

Input: Colorimetric Reflective System ORS18

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

lab^*ch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1.00

$u^*_{rel} = 93$

%Gamut

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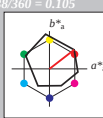
%Gamut

$u^*_{rel} = 93$

%Gamut

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%Gamut



ORS18; adapted (a) CIELAB data						
$L^* = L^*_a$	a^*_a	b^*_a	C^*_a	h^*_a	$h^*_{ab,a}$	
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	
M _{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

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

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

%Regularity

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

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

%Regularity

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

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

Output: Colorimetric Reflective System MRS18

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

lab^*ch and lab^*nch

D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1.00

%Gamut

$u^*_{rel} = 91$

%Gamut

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%Gamut

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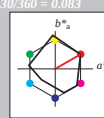
$u^*_{rel} = 91$

%Gamut

$u^*_{rel} = 91$

%Gamut

$u^*_{rel} = 91$



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	
G _{Ma}	90.7	-6.36	88.75	88.98	94	
Y _{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

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

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

%Regularity

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

%Regularity

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

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

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

%Regularity

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

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

%Regularity

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

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

relative Inform. Technology (IT)						
ab^*_{rel}	ab^*_{rel}	ab^*_{rel}	ab^*_{rel}	ab^*_{rel}	ab^*_{rel}	ab^*_{rel}
ab^*_{rel}	1.0	0.0	0.0	0.0	0.0	0.0
ab^*_{rel}	0.0	1.0	0.0	0.0	0.0	0.0
ab^*_{rel}	0.0	0.0	1.0	0.0	0.0	0.0
ab^*_{rel}	0.0	0.0	0.0	1.0	0.0	0.0
ab^*_{rel}	0.0	0.0	0.0	0.0	1.0	0.0
ab^*_{rel}	0.0	0.0	0.0	0.0	0.0	1.0

standard and adapted CIELAB						
L^*	a^*	b^*	C^*	h^*	h^*_{ab}	
L _{Ma}	50.9	-62.79	34.95	71.87	151	
C _{Ma}	58.62	-30.35	-45.01	54.3	236	
M _{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	

relative CIE LAB						
ab^*_{rel}	ab^*_{rel}	ab^*_{rel}	ab^*_{rel}	ab^*_{rel}	ab^*_{rel}	ab^*_{rel}
ab^*_{rel}	1.0	0.0	0.0	0.0	0.0	0.0
ab^*_{rel}	0.0	1.0	0.0	0.0	0.0	0.0
ab^*_{rel}	0.0	0.0	1.0	0.0	0.0	0.0
ab^*_{rel}	0.0	0.0	0.0	1.0	0.0	0.0
ab^*_{rel}	0.0	0.0	0.0	0.0	1.0	0.0

relative Inform. Technology (IT)						
ab^*_{rel}	ab^*_{rel}	ab^*_{rel}	ab^*_{rel}	ab^*_{rel}	ab^*_{rel}	ab^*_{rel}
ab^*_{rel}	1.0	0.0	0.0	0.0	0.0	0.0
ab^*_{rel}	0.0	1.0	0.0	0.0	0.0	0.0
ab^*_{rel}	0.0	0.0	1.0	0.0	0.0	0.0
ab^*_{rel}	0.0	0.0	0.0	1.0	0.0	0.0
ab^*_{rel}	0.0	0.0	0.0	0.0	1.0	0.0

abv3*	0.5	0.5	0.5	(1.0)
cmv3*	0.5	0.5	0.5	(0.0)
abv4*	1.0	1.0	1.0	0.5
cmv4*	0.0	0.0	0.0	0.5

standard and adapted CIE LAB

LAB*LAB	56.71	-0.23	2.16
LAB*Lab	56.71	0.0	0.0
LAB*TCAB	50.0	0.01	-

relative CIE LAB lab*

LabLab	0.5	0.0	0.0
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