

Input: Colorimetric Offset Reflective System ORS18

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

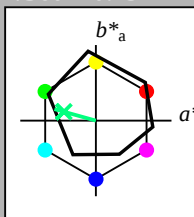
lab^*tch and lab^*nch

A: 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^*_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)
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*LAB 99.99 0.01 0.0

relative Inform. Technology (IT)
olv3* 0.75 1.0 0.812 (1.0)
cmyn3* 0.25 0.0 0.388 (0.0)
olv4* 0.75 1.0 0.812 (1.0)
cmyn4* 0.25 0.0 0.388 (0.0)
standard and adapted CIELAB
LAB*LAB 84.75 -14.48 7.85
LAB*LAB 84.75 -13.69 3.81
LAB*LAB 87.5 14.22 164.46

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.623 (1.0)
cmyn3* 0.5 0.0 0.377 (0.0)
olv4* 0.5 1.0 0.623 (1.0)
cmyn4* 0.5 0.0 0.377 (0.0)
standard and adapted CIELAB
LAB*LAB 74.1 -27.98 10.94
LAB*LAB 74.1 -27.4 7.62
LAB*LAB 75.0 28.45 164.46

relative Inform. Technology (IT)
olv3* 0.25 1.0 0.435 (1.0)
cmyn3* 0.25 0.0 0.565 (0.0)
olv4* 0.25 1.0 0.435 (1.0)
cmyn4* 0.25 0.0 0.565 (0.0)
standard and adapted CIELAB
LAB*LAB 63.45 -41.11 11.44
LAB*LAB 63.45 -41.11 11.44
LAB*LAB 62.5 42.68 164.45

relative Inform. Technology (IT)
olv3* 0.0 1.0 0.246 (1.0)
cmyn3* 0.0 0.0 0.754 (0.0)
olv4* 0.0 1.0 0.246 (1.0)
cmyn4* 0.0 0.0 0.754 (0.0)
standard and adapted CIELAB
LAB*LAB 52.8 -54.81 15.26
LAB*LAB 52.8 -54.81 15.26
LAB*LAB 50.0 56.91 164.45

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.0 (0.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olv4* 0.0 0.5 0.0 (0.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 44.11 -41.11 12.74
LAB*LAB 44.11 -41.11 12.74
LAB*LAB 42.5 46.99 164.45

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.0 (0.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olv4* 0.0 0.25 0.0 (0.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 7.63
LAB*LAB 35.41 -27.24 7.63
LAB*LAB 32.5 46.99 164.45

relative Inform. Technology (IT)
olv3* 0.0 0.125 0.0 (0.0)
cmyn3* 0.0 0.125 0.0 (0.0)
olv4* 0.0 0.125 0.0 (0.0)
cmyn4* 0.0 0.125 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 26.71 -13.7 3.82
LAB*LAB 26.71 -13.7 3.82
LAB*LAB 25.0 16.43

relative Inform. Technology (IT)
olv3* 0.0 0.0625 0.0 (0.0)
cmyn3* 0.0 0.0625 0.0 (0.0)
olv4* 0.0 0.0625 0.0 (0.0)
cmyn4* 0.0 0.0625 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.47
LAB*LAB 18.02 18.02 0.47
LAB*LAB 15.0 0.01

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

RE500-7, 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 RE50; Colorimetric systems ORS18 & TLS00

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

input: $olv^* setrgbcolor$

output: $olv^* setrgbcolor / w^* setgray$

