

Input: Colorimetric Reflective System MRS18

for hue $h^* = \text{lab}^*h = 30/360 = 0.083$

lab^*tch and lab^*nch

D65: hue R
LCH^{*}Ma: 50 77 30
rgb^{*}Ma: 1.0 0.0 0.0

triangle lightness

1.00

%Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0.75

0.50

0.25

0.00

blackness n^*

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

chromaticness c^*

0.25

0.50

0.75

1.00

blackness n^*

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

chromaticness c^*

0.25

0.50

0.75

1.00

blackness n^*

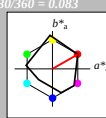
$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$



MRS18; adapted (a) CIELAB data						
$L^* = L^*_a$	a^*_a	b^*_a	C^*_a	h^*_a	$h^*_{ab,a}$	
R _{Ma}	49.63	66.96	38.37	77.18	30	
J _{Ma}	90.7	-6.36	88.75	88.98	94	
G _{Ma}	52.11	-69.73	9.44	70.37	172	
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218	
B _{Ma}	36.65	23.19	-63.05	67.18	290	
B50R _{Ma}	34.94	57.17	-44.26	72.31	322	
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

0.75

0.50

0.25

0.00

blackness n^*

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

chromaticness c^*

0.25

0.50

0.75

1.00

blackness n^*

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

chromaticness c^*

0.25

0.50

0.75

1.00

blackness n^*

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

Output: Colorimetric Reflective System NCS11

for hue $h^* = \text{lab}^*h = 24/360 = 0.066$

lab^*tch and lab^*nch

D65: hue R
LCH^{*}Ma: 47 92 24
rgb^{*}Ma: 1.0 0.0 0.0

triangle lightness

1.00

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

0.75

0.50

0.25

0.00

blackness n^*

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

chromaticness c^*

0.25

0.50

0.75

1.00

blackness n^*

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

chromaticness c^*

0.25

0.50

0.75

1.00

blackness n^*

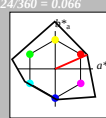
$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$



relative Inform. Technology (IT)						
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.0
lab^*b	0.0	0.0	1.0	0.0	0.0	1.0
lab^*L	1.0	0.0	0.0	1.0	0.0	0.0
lab^*a	0.0	1.0	0.0	0.0	1.0	0.