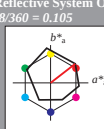


Input: Colorimetric Reflective System ORS18
for hue $h^* = \text{lab}^*h = 38/360 = 0.105$
 lab^*tch and lab^*nch

D65: hue 0
LCH*Ma: 48 83 38
rgb*Ma: 1.0 0.0 0.0
triangle lightness t^*



ORS18; adapted (a) CIELAB data
 $L^*=L_s^* a^* a^* b^* b^*$

	L^*	a^*	b^*	C^*	h^*
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 _{CI}	39.92	58.66	26.98	64.56	25
4 _{CI}	81.26	-2.17	67.76	67.79	92
G _{CI}	52.23	-42.26	11.75	43.87	164
B _{CI}	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
relative Natural Colour (NC)
standard and adopted CIELAB
LAP*AB 39.92 58.66 26.98
LAP*AB 50.9 31.11 -44.42
LAP*AB 48.13 75.27 -8.35
LAP*AB 18.01 0.0 0.0
LAP*AB 95.41 0.0 0.0
LAP*AB 39.92 58.66 26.98
LAP*AB 81.26 -2.17 67.76
LAP*AB 52.23 -42.26 11.75
LAP*AB 30.57 1.15 -46.84

%Regularity

$g^*_{Hrel} = 57$

$g^*_{Crel} = 59$

relative Inform. Technology (IT)
relative Natural Colour (NC)
standard and adopted CIELAB
LAP*AB 39.92 58.66 26.98
LAP*AB 50.9 31.11 -44.42
LAP*AB 48.13 75.27 -8.35
LAP*AB 18.01 0.0 0.0
LAP*AB 95.41 0.0 0.0
LAP*AB 39.92 58.66 26.98
LAP*AB 81.26 -2.17 67.76
LAP*AB 52.23 -42.26 11.75
LAP*AB 30.57 1.15 -46.84

%Regularity

$g^*_{Hrel} = 57$

$g^*_{Crel} = 59$

relative Inform. Technology (IT)
relative Natural Colour (NC)
standard and adopted CIELAB
LAP*AB 39.92 58.66 26.98
LAP*AB 50.9 31.11 -44.42
LAP*AB 48.13 75.27 -8.35
LAP*AB 18.01 0.0 0.0
LAP*AB 95.41 0.0 0.0
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LAP*AB 81.26 -2.17 67.76
LAP*AB 52.23 -42.26 11.75
LAP*AB 30.57 1.15 -46.84

%Regularity

$g^*_{Hrel} = 57$

$g^*_{Crel} = 59$

relative Inform. Technology (IT)
relative Natural Colour (NC)
standard and adopted CIELAB
LAP*AB 39.92 58.66 26.98
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LAP*AB 48.13 75.27 -8.35
LAP*AB 18.01 0.0 0.0
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%Regularity

$g^*_{Hrel} = 57$

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LAP*AB 81.26 -2.17 67.76
LAP*AB 52.23 -42.26 11.75
LAP*AB 30.57 1.15 -46.84

%Regularity

$g^*_{Hrel} = 57$

$g^*_{Crel} = 59$

relative Inform. Technology (IT)
relative Natural Colour (NC)
standard and adopted CIELAB
LAP*AB 39.92 58.66 26.98
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LAP*AB 81.26 -2.17 67.76
LAP*AB 52.23 -42.26 11.75
LAP*AB 30.57 1.15 -46.84

%Regularity

$g^*_{Hrel} = 57$

$g^*_{Crel} = 59$

Output: 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 t^*



MRS18; adapted (a) CIELAB data
 $L^*=L_s^* a^* a^* b^* b^*$

	L^*	a^*	b^*	C^*	h^*
R _{Ma}	49.63	66.96	38.37	77.18	30
G _{Ma}	90.7	-6.36	88.75	88.98	94
C _{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 _{CI}	39.92	58.66	26.98	64.56	25
4 _{CI}	81.26	-2.17	67.76	67.79	92
G _{CI}	52.23	-42.26	11.75	43.87	164
B _{CI}	30.57	1.15	-46.84	46.87	271

%Gamut

$u^*_{rel} = 91$

relative Inform. Technology (IT)
relative Natural Colour (NC)
standard and adopted CIELAB
LAP*AB 49.63 66.96 38.37
LAP*AB 90.7 -6.36 88.75
LAP*AB 52.11 -69.73 9.44
LAP*AB 45.03 -36.57 -28.47
LAP*AB 36.65 23.19 -63.05
LAP*AB 34.94 57.17 -44.26
LAP*AB 18.01 0.0 0.0
LAP*AB 95.41 0.0 0.0
LAP*AB 39.92 58.66 26.98
LAP*AB 81.26 -2.17 67.76
LAP*AB 52.23 -42.26 11.75
LAP*AB 30.57 1.15 -46.84

%Regularity

$g^*_{Hrel} = 41$

$g^*_{Crel} = 52$

relative Inform. Technology (IT)
relative Natural Colour (NC)
standard and adopted CIELAB
LAP*AB 49.63 66.96 38.37
LAP*AB 90.7 -6.36 88.75
LAP*AB 52.11 -69.73 9.44
LAP*AB 45.03 -36.57 -28.47
LAP*AB 36.65 23.19 -63.05
LAP*AB 34.94 57.17 -44.26
LAP*AB 18.01 0.0 0.0
LAP*AB 95.41 0.0 0.0
LAP*AB 39.92 58.66 26.98
LAP*AB 81.26 -2.17 67.76
LAP*AB 52.23 -42.26 11.75
LAP*AB 30.57 1.15 -46.84

%Regularity

$g^*_{Hrel} = 41$

$g^*_{Crel} = 52$

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relative Natural Colour (NC)
standard and adopted CIELAB
LAP*AB 49.63 66.96 38.37
LAP*AB 90.7 -6.36 88.75
LAP*AB 52.11 -69.73 9.44
LAP*AB 45.03 -36.57 -28.47
LAP*AB 36.65 23.19 -63.05
LAP*AB 34.94 57.17 -44.26
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LAP*AB 95.41 0.0 0.0
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LAP*AB 95.41 0.0 0.0
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LAP*AB 30.57 1.15 -46.84

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%Regularity

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%Regularity

$g^*_{Hrel} = 41$

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relative Natural Colour (NC)
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LAP*AB 49.63 66.96 38.37
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LAP*AB 95.41 0.0 0.0
LAP*AB 39.92 58.66 26.98
LAP*AB 81.26 -2.17 67.76
LAP*AB 52.23 -42.26 11.75
LAP*AB 30.57 1.15 -46.84

%Regularity

$g^*_{Hrel} = 41$

$g^*_{Crel} = 52$

UE500-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

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

BAM-test chart UE50; Colorimetric systems ORS18 & MRS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

input: $\text{cmy0}^* \text{setcmykcolor}$
output: $\text{cmy0}^* / 000n^* \text{setcmykcolor}$