

Input: Colorimetric Reflective System NRS11

for hue $h^* = \text{lab}^*h = 24/360 = 0.067$

lab^*ch and lab^*nh

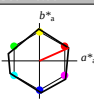
D65: hue R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1.00



NRS11; adapted (a) CIELAB data						
L^*	a^*	b^*	C^*	h^*	ab^*	
R _{Ma}	53.2	77.06	34.32	84.36	24	
J _{Ma}	53.2	-1.51	84.38	84.39	91	
G _{Ma}	53.2	-82.27	18.98	84.44	167	
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203	
B _{Ma}	53.2	43.77	-84.28	84.41	273	
B50G _{Ma}	53.2	69.09	-48.41	84.37	325	
N _{Ma}	109.9	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
R _{CIE}	39.92	58.69	27.98	65.01	25	
J _{CIE}	81.26	-2.9	71.56	71.62	92	
G _{CIE}	52.23	-42.45	13.59	44.59	162	
B _{CIE}	30.57	1.35	-46.48	46.51	272	

%Regularity

$g^*H_{rel} = 47$

$g^*C_{rel} = 100$

0.75

0.50

0.25

0.00

0.25

0.50

0.75

1.00

chromaticness c^*

blackness n^*

$n^* = 1.0$

$n^* = 0.0$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

Output: Colorimetric Reflective System ORS18

for hue $h^* = \text{lab}^*h = 38/360 = 0.105$

lab^*ch and lab^*nh

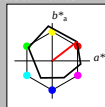
D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1.00



ORS18; adapted (a) CIELAB data						
L^*	a^*	b^*	C^*	h^*	ab^*	
O _{Ma}	47.94	65.37	50.52	82.62	38	
Y _{Ma}	90.37	-10.27	91.77	92.34	96	
L _{Ma}	50.9	-62.79	34.95	71.87	151	
C _{Ma}	58.62	-30.35	-45.01	54.3	236	
V _{Ma}	25.71	31.11	-44.42	54.24	305	
M _{Ma}	48.13	75.27	-8.35	75.73	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	64.56	25	
J _{CIE}	81.26	-2.17	67.76	67.79	92	
G _{CIE}	52.23	-42.26	11.75	43.87	164	
B _{CIE}	30.57	1.15	-46.84	46.87	271	

%Regularity

$g^*H_{rel} = 57$

$g^*C_{rel} = 59$

0.75

0.50

0.25

0.00

0.25

0.50

0.75

1.00

chromaticness c^*

blackness n^*

$n^* = 1.0$

$n^* = 0.0$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

TE47-0-7, 5 step scales for constant CIELAB hue 24/360 = 0.067 (left)

BAM-test chart TE47; Colorimetric systems NRS11 & ORS18

D65: 5 step colour scales and coordinate data for 10 hues

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

input: `olv* setrgbcolor`

output: `olv* setrgbcolor / w* setgray`