

Input: Colorimetric Offset Reflective System ORS18a

for hue $h^* = lab^*h = 38/360 = 0.105$

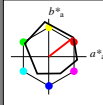
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



ORS18a; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	C^*_{aba}	h^*_{aba}
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	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	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

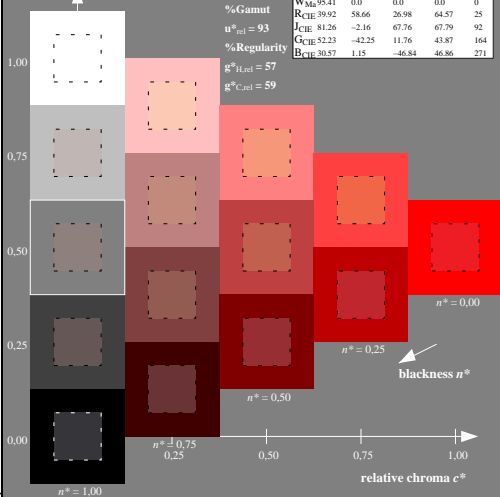
%Gamut

$u^*_{\text{rel}} = 93$

%Regularity

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

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



$n^* = 1.00$

$n^* = 0.75$

$n^* = 0.50$

$n^* = 0.25$

$n^* = 0.00$

De140-7N, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

Test chart 1 according to DIN 33872-4, Hue O, Page 1/11
 Equality for two colour definitions, ORS18a

Output: Colorimetric Offset Reflective System ORS18a

for hue $h^* = lab^*h = 38/360 = 0.105$

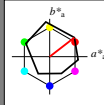
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



ORS18a; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	C^*_{aba}	h^*_{aba}
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	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	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

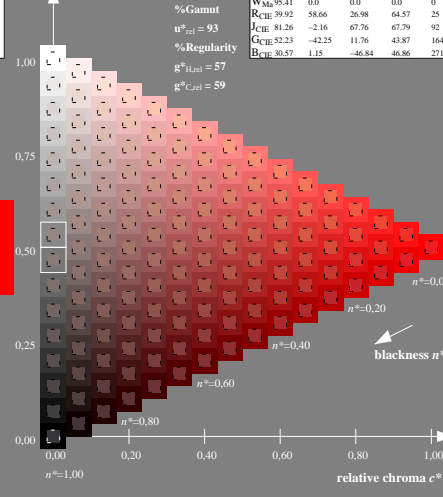
%Gamut

$u^*_{\text{rel}} = 93$

%Regularity

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

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



$n^* = 1.00$

$n^* = 0.80$

$n^* = 0.60$

$n^* = 0.40$

$n^* = 0.20$

$n^* = 0.00$

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

input: *cmY0-center, rgb-background*
 output: no change compared to input