

output: *no change compared to input*

	L	V
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Input: Colorimetric Offset Reflective System ORS18

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

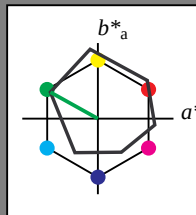
lab^*tch and lab^*nch

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
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^*

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

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Input: Colorimetric Offset Reflective System ORS18

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

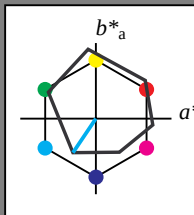
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)

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

relative Inform. Technology (IT)

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

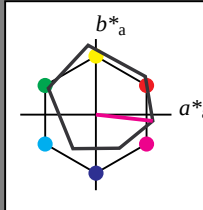
relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.75	0.75	0.75	1.0	1.0
olv5*	0.75	0.75	0.75	1.0	1.0
olv6*	0.75	0.75	0.75	1.0	1.0
olv7*	0.75	0.75	0.75	1.0	1.0
olv8*	0.75	0.75	0.75	1.0	1.0
olv9*	0.75	0.75	0.75	1.0	1.0
olv10*	0.75	0.75	0.75	1.0	1.

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^*



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)
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*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Inform. Technology (IT)
olv3* 1.0 0.75 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olv4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 83.59 18.05 1.87
LAB*LABa 83.59 18.01 -2.08
LAB*TCHa 87.5 18.93 353.66

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)
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 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.0 0.01 -

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 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olv4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 64.24 18.43 0.56
LAB*LABa 64.24 18.82 -2.08
LAB*TCHa 62.5 18.94 353.66

relative CIELAB lab*
lab*lab 0.695 0.497 -0.054
lab*tch 0.75 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*trj 0.695 0.454 -0.208
lab*tce 0.75 0.5 0.982
lab*nce 0.0 0.5 0.982

relative Inform. Technology (IT)
olv3* 0.75 0.25 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 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.597 0.227 -0.103
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* 0.75 0.25 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.42 37.64 -4.17
LAB*LABa 52.42 37.64 -4.17
LAB*TCHa 50.0 37.66 353.66

relative CIELAB lab*
lab*lab 0.445 0.454 -0.208
lab*tch 0.5 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*trj 0.445 0.454 -0.208
lab*tce 0.5 0.5 0.982
lab*nce 0.0 0.5 0.982

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)
standard and adapted CIELAB
LAB*LAB 37.36 0.03 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 -

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* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 33.07 37.84 -4.17
LAB*LABa 33.07 37.84 -4.17
LAB*TCHa 25.01 37.86 353.66

relative CIELAB lab*
lab*lab 0.292 0.454 -0.208
lab*tch 0.375 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*trj 0.292 0.454 -0.208
lab*tce 0.375 0.5 0.982
lab*nce 0.0 0.5 0.982

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (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 18.02 0.03 0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 -

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* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.54 19.17 0.04
LAB*LABa 25.54 18.81 -2.08
LAB*TCHa 12.5 18.93 353.66

relative CIELAB lab*
lab*lab 0.195 0.497 -0.054
lab*tch 0.25 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*trj 0.195 0.454 -0.208
lab*tce 0.25 0.5 0.982
lab*nce 0.0 0.5 0.982

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (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 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

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

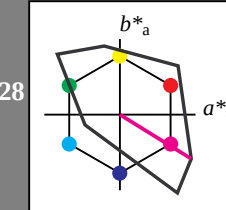
relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

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

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$
 lab^*tch and lab^*nch

D65: hue M
LCH*Ma: 57 111 328
olv*Ma: 1.0 0.0 1.0
triangle lightness t^*



TLS00; adapted (a) CIELAB data

	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	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

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Inform. Technology (IT)
olv3* 1.0 0.75 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olv4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 85.88 23.58 -14.59
LAB*LABa 85.88 23.58 -14.59
LAB*TCHa 87.5 27.73 328.24

relative CIELAB lab*
lab*lab 0.847 0.248 -0.027
lab*tch 0.875 0.25 0.912
lab*nch 0.0 0.25 0.912
relative Natural Colour (NC)
lab*trj 0.847 0.227 -0.177
lab*tce 0.875 0.25 0.912
lab*nce 0.0 0.25 0.912

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 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.0 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olv4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 62.03 23.59 -14.6
LAB*LABa 62.03 23.59 -14.6
LAB*TCHa 62.5 27.74 328.24

relative CIELAB lab*
lab*lab 0.695 0.454 -0.208
lab*tch 0.75 0.5 0.912
lab*nch 0.0 0.5 0.912
relative Natural Colour (NC)
lab*trj 0.695 0.454 -0.208
lab*tce 0.75 0.5 0.912
lab*nce 0.0 0.5 0.912

relative Inform. Technology (IT)
olv3* 0.75 0.25 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 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.597 0.227 -0.103
lab*tch 0.625 0.25 0.912
lab*nch 0.0 0.25 0.912
relative Natural Colour (NC)
lab*trj 0.597 0.227 -0.103
lab*tce 0.625 0.25 0.912
lab*nce 0.0 0.25 0.912

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.42 37.64 -4.17
LAB*LABa 52.42 37.64 -4.17
LAB*TCHa 50.0 37.66 328.23

relative CIELAB lab*
lab*lab 0.445 0.454 -0.208
lab*tch 0.5 0.5 0.912
lab*nch 0.0 0.5 0.912
relative Natural Colour (NC)
lab*trj 0.445 0.454 -0.208
lab*tce 0.5 0.5 0.912
lab*nce 0.0 0.5 0.912

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)
standard and adapted CIELAB
LAB*LAB 37.36 0.03 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.347 0.248 -0.027
lab*tch 0.375 0.25 0.912
lab*nch 0.0 0.25 0.912
relative Natural Colour (NC)
lab*trj 0.347 0.227 -0.177
lab*tce 0.375 0.25 0.912
lab*nce 0.0 0.25 0.912

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 33.07 37.84 -4.17
LAB*LABa 33.07 37.84 -4.17
LAB*TCHa 25.01 37.86 328.23

relative CIELAB lab*
lab*lab 0.292 0.454 -0.208
lab*tch 0.375 0.5 0.912
lab*nch 0.0 0.5 0.912
relative Natural Colour (NC)
lab*trj 0.292 0.454 -0.208
lab*tce 0.375 0.5 0.912
lab*nce 0.0 0.5 0.912

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (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 18.02 0.03 0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.097 0.248 -0.027
lab*tch 0.125 0.25 0.912
lab*nch 0.0 0.25 0.912
relative Natural Colour (NC)
lab*trj 0.097 0.227 -0.177
lab*tce 0.125 0.25 0.912
lab*nce 0.0 0.25 0.912

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.54 19.17 0.04
LAB*LABa 25.54 18.81 -2.08
LAB*TCHa 12.5 18.93 328.24

relative CIELAB lab*
lab*lab 0.195 0.497 -0.054
lab*tch 0.25 0.5 0.912
lab*nch 0.0 0.5 0.912
relative Natural Colour (NC)
lab*trj 0.195 0.454 -0.208
lab*tce 0.25 0.5 0.912
lab*nce 0.0 0.5 0.912

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (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 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (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 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

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

Input: Colorimetric Offset Reflective System ORS18

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

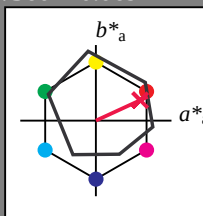
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



$u^*_{rel} = 93$

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 95.41 -0.98 47.5
LAB*LABa 95.41 0.0 0.0
LAB*TCa 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*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* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 34.44
LAB*LABa 76.06 0.0 0.0
LAB*TCa 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.847 0.227 0.104
lab*tch 0.875 0.25 0.069
lab*nch 0.0 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.847 0.25 0.0
lab*tce 0.875 0.25 0.0
lab*nce 0.0 0.25 0.069

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 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCa 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.597 0.227 0.104
lab*tch 0.625 0.25 0.069
lab*nch 0.25 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.597 0.25 0.0
lab*tce 0.625 0.25 0.0
lab*nce 0.25 0.25 0.069

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)
standard and adapted CIELAB
LAB*LAB 37.36 -0.03 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.347 0.227 0.104
lab*tch 0.375 0.25 0.069
lab*nch 0.75 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.347 0.25 0.0
lab*tce 0.375 0.25 0.0
lab*nce 0.75 0.25 0.069

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)
standard and adapted CIELAB
LAB*LAB 37.36 -0.03 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.347 0.227 0.104
lab*tch 0.375 0.25 0.069
lab*nch 0.75 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.347 0.25 0.0
lab*tce 0.375 0.25 0.0
lab*nce 0.75 0.25 0.069

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)
standard and adapted CIELAB
LAB*LAB 37.36 -0.03 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.347 0.227 0.104
lab*tch 0.375 0.25 0.069
lab*nch 0.75 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.347 0.25 0.0
lab*tce 0.375 0.25 0.0
lab*nce 0.75 0.25 0.069

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)
standard and adapted CIELAB
LAB*LAB 37.36 -0.03 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.347 0.227 0.104
lab*tch 0.375 0.25 0.069
lab*nch 0.75 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.347 0.25 0.0
lab*tce 0.375 0.25 0.0
lab*nce 0.75 0.25 0.069

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)
standard and adapted CIELAB
LAB*LAB 37.36 -0.03 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.347 0.227 0.104
lab*tch 0.375 0.25 0.069
lab*nch 0.75 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.347 0.25 0.0
lab*tce 0.375 0.25 0.0
lab*nce 0.75 0.25 0.069

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)
standard and adapted CIELAB
LAB*LAB 37.36 -0.03 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.347 0.227 0.104
lab*tch 0.375 0.25 0.069
lab*nch 0.75 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.347 0.25 0.0
lab*tce 0.375 0.25 0.0
lab*nce 0.75 0.25 0.069

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)
standard and adapted CIELAB
LAB*LAB 37.36 -0.03 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.347 0.227 0.104
lab*tch 0.375 0.25 0.069
lab*nch 0.75 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.347 0.25 0.0
lab*tce 0.375 0.25 0.0
lab*nce 0.75 0.25 0.069

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 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (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 71.7 33.75 18.92
LAB*LABa 71.7 34.28 15.76
LAB*TCa 75.0 37.73 24.7

relative CIELAB lab*
lab*lab 0.694 0.454 0.209
lab*tch 0.75 0.5 0.069
lab*nch 0.0 0.5 0.069
relative Natural Colour (NC)
lab*trj 0.694 0.5 0.0
lab*tce 0.75 0.5 0.0
lab*nce 0.0 0.5 0.069

relative Inform. Technology (IT)
olv3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 59.85 51.12 26.01
LAB*LABa 59.85 42.32 23.65
LAB*TCa 62.5 56.6 24.7

relative CIELAB lab*
lab*lab 0.541 0.681 0.313
lab*tch 0.625 0.75 0.069
lab*nch 0.0 0.75 0.069
relative Natural Colour (NC)
lab*trj 0.541 0.75 0.0
lab*tce 0.625 0.75 0.0
lab*nce 0.0 0.75 0.069

relative Inform. Technology (IT)
olv3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 48.0 68.48 33.09
LAB*LABa 48.0 68.56 31.53
LAB*TCa 50.0 75.47 24.7

relative CIELAB lab*
lab*lab 0.388 0.908 0.418
lab*tch 0.5 1.0 0.069
lab*nch 0.0 1.0 0.069
relative Natural Colour (NC)
lab*trj 0.388 1.0 0.0
lab*tce 0.5 1.0 0.0
lab*nce 0.0 1.0 0.069

relative Inform. Technology (IT)
olv3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 40.51 51.49 24.71
LAB*LABa 40.51 51.42 23.65
LAB*TCa 37.51 56.6 24.7

relative CIELAB lab*
lab*lab 0.291 0.681 0.313
lab*tch 0.375 0.75 0.069
lab*nch 0.25 0.75 0.069
relative Natural Colour (NC)
lab*trj 0.291 0.75 0.0
lab*tce 0.375 0.75 0.0
lab*nce 0.25 0.75 0.069

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 33.01 34.49 16.37
LAB*LABa 33.01 34.28 15.77
LAB*TCa 25.01 37.73 24.7

relative CIELAB lab*
lab*lab 0.194 0.454 0.209
lab*tch 0.25 0.5 0.069
lab*nch 0.5 0.5 0.069
relative Natural Colour (NC)
lab*trj 0.194 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.5 0.5 0.069

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.25 (0.0)
olv4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 25.49 17.49 7.92
LAB*LABa 25.51 17.14 7.89
LAB*TCa 12.5 18.86 24.71

relative CIELAB lab*
lab*lab 0.097 0.227 0.104
lab*tch 0.125 0.25 0.069
lab*nch 0.75 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.097 0.25 0.0
lab*tce 0.125 0.25 0.0
lab*nce 0.75 0.25 0.069

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.25 (0.0)
olv4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCa 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.25 (0.0)
olv4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCa 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.25 (0.0)
olv4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCa 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

Output: Colorimetric Television Luminous System TLS00

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

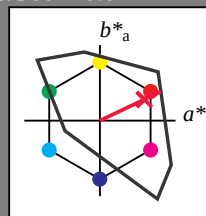
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

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 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCa 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*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* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.886 0.226 0.107
lab*tch 0.875 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.886 0.25 0.0
lab*tce 0.875 0.25 0.0
lab*nce 0.0 0.25 0.071

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 60.69 20.16 9.6
LAB*LABa 60.69 20.16 9.6
LAB*TCa 62.5 22.33 25.48

relative CIELAB lab*
lab*lab 0.636 0.226 0.108
lab*tch 0.625 0.25 0.071
lab*nch 0.25 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.636 0.25 0.0
lab*tce 0.625 0.25 0.0
lab*nce 0.25 0.25 0.071

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 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*TCa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 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* 0.75 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 36.84 20.16 9.6
LAB*LABa 36.84 20.16 9.6
LAB*TCa 37.5 22.33 25.48

relative CIELAB lab*
lab*lab 0.376 0.226 0.108
lab*tch 0.375 0.25 0.071
lab*nch 0.75 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.376 0.25 0.0
lab*tce 0.375 0.25 0.0
lab*nce 0.75 0.25 0.071

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)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*TCa 25.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.25 (0.0)
olv4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 13.0 20.15 9.61
LAB*LABa 13.0 20.15 9.61
LAB*TCa 12.5 22.32 25.5

relative CIELAB lab*
lab*lab 0.136 0.226 0.108
lab*tch 0.125 0.25 0.071
lab*nch 0.75 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.136 0.25 0.0
lab*tce 0.125 0.25 0.0
lab*nce 0.75 0.25 0.071

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.25 (0.0)
olv4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 13.0 20.15 9.61
LAB*LABa 13.0 20.15 9.61
LAB*TCa 12.5 22.32 25.5

relative CIELAB lab*
lab*lab 0.136 0.226 0.108
lab*tch 0.125 0.25 0.071
lab*nch 0.75 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.136 0.25 0.0
lab*tce 0.125 0.25 0.0
lab*nce 0.75 0.25 0.071

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.25 (0.0)
olv4* 1.0 0.25 0.25 (1.0)
cmyn4*

Input: Colorimetric Offset Reflective System ORS18

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

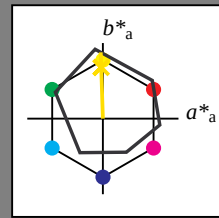
lab^*tch and lab^*nch

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
RC _{IE}	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
BC _{IE}	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)
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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	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 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

relative Natural Colour (NC)

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

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	93.1	-1.64	26.52
LAB*Lab	93.1	0.0	0.0
LAB*Lab	93.1	0.0	0.0

relative CIELAB lab*

lab*lab	0.97	0.0007	0.25
lab*lab	0.875	0.25	0.255
lab*lab	0.0	0.25	0.255

relative Natural Colour (NC)

lab*trj	0.97	0.0	0.25
lab*trj	0.875	0.25	0.255
lab*trj	0.0	0.25	0.255

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(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)
olv5*	1.0	1.0	1.0	(1.0)
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*Lab	76.06	0.0	0.0

relative CIELAB lab*

lab*lab	0.94	-0.015	0.5
lab*lab	0.75	0.0	0.5
lab*lab	0.0	0.5	0.255

relative Natural Colour (NC)

lab*trj	0.94	0.0	0.5
lab*trj	0.75	0.0	0.5
lab*trj	0.0	0.5	0.255

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(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)
olv5*	1.0	1.0	1.0	(1.0)
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*Lab	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.91	-0.023	0.5
lab*lab	0.75	0.0	0.5
lab*lab	0.0	0.5	0.255

relative Natural Colour (NC)

lab*trj	0.91	0.0	0.5
lab*trj	0.75	0.0	0.5
lab*trj	0.0	0.5	0.255

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(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)
olv5*	1.0	1.0	1.0	(1.0)
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*Lab	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.91	-0.023	0.5
lab*lab	0.75	0.0	0.5
lab*lab	0.0	0.5	0.255

relative Natural Colour (NC)

lab*trj	0.91	0.0	0.5
lab*trj	0.75	0.0	0.5
lab*trj	0.0	0.5	0.255

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(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)
olv5*	1.0	1.0	1.0	(1.0)
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*Lab	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.91	-0.023	0.5
lab*lab	0.75	0.0	0.5
lab*lab	0.0	0.5	0.255

relative Natural Colour (NC)

lab*trj	0.91	0.0	0.5
lab*trj	0.75	0.0	0.5
lab*trj	0.0	0.5	0.255

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(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)
olv5*	1.0	1.0	1.0	(1.0)
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*Lab	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.91	-0.023	0.5
lab*lab	0.75	0.0	0.5
lab*lab	0.0	0.5	0.255

relative Natural Colour (NC)

lab*trj	0.91	0.0	0.5
lab*trj	0.75	0.0	0.5
lab*trj	0.0	0.5	0.255

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(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)
olv5*	1.0	1.0	1.0	(1.0)
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*Lab	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.91	-0.023	0.5
lab*lab	0.75	0.0	0.5
lab*lab	0.0	0.5	0.255

relative Natural Colour (NC)

lab*trj	0.91	0.0	0.5
lab*trj	0.75	0.0	0.5
lab*trj	0.0	0.5	0.255

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(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)
olv5*	1.0	1.0	1.0	(1.0)
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*Lab	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.91	-0.023	0.5
lab*lab	0.75	0.0	0.5
lab*lab	0.0	0.5	0.255

relative Natural Colour (NC)

lab*trj	0.91	0.0	0.5
lab*trj	0.75	0.0	0.5
lab*trj	0.0	0.5	0.255

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(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)
olv5*	1.0	1.0	1.0	(1.0)
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*Lab	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.91	-0.023	0.5
lab*lab	0.75	0.0	0.5
lab*lab	0.0	0.5	0.255

relative Natural Colour (NC)

lab*trj	0.91	0.0	0.5
lab*trj	0.75	0.0	0.5
lab*trj	0.0	0.5	0.255

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(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)
olv5*	1.0	1.0	1.0	(1.0)
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*Lab	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.91	-0.023	0.5
lab*lab	0.75	0.0	0.5
lab*lab	0.0	0.5	0.255

relative Natural Colour (NC)

lab*trj	0.91	0.0	0.5
lab*trj	0.75	0.0	0.5
lab*trj	0.0	0.5	0.255

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

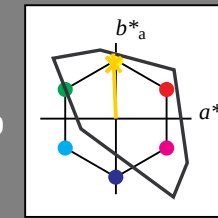
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RC _{IE}	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
BC _{IE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

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)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	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

= 158

R _{CIE}	39.9
J _{CIE}	81.2
G _{CIE}	52.2
B _{CIE}	30.5

Input: Colorimetric Offset Reflective System ORS18

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

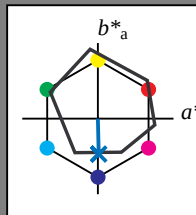
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



% 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)
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)
olv5*	1.0	1.0	1.0	(1.0)
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*LAB	95.41	0.0	0.0	
LAB*LAB	95.41	0.0	0.0	

relative Inform. Technology (IT)				
olv3*	0.75	0.872	1.0	(1.0)
olv3*	0.0	0.128	0.0	(0.0)
olv4*	0.75	0.872	1.0	(1.0)
olv4*	0.0	0.128	0.0	(0.0)
olv5*	0.75	0.872	1.0	(1.0)
olv5*	0.0	0.128	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*LAB	82.0	0.27	-11.16	
LAB*LAB	82.0	0.27	-11.16	

relative Inform. Technology (IT)				
olv3*	0.5	0.744	1.0	(1.0)
olv3*	0.0	0.256	0.0	(0.0)
olv4*	0.5	0.744	1.0	(1.0)
olv4*	0.0	0.256	0.0	(0.0)
olv5*	0.5	0.744	1.0	(1.0)
olv5*	0.0	0.256	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*LAB	68.6	0.55	-22.34	
LAB*LAB	68.6	0.55	-22.34	

relative Inform. Technology (IT)				
olv3*	0.25	0.616	1.0	(1.0)
olv3*	0.0	0.384	0.0	(0.0)
olv4*	0.25	0.616	1.0	(1.0)
olv4*	0.0	0.384	0.0	(0.0)
olv5*	0.25	0.616	1.0	(1.0)
olv5*	0.0	0.384	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*LAB	55.19	0.62	-33.52	
LAB*LAB	55.19	0.62	-33.52	

relative Inform. Technology (IT)				
olv3*	0.0	0.368	0.75	(1.0)
olv3*	0.0	0.632	0.25	(0.0)
olv4*	0.0	0.368	0.75	(1.0)
olv4*	0.0	0.632	0.25	(0.0)
olv5*	0.0	0.368	0.75	(1.0)
olv5*	0.0	0.632	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	49.25	0.45	-20.7	
LAB*LAB	49.25	0.55	-22.35	
LAB*LAB	49.25	0.55	-22.35	
LAB*LAB	49.25	0.55	-22.35	

relative Inform. Technology (IT)				
olv3*	0.0	0.244	0.5	(1.0)
olv3*	0.0	0.756	0.5	(0.0)
olv4*	0.0	0.244	0.5	(1.0)
olv4*	0.0	0.756	0.5	(0.0)
olv5*	0.0	0.244	0.5	(1.0)
olv5*	0.0	0.756	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	42.55	0.14	-43.55	
LAB*LAB	42.55	0.14	-43.55	
LAB*LAB	42.55	0.14	-43.55	
LAB*LAB	42.55	0.14	-43.55	

relative Inform. Technology (IT)				
olv3*	0.0	0.108	0.25	(1.0)
olv3*	0.0	0.892	0.75	(0.0)
olv4*	0.0	0.108	0.25	(1.0)
olv4*	0.0	0.892	0.75	(0.0)
olv5*	0.0	0.108	0.25	(1.0)
olv5*	0.0	0.892	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	41.79	0.14	-43.55	
LAB*LAB	41.79	0.14	-43.55	
LAB*LAB	41.79	0.14	-43.55	
LAB*LAB	41.79	0.14	-43.55	

relative Inform. Technology (IT)				
olv3*	0.0	0.048	0.1	(1.0)
olv3*	0.0	0.952	0.9	(0.0)
olv4*	0.0	0.048	0.1	(1.0)
olv4*	0.0	0.952	0.9	(0.0)
olv5*	0.0	0.048	0.1	(1.0)
olv5*	0.0	0.952	0.9	(0.0)
standard and adapted CIELAB				
LAB*LAB	40.72	0.04	-43.55	
LAB*LAB	40.72	0.04	-43.55	
LAB*LAB	40.72	0.04	-43.55	
LAB*LAB	40.72	0.04	-43.55	

relative Inform. Technology (IT)				
olv3*	0.0	0.008	0.025	(1.0)
olv3*	0.0	0.992	0.975	(0.0)
olv4*	0.0	0.008	0.025	(1.0)
olv4*	0.0	0.992	0.975	(0.0)
olv5*	0.0	0.008	0.025	(1.0)
olv5*	0.0	0.992	0.975	(0.0)
standard and adapted CIELAB				
LAB*LAB	40.07	0.03	-43.55	
LAB*LAB	40.07	0.03	-43.55	
LAB*LAB	40.07	0.03	-43.55	
LAB*LAB	40.07	0.03	-43.55	

relative Inform. Technology (IT)				
olv3*	0.0	0.003	0.0075	(1.0)
olv3*	0.0	0.997	0.9925	(0.0)
olv4*	0.0	0.003	0.0075	(1.0)
olv4*	0.0	0.997	0.9925	(0.0)
olv5*	0.0	0.003	0.0075	(1.0)
olv5*	0.0	0.997	0.9925	(0.0)
standard and adapted CIELAB				
LAB*LAB	39.92	0.03	-43.55	
LAB*LAB	39.92	0.03	-43.55	
LAB*LAB	39.92	0.03	-43.55	
LAB*LAB	39.92	0.03	-43.55	

relative Inform. Technology (IT)				
olv3*	0.0	0.0005	0.00075	(1.0)
olv3*	0.0	0.9995	0.99925	(0.0)
olv4*	0.0	0.0005	0.00075	(1.0)
olv4*	0.0	0.9995	0.99925	(0.0)
olv5*	0.0	0.0005	0.00075	(1.0)
olv5*	0.0	0.9995	0.99925	(0.0)
standard and adapted CIELAB				
LAB*LAB	39.92	0.03	-43.55	
LAB*LAB	39.92	0.03	-43.55	
LAB*LAB	39.92	0.03	-43.55	
LAB*LAB	39.92	0.03	-43.55	

relative Inform. Technology (IT)				
olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.75	0.75	0.75	(0.0)
olv4*	0.25	0.25	0.25	(1.0)
olv4*	0.75	0.75	0.75	(0.0)
olv5*	0.25	0.25	0.25	(1.0)
olv5*	0.75	0.75	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.36	0.03	-43.55	
LAB*LAB	37.36	0.03	-43.55	
LAB*LAB	37.36	0.03	-43.55	
LAB*LAB	37.36	0.03	-43.55	

relative Inform. Technology (IT)				
olv3*	0.0	0.327	0.006	-0.249
olv3*	0.0	0.673	0.994	0.754
olv4*	0.0	0.327	0.006	-0.249
olv4*	0.0	0.673	0.994	0.754
olv5*	0.0	0.327	0.006	-0.249
olv5*	0.0	0.673	0.994	0.754
standard and adapted CIELAB				
LAB*LAB	37.36	0.03	-43.55	
LAB*LAB	37.36	0.03	-43.55	
LAB*LAB	37.36	0.03	-43.55	
LAB*LAB	37.36	0.03	-43.55	

relative Inform. Technology (IT)				
olv3*	0.0	0.244	0.5	(1.0)
olv3*	0.0	0.756	0.5	(0.0)
olv4*	0.0	0.244	0.5	(1.0)
olv4*	0.0	0.756	0.5	(0.0)
olv5*	0.0	0.244	0.5	(1.0)
olv5*	0.0	0.756	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	29.9	0.55	-22.34	
LAB*LAB	29.9	0.55	-22.34	
LAB*LAB	29.9	0.55	-22.34	
LAB*LAB	29.9	0.55	-22.34	

relative Inform. Technology (IT)				
olv3*	0.0	0.108	0.25	(1.0)
olv3*	0.0	0.892	0.75	(0.0)
olv4*	0.0	0.108	0.25	(1.0)
olv4*	0.0	0.892	0.75	(0.0)
olv5*	0.0	0.108	0.25	(1.0)
olv5*	0.0	0.892	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	29.9	0.55	-22.34	
LAB*LAB	29.9	0.55	-22.34	
LAB*LAB	29.9	0.55	-22.34	
LAB*LAB	29.9	0.55	-22.34	

relative Inform. Technology (IT)				
olv3*	0.0	0.048	0.1	(1.0)
olv3*	0.0	0.952	0.9	(0.0)
olv4*	0.0	0.048	0.1	(1.0)
olv4*	0.0	0.952	0.9	(0.0)
olv5*	0.0	0.048	0.1	(1.0)
olv5*	0.0	0.952	0.9	(0.0)
standard and adapted CIELAB				
LAB*LAB	29.9	0.55	-22.34	
LAB*LAB	29.9	0.55	-22.34	
LAB*LAB	29.9	0.55	-22.34	
LAB*LAB	29.9	0.55	-22.34	

relative Inform. Technology (IT)				
olv3*	0.0	0.008	0.025	(1.0)
olv3*	0.0	0.992	0.975	(0.0)
olv4*	0.0	0.008	0.025	(1.0)
olv4*	0.0	0.992	0.975	(0.0)
olv5*	0.0	0.008	0.025	(1.0)
olv5*	0.0	0.992	0.975	(0.0)
standard and adapted CIELAB				
LAB*LAB	29.9	0.55	-22.34	
LAB*LAB	29.9	0.55	-22.34	
LAB*LAB	29.9	0.55	-22.34	
LAB*LAB	29.9	0.55	-22.34	

relative Inform. Technology (IT)				
olv3*	0.0	0.0005	0.00075	(1.0)
olv3*	0.0	0.9995	0.99925	(0.0)
olv4*	0.0	0.0005	0.00075	(1.0)
olv4*	0.0	0.9995	0.99925	(0.0)
olv5*	0.0	0.0005	0.00075	(1.0)
olv5*	0.0	0.9995	0.99925	(0.0)
standard and adapted CIELAB				
LAB*LAB	29.9	0.55	-22.34	
LAB*LAB	29.9	0.55	-22.34	
LAB*LAB	29.9	0.55	-22.34	
LAB*LAB	29.9	0.55	-22.34	

relative Inform. Technology (IT)				
olv3*	0.0	0.0005	0.00075	(1.0)
olv3*	0.0	0.9995	0.99925	(0.0)
olv4*	0.0	0.0005	0.00075	(1.0)
olv4*	0.0	0.9995	0.99925	(0.0)
olv5*	0.0	0.0005	0.00075	(1.0)
olv5*	0.0	0.9995	0.99925	(0.0)
standard and adapted CIELAB				
LAB*LAB	29.9	0.55	-22.34	
LAB*LAB	29.9	0.55	-22.34	
LAB*LAB	29.9	0.55	-22.34	
LAB*LAB	29.9	0.55	-22.34	

compared to				