.012 -0.499

lab^*tch 0.75 0.5 0.754

lab^*nch 0.0 0.5 0.754

relative Natural Colour (NC)

lab^*lrij 0.654 0.0 -0.499

lab^*tce 0.75 0.5 0.75

lab^*nCE 0.0 0.5 g99b

$n^* = 0,00$

blackness n^*

$n^* = 0,50$

$n^* = 1,00$

ORS18; adapted (a) CIELAB data

	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

relative Inform. Technology (IT)

olv_i3^* 1.0 1.0 1.0 (1.0)

$cmy3^*$ 0.0 0.0 0.0 (0.0)

olv_i4^* 1.0 1.0 1.0 1.0

$cmy4^*$ 0.0 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 95.41 -0.97 4.75

LAB^*LABa 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 -

lab^*nch 0.0 0.0 -

relative Natural Colour (NC)

lab^*lrij 1.0 0.0 0.0

lab^*tce 1.0 0.0 -

lab^*nCE 0.0 0.0 -

relative Inform. Technology (IT)

olv_i3^* 0.5 0.5 0.5 (1.0)

$cmy3^*$ 0.5 0.5 0.5 (0.0)

olv_i4^* 1.0 1.0 1.0 0.5

$cmy4^*$ 0.0 0.0 0.0 0.5

standard and adapted CIELAB

LAB^*LAB 56.71 -0.23 2.14

LAB^*LABa 56.71 0.0 0.0

LAB^*TChA 50.0 0.01 -

relative CIELAB lab*

lab^*lab 0.654 0.012 -0.499

lab^*tch 0.75 0.5 0.754

lab^*nch 0.0 0.5 0.754

relative Natural Colour (NC)

lab^*lrij 0.654 0.0 -0.499

lab^*tce 0.75 0.5 0.75

lab^*nCE 0.0 0.5 g99b

$n^* = 0,00$

blackness n^*

$n^* = 0,50$

$n^* = 1,00$

Output: Colorimetric Reflective System MRS18

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

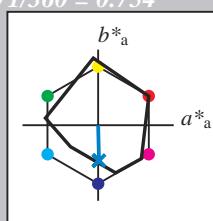
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 50 271

olv*Ma: 0.0 0.37 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)

olv_i3^* 1.0 1.0 1.0 (1.0)

$cmy3^*$ 0.0 0.0 0.0 (0.0)

olv_i4^* 1.0 1.0 1.0 1.0

$cmy4^*$ 0.0 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 95.41 -0.97 4.75

LAB^*LABa 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 -

lab^*nch 0.0 0.0 -

relative Natural Colour (NC)

lab^*lrij 1.0 0.0 0.0

lab^*tce 1.0 0.0 -

lab^*nCE 0.0 0.0 -

relative Inform. Technology (IT)

olv_i3^* 0.5 0.5 0.5 (1.0)

$cmy3^*$ 0.5 0.5 0.5 (0.0)

olv_i4^* 1.0 1.0 1.0 0.5

$cmy4^*$ 0.0 0.0 0.0 0.5

standard and adapted CIELAB

LAB^*LAB 56.71 -0.23 2.14

LAB^*LABa 56.71 0.0 0.0

LAB^*TChA 50.0 0.01 -

relative CIELAB lab*

lab^*lab 0.654 0.012 -0.499

lab^*tch 0.75 0.5 0.754

lab^*nch 0.0 0.5 0.754