

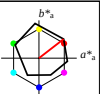
Input: Colorimetric Offset Reflective System ORS18

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

$u^*_{rel} = 93$

% Regularity

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

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

relative Inform. Technology (IT)			
olv3*	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0
olv4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	95.41	-0.98	4.75
LAB*LABo	95.41	0.0	0.0
LAB*Lab	95.41	0.0	0.0
relative CIELAB lab*			
lab*lab	1.0	0.5	0.5
lab*tch	1.0	0.0	0.0
lab*nch	1.0	0.0	0.0
relative Natural Colour (NC)			
lab*lrj	1.0	0.0	0.0
lab*nce	1.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)			
olv3*	0.5	0.5	0.5
cmyn3*	0.0	0.0	0.0
olv4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	56.71	-0.24	2.14
LAB*LABo	56.71	0.0	0.0
LAB*Lab	56.71	0.0	0.0
relative CIELAB lab*			
lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	0.0
lab*nch	0.5	0.0	0.0
relative Natural Colour (NC)			
lab*lrj	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)			
olv3*	1.0	0.5	0.5
cmyn3*	0.0	0.5	0.5
olv4*	1.0	0.0	0.0
cmyn4*	0.0	0.5	0.5
standard and adapted CIELAB			
LAB*LAB	71.67	32.15	28.41
LAB*LABo	71.67	32.69	25.25
LAB*Lab	71.67	32.69	25.25
relative CIELAB lab*			
lab*lab	1.0	0.5	0.5
lab*tch	0.5	0.0	0.0
lab*nch	0.5	0.0	0.0
relative Natural Colour (NC)			
lab*lrj	0.693	0.477	0.15
lab*nce	0.75	0.5	0.048
lab*nce	0.0	0.5	0.191

relative Inform. Technology (IT)			
olv3*	0.5	0.0	0.0
cmyn3*	0.0	0.0	0.0
olv4*	1.0	0.5	0.5
cmyn4*	0.0	0.5	0.5
standard and adapted CIELAB			
LAB*LAB	32.98	32.9	25.8
LAB*LABo	32.98	32.69	25.25
LAB*Lab	32.98	32.69	25.25
relative CIELAB lab*			
lab*lab	0.193	0.396	0.306
lab*tch	0.25	0.5	0.105
lab*nch	0.5	1.0	0.105
relative Natural Colour (NC)			
lab*lrj	0.193	0.477	0.15
lab*nce	0.75	0.5	0.048
lab*nce	0.0	0.5	0.191

relative Inform. Technology (IT)			
olv3*	0.5	0.0	0.0
cmyn3*	0.0	0.0	0.0
olv4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	18.02	0.5	-0.47
LAB*LABo	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*tch	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0
relative Natural Colour (NC)			
lab*lrj	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0

relative Inform. Technology (IT)			
olv3*	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0
olv4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	18.02	0.5	-0.47
LAB*LABo	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*tch	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0
relative Natural Colour (NC)			
lab*lrj	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0

relative Inform. Technology (IT)			
olv3*	0.0	0.0	0.0
cmyn3*	0.0	0.0	0.0
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cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
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lab*nch	1.0	0.0	0.0
relative Natural Colour (NC)			
lab*lrj	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0
lab*nce	1.0	0.0	0.0

relative Inform. Technology (IT)			
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standard and adapted CIELAB			
LAB*LAB	18.02	0.5	-0.47
LAB*LABo	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*tch	0.0	0.0	0.0
lab*nch	1.0	0.0	0.0
relative Natural Colour (NC)			
lab*lrj	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0
lab*nce	1.0	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

triangle lightness t^*

% Gamut

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relative CIELAB lab*			
lab*lab	1.0	0.5	0.5
lab*tch	0.5	0.0	0.0
lab*nch	0.5	0.0	0.0
relative Natural Colour (NC)			
lab*lrj	0.693	0.477	0.15
lab*nce	0.75	0.5	0.048
lab*nce	0.0	0.5	0.191

LAB*LABa	47.94	65.37	50.51
LAB*TCha	50.0	82.61	37.1
relative CIELAB lab*			
lab*lab	0.387	0.791	0.611
lab*tch	0.5	1.0	0.105
lab*nch	0.0	1.0	0.105
relative Natural Colour (NC)			
lab*lrj	0.387	0.954	0.299
lab*tce	0.5	1.0	0.048
lab*nce	0.0	1.0	0.048