

Input: Colorimetric Offset Reflective System ORS18

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

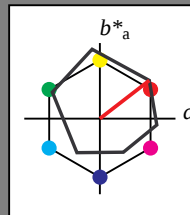
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	0.0	0.0	0.0	(0.0)
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*	1.0	0.75	0.75	(1.0)
olvi4*	0.0	0.25	0.25	(0.0)
olvi5*	0.0	0.75	0.75	(0.0)
olvi6*	0.0	0.25	0.25	(0.0)
olvi7*	0.0	0.75	0.75	(0.0)
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olvi93*	0.0	0.75	0.75	(0.0)
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olvi95*	0.0	0.75	0.75	(0.0)
olvi96*	0.0	0.25	0.25	(0.0)
olvi97*	0.0	0.75	0.75	(0.0)
olvi98*	0.0	0.25	0.25	(0.0)
olvi99*	0.0	0.75	0.75	(0.0)
olvi100*	0.0	0.25	0.25	(0.0)

relative CIELAB lab*			
lab*lab	0.847	0.198	0.153
lab*tch	0.875	0.25	0.105
lab*nch	0.0	0.25	0.105
relative Natural Colour (NC)			
lab*lrj	0.847	0.238	0.075
lab*tce	0.875	0.25	0.048
lab*nce	0.0	0.25	r19j

Input: Colorimetric Offset Reflective System ORS18

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

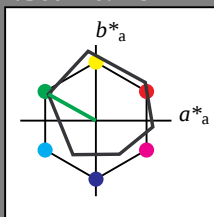
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data

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

%Regularity

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

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

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
olv6*	0.0	0.0	0.0	(0.0)
olv7*	0.0	0.0	0.0	(0.0)
olv8*	0.0	0.0	0.0	(0.0)
olv9*	0.0	0.0	0.0	(0.0)
olv10*	0.0	0.0	0.0	(0.0)
olv11*	0.0	0.0	0.0	(0.0)
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olv89*	0.0	0.0	0.0	(0.0)
olv90*	0.0	0.0	0.0	(0.0)
olv91*	0.0	0.0	0.0	(0.0)
olv92*	0.0	0.0	0.0	(0.0)
olv93*	0.0	0.0	0.0	(0.0)
olv94*	0.0	0.0	0.0	(0.0)
olv95*	0.0	0.0	0.0	(0.0)
olv96*	0.0	0.0	0.0	(0.0)
olv97*	0.0	0.0	0.0	(0.0)
olv98*	0.0	0.0	0.0	(0.0)
olv99*	0.0	0.0	0.0	(0.0)
olv100*	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

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

relative Inform. Technology (IT)				
olv3*	0.5	1.0	0.5	(1.0)
olv3*	0.5	0.0	0.5	(0.0)
olv4*	0.5	1.0	0.5	1.0
olv4*	0.5	0.0	0.5	0.0
olv5*	0.5	0.0	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	73.15	-31.96	20.73	
LAB*Lab	73.15	-31.4	17.48	
LAB*TCiBa	75.0	35.95	150.91	
relative CIELAB				
lab*lab	0.712	0.436	0.243	
lab*ch	0.75	0.5	0.419	
lab*nch	0.0	0.5	0.419	
relative Natural Colour (NC)				
lab*lrj	0.712	-0.478	0.144	
lab*te	0.75	0.5	0.453	
lab*nce	0.0	0.5	.81g	

Input: Colorimetric Offset Reflective System ORS18

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

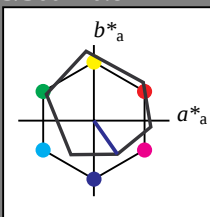
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data

	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
LMa	50.9	-62.83	34.96	71.91	151
CMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
MMa	48.13	75.28	-8.36	75.74	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	64.57	25
JCIE	81.26	-2.16	67.76	67.79	92
GCIE	52.23	-42.25	11.76	43.87	164
BCIE	30.57	1.15	-46.84	46.86	271

%Regularity

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

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

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	-0.98	47.5	
LAB*Lab	95.41	0.0	0.0	
LAB*TCha	99.99	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.75	1.0	(1.0)
cmv3*	0.25	0.25	0.0	(0.0)
olv4*	0.75	0.75	1.0	(1.0)
cmv4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	77.99	7.12	-7.51	
LAB*Lab	77.99	7.77	-11.09	
LAB*TCha	87.5	13.55	305.0	

relative Inform. Technology (IT)

olv3*	0.5	0.5	1.0	(1.0)
cmv3*	0.5	0.5	0.0	(0.0)
olv4*	0.5	0.5	1.0	(1.0)
cmv4*	0.5	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	60.56	15.23	-19.79	
LAB*Lab	60.56	15.55	-22.19	
LAB*TCha	75.0	27.1	305.0	

relative Inform. Technology (IT)

olv3*	0.25	0.25	1.0	(1.0)
cmv3*	0.75	0.75	0.0	(0.0)
olv4*	0.25	0.25	1.0	(1.0)
cmv4*	0.75	0.75	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	43.14	23.34	-32.07	
LAB*Lab	43.14	23.32	-33.29	
LAB*TCha	62.5	40.66	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	1.0	(1.0)
cmv3*	1.0	1.0	0.0	(0.0)
olv4*	0.0	0.0	1.0	(1.0)
cmv4*	1.0	1.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	
LAB*Lab	25.73	31.09	-44.39	
LAB*TCha	50.0	54.21	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.5	(0.5)
cmv3*	0.5	0.5	0.0	(0.0)
olv4*	0.0	0.0	0.5	(0.5)
cmv4*	0.5	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	
LAB*Lab	25.73	31.09	-44.39	
LAB*TCha	50.0	54.21	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.25	(0.25)
cmv3*	0.75	0.75	0.0	(0.0)
olv4*	0.0	0.0	0.25	(0.25)
cmv4*	0.75	0.75	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	
LAB*Lab	25.73	31.09	-44.39	
LAB*TCha	50.0	54.21	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(0.0)
cmv3*	1.0	1.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
cmv4*	1.0	1.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	
LAB*Lab	25.73	31.09	-44.39	
LAB*TCha	50.0	54.21	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(0.0)
cmv3*	0.5	0.5	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
cmv4*	0.5	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	
LAB*Lab	25.73	31.09	-44.39	
LAB*TCha	50.0	54.21	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(0.0)
cmv3*	0.25	0.25	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
cmv4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	
LAB*Lab	25.73	31.09	-44.39	
LAB*TCha	50.0	54.21	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(0.0)
cmv3*	0.0	0.0	0.5	(0.5)
olv4*	0.0	0.0	0.0	(0.0)
cmv4*	0.0	0.0	0.5	(0.5)
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	
LAB*Lab	25.73	31.09	-44.39	
LAB*TCha	50.0	54.21	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(0.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
cmv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	
LAB*Lab	25.73	31.09	-44.39	
LAB*TCha	50.0	54.21	305.0	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
cmv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*Lab	56.71	0.0	0.0	
LAB*TCha	50.0	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(1.0)
cmv3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-0.24	2.14	
LAB*Lab	56.71	0.0	0.0	
LAB*TCha	50.0	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.5	(1.0)
cmv3*	0.75	0.75	0.5	(0.0)
olv4*	0.5	0.5	0.5	(1.0)
cmv4*	0.5	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	41.22	15.55	-22.2	
LAB*Lab	41.22	15.55	-22.2	
LAB*TCha	50.0	27.1	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.25	(0.25)
cmv3*	0.75	0.75	0.25	(0.0)
olv4*	0.0	0.0	0.25	(0.25)
cmv4*	0.75	0.75	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	
LAB*Lab	25.73	31.09	-44.39	
LAB*TCha	50.0	54.21	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(0.0)
cmv3*	1.0	1.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
cmv4*	1.0	1.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	
LAB*Lab	25.73	31.09	-44.39	
LAB*TCha	50.0	54.21	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(0.0)
cmv3*	0.5	0.5	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
cmv4*	0.5	0.5	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	
LAB*Lab	25.73	31.09	-44.39	
LAB*TCha	50.0	54.21	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(0.0)
cmv3*	0.25	0.25	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
cmv4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	
LAB*Lab	25.73	31.09	-44.39	
LAB*TCha	50.0	54.21	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(0.0)
cmv3*	0.0	0.0	0.5	(0.5)
olv4*	0.0	0.0	0.0	(0.0)
cmv4*	0.0	0.0	0.5	(0.5)
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	
LAB*Lab	25.73	31.09	-44.39	
LAB*TCha	50.0	54.21	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(0.0)
cmv3*	0.75	0.75	0.5	(0.0)
olv4*	0.0	0.0	0.5	(0.5)
cmv4*	0.75	0.75	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	
LAB*Lab	25.73	31.09	-44.39	
LAB*TCha	50.0	54.21	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(0.0)
cmv3*	0.25	0.25	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
cmv4*	0.25	0.25	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	
LAB*Lab	25.73	31.09	-44.39	
LAB*TCha	50.0	54.21	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(0.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
cmv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	
LAB*Lab	25.73	31.09	-44.39	
LAB*TCha	50.0	54.21	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(0.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
cmv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.73	31.44	-44.34	
LAB*Lab	25.73	31.09	-44.39	
LAB*TCha	50.0	54.21	305.0	

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
cmv3*	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.0	0.63	
LAB*Lab	37.36	0.0	0.0	
LAB*TCha	25.0	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.5	(1.0)
cmv3*	0.75	0.75	0.5	(0.0)
olv4*	0.0	0.0	0.5	(0.5)
cmv4*	0.75	0.75	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	21.87	15.55	-22.19	
LAB*Lab	21.87	15.55	-22.19	
LAB*TCha	25.01	27.1	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.25	(0.25)
cmv3*	0.75	0.75	0.25	(0.0)
olv4*	0.0	0.0	0.25	(0.25)
cmv4*	0.75	0.75	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	21.87	15.55	-22.19	
LAB*Lab	21.87	15.55	-22.19	
LAB*TCha	25.01	27.1	305.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(0.0)
cmv3*	1.0	1.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
cmv4*	1.0	1.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	21.87			

Input: Colorimetric Offset Reflective System ORS18

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

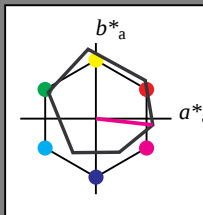
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

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

relative CIELAB lab*

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

relative Inform. Technology (IT)

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

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	64.24	18.82	-2.08	
LAB*LAB	64.24	18.82	-2.08	
LAB*LAB	64.24	18.82	-2.08	
LAB*LAB	64.24	18.82	-2.08	

relative Inform. Technology (IT)

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

relative CIELAB lab*

lab*lab	0.5	0.5	0.5	(0.0)
lab*lab	0.5	0.5	0.5	(0.0)
lab*lab	0.5	0.5	0.5	(0.0)
lab*lab	0.5	0.5	0.5	(0.0)
lab*lab	0.5	0.5	0.5	(0.0)
lab*lab	0.5	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	44.89	18.82	-0.74	
LAB*LAB	44.89	18.82	-0.74	
LAB*LAB	44.89	18.82	-0.74	
LAB*LAB	44.89	18.82	-0.74	

relative Inform. Technology (IT)

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

relative CIELAB lab*

lab*lab	0.25	0.25	0.25	(1.0)
lab*lab	0.75	0.75	0.75	(0.0)
lab*lab	0.25	0.25	0.25	(1.0)
lab*lab	0.75	0.75	0.75	(0.0)
lab*lab	0.25	0.25	0.25	(1.0)
lab*lab	0.75	0.75	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.54	19.17	-2.04	
LAB*LAB	25.54	19.17	-2.04	
LAB*LAB	25.54	19.17	-2.04	
LAB*LAB	25.54	19.17	-2.04	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.0	0.0	
LAB*LAB	18.02	0.0	0.0	
LAB*LAB	18.02	0.0	0.0	
LAB*LAB	18.02	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*lab	1.0	1.0	1.0	
lab*lab	0.0	1.0	1.0	
lab*lab	1.0	0.0	1.0	
lab*lab	0.0	0.0	1.0	
lab*lab	0.0	1.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

OE520-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

BAM-test chart OE52; Colorimetric systems ORS18 & SRS18

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

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$

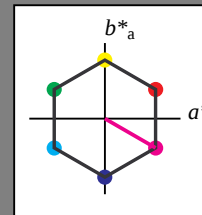
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

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

relative CIELAB lab*

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

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*LAB	76.07	0.0	0.0	
LAB*LAB	76.07	0.0	0.0	
LAB*LAB	76.07	0.0	0.0	

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	66.39	16.76	-9.67	
LAB*LAB	66.39	16.76	-9.67	
LAB*LAB	66.39	16.76	-9.67	
LAB*LAB	66.39	16.76	-9.67	

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(0.0)
olv3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LAB	56.72	0.0	0.0	
LAB*LAB	56.72	0.0	0.0	
LAB*LAB	56.72	0.0	0.0	

relative CIELAB lab*

lab*lab	0.5	0.5	0.5	(0.0)
lab*lab	0.5	0.5	0.5	(0.0)
lab*lab	0.5	0.5	0.5	(0.0)
lab*lab	0.5	0.5	0.5	(0.0)
lab*lab	0.5	0.5	0.5	(0.0)
lab*lab	0.5	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.04	16.76	-9.67	
LAB*LAB	47.04	16.76	-9.67	
LAB*LAB	47.04	16.76	-9.67	
LAB*LAB	47.04	16.76	-9.67	

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.37	0.0	0.0	
LAB*LAB	37.37	0.0	0.0	
LAB*LAB	37.37	0.0	0.0	
LAB*LAB	37.37	0.0	0.0	

relative CIELAB lab*

lab*lab	0.25	0.25	0.25	(1.0)
lab*lab	0.75	0.75	0.75	(0.0)
lab*lab	0.25	0.25	0.25	(1.0)
lab*lab	0.75	0.75	0.75	(0.0)
lab*lab	0.25	0.25	0.25	(1.0)
lab*lab	0.75	0.75	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	27.69	16.75	-9.66	
LAB*LAB	27.69	16.75	-9.66	
LAB*LAB	27.69	16.75	-9.66	
LAB*LAB	27.69	16.75	-9.66	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.03	0.0	0.0	
LAB*LAB	18.03	0.0	0.0	
LAB*LAB	18.03	0.0	0.0	
LAB*LAB	18.03	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*lab	1.0	1.0	1.0	
lab*lab	0.0	1.0	1.0	
lab*lab	1.0	0.0	1.0	
lab*lab	0.0	0.0	1.0	
lab*lab	0.0	1.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

input: $cmv0^* setcmykcolor$

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

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

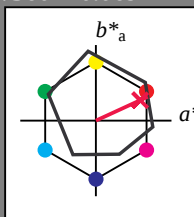
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.831	(1.0)
cmyn3*	0.0	0.25	0.169	(0.0)
olv4*	1.0	0.75	0.831	(1.0)
cmyn4*	0.0	0.25	0.169	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.5	0.581	(1.0)
cmyn3*	0.25	0.5	0.419	(0.0)
olv4*	1.0	0.75	0.831	(0.75)
cmyn4*	0.0	0.25	0.169	(0.25)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.25	0.411	(1.0)
cmyn3*	0.25	0.75	0.589	(0.0)
olv4*	1.0	0.5	0.661	(0.75)
cmyn4*	0.0	0.25	0.339	(0.25)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.25	0.411	(1.0)
cmyn3*	0.25	0.75	0.589	(0.0)
olv4*	1.0	0.5	0.661	(0.75)
cmyn4*	0.0	0.25	0.339	(0.25)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.25	0.411	(1.0)
cmyn3*	0.25	0.75	0.589	(0.0)
olv4*	1.0	0.5	0.661	(0.75)
cmyn4*	0.0	0.25	0.339	(0.25)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.25	0.411	(1.0)
cmyn3*	0.25	0.75	0.589	(0.0)
olv4*	1.0	0.5	0.661	(0.75)
cmyn4*	0.0	0.25	0.339	(0.25)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.25	0.411	(1.0)
cmyn3*	0.25	0.75	0.589	(0.0)
olv4*	1.0	0.5	0.661	(0.75)
cmyn4*	0.0	0.25	0.339	(0.25)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.25	0.411	(1.0)
cmyn3*	0.25	0.75	0.589	(0.0)
olv4*	1.0	0.5	0.661	(0.75)
cmyn4*	0.0	0.25	0.339	(0.25)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

ORS18; adapted (a) CIELAB data

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

% Regularity

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

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

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.661	(1.0)
cmyn3*	0.0	0.5	0.339	(0.0)
olv4*	1.0	0.5	0.661	(1.0)
cmyn4*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.661	(1.0)
cmyn3*	0.0	0.5	0.339	(0.0)
olv4*	1.0	0.5	0.661	(1.0)
cmyn4*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.661	(1.0)
cmyn3*	0.0	0.5	0.339	(0.0)
olv4*	1.0	0.5	0.661	(1.0)
cmyn4*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.661	(1.0)
cmyn3*	0.0	0.5	0.339	(0.0)
olv4*	1.0	0.5	0.661	(1.0)
cmyn4*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.661	(1.0)
cmyn3*	0.0	0.5	0.339	(0.0)
olv4*	1.0	0.5	0.661	(1.0)
cmyn4*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.661	(1.0)
cmyn3*	0.0	0.5	0.339	(0.0)
olv4*	1.0	0.5	0.661	(1.0)
cmyn4*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.661	(1.0)
cmyn3*	0.0	0.5	0.339	(0.0)
olv4*	1.0	0.5	0.661	(1.0)
cmyn4*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.661	(1.0)
cmyn3*	0.0	0.5	0.339	(0.0)
olv4*	1.0	0.5	0.661	(1.0)
cmyn4*	0.0	0.5	0.339	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 1.0$

$n^* = 1.0$

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$

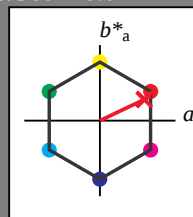
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.772	(1.0)
cmyn3*	0.0	0.25	0.228	(0.0)
olv4*	1.0	0.75	0.772	(1.0)
cmyn4*	0.0	0.25	0.228	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.772	(1.0)
cmyn3*	0.0	0.25	0.228	(0.0)
olv4*	1.0	0.75	0.772	(1.0)
cmyn4*	0.0	0.25	0.228	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.0	0.0	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	56.71	0.0	0.0	0.0
LAB*LABc	56.71	0.0	0.0	0.0

relative Inform. Technology (IT)				
olv3*	0.75	0.5	0.522	(1.0)
cmyn3*	0.25	0.5	0.478	(0.0)
olv4*	1.0	0.75	0.772	0.75
cmyn4*	0.0	0.25	0.228	0.25
standard and adapted CIELAB				
LAB*LAB	66.39	16.76	7.99	
LAB*LABa	66.39	16.76	7.99	
LAB*TCHa	62.5	18.56	25.48	
relative CIELAB lab*				

Input: Colorimetric Offset Reflective System ORS18

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

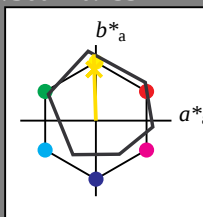
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data

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

%Regularity

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

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	95.41	-0.98	47.5
LAB*LAB	95.41	0.0	0.0
LAB*LAB	95.41	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.975	0.75	(1.0)
cmv3*	0.0	0.025	0.25	(0.0)
olv4*	1.0	0.975	0.75	(1.0)
cmv4*	0.0	0.025	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	93.1	-1.64	26.52
LAB*LAB	93.1	-0.7	21.92
LAB*LAB	93.1	-0.7	21.92

relative Inform. Technology (IT)

olv3*	1.0	0.975	0.75	(1.0)
cmv3*	0.0	0.025	0.25	(0.0)
olv4*	1.0	0.975	0.75	(1.0)
cmv4*	0.0	0.025	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	93.1	-1.64	26.52
LAB*LAB	93.1	-0.7	21.92
LAB*LAB	93.1	-0.7	21.92

relative Inform. Technology (IT)

olv3*	1.0	0.975	0.75	(1.0)
cmv3*	0.0	0.025	0.25	(0.0)
olv4*	1.0	0.975	0.75	(1.0)
cmv4*	0.0	0.025	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	93.1	-1.64	26.52
LAB*LAB	93.1	-0.7	21.92
LAB*LAB	93.1	-0.7	21.92

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LAB	56.71	0.0	0.0
LAB*LAB	56.71	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LAB	56.71	0.0	0.0
LAB*LAB	56.71	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LAB	56.71	0.0	0.0
LAB*LAB	56.71	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LAB	56.71	0.0	0.0
LAB*LAB	56.71	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.36	-0.03	0.83
LAB*LAB	37.36	0.0	0.0
LAB*LAB	37.36	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.36	-0.03	0.83
LAB*LAB	37.36	0.0	0.0
LAB*LAB	37.36	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.36	-0.03	0.83
LAB*LAB	37.36	0.0	0.0
LAB*LAB	37.36	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.36	-0.03	0.83
LAB*LAB	37.36	0.0	0.0
LAB*LAB	37.36	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.36	-0.03	0.83
LAB*LAB	37.36	0.0	0.0
LAB*LAB	37.36	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.36	-0.03	0.83
LAB*LAB	37.36	0.0	0.0
LAB*LAB	37.36	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.36	-0.03	0.83
LAB*LAB	37.36	0.0	0.0
LAB*LAB	37.36	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.36	-0.03	0.83
LAB*LAB	37.36	0.0	0.0
LAB*LAB	37.36	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	18.02	0.0	0.0
LAB*LAB	18.02	0.0	0.0
LAB*LAB	18.02	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	18.02	0.0	0.0
LAB*LAB	18.02	0.0	0.0
LAB*LAB	18.02	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	18.02	0.0	0.0
LAB*LAB	18.02	0.0	0.0
LAB*LAB	18.02	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	18.02	0.0	0.0
LAB*LAB	18.02	0.0	0.0
LAB*LAB	18.02	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	18.02	0.0	0.0
LAB*LAB	18.02	0.0	0.0
LAB*LAB	18.02	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	18.02	0.0	0.0
LAB*LAB	18.02	0.0	0.0
LAB*LAB	18.02	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmv3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1		

Input: Colorimetric Offset Reflective System ORS18

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

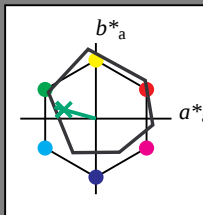
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	95.41	-0.98	47.5	
LAB*Lab	95.41	0.0	0.0	
LAB*TChA	99.99	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
cmyn3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	(1.0)
cmyn4*	0.25	0.0	0.188	(0.0)
LAB*LAB	84.75	-14.48	7.85	
LAB*Lab	84.75	-13.69	3.81	
LAB*TChA	97.5	14.23	164.46	

relative Inform. Technology (IT)

olv3*	0.5	1.0	0.623	(1.0)
cmyn3*	0.5	0.0	0.377	(0.0)
olv4*	0.5	1.0	0.623	(1.0)
cmyn4*	0.5	0.0	0.377	(0.0)
LAB*LAB	74.1	-27.98	10.94	
LAB*Lab	74.1	-27.4	7.62	
LAB*TChA	75.0	28.45	164.46	

relative Inform. Technology (IT)

olv3*	0.25	1.0	0.435	(1.0)
cmyn3*	0.25	0.0	0.565	(0.0)
olv4*	0.25	1.0	0.435	(1.0)
cmyn4*	0.25	0.0	0.565	(0.0)
LAB*LAB	63.45	-41.48	14.04	
LAB*Lab	63.45	-41.11	11.44	
LAB*TChA	62.5	42.68	164.45	

relative Inform. Technology (IT)

olv3*	0.0	1.0	0.246	(1.0)
cmyn3*	1.0	0.0	0.754	(0.0)
olv4*	0.0	1.0	0.246	(1.0)
cmyn4*	0.0	1.0	0.754	(0.0)
LAB*LAB	52.8	-54.81	17.14	
LAB*Lab	52.8	-54.81	15.26	
LAB*TChA	50.0	56.91	164.45	

relative Inform. Technology (IT)

olv3*	0.0	0.5	0.188	(1.0)
cmyn3*	0.5	0.0	0.812	(0.0)
olv4*	0.0	0.5	0.188	(1.0)
cmyn4*	0.5	0.0	0.812	(0.0)
LAB*LAB	44.11	-41.11	12.74	
LAB*Lab	44.11	-41.11	11.45	
LAB*TChA	37.51	42.69	164.45	

relative Inform. Technology (IT)

olv3*	0.0	0.25	0.123	(1.0)
cmyn3*	0.25	0.0	0.875	(0.0)
olv4*	0.0	0.25	0.123	(1.0)
cmyn4*	0.25	0.0	0.875	(0.0)
LAB*LAB	35.41	-27.24	7.63	
LAB*Lab	35.41	-27.4	7.63	
LAB*TChA	25.01	28.46	164.45	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.113	(1.0)
cmyn3*	1.0	0.0	0.887	(0.0)
olv4*	0.0	0.0	0.113	(1.0)
cmyn4*	1.0	0.0	0.887	(0.0)
LAB*LAB	18.03	18.02	0.47	
LAB*Lab	18.03	18.02	0.47	
LAB*TChA	0.01	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)
LAB*LAB	18.03	18.02	0.47	
LAB*Lab	18.03	18.02	0.47	
LAB*TChA	0.01	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)
LAB*LAB	18.03	18.02	0.47	
LAB*Lab	18.03	18.02	0.47	
LAB*TChA	0.01	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)
LAB*LAB	18.03	18.02	0.47	
LAB*Lab	18.03	18.02	0.47	
LAB*TChA	0.01	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	37.36	-37.36	0.43	
LAB*Lab	37.36	-37.36	0.43	
LAB*TChA	25.01	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.75	0.938	(0.0)
olv4*	0.0	0.25	0.0	(1.0)
cmyn4*	0.0	0.75	0.938	(0.0)
LAB*LAB	26.71	-13.7	3.82	
LAB*Lab	26.71	-13.7	3.82	
LAB*TChA	12.5	14.23	164.43	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)
LAB*LAB	18.03	18.02	0.47	
LAB*Lab	18.03	18.02	0.47	
LAB*TChA	0.01	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)
LAB*LAB	18.03	18.02	0.47	
LAB*Lab	18.03	18.02	0.47	
LAB*TChA	0.01	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)
LAB*LAB	18.03	18.02	0.47	
LAB*Lab	18.03	18.02	0.47	
LAB*TChA	0.01	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)
LAB*LAB	18.03	18.02	0.47	
LAB*Lab	18.03	18.02	0.47	
LAB*TChA	0.01	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)
LAB*LAB	18.03	18.02	0.47	
LAB*Lab	18.03	18.02	0.47	
LAB*TChA	0.01	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)
LAB*LAB	18.03	18.02	0.47	
LAB*Lab	18.03	18.02	0.47	
LAB*TChA	0.01	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)
LAB*LAB	18.03	18.02	0.47	
LAB*Lab	18.03	18.02	0.47	
LAB*TChA	0.01	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)
LAB*LAB	18.03	18.02	0.47	
LAB*Lab	18.03	18.02	0.47	
LAB*TChA	0.01	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)
LAB*LAB	18.03	18.02	0.47	
LAB*Lab	18.03	18.02	0.47	
LAB*TChA	0.01	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)
LAB*LAB	18.03	18.02	0.47	
LAB*Lab	18.03	18.02	0.47	
LAB*TChA	0.01	0.01	0.0	

OE520-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

BAM-test chart OE52; Colorimetric systems ORS18 & SRS18

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

input: $cmY0^* setcmykcolor$

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

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

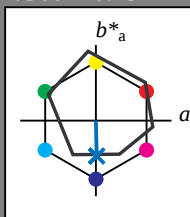
$lab \cdot tch$ and $lab \cdot nch$

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

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

% Regularity

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

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

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab \cdot h = 272/360 = 0.755$

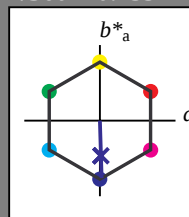
$lab \cdot tch$ and $lab \cdot nch$

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmv3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 47.5
LAB*LAB 95.41 0.0 0.0
LAB*TCMa 99.99 0.01

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 82.0 -0.45 -7.31
LAB*LAB 82.0 0.27 -11.16
LAB*TCMa 97.5 11.18 271.39

relative CIELAB lab*
lab*lab 0.827 0.006 -0.249
lab*tch 0.875 0.25 7.54
lab*nch 0.0 0.25 7.54
relative Natural Colour (NC)
lab*trj 0.827 0.0 -0.249
lab*trc 0.875 0.25 7.54
lab*ncc 0.0 0.25 7.54

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmv3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmv4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 68.0 0.07 -19.39
LAB*LAB 68.0 0.55 -22.34
LAB*TCMa 75.0 22.36 271.4

relative CIELAB lab*
lab*lab 0.654 0.012 -0.499
lab*tch 0.75 0.5 7.54
lab*nch 0.0 0.5 7.54
relative Natural Colour (NC)
lab*trj 0.654 0.0 -0.499
lab*trc 0.75 0.5 7.54
lab*ncc 0.0 0.5 7.54

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmv3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.25 0.25 (1.0)
cmv4* 0.75 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 48.0 0.07 -19.39
LAB*LAB 48.0 0.55 -22.34
LAB*TCMa 50.0 22.36 271.41

relative CIELAB lab*
lab*lab 0.480 0.012 -0.499
lab*tch 0.5 0.5 7.54
lab*nch 0.0 0.5 7.54
relative Natural Colour (NC)
lab*trj 0.480 0.0 -0.499
lab*trc 0.5 0.5 7.54
lab*ncc 0.0 0.5 7.54

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmv4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.19 0.61 -31.48
LAB*LAB 55.19 0.62 -33.52
LAB*TCMa 62.5 33.54 271.41

relative CIELAB lab*
lab*lab 0.018 -0.749 -0.749
lab*tch 0.625 0.75 7.54
lab*nch 0.0 0.75 7.54
relative Natural Colour (NC)
lab*trj 0.018 0.0 -0.749
lab*trc 0.625 0.75 7.54
lab*ncc 0.0 0.75 7.54

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LAB 76.06 0.0 0.0
LAB*TCMa 75.0 0.01

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*trc 0.75 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmv3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmv4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 68.0 0.07 -19.39
LAB*LAB 68.0 0.55 -22.34
LAB*TCMa 75.0 22.36 271.4

relative CIELAB lab*
lab*lab 0.654 0.012 -0.499
lab*tch 0.75 0.5 7.54
lab*nch 0.0 0.5 7.54
relative Natural Colour (NC)
lab*trj 0.654 0.0 -0.499
lab*trc 0.75 0.5 7.54
lab*ncc 0.0 0.5 7.54

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmv3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.25 0.25 (1.0)
cmv4* 0.75 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 48.0 0.07 -19.39
LAB*LAB 48.0 0.55 -22.34
LAB*TCMa 50.0 22.36 271.41

relative CIELAB lab*
lab*lab 0.480 0.012 -0.499
lab*tch 0.5 0.5 7.54
lab*nch 0.0 0.5 7.54
relative Natural Colour (NC)
lab*trj 0.480 0.0 -0.499
lab*trc 0.5 0.5 7.54
lab*ncc 0.0 0.5 7.54

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmv4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 55.19 0.61 -31.48
LAB*LAB 55.19 0.62 -33.52
LAB*TCMa 62.5 33.54 271.41

relative CIELAB lab*
lab*lab 0.018 -0.749 -0.749
lab*tch 0.625 0.75 7.54
lab*nch 0.0 0.75 7.54
relative Natural Colour (NC)
lab*trj 0.018 0.0 -0.749
lab*trc 0.625 0.75 7.54
lab*ncc 0.0 0.75 7.54

relative Inform. Technology (IT)
olv3* 0.267 0.25 0.25 (1.0)
cmv3* 0.733 0.75 0.75 (0.0)
olv4* 0.267 0.25 0.25 (1.0)
cmv4* 0.733 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 1.73 -57.03
LAB*LAB 66.38 1.73 -57.03
LAB*TCMa 62.5 57.07 271.74

relative CIELAB lab*
lab*lab 0.625 0.023 -0.749
lab*tch 0.625 0.75 7.54
lab*nch 0.0 0.75 7.54
relative Natural Colour (NC)
lab*trj 0.625 0.0 -0.749
lab*trc 0.625 0.75 7.54
lab*ncc 0.0 0.75 7.54

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmv3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LAB 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*trc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmv3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.25 0.25 (1.0)
cmv4* 0.75 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 43.0 0.27 -11.17
LAB*LAB 43.0 0.27 -11.17
LAB*TCMa 37.5 11.18 271.41

relative CIELAB lab*
lab*lab 0.327 0.006 -0.249
lab*tch 0.375 0.25 7.54
lab*nch 0.0 0.25 7.54
relative Natural Colour (NC)
lab*trj 0.327 0.0 -0.249
lab*trc 0.375 0.25 7.54
lab*ncc 0.0 0.25 7.54

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmv4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.5 0.01
LAB*LAB 37.5 0.01
LAB*TCMa 25.0 0.01

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmv4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*TCMa 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmv4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*TCMa 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmv3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LAB 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*trc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmv3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.25 0.25 (1.0)
cmv4* 0.75 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 43.0 0.27 -11.17
LAB*LAB 43.0 0.27 -11.17
LAB*TCMa 37.5 11.18 271.41

relative CIELAB lab*
lab*lab 0.327 0.006 -0.249
lab*tch 0.375 0.25 7.54
lab*nch 0.0 0.25 7.54
relative Natural Colour (NC)
lab*trj 0.327 0.0 -0.249
lab*trc 0.375 0.25 7.54
lab*ncc 0.0 0.25 7.54

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmv4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*TCMa 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmv4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*TCMa 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmv4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*TCMa 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmv3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LAB 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*trc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmv3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.25 0.25 (1.0)
cmv4* 0.75 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 43.0 0.27 -11.17
LAB*LAB 43.0 0.27 -11.17
LAB*TCMa 37.5 11.18 271.41

relative CIELAB lab*
lab*lab 0.327 0.006 -0.249
lab*tch 0.375 0.25 7.54
lab*nch 0.0 0.25 7.54
relative Natural Colour (NC)
lab*trj 0.327 0.0 -0.249
lab*trc 0.375 0.25 7.54
lab*ncc 0.0 0.25 7.54

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmv4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*TCMa 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmv4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*TCMa 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmv4* 1.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*TCMa 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)<