

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

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

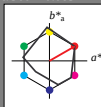
chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

BAM-test chart UE45; Colorimetric systems MRS18 & ORS18

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



MRS18; adapted (a) CIELAB data									
L^*	a^*	b^*	C^*	h^*	ab_a	ab_b	ab_c	ab_d	ab_e
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

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

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

$n^* = 0.00$

$n^* = 0.25$

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chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

BAM-test chart UE45; Colorimetric systems MRS18 & ORS18

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

Output: Colorimetric Reflective System ORS18

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

lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1.00

%Gamut

$u^*_{rel} = 93$

%Regularity

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

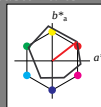
chromaticness c^*

blackness n^*

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

BAM-test chart UE45; Colorimetric systems MRS18 & ORS18

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



ORS18; adapted (a) CIELAB data									
L^*	a^*	b^*	C^*	h^*	ab_a	ab_b	ab_c	ab_d	ab_e
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				
Y _{Ma}	25.71	31.11	-44.42	54.24	305				
N _{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				
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%Regularity

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

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

$n^* = 0.00$

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$n^* = 0.75$

$n^* = 1.00$

chromaticness c^*

blackness n^*

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

BAM-test chart UE45; Colorimetric systems MRS18 & ORS18

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