

Input: Colorimetric Offset Reflective System ORS18

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

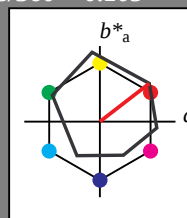
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

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

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

relative Inform. Technology (IT)	
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Input: Colorimetric Offset Reflective System ORS18

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

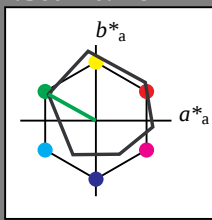
lab^*tch and lab^*nch

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
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M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

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

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

relative Inform. Technology (IT)				
olv13*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olv14*	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	-0.96	4.75	
LAB*LABa	95.41	0.0	0.0	
LAB*TCHa	99.99	0.01	-	
relative CIELAB lab*lab				
lab*lab	1.0	0.0	0.0	
lab*tc	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*lrj	1.0	0.0	0.0	
lab*tc	1.0	0.0	-	
lab*nch	0.0	0.0	-	

relative Inform. Technology (IT)				
olv3*	0.75	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olv4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	0.0
standard and adapted CIELAB				
LAB*LAB	84.28	-16.47	12.74	
LAB*LABa	84.28	-16.69	12.74	
LAB*LABb	84.28	-15.69	12.74	
LAB*LABc	87.5	-17.97	150.91	
relative CIELAB Lab				
lab*lab	85.86	0.217	0.121	
lab*lab*	0.875	0.25	0.419	
lab*lab	0.875	0.25	0.419	
lab*lab	0.875	0.25	0.419	
relative Natural Colour (NC)				
lab*lab	0.856	0.238	0.072	
lab*lab	0.875	0.25	0.453	
lab*lab	0.875	0.25	0.453	
lab*lab	0.875	0.25	0.453	

relative Inform. Technology (IT)				
olv3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olv4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	73.15	-31.96	20.73	
LAB*LABa	73.15	-0.24	17.48	
LAB*LABb	73.15	35.95	150.91	
relative CIELAB lab*				
lab*lab	0.712	-0.436	0.243	
lab*lab	0.712	-0.436	0.243	
lab*lab	0.712	-0.436	0.243	
lab*lab	0.712	-0.436	0.243	
lab*lab	0.712	-0.436	0.243	
lab*lab	0.712	-0.436	0.243	
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lab*lab	0.712	-0.436	0.243	
lab*lab	0.712	-0.436	0.243	
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lab*lab	0.712	-0.436	0.243	
lab*lab	0.712	-0.436	0.243	
lab*lab	0.712	-0.436	0.243	
lab*lab	0.712	-0.436	0.243	
lab*lab	0.712	-0.436	0.243	
lab*lab	0.712	-0.436	0.243	
lab*lab	0.712	-0.436	0.243	

relative Inform. Technology (IT)				
olv3*	0.25	1.0	0.25	(1.0)
olv4*	0.75	0.0	0.75	(0.0)
olv5*	0.25	1.0	0.25	1.0
cmyn4*	0.75	0.0	0.75	0.0
standard and adapted CIELAB				
LAB*LAB	62.02	-47.46	28.72	
LAB*LABa	62.02	-47.11	26.21	
LAB*LABb	62.5	53.92	150.91	
relative CIELAB lab*				
lab*lab	0.569	-0.654	0.365	
lab*tch	0.625	0.75	0.419	
lab*mch	0.0	0.75	0.419	
relative Natural Colour (NC)				
lab*trj	0.569	0.717	0.217	
lab*nce	0.0	0.75	0.453	
lab*nce	0.0	0.75	0.419	

relative Inform. Technology (IT)				
olv3*	0.0	1.0	0.0	(1.0)
olv4*	0.0	0.0	1.0	(0.0)
cmyn3*	1.0	0.0	1.0	(0.0)
cmyn4*	0.0	1.0	0.0	(1.0)
cmyn5*	1.0	0.0	1.0	0.0
standard and adapted CIELAB				
LAB*LAB	50.9	-62.95	36.7	
LAB*LABa	50.9	-62.91	34.95	
LAB*LABb	50.0	71.89	150.91	
relative CIE Lab*				
ab*lab	0.425	-0.873	0.486	
ab*tch	0.5	1.0	0.419	
ab*nch	0.0	0.0	0.419	
relative Natural Colour (NC)				
nc*nlr	0.425	-0.956	0.289	
nc*tch	0.5	1.0	0.453	
nc*nch	0.0	1.0	0.819	

relative Inform. Technology (IT)				
olv3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	56.72	0.0	0.0	
LAB*LABa	56.72	0.0	0.0	
LAB*LABb	56.72	0.0	0.0	
LAB*LABc	56.72	0.0	0.0	
LAB*LABd	56.72	0.0	0.0	
LAB*LABe	56.72	0.0	0.0	
LAB*LABf	56.72	0.0	0.0	
LAB*LABg	56.72	0.0	0.0	
LAB*LABh	56.72	0.0	0.0	
LAB*LABi	56.72	0.0	0.0	
LAB*LABj	56.72	0.0	0.0	
LAB*LABk	56.72	0.0	0.0	
LAB*LABl	56.72	0.0	0.0	
LAB*LABm	56.72	0.0	0.0	
LAB*LABn	56.72	0.0	0.0	
LAB*LABo	56.72	0.0	0.0	
LAB*LABp	56.72	0.0	0.0	
LAB*LABq	56.72	0.0	0.0	
LAB*LABr	56.72	0.0	0.0	
LAB*LABs	56.72	0.0	0.0	
LAB*LABt	56.72	0.0	0.0	
LAB*LABu	56.72	0.0	0.0	
LAB*LABv	56.72	0.0	0.0	
LAB*LABw	56.72	0.0	0.0	
LAB*LABx	56.72	0.0	0.0	
LAB*LABy	56.72	0.0	0.0	
LAB*LABz	56.72	0.0	0.0	
relative CIELAB lab*				
b*lab	0.5	0.0	0.0	
a*lab	0.5	0.0	0.0	
b*lab	0.5	0.0	0.0	
a*lab	0.5	0.0	0.0	
b*lab	0.5	0.0	0.0	
a*lab	0.5	0.0	0.0	
relative Natural Colour (NC)				
b*nc	0.5	0.0	0.0	
a*nc	0.5	0.0	0.0	
b*nc	0.5	0.0	0.0	
a*nc	0.5	0.0	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	0.25
cmyn4*	0.0	0.0	0.0	0.75
standard and adapted CIELAB				
LAB*LAB	37.36	0.13	0.83	
LAB*LABa	37.36	0.13	0.83	
LAB*TCa	25.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.25	0.0	0.0	
lab*tc	0.25	0.0	-	
lab*tc	0.75	0.0	-	
relative Natural Color (NC)				
lab*lrj	0.25	0.0	0.0	
lab*tc	0.25	0.0	-	
lab*ncE	0.75	0.0	-	

relative Inform. Technology (IT)

olv3*	0.0	0.25	0.0	(1.0)
olv3myn3*	1.0	0.75	1.0	(0.0)
olv4*	0.75	1.0	0.75	0.25
cmyn4*	0.25	0.0	0.25	0.75

standard and adapted CIE38

LAB*LAB	26.24	-15.35	8.82
LAB*LABa	26.24	-15.69	8.74
LAB*LABb	26.24	-15.69	8.74
LAB*LABc	12.5	17.97	150.91

relative CIE38 lab*

lab*lab	0.106	-0.217	0.121
lab*tch	0.125	0.25	0.419
lab*nch	0.75	0.25	0.419

relative Natural Colour (NC)

lab*nc	0.106	0.238	0.072
lab*tch	0.125	0.25	0.453
lab*nch	0.75	0.25	0.819

Input: Colorimetric Offset Reflective System ORS18

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

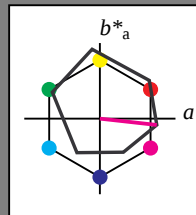
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



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*TCRa	99.99	0.01	0.0	

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	
lab*tch	0.0	1.0	0.0	
lab*nch	0.0	0.0	1.0	
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	1.0	

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*TCRa	75.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.847	0.248	-0.027	
lab*tch	0.875	0.25	0.982	
lab*nch	0.0	0.25	0.982	
relative Natural Colour (NC)				
lab*trj	0.847	0.227	-0.103	
lab*tce	0.875	0.25	0.982	
lab*nce	0.0	0.25	0.982	

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*TCRa	50.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.597	0.248	-0.027	
lab*tch	0.625	0.25	0.982	
lab*nch	0.0	0.25	0.982	
relative Natural Colour (NC)				
lab*trj	0.597	0.227	-0.103	
lab*tce	0.625	0.25	0.982	
lab*nce	0.0	0.25	0.982	

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(0.0)
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*TCRa	50.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.3	0.5	0.0	
lab*tch	0.5	0.5	0.0	
lab*nch	0.0	0.5	0.0	
relative Natural Colour (NC)				
lab*trj	0.5	0.5	0.0	
lab*tce	0.5	0.5	0.0	
lab*nce	0.0	0.5	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	0.0	0.63	
LAB*Lab	37.36	0.0	0.0	
LAB*TCRa	25.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.347	0.248	-0.027	
lab*tch	0.375	0.25	0.982	
lab*nch	0.0	0.25	0.982	
relative Natural Colour (NC)				
lab*trj	0.347	0.227	-0.103	
lab*tce	0.375	0.25	0.982	
lab*nce	0.0	0.25	0.982	

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*TCRa	25.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.347	0.248	-0.027	
lab*tch	0.375	0.25	0.982	
lab*nch	0.0	0.25	0.982	
relative Natural Colour (NC)				
lab*trj	0.347	0.227	-0.103	
lab*tce	0.375	0.25	0.982	
lab*nce	0.0	0.25	0.982	

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*TCRa	25.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.347	0.248	-0.027	
lab*tch	0.375	0.25	0.982	
lab*nch	0.0	0.25	0.982	
relative Natural Colour (NC)				
lab*trj	0.347	0.227	-0.103	
lab*tce	0.375	0.25	0.982	
lab*nce	0.0	0.25	0.982	

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	0.47	
LAB*Lab	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	0.0	

relative CIELAB lab*

lab*lab	0.097	0.248	-0.027	
lab*tch	0.125	0.25	0.982	
lab*nch	0.0	0.25	0.982	
relative Natural Colour (NC)				
lab*trj	0.097	0.227	-0.103	
lab*tce	0.125	0.25	0.982	
lab*nce	0.0	0.25	0.982	

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	0.47	
LAB*Lab	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	0.0	

relative CIELAB lab*

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

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

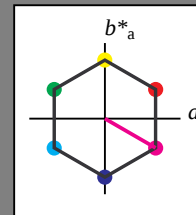
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



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	0.0	0.0	
LAB*Lab	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	0.0	

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	
lab*tch	0.0	1.0	0.0	
lab*nch	0.0	0.0	1.0	
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	1.0	

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	76.07	0.0	0.0	
LAB*Lab	76.07	0.0	0.0	
LAB*TCRa	75.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.847	0.248	-0.027	
lab*tch	0.875	0.25	0.982	
lab*nch	0.0	0.25	0.982	
relative Natural Colour (NC)				
lab*trj	0.847	0.227	-0.103	
lab*tce	0.875	0.25	0.982	
lab*nce	0.0	0.25	0.982	

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*TCRa	50.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.597	0.248	-0.027	
lab*tch	0.625	0.25	0.982	
lab*nch	0.0	0.25	0.982	
relative Natural Colour (NC)				
lab*trj	0.597	0.227	-0.103	
lab*tce	0.625	0.25	0.982	
lab*nce	0.0	0.25	0.982	

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(0.0)
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*TCRa	50.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.3	0.5	0.0	
lab*tch	0.5	0.5	0.0	
lab*nch	0.0	0.5	0.0	
relative Natural Colour (NC)				
lab*trj	0.5	0.5	0.0	
lab*tce	0.5	0.5	0.0	
lab*nce	0.0	0.5	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	0.0	0.63	
LAB*Lab	37.36	0.0	0.0	
LAB*TCRa	25.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.347	0.248	-0.027	
lab*tch	0.375	0.25	0.982	
lab*nch	0.0	0.25	0.982	
relative Natural Colour (NC)				
lab*trj	0.347	0.227	-0.103	
lab*tce	0.375	0.25	0.982	
lab*nce	0.0	0.25	0.982	

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*TCRa	25.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.347	0.248	-0.027	
lab*tch	0.375	0.25	0.982	
lab*nch	0.0	0.25	0.982	
relative Natural Colour (NC)				
lab*trj	0.347	0.227	-0.103	
lab*tce	0.375	0.25	0.982	
lab*nce	0.0	0.25	0.982	

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*TCRa	25.0	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.25	(1.0)
cmyn3*	0.75	1.0	0.75	(0.0)
olvi4*	1.0	0.75	1.0	0.25
cmyn4*	0.0	0.25	0.0	0.75

standard and adapted CIELAB

LAB*LAB	27.69	16.75	-9.66
LAB*LABa	27.69	16.75	-9.66
LAB*TChA	12.5	19.34	330.0

relative CIELAB lab*

Input: Colorimetric Offset Reflective System ORS18

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

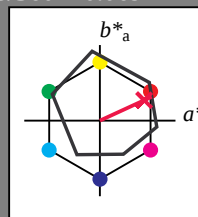
$lab \cdot tch$ and $lab \cdot nch$

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

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

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

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

1.00

0.75

$n^* = 0.00$

0.25

0.00

chromaticness c^*

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)
cmyn3*	0.0 0.0 0.0 (0.0)
cmyn3*	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	99.99 0.01 0.0
relative CIELAB lab*	
lab*lab	1.0 0.0 0.0
lab*lab	1.0 0.0 0.0
lab*lab	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*lab	1.0 0.0 0.0
lab*lab	1.0 0.0 0.0
lab*lab	0.0 0.0 0.0

relative Inform. Technology (IT)	
olv3*	1.0 0.75 0.831 (1.0)
olv3*	0.0 0.25 0.169 (0.0)
olv4*	1.0 0.75 0.831 (1.0)
olv4*	0.0 0.25 0.169 (0.0)
cmyn3*	0.0 0.25 0.169 (0.0)
cmyn3*	0.0 0.25 0.169 (0.0)
standard and adapted CIELAB	
LAB*Lab	83.55 16.38 11.84
LAB*Lab	83.55 17.14 7.88
LAB*Lab	87.5 18.86 24.69
relative CIELAB lab*	
lab*lab	0.847 0.227 0.104
lab*lab	0.875 0.25 0.069
lab*lab	0.0 0.25 0.069
relative Natural Colour (NC)	
lab*lab	0.847 0.25 0.0
lab*lab	0.875 0.25 0.0
lab*lab	0.0 0.25 0.0

relative Inform. Technology (IT)	
olv3*	1.0 0.5 0.661 (1.0)
olv3*	0.0 0.5 0.339 (0.0)
olv4*	1.0 0.5 0.661 (1.0)
olv4*	0.0 0.5 0.339 (0.0)
cmyn3*	0.0 0.5 0.339 (0.0)
cmyn3*	0.0 0.5 0.339 (0.0)
standard and adapted CIELAB	
LAB*Lab	71.7 33.75 18.92
LAB*Lab	71.7 34.28 15.76
LAB*Lab	75.0 37.73 24.7
relative CIELAB lab*	
lab*lab	0.694 0.454 0.209
lab*lab	0.75 0.5 0.069
lab*lab	0.0 0.5 0.069
relative Natural Colour (NC)	
lab*lab	0.694 0.5 0.0
lab*lab	0.75 0.5 0.0
lab*lab	0.0 0.5 0.0

relative Inform. Technology (IT)	
olv3*	1.0 0.25 0.492 (1.0)
olv3*	0.0 0.25 0.508 (0.0)
olv4*	1.0 0.25 0.492 (1.0)
olv4*	0.0 0.25 0.508 (0.0)
cmyn3*	0.0 0.25 0.508 (0.0)
cmyn3*	0.0 0.25 0.508 (0.0)
standard and adapted CIELAB	
LAB*Lab	59.85 51.12 26.01
LAB*Lab	59.85 42.25 23.65
LAB*Lab	62.5 56.6 24.7
relative CIELAB lab*	
lab*lab	0.541 0.681 0.313
lab*lab	0.625 0.75 0.069
lab*lab	0.0 0.75 0.069
relative Natural Colour (NC)	
lab*lab	0.541 0.75 0.0
lab*lab	0.625 0.75 0.0
lab*lab	0.0 0.75 0.0

relative Inform. Technology (IT)	
olv3*	1.0 0.0 0.322 (1.0)
olv3*	0.0 0.0 0.678 (0.0)
olv4*	1.0 0.0 0.322 (1.0)
olv4*	0.0 0.0 0.678 (0.0)
cmyn3*	0.0 0.0 0.678 (0.0)
cmyn3*	0.0 0.0 0.678 (0.0)
standard and adapted CIELAB	
LAB*Lab	48.0 68.48 33.09
LAB*Lab	48.0 68.56 31.53
LAB*Lab	50.0 75.47 24.7
relative CIELAB lab*	
lab*lab	0.388 0.908 0.418
lab*lab	0.5 1.0 0.069
lab*lab	0.0 1.0 0.069
relative Natural Colour (NC)	
lab*lab	0.388 1.0 0.0
lab*lab	0.5 1.0 0.0
lab*lab	0.0 1.0 0.0

relative Inform. Technology (IT)	
olv3*	0.5 0.5 0.5 (1.0)
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)
cmyn3*	0.0 0.5 0.5 (0.0)
cmyn3*	0.0 0.5 0.5 (0.0)
standard and adapted CIELAB	
LAB*Lab	56.72 0.0 0.0
LAB*Lab	56.72 0.0 0.0
LAB*Lab	50.0 0.0 0.0
relative CIELAB lab*	
lab*lab	0.5 0.5 0.0
lab*lab	0.5 0.5 0.0
lab*lab	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.5 0.5 0.0
lab*lab	0.5 0.5 0.0
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)
cmyn3*	0.0 0.25 0.25 (0.0)
cmyn3*	0.0 0.25 0.25 (0.0)
standard and adapted CIELAB	
LAB*Lab	76.06 -0.61 3.44
LAB*Lab	76.06 0.0 0.0
LAB*Lab	75.0 0.01 0.0
relative CIELAB lab*	
lab*lab	0.75 0.0 0.0
lab*lab	0.75 0.0 0.0
lab*lab	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.75 0.0 0.0
lab*lab	0.75 0.0 0.0
lab*lab	0.0 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.5 0.831 (1.0)
olv3*	0.25 0.5 0.169 (0.0)
olv4*	1.0 0.75 0.831 (1.0)
olv4*	0.0 0.25 0.169 (0.0)
cmyn3*	0.0 0.25 0.169 (0.0)
cmyn3*	0.0 0.25 0.169 (0.0)
standard and adapted CIELAB	
LAB*Lab	64.21 16.75 10.54
LAB*Lab	64.21 17.14 7.88
LAB*Lab	62.5 18.87 24.7
relative CIELAB lab*	
lab*lab	0.597 0.227 0.104
lab*lab	0.625 0.25 0.069
lab*lab	0.0 0.25 0.069
relative Natural Colour (NC)	
lab*lab	0.597 0.25 0.0
lab*lab	0.625 0.25 0.0
lab*lab	0.0 0.25 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.0 0.411 (1.0)
olv3*	0.25 0.75 0.589 (0.0)
olv4*	1.0 0.0 0.411 (1.0)
olv4*	0.0 0.75 0.589 (0.0)
cmyn3*	0.0 0.25 0.589 (0.0)
cmyn3*	0.0 0.25 0.589 (0.0)
standard and adapted CIELAB	
LAB*Lab	52.36 34.13 17.62
LAB*Lab	52.36 34.29 15.77
LAB*Lab	50.0 37.74 24.7
relative CIELAB lab*	
lab*lab	0.444 0.454 0.209
lab*lab	0.5 0.5 0.069
lab*lab	0.0 0.5 0.069
relative Natural Colour (NC)	
lab*lab	0.444 0.5 0.0
lab*lab	0.5 0.5 0.0
lab*lab	0.0 0.5 0.0

relative Inform. Technology (IT)	
olv3*	0.541 0.681 0.313
olv3*	0.625 0.75 0.069
olv4*	1.0 0.25 0.492 (1.0)
olv4*	0.0 0.25 0.508 (0.0)
cmyn3*	0.0 0.25 0.508 (0.0)
cmyn3*	0.0 0.25 0.508 (0.0)
standard and adapted CIELAB	
LAB*Lab	40.51 51.42 23.65
LAB*Lab	40.51 51.42 23.65
LAB*Lab	50.0 56.6 24.7
relative CIELAB lab*	
lab*lab	0.291 0.681 0.313
lab*lab	0.375 0.75 0.069
lab*lab	0.0 0.75 0.069
relative Natural Colour (NC)	
lab*lab	0.291 0.75 0.0
lab*lab	0.375 0.75 0.0
lab*lab	0.0 0.75 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.0 0.322 (1.0)
olv3*	0.25 0.0 0.678 (0.0)
olv4*	1.0 0.0 0.322 (1.0)
olv4*	0.0 0.0 0.678 (0.0)
cmyn3*	0.0 0.0 0.678 (0.0)
cmyn3*	0.0 0.0 0.678 (0.0)
standard and adapted CIELAB	
LAB*Lab	48.0 68.48 33.09
LAB*Lab	48.0 68.56 31.53
LAB*Lab	50.0 75.47 24.7
relative CIELAB lab*	
lab*lab	0.388 0.908 0.418
lab*lab	0.5 1.0 0.069
lab*lab	0.0 1.0 0.069
relative Natural Colour (NC)	
lab*lab	0.388 1.0 0.0
lab*lab	0.5 1.0 0.0
lab*lab	0.0 1.0 0.0

relative Inform. Technology (IT)	
olv3*	0.5 0.5 0.5 (1.0)
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)
cmyn3*	0.0 0.5 0.5 (0.0)
cmyn3*	0.0 0.5 0.5 (0.0)
standard and adapted CIELAB	
LAB*Lab	56.72 0.0 0.0
LAB*Lab	56.72 0.0 0.0
LAB*Lab	50.0 0.0 0.0
relative CIELAB lab*	
lab*lab	0.5 0.5 0.0
lab*lab	0.5 0.5 0.0
lab*lab	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.5 0.5 0.0
lab*lab	0.5 0.5 0.0
lab*lab	0.0 0.0 0.0

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)
cmyn3*	0.0 0.0 0.0 (0.0)
cmyn3*	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	25.0 0.01 0.0
relative CIELAB lab*	
lab*lab	0.25 0.0 0.0
lab*lab	0.25 0.0 0.0
lab*lab	0.0 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.25 0.0 0.0
lab*lab	0.25 0.0 0.0
lab*lab	0.0 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.5 0.831 (1.0)
olv3*	0.25 0.5 0.169 (0.0)
olv4*	1.0 0.75 0.831 (1.0)
olv4*	0.0 0.25 0.169 (0.0)
cmyn3*	0.0 0.25 0.169 (0.0)
cmyn3*	0.0 0.25 0.169 (0.0)
standard and adapted CIELAB	
LAB*Lab	44.86 16.13 9.23
LAB*Lab	44.86 17.14 7.88
LAB*Lab	37.5 18.87 24.7
relative CIELAB lab*	
lab*lab	0.347 0.227 0.104
lab*lab	0.375 0.25 0.069
lab*lab	0.0 0.25 0.069
relative Natural Colour (NC)	
lab*lab	0.347 0.25 0.0
lab*lab	0.375 0.25 0.0
lab*lab	0.0 0.25 0.0

relative Inform. Technology (IT)	
olv3*	0.5 0.0 0.161 (1.0)
olv3*	0.5 0.0 0.839 (0.0)
olv4*	1.0 0.0 0.161 (1.0)
olv4*	0.0 0.0 0.839 (0.0)
cmyn3*	0.0 0.0 0.839 (0.0)
cmyn3*	0.0 0.0 0.839 (0.0)
standard and adapted CIELAB	
LAB*Lab	33.01 34.28 15.77
LAB*Lab	33.01 34.28 15.77
LAB*Lab	25.01 37.74 24.7
relative CIELAB lab*	
lab*lab	0.194 0.454 0.209
lab*lab	0.25 0.5 0.069
lab*lab	0.0 0.5 0.069
relative Natural Colour (NC)	
lab*lab	0.194 0.5 0.0
lab*lab	0.25 0.5 0.0
lab*lab	0.0 0.5 0.0

relative Inform. Technology (IT)	
olv3*	0.291 0.681 0.313
olv3*	0.375 0.75 0.069
olv4*	1.0 0.25 0.492 (1.0)
olv4*	0.0 0.25 0.508 (0.0)
cmyn3*	0.0 0.25 0.508 (0.0)
cmyn3*	0.0 0.25 0.508 (0.0)
standard and adapted CIELAB	
LAB*Lab	40.51 51.42 23.65
LAB*Lab	40.51 51.42 23.65
LAB*Lab	50.0 56.6 24.7
relative CIELAB lab*	
lab*lab	0.291 0.681 0.313
lab*lab	0.375 0.75 0.069
lab*lab	0.0 0.75 0.069
relative Natural Colour (NC)	
lab*lab	0.291 0.75 0.0
lab*lab	0.375 0.75 0.0
lab*lab	0.0 0.75 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.0 0.322 (1.0)
olv3*	0.25 0.0 0.678 (0.0)
olv4*	1.0 0.0 0.322 (1.0)
olv4*	0.0 0.0 0.678 (0.0)
cmyn3*	0.0 0.0 0.678 (0.0)
cmyn3*	0.0 0.0 0.678 (0.0)
standard and adapted CIELAB	
LAB*Lab	48.0 68.48 33.09
LAB*Lab	48.0 68.56 31.53
LAB*Lab	50.0 75.47 24.7
relative CIELAB lab*	
lab*lab	0.388 0.908 0.418
lab*lab	0.5 1.0 0.069
lab*lab	0.0 1.0 0.069
relative Natural Colour (NC)	
lab*lab	0.388 1.0 0.0
lab*lab	0.5 1.0 0.0
lab*lab	0.0 1.0 0.0

relative <i>RGB</i>	25.0	0.0	1.0
relative <i>CIELAB lab*</i>			
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
relative <i>Natural Colour (NC)</i>			
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
relative <i>Inform. Technology (IT)</i>			
olv3*	0.5	0.5	0.5 (1.0)
olv3*	0.5	0.5	0.5 (0.0)
olv3*	1.0	1.0	1.0 (1.0)
olv3*	0.0	0.0	0.0 (0.0)
olv3*	0.0	0.0	0.0 (0.0)
cmyn3*	0.0	0.0	0.0 (0.0)
cmyn3*	0.0	0.0	0.0 (0.0)
standard and adapted <i>CIELAB</i>			
LAB*Lab	18.03	0.0	0.0
LAB*Lab	18.03	0.0	0.0
LAB*Lab	18.03	0.0	0.0

BAM material: code=rh4ta

U

Input: Colorimetric Offset Reflective System ORS18

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

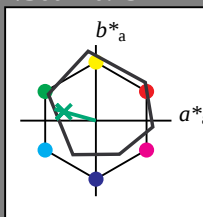
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



ORS18; adapted (a) CIELAB data

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

%Regularity

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

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

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 47.5
LAB*Lab 95.41 0.0 0.0
LAB*TCh 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)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 84.75 -14.48 7.85
LAB*Lab 84.75 -13.69 3.61
LAB*TCh 97.5 14.22 164.46

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 -0.249 0.0
lab*tce 0.875 0.25 0.457
lab*nce 0.0 0.25 0.457

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCh 75.0 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 0.0 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)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 0.25 0.25 0.25 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 -0.26 16.11
LAB*Lab 66.38 -0.26 16.11
LAB*TCh 62.5 52.79 162.23

relative CIELAB lab*
lab*lab 0.625 -0.499 0.0
lab*tch 0.625 0.25 0.457
lab*nch 0.0 0.625 0.457
relative Natural Colour (NC)
lab*trj 0.625 -0.499 0.0
lab*tce 0.625 0.25 0.457
lab*nce 0.0 0.625 0.457

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*Lab 56.71 0.0 0.0
LAB*TCh 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 0.0 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 0.0 0.5 0.5 (1.0)

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.94 -0.98 47.5
LAB*Lab 47.94 0.0 0.0
LAB*TCh 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 0.375 -0.249 0.0
lab*tch 0.375 0.25 0.457
lab*nch 0.0 0.375 0.457
relative Natural Colour (NC)
lab*trj 0.375 -0.249 0.0
lab*tce 0.375 0.25 0.457
lab*nce 0.0 0.375 0.457

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.63 0.83
LAB*Lab 37.36 0.0 0.0
LAB*TCh 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 0.0 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)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.01 -0.99 0.01
LAB*Lab 25.01 0.0 0.0
LAB*TCh 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.125 -0.125 0.0
lab*tch 0.125 0.125 0.457
lab*nch 0.0 0.125 0.457
relative Natural Colour (NC)
lab*trj 0.125 -0.125 0.0
lab*tce 0.125 0.125 0.457
lab*nce 0.0 0.125 0.457

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCh 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 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)

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

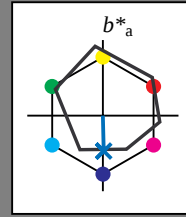
$lab \cdot tch$ and $lab \cdot nch$

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

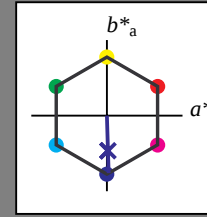
$lab \cdot tch$ and $lab \cdot nch$

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)
olv4*	0.0 0.0 0.0 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 -0.98 4.75
LAB*Lab	95.41 0.0 0.0
LAB*TCMa	99.99 0.01 0.0

relative CIELAB lab*	
lab*lab	1.0 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*trce	0.0 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	82.0 -0.45 -7.31
LAB*Lab	82.0 0.27 -11.16
LAB*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*trce	0.0 0.25 7.54

relative Inform. Technology (IT)	
olv3*	0.5 0.5 0.5 (1.0)
olv4*	0.5 0.5 0.5 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	68.6 0.07 -19.39
LAB*Lab	68.6 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*trce	0.0 0.5 7.54

relative Inform. Technology (IT)	
olv3*	0.25 0.25 0.25 (1.0)
olv4*	0.75 0.75 0.75 (0.0)
olv5*	0.0 0.0 0.0 (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	0.418 0.018 -0.749
lab*tch	0.625 0.75 7.54
lab*nch	0.0 0.75 7.54
relative Natural Colour (NC)	
lab*trj	0.418 0.0 -0.749
lab*trc	0.625 0.75 7.54
lab*trce	0.0 0.75 7.54

relative Inform. Technology (IT)	
olv3*	0.0 0.488 1.0 (0.0)
olv4*	0.0 0.488 1.0 (0.0)
olv5*	0.0 0.488 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	0.307 0.025 -0.998
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	0.307 0.0 -0.999
lab*trc	0.5 0.5 0.5 (0.0)
lab*trce	0.0 0.5 0.5 (0.0)

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	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 0.0

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

relative Inform. Technology (IT)	
olv3*	0.5 0.5 0.5 (1.0)
olv4*	0.5 0.5 0.5 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	62.65 -0.07 -8.62
LAB*Lab	62.65 0.27 -11.17
LAB*TCMa	62.5 11.18 271.41

relative CIELAB lab*	
lab*lab	0.512 0.006 -0.249
lab*tch	0.625 0.25 7.54
lab*nch	0.0 0.25 7.54
relative Natural Colour (NC)	
lab*trj	0.512 0.0 -0.249
lab*trc	0.625 0.25 7.54
lab*trce	0.0 0.25 7.54

relative Inform. Technology (IT)	
olv3*	0.25 0.25 0.25 (1.0)
olv4*	0.75 0.75 0.75 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	49.25 0.45 -20.7
LAB*Lab	49.25 0.55 -22.35
LAB*TCMa	50.0 22.36 271.41

relative CIELAB lab*	
lab*lab	0.404 0.012 -0.499
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	0.404 0.0 -0.499
lab*trc	0.5 0.5 0.5 (0.0)
lab*trce	0.0 0.5 0.5 (0.0)

relative Inform. Technology (IT)	
olv3*	0.0 0.244 0.5 (0.0)
olv4*	0.75 0.75 0.75 (0.0)
olv5*	0.0 0.244 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	43.0 0.27 -9.93
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*trce	0.0 0.25 7.54

relative Inform. Technology (IT)	
olv3*	0.0 0.244 0.5 (0.0)
olv4*	0.75 0.75 0.75 (0.0)
olv5*	0.0 0.244 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	43.0 0.27 -9.93
LAB*Lab	43.0 0.27 -11.17
LAB*TCMa	37.5 11.18 271.41

relative CIELAB lab*	
lab*lab	0.244 0.012 -0.499
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	0.244 0.0 -0.499
lab*trc	0.5 0.5 0.5 (0.0)
lab*trce	0.0 0.5 0.5 (0.0)

relative Inform. Technology (IT)	
olv3*	0.25 0.25 0.25 (1.0)
olv4*	0.75 0.75 0.75 (0.0)
olv5*	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 0.0

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

relative Inform. Technology (IT)	
olv3*	0.0 0.626 0.75 (0.0)
olv4*	0.75 0.75 0.75 (0.0)
olv5*	0.0 0.626 0.75 (0.0)
standard and adapted CIELAB	
LAB*LAB	49.25 0.45 -20.7
LAB*Lab	49.25 0.55 -22.35
LAB*TCMa	50.0 22.36 271.41

relative CIELAB lab*	
lab*lab	0.418 0.018 -0.749
lab*tch	0.625 0.75 7.54
lab*nch	0.0 0.75 7.54
relative Natural Colour (NC)	
lab*trj	0.418 0.0 -0.749
lab*trc	0.625 0.75 7.54
lab*trce	0.0 0.75 7.54

relative Inform. Technology (IT)	
olv3*	0.0 0.368 0.75 (1.0)
olv4*	0.75 0.75 0.75 (0.0)
olv5*	0.0 0.368 0.75 (1.0)
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	0.307 0.025 -0.998
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	0.307 0.0 -0.999
lab*trc	0.5 0.5 0.5 (0.0)
lab*trce	0.0 0.5 0.5 (0.0)

relative Inform. Technology (IT)	
olv3*	0.25 0.25 0.25 (1.0)
olv4*	0.75 0.75 0.75 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	47.94 0.58 -19.01
LAB*Lab	47.94 0.58 -19.01
LAB*TCMa	37.5 19.03 271.74

relative CIELAB lab*	
lab*lab	0.259 0.025 -0.249
lab*tch	0.625 0.25 7.55
lab*nch	0.0 0.25 7.55
relative Natural Colour (NC)	
lab*trj	0.625 0.0 -0.249
lab*trc	0.625 0.25 7.55
lab*trce	0.0 0.25 7.55

relative Inform. Technology (IT)	
olv3*	0.267 0.25 0.75 (1.0)
olv4*	0.75 0.75 0.75 (0.0)
olv5*	0.0 0.267 0.75 (1.0)
standard and adapted CIELAB	
LAB*LAB	56.71 1.15 -38.02
LAB*Lab	56.71 1.15 -38.02
LAB*TCMa	50.0 38.05 271.74

relative CIELAB lab*	
lab*lab	0.512 0.006 -0.249
lab*tch	0.625 0.25 7.55
lab*nch	0.0 0.25 7.55
relative Natural Colour (NC)	
lab*trj	0.512 0.0 -0.249
lab*trc	0.625 0.25 7.55
lab*trce	0.0 0.25 7.55

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	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 0.0

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

relative Inform. Technology (IT)	
olv3*	0.0 0.626 0.75 (0.0)
olv4*	0.75 0.75 0.75 (0.0)
olv5*	0.0 0.626 0.75 (0.0)
standard and adapted CIELAB	
LAB*LAB	49.25 0.45 -20.7
LAB*Lab	49.25 0.55 -22.35
LAB*TCMa	50.0 22.36 271.41

relative CIELAB lab*	
lab*lab	0.418 0.018 -0.749
lab*tch	0.625 0.75 7.54
lab*nch	0.0 0.75 7.54
relative Natural Colour (NC)	
lab*trj	0.418 0.0 -0.749
lab*trc	0.625 0.75 7.54
lab*trce	0.0 0.75 7.54

relative Inform. Technology (IT)	
olv3*	0.0 0.368 0.75 (1.0)
olv4*	0.75 0.75 0.75 (0.0)
olv5*	0.0 0.368 0.75 (1.0)
standard and adapted CIELAB	
LAB*LAB	55.19 0.61 -31.48
LAB*Lab	55.19 0.62 -33.52
LAB*TCMa	