

[illegible]

Input: Colorimetric Reflective System ORS18

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

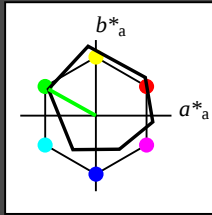
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
QMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.59	-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

%Regularity

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

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

relative Inform. Technology (IT)	
olvi3*	1.0 1.0 1.0 (1.0)
olvi4*	0.0 0.0 0.0 (0.0)
olvi5*	1.0 1.0 1.0 (1.0)
olvi6*	0.0 0.0 0.0 (0.0)
olvi7*	0.0 0.0 0.0 (0.0)
olvi8*	0.0 0.0 0.0 (0.0)
olvi9*	0.0 0.0 0.0 (0.0)
olvi10*	0.0 0.0 0.0 (0.0)
olvi11*	0.0 0.0 0.0 (0.0)
olvi12*	0.0 0.0 0.0 (0.0)
olvi13*	0.0 0.0 0.0 (0.0)
olvi14*	0.0 0.0 0.0 (0.0)
olvi15*	0.0 0.0 0.0 (0.0)
olvi16*	0.0 0.0 0.0 (0.0)
olvi17*	0.0 0.0 0.0 (0.0)
olvi18*	0.0 0.0 0.0 (0.0)
olvi19*	0.0 0.0 0.0 (0.0)
olvi20*	0.0 0.0 0.0 (0.0)
olvi21*	0.0 0.0 0.0 (0.0)
olvi22*	0.0 0.0 0.0 (0.0)
olvi23*	0.0 0.0 0.0 (0.0)
olvi24*	0.0 0.0 0.0 (0.0)
olvi25*	0.0 0.0 0.0 (0.0)
olvi26*	0.0 0.0 0.0 (0.0)
olvi27*	0.0 0.0 0.0 (0.0)
olvi28*	0.0 0.0 0.0 (0.0)
olvi29*	0.0 0.0 0.0 (0.0)
olvi30*	0.0 0.0 0.0 (0.0)
olvi31*	0.0 0.0 0.0 (0.0)
olvi32*	0.0 0.0 0.0 (0.0)
olvi33*	0.0 0.0 0.0 (0.0)
olvi34*	0.0 0.0 0.0 (0.0)
olvi35*	0.0 0.0 0.0 (0.0)
olvi36*	0.0 0.0 0.0 (0.0)
olvi37*	0.0 0.0 0.0 (0.0)
olvi38*	0.0 0.0 0.0 (0.0)
olvi39*	0.0 0.0 0.0 (0.0)
olvi40*	0.0 0.0 0.0 (0.0)
olvi41*	0.0 0.0 0.0 (0.0)
olvi42*	0.0 0.0 0.0 (0.0)
olvi43*	0.0 0.0 0.0 (0.0)
olvi44*	0.0 0.0 0.0 (0.0)
olvi45*	0.0 0.0 0.0 (0.0)
olvi46*	0.0 0.0 0.0 (0.0)
olvi47*	0.0 0.0 0.0 (0.0)
olvi48*	0.0 0.0 0.0 (0.0)
olvi49*	0.0 0.0 0.0 (0.0)
olvi50*	0.0 0.0 0.0 (0.0)
olvi51*	0.0 0.0 0.0 (0.0)
olvi52*	0.0 0.0 0.0 (0.0)
olvi53*	0.0 0.0 0.0 (0.0)
olvi54*	0.0 0.0 0.0 (0.0)
olvi55*	0.0 0.0 0.0 (0.0)
olvi56*	0.0 0.0 0.0 (0.0)
olvi57*	0.0 0.0 0.0 (0.0)
olvi58*	0.0 0.0 0.0 (0.0)
olvi59*	0.0 0.0 0.0 (0.0)
olvi60*	0.0 0.0 0.0 (0.0)
olvi61*	0.0 0.0 0.0 (0.0)
olvi62*	0.0 0.0 0.0 (0.0)
olvi63*	0.0 0.0 0.0 (0.0)
olvi64*	0.0 0.0 0.0 (0.0)
olvi65*	0.0 0.0 0.0 (0.0)
olvi66*	0.0 0.0 0.0 (0.0)
olvi67*	0.0 0.0 0.0 (0.0)
olvi68*	0.0 0.0 0.0 (0.0)
olvi69*	0.0 0.0 0.0 (0.0)
olvi70*	0.0 0.0 0.0 (0.0)
olvi71*	0.0 0.0 0.0 (0.0)
olvi72*	0.0 0.0 0.0 (0.0)
olvi73*	0.0 0.0 0.0 (0.0)
olvi74*	0.0 0.0 0.0 (0.0)
olvi75*	0.0 0.0 0.0 (0.0)
olvi76*	0.0 0.0 0.0 (0.0)
olvi77*	0.0 0.0 0.0 (0.0)
olvi78*	0.0 0.0 0.0 (0.0)
olvi79*	0.0 0.0 0.0 (0.0)
olvi80*	0.0 0.0 0.0 (0.0)
olvi81*	0.0 0.0 0.0 (0.0)
olvi82*	0.0 0.0 0.0 (0.0)
olvi83*	0.0 0.0 0.0 (0.0)
olvi84*	0.0 0.0 0.0 (0.0)
olvi85*	0.0 0.0 0.0 (0.0)
olvi86*	0.0 0.0 0.0 (0.0)
olvi87*	0.0 0.0 0.0 (0.0)
olvi88*	0.0 0.0 0.0 (0.0)
olvi89*	0.0 0.0 0.0 (0.0)
olvi90*	0.0 0.0 0.0 (0.0)
olvi91*	0.0 0.0 0.0 (0.0)
olvi92*	0.0 0.0 0.0 (0.0)
olvi93*	0.0 0.0 0.0 (0.0)
olvi94*	0.0 0.0 0.0 (0.0)
olvi95*	0.0 0.0 0.0 (0.0)
olvi96*	0.0 0.0 0.0 (0.0)
olvi97*	0.0 0.0 0.0 (0.0)
olvi98*	0.0 0.0 0.0 (0.0)
olvi99*	0.0 0.0 0.0 (0.0)
olvi100*	0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)	
olvi3*	0.75 1.0 0.75 (1.0)
olvi4*	0.25 0.0 0.25 (0.0)
olvi5*	0.75 1.0 0.75 (1.0)
olvi6*	0.25 0.0 0.25 (0.0)
olvi7*	0.75 1.0 0.75 (1.0)
olvi8*	0.25 0.0 0.25 (0.0)
olvi9*	0.75 1.0 0.75 (1.0)
olvi10*	0.25 0.0 0.25 (0.0)
olvi11*	0.75 1.0 0.75 (1.0)
olvi12*	0.25 0.0 0.25 (0.0)
olvi13*	0.75 1.0 0.75 (1.0)
olvi14*	0.25 0.0 0.25 (0.0)
olvi15*	0.75 1.0 0.75 (1.0)
olvi16*	0.25 0.0 0.25 (0.0)
olvi17*	0.75 1.0 0.75 (1.0)
olvi18*	0.25 0.0 0.25 (0.0)
olvi19*	0.75 1.0 0.75 (1.0)
olvi20*	0.25 0.0 0.25 (0.0)
olvi21*	0.75 1.0 0.75 (1.0)
olvi22*	0.25 0.0 0.25 (0.0)
olvi23*	0.75 1.0 0.75 (1.0)
olvi24*	0.25 0.0 0.25 (0.0)
olvi25*	0.75 1.0 0.75 (1.0)
olvi26*	0.25 0.0 0.25 (0.0)
olvi27*	0.75 1.0 0.75 (1.0)
olvi28*	0.25 0.0 0.25 (0.0)
olvi29*	0.75 1.0 0.75 (1.0)
olvi30*	0.25 0.0 0.25 (0.0)
olvi31*	0.75 1.0 0.75 (1.0)
olvi32*	0.25 0.0 0.25 (0.0)
olvi33*	0.75 1.0 0.75 (1.0)
olvi34*	0.25 0.0 0.25 (0.0)
olvi35*	0.75 1.0 0.75 (1.0)
olvi36*	0.25 0.0 0.25 (0.0)
olvi37*	0.75 1.0 0.75 (1.0)
olvi38*	0.25 0.0 0.25 (0.0)
olvi39*	0.75 1.0 0.75 (1.0)
olvi40*	0.25 0.0 0.25 (0.0)
olvi41*	0.75 1.0 0.75 (1.0)
olvi42*	0.25 0.0 0.25 (0.0)
olvi43*	0.75 1.0 0.75 (1.0)
olvi44*	0.25 0.0 0.25 (0.0)
olvi45*	0.75 1.0 0.75 (1.0)
olvi46*	0.25 0.0 0.25 (0.0)
olvi47*	0.75 1.0 0.75 (1.0)
olvi48*	0.25 0.0 0.25 (0.0)
olvi49*	0.75 1.0 0.75 (1.0)
olvi50*	0.25 0.0 0.25 (0.0)
olvi51*	0.75 1.0 0.75 (1.0)
olvi52*	0.25 0.0 0.25 (0.0)
olvi53*	0.75 1.0 0.75 (1.0)
olvi54*	0.25 0.0 0.25 (0.0)
olvi55*	0.75 1.0 0.75 (1.0)
olvi56*	0.25 0.0 0.25 (0.0)
olvi57*	0.75 1.0 0.75 (1.0)
olvi58*	0.25 0.0 0.25 (0.0)
olvi59*	0.75 1.0 0.75 (1.0)
olvi60*	0.25 0.0 0.25 (0.0)
olvi61*	0.75 1.0 0.75 (1.0)
olvi62*	0.25 0.0 0.25 (0.0)
olvi63*	0.75 1.0 0.75 (1.0)
olvi64*	0.25 0.0 0.25 (0.0)
olvi65*	0.75 1.0 0.75 (1.0)
olvi66*	0.25 0.0 0.25 (0.0)
olvi67*	0.75 1.0 0.75 (1.0)
olvi68*	0.25 0.0 0.25 (0.0)
olvi69*	0.75 1.0 0.75 (1.0)
olvi70*	0.25 0.0 0.25 (0.0)
olvi71*	0.75 1.0 0.75 (1.0)
olvi72*	0.25 0.0 0.25 (0.0)
olvi73*	0.75 1.0 0.75 (1.0)
olvi74*	0.25 0.0 0.25 (0.0)
olvi75*	0.75 1.0 0.75 (1.0)
olvi76*	0.25 0.0 0.25 (0.0)
olvi77*	0.75 1.0 0.75 (1.0)
olvi78*	0.25 0.0 0.25 (0.0)
olvi79*	0.75 1.0 0.75 (1.0)
olvi80*	0.25 0.0 0.25 (0.0)
olvi81*	0.75 1.0 0.75 (1.0)
olvi82*	0.25 0.0 0.25 (0.0)
olvi83*	0.75 1.0 0.75 (1.0)
olvi84*	0.25 0.0 0.25 (0.0)
olvi85*	0.75 1.0 0.75 (1.0)
olvi86*	0.25 0.0 0.25 (0.0)
olvi87*	0.75 1.0 0.75 (1.0)
olvi88*	0.25 0.0 0.25 (0.0)
olvi89*	0.75 1.0 0.75 (1.0)
olvi90*	0.25 0.0 0.25 (0.0)
olvi91*	0.75 1.0 0.75 (1.0)
olvi92*	0.25 0.0 0.25 (0.0)
olvi93*	0.75 1.0 0.75 (1.0)
olvi94*	0.25 0.0 0.25 (0.0)
olvi95*	0.75 1.0 0.75 (1.0)
olvi96*	0.25 0.0 0.25 (0.0)
olvi97*	0.75 1.0 0.75 (1.0)
olvi98*	0.25 0.0 0.25 (0.0)
olvi99*	0.75 1.0 0.75 (1.0)
olvi100*	0.25 0.0 0.25 (0.0)

relative Inform. Technology (IT)	
olvi3*	0.75 1.0 0.75 (1.0)
olvi4*	0.25 0.0 0.25 (0.0)
olvi5*	0.75 1.0 0.75 (1.0)
olvi6*	0.25 0.0 0.25 (0.0)
olvi7*	0.75 1.0 0.75 (1.0)
olvi8*	0.25 0.0 0.25 (0.0)
olvi9*	0.75 1.0 0.75 (1.0)
olvi10*	0.25 0.0 0.25 (0.0)
olvi11*	0.75 1.0 0.75 (1.0)
olvi12*	0.25 0.0 0.25 (0.0)
olvi13*	0.75 1.0 0.75 (1.0)
olvi14*	0.25 0.0 0.25 (0.0)
olvi15*	0.75 1.0 0.75 (1.0)
olvi16*	0.25 0.0 0.25 (0.0)
olvi17*	0.75 1.0 0.75 (1.0)
olvi18*	0.25 0.0 0.25 (0.0)
olvi19*	0.75 1.0 0.75 (1.0)
olvi20*	0.25 0.0 0.25 (0.0)
olvi21*	0.75 1.0 0.75 (1.0)
olvi22*	0.25 0.0 0.25 (0.0)
olvi23*	0.75 1.0 0.75 (1.0)
olvi24*	0.25 0.0 0.25 (0.0)
olvi25*	0.75 1.0 0.75 (1.0)
olvi26*	0.25 0.0 0.25 (0.0)
olvi27*	0.75 1.0 0.75 (1.0)
olvi28*	0.25 0.0 0.25 (0.0)
olvi29*	0.75 1.0 0.75 (1.0)
olvi30*	0.25 0.0 0.25 (0.0)
olvi31*	0.75 1.0 0.75 (1.0)
olvi32*	0.25 0.0 0.25 (0.0)
olvi33*	0.75 1.0 0.75 (1.0)
olvi34*	0.25 0.0 0.25 (0.0)
olvi35*	0.75 1.0 0.75 (1.0)
olvi36*	0.25 0.0 0.25 (0.0)
olvi37*	0.75 1.0 0.75 (1.0)
olvi38*	0.25 0.0 0.25 (0.0)
olvi39*	0.75 1.0 0.75 (1.0)
olvi40*	0.25 0.0 0.25 (0.0)
olvi41*	0.75 1.0 0.75 (1.0)
olvi42*	0.25 0.0 0.25 (0.0)
olvi43*	0.75 1.0 0.75 (1.0)
olvi44*	0.25 0.0 0.25 (0.0)
olvi45*	0.75 1.0 0.75 (1.0)
olvi46*	0.25 0.0 0.25 (0.0)
olvi47*	0.75 1.0 0.75 (1.0)
olvi48*	0.25 0.0 0.25 (0.0)
olvi49*	0.75 1.0 0.75 (1.0)
olvi50*	0.25 0.0 0.25 (0.0)
olvi51*	0.75 1.0 0.75 (1.0)
olvi52*	0.25 0.0 0.25 (0.0)
olvi53*	0.75 1.0 0.75 (1.0)
olvi54*	0.25 0.0 0.25 (0.0)
olvi55*	0.75 1.0 0.75 (1.0)
olvi56*	0.25 0.0 0.25 (0.0)
olvi57*	0.75 1.0 0.75 (1.0)
olvi58*	0.25 0.0 0.25 (0.0)
olvi59*	0.75 1.0 0.75 (1.0)
olvi60*	0.25 0.0 0.25 (0.0)
olvi61*	0.75 1.0 0.75 (1.0)
olvi62*	0.25 0.0 0.25 (0.0)
olvi63*	0.75 1.0 0.75 (1.0)
olvi64*	0.25 0.0 0.25 (0.0)
olvi65*	0.75 1.0 0.75 (1.0)
olvi66*	0.25 0.0 0.25 (0.0)
olvi67*	0.75 1.0 0.75 (1.0)
olvi68*	0.25 0.0 0.25 (0.0)
olvi69*	0.75 1.0 0.75 (1.0)
olvi70*	0.25 0.0 0.25 (0.0)
olvi71*	0.75 1.0 0.75 (1.0)
olvi72*	0.25 0.0 0.25 (0.0)
olvi73*	0.75 1.0 0.75 (1.0)
olvi74*	0.25 0.0 0.25 (0.0)
olvi75*	0.75 1.0 0.75 (1.0)
olvi76*	0.25 0.0 0.25 (0.0)
olvi77*	0.75 1.0 0.75 (1.0)
olvi78*	0.25 0.0 0.25 (0.0)
olvi79*	0.75 1.0 0.75 (1.0)
olvi80*	0.25 0.0 0.25 (0.0)
olvi81*	0.75 1.0 0.75 (1.0)
olvi82*	0.25 0.0 0.25 (0.0)
olvi83*	0.75 1.0 0.75 (1.0)
olvi84*	0.25 0.0 0.25 (0.0)
olvi85*	0.75 1.0 0.75 (1.0)
olvi86*	0.25 0.0 0.25 (0.0)
olvi87*	0.75 1.0 0.75 (1.0)
olvi88*	0.25 0.0 0.25 (0.0)
olvi89*	0.75 1.0 0.75 (1.0)
olvi90*	0.25 0.0 0.25 (0.0)
olvi91*	0.75 1.0 0.75 (1.0)
olvi92*	

www.ps.bam.de/UE52/10S/S52E03FP.PS/.PDF; linearized output
 F: Output Linearization (OL) data UE52/10S/S52E03FP.DAT in File (F)

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

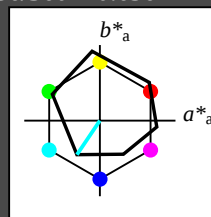
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

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
 $LAB^*LAB = 95.41 \ -0.97 \ 47.5$
 $LAB^*LAb = 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha = 99.99 \ 0.01 \ 0.0$

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)
 $lab^*trj = 1.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ 0.0$
 $lab^*nce = 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* = 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 76.06 \ -0.6 \ 3.44$
 $LAB^*LAb = 76.06 \ 0.0 \ 0.0$
 $LAB^*TCha = 75.0 \ 0.01 \ 0.0$

relative CIELAB lab*
 $lab^*lab = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*tch = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*nch = 0.25 \ 0.25 \ 0.25 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*tce = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*nce = 0.25 \ 0.25 \ 0.25 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 56.71 \ -0.23 \ 2.14$
 $LAB^*LAb = 56.71 \ 0.0 \ 0.0$
 $LAB^*TCha = 50.0 \ 0.01 \ 0.0$

relative CIELAB lab*
 $lab^*lab = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tch = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*nch = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 relative Natural Colour (NC)
 $lab^*trj = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tce = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*nce = 0.5 \ 0.5 \ 0.5 \ (1.0)$

relative Inform. Technology (IT)
 $olvi3^* = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 37.36 \ -0.38 \ 0.63$
 $LAB^*LAb = 37.36 \ 0.0 \ 0.0$
 $LAB^*TCha = 25.0 \ 0.01 \ 0.0$

relative CIELAB lab*
 $lab^*lab = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tch = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*nch = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 relative Natural Colour (NC)
 $lab^*trj = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tce = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*nce = 0.75 \ 0.75 \ 0.75 \ (1.0)$

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02 \ 0.0 \ 0.46$
 $LAB^*LAb = 18.02 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ 0.0$

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

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02 \ 0.0 \ 0.46$
 $LAB^*LAb = 18.02 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ 0.0$

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

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02 \ 0.0 \ 0.46$
 $LAB^*LAb = 18.02 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ 0.0$

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

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02 \ 0.0 \ 0.46$
 $LAB^*LAb = 18.02 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ 0.0$

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

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02 \ 0.0 \ 0.46$
 $LAB^*LAb = 18.02 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ 0.0$

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

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02 \ 0.0 \ 0.46$
 $LAB^*LAb = 18.02 \ 0.0 \ 0.0$
 $LAB^*TCha = 0.01 \ 0.01 \ 0.0$

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

ORS18; adapted (a) CIELAB data

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

QMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.59	-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

%Regularity

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

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

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 77.01 \ -15.16 \ -19.98$
 $LAB^*LAb = 77.01 \ 0.0 \ 0.0$
 $LAB^*TCha = 75.0 \ 27.15 \ 236.01$

relative CIELAB lab*
 $lab^*lab = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tch = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*nch = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 relative Natural Colour (NC)
 $lab^*trj = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tce = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*nce = 0.5 \ 0.5 \ 0.5 \ (1.0)$

relative Inform. Technology (IT)
 $olvi3^* = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 57.66 \ -15.17 \ -22.5$
 $LAB^*LAb = 57.66 \ 0.0 \ 0.0$
 $LAB^*TCha = 50.0 \ 27.15 \ 236.01$

relative CIELAB lab*
 $lab^*lab = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tch = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*nch = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 relative Natural Colour (NC)
 $lab^*trj = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tce = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*nce = 0.75 \ 0.75 \ 0.75 \ (1.0)$

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 37.36 \ -0.38 \ 0.63$
 $LAB^*LAb = 37.36 \ 0.0 \ 0.0$
 $LAB^*TCha = 25.0 \ 27.15 \ 236.01$

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

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 37.36 \ -0.38 \ 0.63$
 $LAB^*LAb = 37.36 \ 0.0 \ 0.0$
 $LAB^*TCha = 25.0 \ 27.15 \ 236.01$

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

relative Inform. Technology (IT)
 $olvi3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 37.36 \ -0.38 \ 0.63$
 $LAB^*LAb = 37.36 \ 0.0 \ 0.0$
 $LAB^*TCha = 25.0 \ 27.15 \ 236.01$

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 203/360 = 0.564$

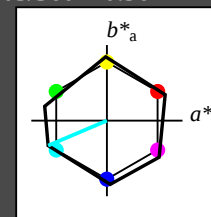
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 53 84 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 119$

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
 $LAB^*LAB = 95.41 \ -0.97 \ 47.5$
 $LAB^*LAb = 95.41 \ 0.0 \ 0.0$
 $LAB^*TCha = 99.99 \ 0.01 \ 0.0$

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)
 $lab^*trj = 1.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ 0.0$
 $lab^*nce = 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn3^* = 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 74.31 \ 0.02 \ 0.0$
 $LAB^*LAb = 74.31 \ 0.0 \ 0.0$
 $LAB^*TCha = 75.0 \ 0.01 \ 0.0$

relative CIELAB lab*
 $lab^*lab = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*tch = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*nch = 0.25 \ 0.25 \ 0.25 \ (0.0)$
 relative Natural Colour (NC)
 $lab^*trj = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*tce = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $lab^*nce = 0.25 \ 0.25 \ 0.25 \ (0.0)$

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 53.21 \ 0.04 \ 0.0$
 $LAB^*LAb = 53.21 \ 0.0 \ 0.0$
 $LAB^*TCha = 50.0 \ 0.01 \ 0.0$

relative CIELAB lab*
 $lab^*lab = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tch = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*nch = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 relative Natural Colour (NC)
 $lab^*trj = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*tce = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $lab^*nce = 0.5 \ 0.5 \ 0.5 \ (1.0)$

relative Inform. Technology (IT)
 $olvi3^* = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn3^* = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 $LAB^*LAB = 32.11 \ 0.05 \ 0.0$
 $LAB^*LAb = 32.11 \ 0.0 \ 0.0$
 $LAB^*TCha = 25.0 \ 0.01 \ 0.0$

relative CIELAB lab*
 $lab^*lab = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tch = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*nch = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 relative Natural Colour (NC)
 $lab^*trj = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*tce = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $lab^*nce = 0.75 \ 0.75 \ 0.75 \ (1.0)$

Input: Colorimetric Reflective System ORS18

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

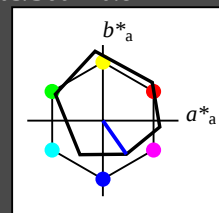
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

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 -0.97 47.5
LAB*Lab 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*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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCha 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*tch 0.75 0.75 0.75 (1.0)
lab*nch 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*tce 0.75 0.75 0.75 (1.0)
lab*nce 0.25 0.25 0.25 (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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*Lab 56.71 0.0 0.0
LAB*TCha 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*tch 0.5 0.5 0.5 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (0.0)
lab*tce 0.5 0.5 0.5 (0.0)
lab*nce 0.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.36 0.63
LAB*Lab 37.36 0.0 0.0
LAB*TCha 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*tch 0.25 0.25 0.25 (1.0)
lab*nch 0.75 0.75 0.75 (0.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (1.0)
lab*tce 0.25 0.25 0.25 (1.0)
lab*nce 0.75 0.75 0.75 (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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCha 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*tch 0.0 0.0 0.0 (1.0)
lab*nch 1.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (1.0)
lab*tce 0.0 0.0 0.0 (1.0)
lab*nce 1.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCha 0.01 0.01 -

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

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

% Regularity

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

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 60.56 15.24 -19.79
LAB*Lab 60.56 15.24 -19.79
LAB*TCha 75.0 27.11 305.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*tch 0.5 0.5 0.5 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (1.0)
lab*tce 0.5 0.5 0.5 (1.0)
lab*nce 0.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 41.21 15.61 -21.1
LAB*Lab 41.21 15.61 -21.1
LAB*TCha 50.0 27.12 305.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*tch 0.25 0.25 0.25 (1.0)
lab*nch 0.75 0.75 0.75 (0.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (1.0)
lab*tce 0.25 0.25 0.25 (1.0)
lab*nce 0.75 0.75 0.75 (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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 21.87 15.96 -32.24
LAB*Lab 21.87 15.96 -32.24
LAB*TCha 37.51 40.67 305.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*tch 0.0 0.0 0.0 (1.0)
lab*nch 1.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (1.0)
lab*tce 0.0 0.0 0.0 (1.0)
lab*nce 1.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 19.94 7.77 -11.09
LAB*Lab 19.94 7.77 -11.09
LAB*TCha 12.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*tch 0.0 0.0 0.0 (1.0)
lab*nch 1.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (1.0)
lab*tce 0.0 0.0 0.0 (1.0)
lab*nce 1.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCha 0.01 0.01 -

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

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 273/360 = 0.758$

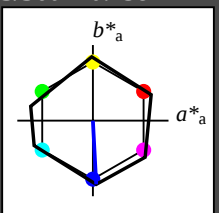
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 119$

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 0.0 -0.01
LAB*Lab 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*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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*Lab 74.31 0.02 0.0
LAB*TCha 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*tch 0.75 0.75 0.75 (1.0)
lab*nch 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*tce 0.75 0.75 0.75 (1.0)
lab*nce 0.25 0.25 0.25 (0.0)

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 53.21 0.04 -0.44
LAB*Lab 53.21 0.04 -0.44
LAB*TCha 50.0 54.23 305.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*tch 0.5 0.5 0.5 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (1.0)
lab*tce 0.5 0.5 0.5 (1.0)
lab*nce 0.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.72 23.72 -33.30
LAB*Lab 25.72 23.72 -33.30
LAB*TCha 37.51 40.67 305.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*tch 0.25 0.25 0.25 (1.0)
lab*nch 0.75 0.75 0.75 (0.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (1.0)
lab*tce 0.25 0.25 0.25 (1.0)
lab*nce 0.75 0.75 0.75 (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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*Lab 11.01 0.0 0.0
LAB*TCha 0.0 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*tch 0.0 0.0 0.0 (1.0)
lab*nch 1.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (1.0)
lab*tce 0.0 0.0 0.0 (1.0)
lab*nce 1.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*Lab 11.01 0.0 0.0
LAB*TCha 0.0 0.01 -

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

NRS11; adapted (a) CIELAB data

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

RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 74.3 2.21 -42.13
LAB*Lab 74.3 2.21 -42.13
LAB*TCha 75.0 42.2 272.97

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*tch 0.5 0.5 0.5 (1.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (1.0)
lab*tce 0.5 0.5 0.5 (1.0)
lab*nce 0.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 53.2 2.23 -42.13
LAB*Lab 53.2 2.23 -42.13
LAB*TCha 50.0 42.2 272.97

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*tch 0.25 0.25 0.25 (1.0)
lab*nch 0.75 0.75 0.75 (0.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (1.0)
lab*tce 0.25 0.25 0.25 (1.0)
lab*nce 0.75 0.75 0.75 (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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.1 2.19 -42.13
LAB*Lab 32.1 2.19 -42.13
LAB*TCha 37.51 63.3 272.97

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*tch 0.0 0.0 0.0 (1.0)
lab*nch 1.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (1.0)
lab*tce 0.0 0.0 0.0 (1.0)
lab*nce 1.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 21.87 2.16 -42.13
LAB*Lab 21.87 2.16 -42.13
LAB*TCha 12.5 63.3 272.97

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*tch 0.0 0.0 0.0 (1.0)
lab*nch 1.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (1.0)
lab*tce 0.0 0.0 0.0 (1.0)
lab*nce 1.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*Lab 11.01 0.0 0.0
LAB*TCha 0.0 0.01 -

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

UE520-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

5 step scales for constant CIELAB hue 273/360 = 0.758 (right)

BAM-test chart UE52; Colorimetric systems ORS18 & NRS11

D65: 2 coordinate data of 5 step colour scales for 10 hues

input: `cmY0* setcmYcolor`

output: `olV* setrgbcolor / w* setgray`

See for similar files: <http://www.ps.bam.de/UE52/>
Technical information: <http://www.ps.bam.de> Version 2.1, io=0,1, CIEXYZ

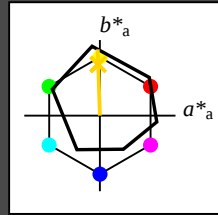
www.ps.bam.de/UE52/10S/S52E07FP.PS/.PDF; linearized output
F: Output Linearization (OL) data UE52/10S/S52E07FP.DAT in File (F)

BAM registration: 20060101-UE52/10S/S52E07FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems, Yr=2.5, XYZ
/UE52/ Form 8/10, Serie: 1/1, Page: 8 Page count: 8

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
rgb*Ma: 1.0 0.9 0.0

triangle lightness t^*



% Gamut

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 -0.97 47.5
LAB*Lab 95.41 0.0 0.0
LAB*TCa 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 1.0 0.975 0.75 (1.0)
cmyn3* 0.0 0.025 0.25 (0.0)
olvi4* 1.0 0.975 0.75 (1.0)
cmyn4* 0.0 0.025 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 93.11 -1.64 26.52
LAB*Lab 93.11 -0.7 21.93
LAB*TCa 87.5 21.93 91.86

relative Inform. Technology (IT)
olvi3* 1.0 0.975 0.75 (1.0)
cmyn3* 0.0 0.025 0.25 (0.0)
olvi4* 1.0 0.975 0.75 (1.0)
cmyn4* 0.0 0.025 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 90.8 -2.3 48.29
LAB*Lab 90.8 -1.41 43.85
LAB*TCa 75.0 43.87 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.975 0.75 (1.0)
cmyn3* 0.0 0.025 0.25 (0.0)
olvi4* 1.0 0.975 0.75 (1.0)
cmyn4* 0.0 0.025 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 88.49 -2.96 70.06
LAB*Lab 88.49 -2.11 65.77
LAB*TCa 62.5 65.81 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.975 0.75 (1.0)
cmyn3* 0.0 0.025 0.25 (0.0)
olvi4* 1.0 0.975 0.75 (1.0)
cmyn4* 0.0 0.025 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 86.15 -3.62 91.83
LAB*Lab 86.15 -2.82 87.69
LAB*TCa 50.0 87.73 91.85

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCa 75.0 0.01 -

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 73.75 -1.26 25.22
LAB*Lab 73.75 -0.7 21.93
LAB*TCa 62.5 21.94 91.84

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.45 -1.92 46.99
LAB*Lab 71.45 -1.4 43.85
LAB*TCa 50.0 43.87 91.84

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.15 -2.58 68.75
LAB*Lab 69.15 -2.11 65.77
LAB*TCa 37.51 65.8 91.84

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.61 -0.23 75.5
LAB*Lab 66.61 0.25 75.255
LAB*TCa 32.11 75.25 91.85

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*Lab 56.71 0.0 0.0
LAB*TCa 50.0 0.01 -

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 54.4 -0.89 23.92
LAB*Lab 54.4 -0.7 21.93
LAB*TCa 37.5 21.94 91.84

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.1 -1.55 45.68
LAB*Lab 52.1 -1.4 43.85
LAB*TCa 25.01 43.87 91.84

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.01 -0.01 0.0
LAB*Lab 50.01 0.0 0.0
LAB*TCa 25.0 0.01 -

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.15 -0.78 20.73
LAB*Lab 48.15 -0.83 20.72
LAB*TCa 37.5 20.74 92.33

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.63
LAB*Lab 37.36 0.0 0.63
LAB*TCa 25.0 0.01 -

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.05 -0.52 22.6
LAB*Lab 35.05 -0.69 21.92
LAB*TCa 12.3 21.93 91.84

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*Lab 32.11 0.0 0.0
LAB*TCa 25.01 0.01 -

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.01 0.0 0.0
LAB*Lab 30.01 0.0 0.0
LAB*TCa 25.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 28.15 0.0 0.0
LAB*Lab 28.15 0.0 0.0
LAB*TCa 25.0 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.46
LAB*TCa 0.01 0.01 -

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.02 0.0 0.0
LAB*Lab 16.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 14.02 0.0 0.0
LAB*Lab 14.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 12.02 0.0 0.0
LAB*Lab 12.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 10.02 0.0 0.0
LAB*Lab 10.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 8.02 0.0 0.0
LAB*Lab 8.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 6.02 0.0 0.0
LAB*Lab 6.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 4.02 0.0 0.0
LAB*Lab 4.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 2.02 0.0 0.0
LAB*Lab 2.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.02 0.0 0.0
LAB*Lab 0.02 0.0 0.0
LAB*TCa 0.0 0.0 -

UE520-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

BAM-test chart UE52; Colorimetric systems ORS18 & NRS11
D65: 2 coordinate data of 5 step colour scales for 10 hues

input: `cmv0* setcmymcolor`

output: `olv* setrgbcolor / w* setgray`

BAM material: code=rh4ta

See for similar files: <http://www.ps.bam.de/UE52/>
Technical information: <http://www.ps.bam.de> Version 2.1, io=0,1, CIEXYZ

www.ps.bam.de/UE52/10S/S52E08FP.PS/.PDF; linearized output
F: Output Linearization (OL) data UE52/10S/S52E08FP.DAT in File (F)

Input: Colorimetric Reflective System ORS18

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

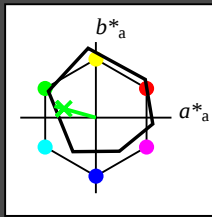
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

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 -0.97 47.5
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)
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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

relative CIELAB lab*
lab*lab 0.862 -0.24 0.067
lab*tch 0.875 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.862 -0.24 0.067
lab*tce 0.875 0.25 0.457
lab*nce 0.0 0.25 0.457

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 56.71 0.0 0.0
LAB*LABc 56.71 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*tch 0.75 0.75 0.75 (1.0)
lab*nch 0.0 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*tce 0.75 0.75 0.75 (1.0)
lab*nce 0.0 0.75 0.75 (1.0)

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 56.71 0.0 0.0
LAB*LABc 56.71 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*tch 0.5 0.5 0.5 (0.0)
lab*nch 0.0 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (0.0)
lab*tce 0.5 0.5 0.5 (0.0)
lab*nce 0.0 0.5 0.5 (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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.6 0.63
LAB*LABa 37.36 0.0 0.0
LAB*LABb 37.36 0.0 0.0
LAB*LABc 37.36 0.0 0.0

relative CIELAB lab*
lab*lab 0.362 -0.24 0.067
lab*tch 0.375 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.362 -0.24 0.067
lab*tce 0.375 0.25 0.457
lab*nce 0.0 0.25 0.457

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.6 0.63
LAB*LABa 37.36 0.0 0.0
LAB*LABb 37.36 0.0 0.0
LAB*LABc 37.36 0.0 0.0

relative CIELAB lab*
lab*lab 0.362 -0.24 0.067
lab*tch 0.375 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.362 -0.24 0.067
lab*tce 0.375 0.25 0.457
lab*nce 0.0 0.25 0.457

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
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 0.112 -0.24 0.067
lab*tch 0.125 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.112 -0.24 0.067
lab*tce 0.125 0.25 0.457
lab*nce 0.0 0.25 0.457

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
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 0.112 -0.24 0.067
lab*tch 0.125 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.112 -0.24 0.067
lab*tce 0.125 0.25 0.457
lab*nce 0.0 0.25 0.457

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
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 0.112 -0.24 0.067
lab*tch 0.125 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.112 -0.24 0.067
lab*tce 0.125 0.25 0.457
lab*nce 0.0 0.25 0.457

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
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 0.112 -0.24 0.067
lab*tch 0.125 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.112 -0.24 0.067
lab*tce 0.125 0.25 0.457
lab*nce 0.0 0.25 0.457

ORS18; adapted (a) CIELAB data

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

QMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.59	-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

% Regularity

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

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

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	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	74.1	-27.96	10.94	
	LAB*LABa	74.1	-27.96	10.94	
	LAB*LABb	74.1	-27.96	10.94	
	LAB*LABc	74.1	-27.96	10.94	

relative CIELAB lab*	lab*lab	0.75	0.75	0.75	(1.0)
	lab*tch	0.75	0.75	0.75	(1.0)
	lab*nch	0.0	0.75	0.75	(1.0)
relative Natural Colour (NC)	lab*trj	0.75	0.75	0.75	(1.0)
	lab*tce	0.75	0.75	0.75	(1.0)
	lab*nce	0.0	0.75	0.75	(1.0)

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	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	63.45	-41.46	14.03	
	LAB*LABa	63.45	-41.46	14.03	
	LAB*LABb	63.45	-41.46	14.03	
	LAB*LABc	63.45	-41.46	14.03	

relative CIELAB lab*	lab*lab	0.5	0.5	0.5	(0.0)
	lab*tch	0.5	0.5	0.5	(0.0)
	lab*nch	0.0	0.5	0.5	(0.0)
relative Natural Colour (NC)	lab*trj	0.5	0.5	0.5	(0.0)
	lab*tce	0.5	0.5	0.5	(0.0)
	lab*nce	0.0	0.5	0.5	(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	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	54.75	-27.6	9.64	
	LAB*LABa	54.75	-27.6	9.64	
	LAB*LABb	54.75	-27.6	9.64	
	LAB*LABc	54.75	-27.6	9.64	

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

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	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	35.41	-27.23	7.63	
	LAB*LABa	35.41	-27.23	7.63	
	LAB*LABb	35.41	-27.23	7.63	
	LAB*LABc	35.41	-27.23	7.63	

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

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	(1.0)
	cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB	LAB*LAB	11.01	0.0	0.0	
	LAB*LABa	11.01	0.0	0.0	
	LAB*LABb	11.01	0.0	0.0	
	LAB*LABc	11.01	0.0	0.0	

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 162/360 = 0.451$

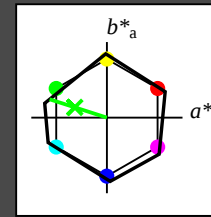
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 119$

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 0.0 -0.01
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)
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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*LABa 74.31 0.02 0.0
LAB*LABb 74.31 0.02 0.0
LAB*LABc 74.31 0.02 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*tch 0.75 0.75 0.75 (1.0)
lab*nch 0.0 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*tce 0.75 0.75 0.75 (1.0)
lab*nce 0.0 0.75 0.75 (1.0)

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.8 -54.95 17.13
LAB*LABa 52.8 -54.95 17.13
LAB*LABb 52.8 -54.95 17.13
LAB*LABc 52.8 -54.95 17.13

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*tch 0.5 0.5 0.5 (0.0)
lab*nch 0.0 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (0.0)
lab*tce 0.5 0.5 0.5 (0.0)
lab*nce 0.0 0.5 0.5 (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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.8 -54.95 17.13
LAB*LABa 52.8 -54.95 17.13
LAB*LABb 52.8 -54.95 17.13
LAB*LABc 52.8 -54.95 17.13

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

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*LABb 11.01 0.0 0.0
LAB*LABc 11.01 0.0 0.0

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

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*LABb 32.11 0.0 0.0
LAB*LABc 32.11 0.0 0.0

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

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*LABb 11.01 0.0 0.0

www.ps.bam.de/UE52/10S/S52E09FP.PS/.PDF; linearized output
F: Output Linearization (OL) data UE52/10S/S52E09FP.DAT in File (F)

Input: Colorimetric Reflective System ORS18

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

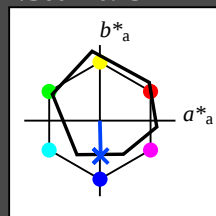
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)		
olvi3*	1.0	1.0
olvi4*	1.0	1.0
olvi5*	1.0	1.0
olvi6*	1.0	1.0
olvi7*	1.0	1.0
olvi8*	1.0	1.0
olvi9*	1.0	1.0
olvi10*	1.0	1.0
olvi11*	1.0	1.0
olvi12*	1.0	1.0
olvi13*	1.0	1.0
olvi14*	1.0	1.0
olvi15*	1.0	1.0
olvi16*	1.0	1.0
olvi17*	1.0	1.0
olvi18*	1.0	1.0
olvi19*	1.0	1.0
olvi20*	1.0	1.0

relative Inform. Technology (IT)		
olvi3*	0.75	0.75
olvi4*	0.75	0.75
olvi5*	0.75	0.75
olvi6*	0.75	0.75
olvi7*	0.75	0.75
olvi8*	0.75	0.75
olvi9*	0.75	0.75
olvi10*	0.75	0.75
olvi11*	0.75	0.75
olvi12*	0.75	0.75
olvi13*	0.75	0.75
olvi14*	0.75	0.75
olvi15*	0.75	0.75
olvi16*	0.75	0.75
olvi17*	0.75	0.75
olvi18*	0.75	0.75
olvi19*	0.75	0.75
olvi20*	0.75	0.75

relative Inform. Technology (IT)		
olvi3*	0.5	0.5
olvi4*	0.5	0.5
olvi5*	0.5	0.5
olvi6*	0.5	0.5
olvi7*	0.5	0.5
olvi8*	0.5	0.5
olvi9*	0.5	0.5
olvi10*	0.5	0.5
olvi11*	0.5	0.5
olvi12*	0.5	0.5
olvi13*	0.5	0.5
olvi14*	0.5	0.5
olvi15*	0.5	0.5
olvi16*	0.5	0.5
olvi17*	0.5	0.5
olvi18*	0.5	0.5
olvi19*	0.5	0.5
olvi20*	0.5	0.5

relative Inform. Technology (IT)		
olvi3*	0.25	0.25
olvi4*	0.25	0.25
olvi5*	0.25	0.25
olvi6*	0.25	0.25
olvi7*	0.25	0.25
olvi8*	0.25	0.25
olvi9*	0.25	0.25
olvi10*	0.25	0.25
olvi11*	0.25	0.25
olvi12*	0.25	0.25
olvi13*	0.25	0.25
olvi14*	0.25	0.25
olvi15*	0.25	0.25
olvi16*	0.25	0.25
olvi17*	0.25	0.25
olvi18*	0.25	0.25
olvi19*	0.25	0.25
olvi20*	0.25	0.25

relative Inform. Technology (IT)		
olvi3*	0.1	0.1
olvi4*	0.1	0.1
olvi5*	0.1	0.1
olvi6*	0.1	0.1
olvi7*	0.1	0.1
olvi8*	0.1	0.1
olvi9*	0.1	0.1
olvi10*	0.1	0.1
olvi11*	0.1	0.1
olvi12*	0.1	0.1
olvi13*	0.1	0.1
olvi14*	0.1	0.1
olvi15*	0.1	0.1
olvi16*	0.1	0.1
olvi17*	0.1	0.1
olvi18*	0.1	0.1
olvi19*	0.1	0.1
olvi20*	0.1	0.1

relative Inform. Technology (IT)		
olvi3*	0.05	0.05
olvi4*	0.05	0.05
olvi5*	0.05	0.05
olvi6*	0.05	0.05
olvi7*	0.05	0.05
olvi8*	0.05	0.05
olvi9*	0.05	0.05
olvi10*	0.05	0.05
olvi11*	0.05	0.05
olvi12*	0.05	0.05
olvi13*	0.05	0.05
olvi14*	0.05	0.05
olvi15*	0.05	0.05
olvi16*	0.05	0.05
olvi17*	0.05	0.05
olvi18*	0.05	0.05
olvi19*	0.05	0.05
olvi20*	0.05	0.05

relative Inform. Technology (IT)		
olvi3*	0.025	0.025
olvi4*	0.025	0.025
olvi5*	0.025	0.025
olvi6*	0.025	0.025
olvi7*	0.025	0.025
olvi8*	0.025	0.025
olvi9*	0.025	0.025
olvi10*	0.025	0.025
olvi11*	0.025	0.025
olvi12*	0.025	0.025
olvi13*	0.025	0.025
olvi14*	0.025	0.025
olvi15*	0.025	0.025
olvi16*	0.025	0.025
olvi17*	0.025	0.025
olvi18*	0.025	0.025
olvi19*	0.025	0.025
olvi20*	0.025	0.025

relative Inform. Technology (IT)		
olvi3*	0.0125	0.0125
olvi4*	0.0125	0.0125
olvi5*	0.0125	0.0125
olvi6*	0.0125	0.0125
olvi7*	0.0125	0.0125
olvi8*	0.0125	0.0125
olvi9*	0.0125	0.0125
olvi10*	0.0125	0.0125
olvi11*	0.0125	0.0125
olvi12*	0.0125	0.0125
olvi13*	0.0125	0.0125
olvi14*	0.0125	0.0125
olvi15*	0.0125	0.0125
olvi16*	0.0125	0.0125
olvi17*	0.0125	0.0125
olvi18*	0.0125	0.0125
olvi19*	0.0125	0.0125
olvi20*	0.0125	0.0125

relative Inform. Technology (IT)		
olvi3*	0.00625	0.00625
olvi4*	0.00625	0.00625
olvi5*	0.00625	0.00625
olvi6*	0.00625	0.00625
olvi7*	0.00625	0.00625
olvi8*	0.00625	0.00625
olvi9*	0.00625	0.00625
olvi10*	0.00625	0.00625
olvi11*	0.00625	0.00625
olvi12*	0.00625	0.00625
olvi13*	0.00625	0.00625
olvi14*	0.00625	0.00625
olvi15*	0.00625	0.00625
olvi16*	0.00625	0.00625
olvi17*	0.00625	0.00625
olvi18*	0.00625	0.00625
olvi19*	0.00625	0.00625
olvi20*	0.00625	0.00625

relative Inform. Technology (IT)		
olvi3*	0.003125	0.003125
olvi4*	0.003125	0.003125
olvi5*	0.003125	0.003125
olvi6*	0.003125	0.003125
olvi7*	0.003125	0.003125
olvi8*	0.003125	0.003125
olvi9*	0.003125	0.003125
olvi10*	0.003125	0.003125
olvi11*	0.003125	0.003125
olvi12*	0.003125	0.003125
olvi13*	0.003125	0.003125
olvi14*	0.003125	0.003125
olvi15*	0.003125	0.003125
olvi16*	0.003125	0.003125
olvi17*	0.003125	0.003125
olvi18*	0.003125	0.003125
olvi19*	0.003125	0.003125
olvi20*	0.003125	0.003125

relative Inform. Technology (IT)		
olvi3*	0.0015625	0.0015625
olvi4*	0.0015625	0.0015625
olvi5*	0.0015625	0.0015625
olvi6*	0.0015625	0.0015625
olvi7*	0.0015625	0.0015625
olvi8*	0.0015625	0.0015625
olvi9*	0.0015625	0.0015625
olvi10*	0.0015625	0.0015625
olvi11*	0.0015625	0.0015625
olvi12*	0.0015625	0.0015625
olvi13*	0.0015625	0.0015625
olvi14*	0.0015625	0.0015625
olvi15*	0.0015625	0.0015625
olvi16*	0.0015625	0.0015625
olvi17*	0.0015625	0.0015625
olvi18*	0.0015625	0.0015625
olvi19*	0.0015625	0.0015625
olvi20*	0.0015625	0.0015625

relative Inform. Technology (IT)		
olvi3*	0.00078125	0.00078125
olvi4*	0.00078125	0.00078125
olvi5*	0.00078125	0.00078125
olvi6*	0.00078125	0.00078125
olvi7*	0.00078125	0.00078125
olvi8*	0.00078125	0.00078125
olvi9*	0.00078125	0.00078125
olvi10*	0.00078125	0.00078125
olvi11*	0.00078125	0.00078125
olvi12*	0.00078125	0.00078125
olvi13*	0.00078125	0.00078125
olvi14*	0.00078125	0.00078125
olvi15*	0.00078125	0.00078125
olvi16*	0.00078125	0.00078125
olvi17*	0.00078125	0.00078125
olvi18*	0.00078125	0.00078125
olvi19*	0.00078125	0.00078125
olvi20*	0.00078125	0.00078125

relative Inform. Technology (IT)		
olvi3*	0.000390625	0.000390625
olvi4*	0.000390625	0.000390625
olvi5*	0.000390625	0.000390625
olvi6*	0.000390625	0.000390625
olvi7*	0.000390625	0.000390625
olvi8*	0.000390625	0.000390625
olvi9*	0.000390625	0.000390625
olvi10*	0.000390625	0.000390625
olvi11*	0.000390625	0.000390625
olvi12*	0.000390625	0.000390625
olvi13*	0.000390625	0.000390625
olvi14*	0.000390625	0.000390625
olvi15*	0.000390625	0.000390625
olvi16*	0.000390625	0.000390625
olvi17*	0.000390625	0.000390625
olvi18*	0.000390625	0.000390625
olvi19*	0.000390625	0.000390625
olvi20*	0.000390625	0.000390625

relative Inform. Technology (IT)		
olvi3*	0.0001953125	0.0001953125
olvi4*	0.0001953125	0.0001953125
olvi5*	0.0001953125	0.0001953125
olvi6*	0.0001953125	0.0001953125
olvi7*	0.0001953125	0.0001953125
olvi8*	0.0001953125	0.0001953125
olvi9*	0.0001953125	0.0001953125
olvi10*	0.0001953125	0.0001953125
olvi11*	0.0001953125	0.0001953125
olvi12*	0.0001953125	0.0001953125
olvi13*	0.0001953125	0.0001953125
olvi14*	0.0001953125	0.0001953125
olvi15*	0.0001953125	0.0001953125
olvi16*	0.0001953125	0.0001953125
olvi17*	0.0001953125	0.0001953125
olvi18*	0.0001953125	0.0001953125
olvi19*	0.0001953125	0.0001953125
olvi20*	0.0001953125	0.0001953125

relative Inform. Technology (IT)		
olvi3*	0.00009765625	0.00009765625
olvi4*	0.00009765625	0.00009765625
olvi5*	0.00009765625	0.00009765625
olvi6*	0.00009765625	0.00009765625
olvi7*	0.00009765625	0.00009765625
olvi8*	0.00009765625	0.00009765625
olvi9*	0.00009765625	0.00009765625
olvi10*	0.00009765625	0.00009765625
olvi11*	0.00009765625	0.00009765625
olvi12*	0.00009765625	0.00009765625
olvi13*	0.00009765625	0.00009765625
olvi14*	0.00009765625	0.00009765625
olvi15*	0.00009765625	0.00009765625
olvi16*	0.00009765625	0.00009765625
olvi17*	0.00009765625	0.00009765625
olvi18*	0.00009765625	0.00009765625
olvi19*	0.00009765625	0.00009765625
olvi20*	0.00009765625	0.00009765625

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