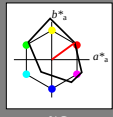
Input: Colorimetric Offset Reflective System ORS18a

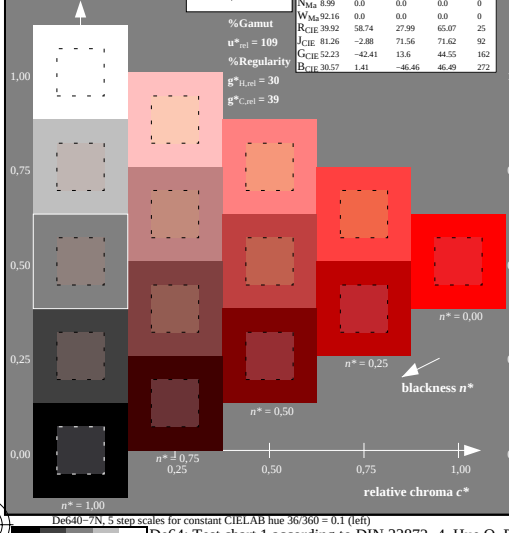
for hue $h^* = lab^*h = 36/360 = 0.1$
lab*tch* and *lab*nch
D65: hue O
LCH*Ma: 35 76 36
olv*Ma: 1.0 0.0 0.0
triangle lightness t^*



ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

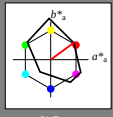
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39



De640−7N, 5 step scales for constant CIELAB hue 36/360 = 0.1 (left)

Output: Colorimetric Offset Reflective System ORS18a

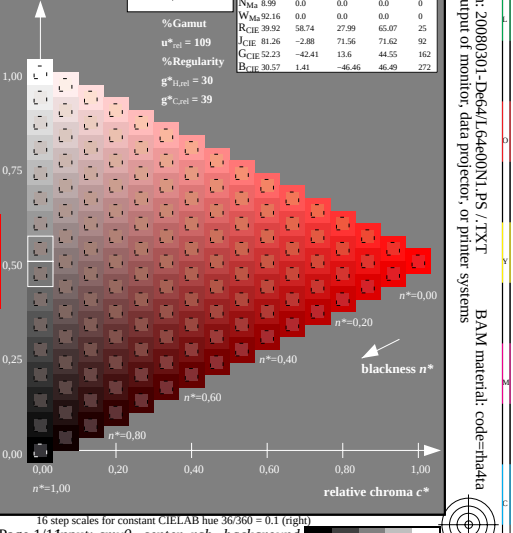
for hue $h^* = lab^*h = 36/360 = 0.1$
lab*tch* and *lab*nch
D65: hue O
LCH*Ma: 35 76 36
olv*Ma: 1.0 0.0 0.0
triangle lightness t^*



ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

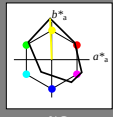
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39



16 step scales for constant CIELAB hue 36/360 = 0.1 (right)

Input: Colorimetric Offset Reflective System ORS18a

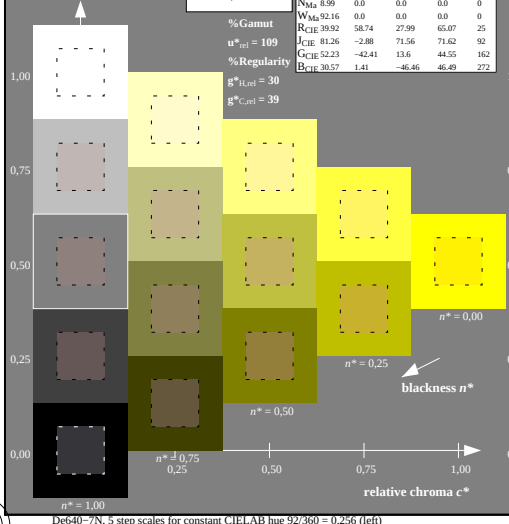
for hue $h^* = lab^*h = 92/360 = 0.256$
lab*tch* and *lab*nch
D65: hue Y
LCH*Ma: 84 109 92
olv*Ma: 1.0 1.0 0.0
triangle lightness t^*



%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

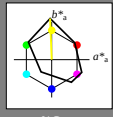
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



De640−7N, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Offset Reflective System ORS18a

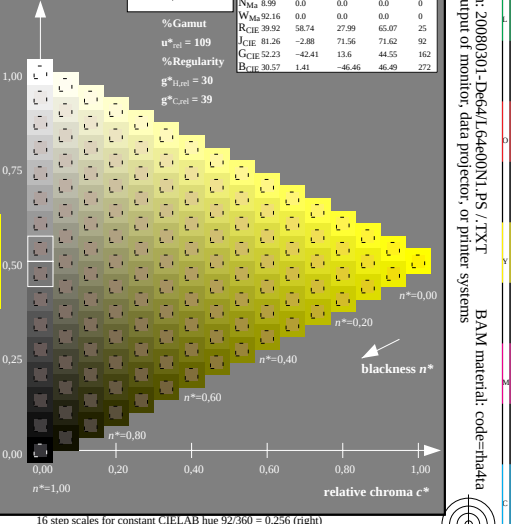
for hue $h^* = lab^*h = 92/360 = 0.256$
lab*tch* and *lab*nch
D65: hue Y
LCH*Ma: 84 109 92
olv*Ma: 1.0 1.0 0.0
triangle lightness t^*



%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

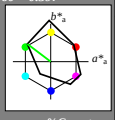
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



16 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Offset Reflective System ORS18a

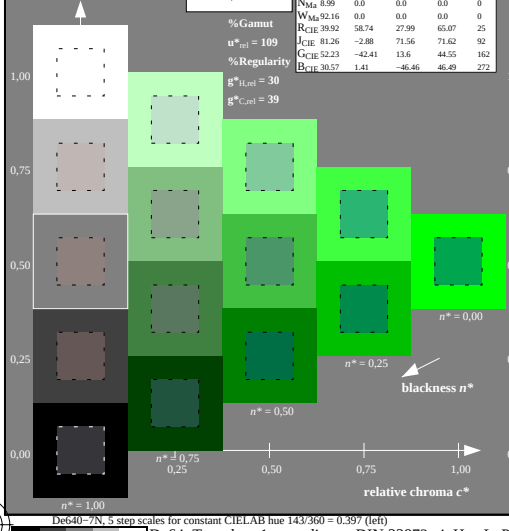
for hue $h^* = lab^*h = 143/360 = 0.397$
lab*tch* and *lab*nch
D65: hue L
LCH*Ma: 43 77 143
olv*Ma: 0.0 1.0 0.0
triangle lightness t^*



ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

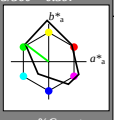
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39



De640−7N, 5 step scales for constant CIELAB hue 143/360 = 0.397 (left)

Output: Colorimetric Offset Reflective System ORS18a

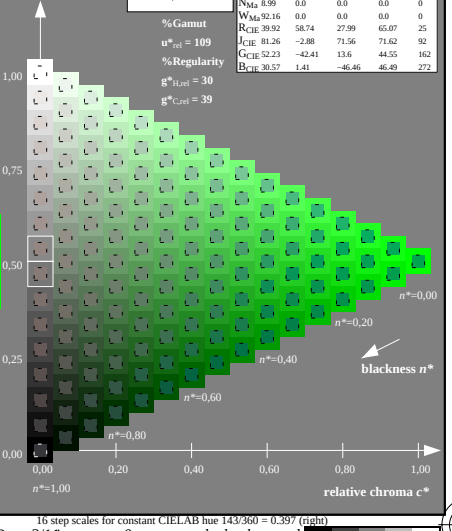
for hue $h^* = lab^*h = 143/360 = 0.397$
lab*tch* and *lab*nch
D65: hue L
LCH*Ma: 43 77 143
olv*Ma: 0.0 1.0 0.0
triangle lightness t^*



ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39



16 step scales for constant CIELAB hue 143/360 = 0.397 (right)

Input: Colorimetric Offset Reflective System ORS18a

for hue $h^* = lab^*h = 229/360 = 0.636$

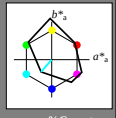
lab*tch* and *lab*nch

D65: hue C

LCH*Ma: 52 43 229

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

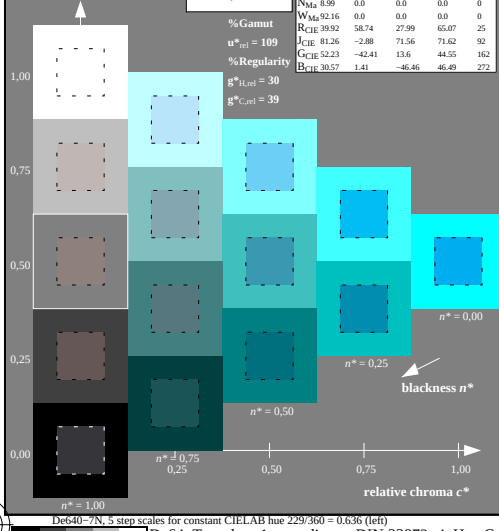
%Gamut

u^*_{rel} = 109

%Regularity

$g^*_{H,rel}$ = 30

$g^*_{C,rel}$ = 39



De640−7N, 5 step scales for constant CIELAB hue 229/360 = 0.636 (left)

Output: Colorimetric Offset Reflective System ORS18a

for hue $h^* = lab^*h = 229/360 = 0.636$

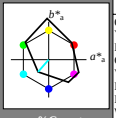
lab*tch* and *lab*nch

D65: hue C

LCH*Ma: 52 43 229

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

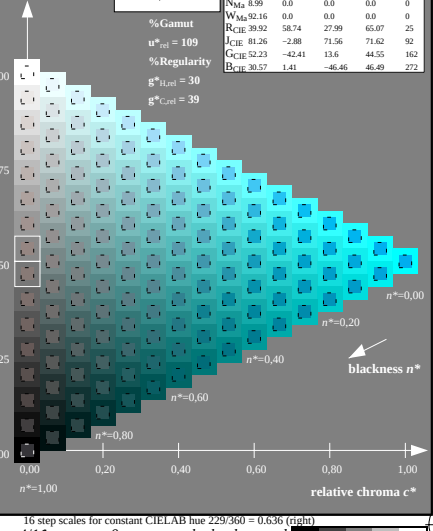
%Gamut

u^*_{rel} = 109

%Regularity

$g^*_{H,rel}$ = 30

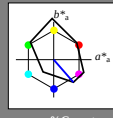
$g^*_{C,rel}$ = 39



16 step scales for constant CIELAB hue 229/360 = 0.636 (right)

Input: Colorimetric Offset Reflective System ORS18a

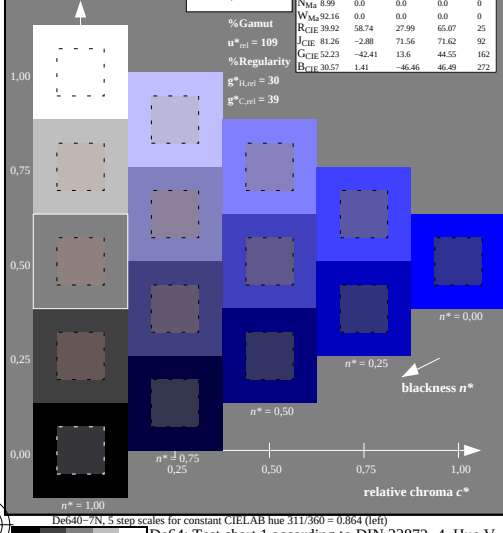
for hue $h^* = lab^*h = 311/360 = 0.864$
lab*tch* and *lab*nch
D65: hue V
LCH*Ma: 14 79 311
olv*Ma: 0.0 0.0 1.0
triangle lightness t^*



ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

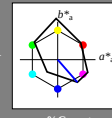
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39



De640−7N, 5 step scales for constant CIELAB hue 311/360 = 0.864 (left)

Output: Colorimetric Offset Reflective System ORS18a

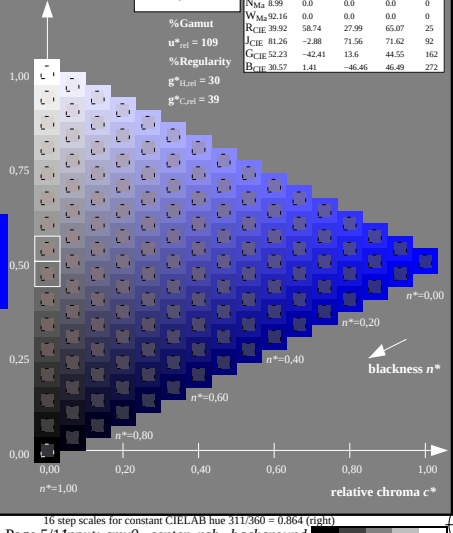
for hue $h^* = lab^*h = 311/360 = 0.864$
lab*tch* and *lab*nch
D65: hue V
LCH*Ma: 14 79 311
olv*Ma: 0.0 0.0 1.0
triangle lightness t^*



ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39

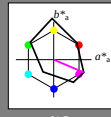


16 step scales for constant CIELAB hue 311/360 = 0.864 (right)

Input: *cmy0−center, rgb−background*
output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18a

for hue $h^* = lab^*h = 337/360 = 0.936$
lab*tch* and *lab*nch
D65: hue M
LCH*Ma: 38 86 337
olv*Ma: 1.0 0.0 1.0
triangle lightness t^*



%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
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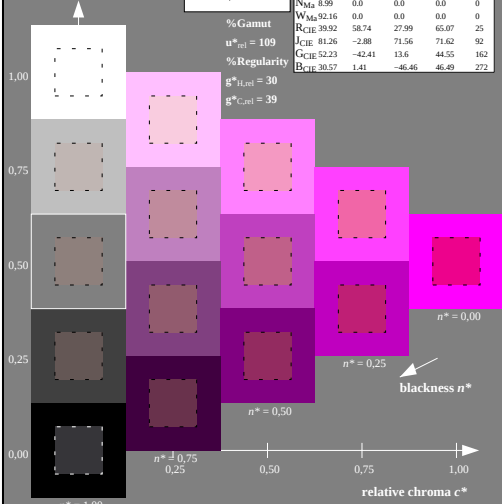
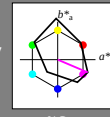
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



De640−7N, 5 step scales for constant CIELAB hue 337/360 = 0.936 (left)

Output: Colorimetric Offset Reflective System ORS18a

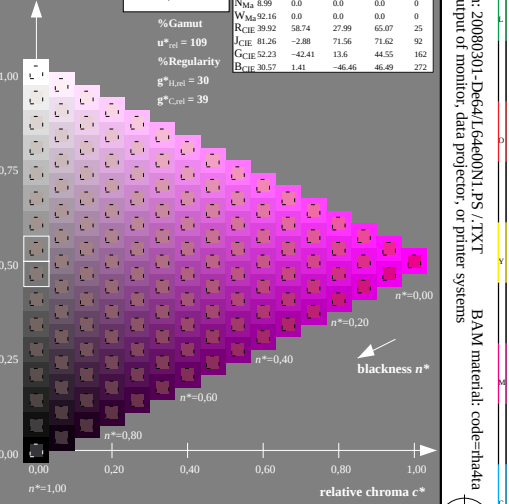
for hue $h^* = lab^*h = 337/360 = 0.936$
lab*tch* and *lab*nch
D65: hue M
LCH*Ma: 38 86 337
olv*Ma: 1.0 0.0 1.0
triangle lightness t^*



%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

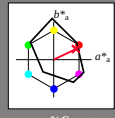


16 step scales for constant CIELAB hue 337/360 = 0.936 (right)

input: *cmy0−center, rgb−background*
output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18a

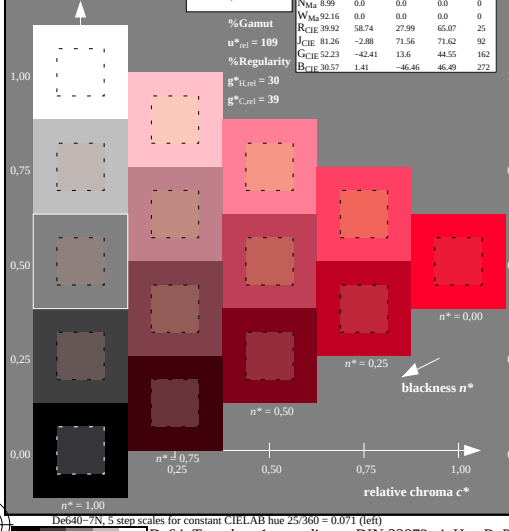
for hue $h^* = lab^*h = 25/360 = 0.071$
lab*tch* and *lab*nch
D65: hue R
LCH*Ma: 36 71 25
olv*Ma: 1.0 0.0 0.18
triangle lightness *t**



%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

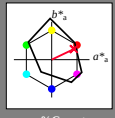
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



De640−7N, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Offset Reflective System ORS18a

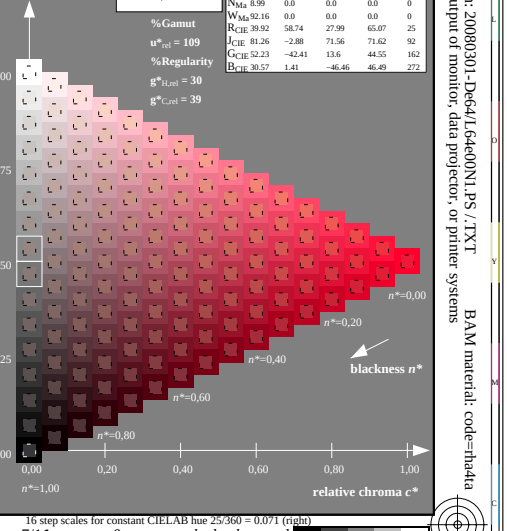
for hue $h^* = lab^*h = 25/360 = 0.071$
lab*tch* and *lab*nch
D65: hue R
LCH*Ma: 36 71 25
olv*Ma: 1.0 0.0 0.18
triangle lightness *t**



%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

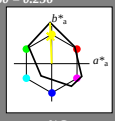


16 step scales for constant CIELAB hue 25/360 = 0.071 (right)

input: *cmy0−center, rgb−background*
output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18a

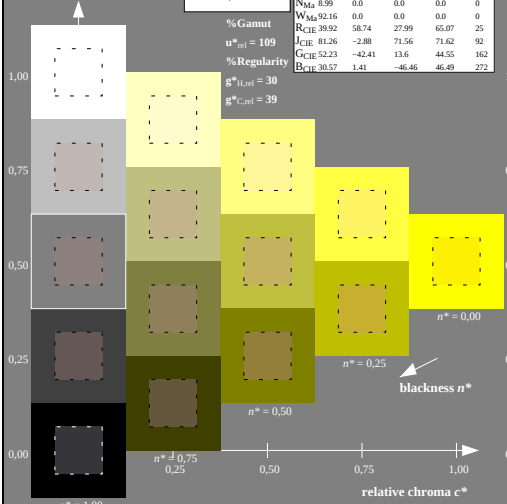
for hue $h^* = lab^*h = 92/360 = 0.256$
lab*tch* and *lab*nch
D65: hue J
LCH*Ma: 83 109 92
olv*Ma: 1.0 1.0 0.0
triangle lightness t^*



%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

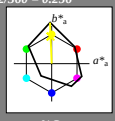
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



De640−7N, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Offset Reflective System ORS18a

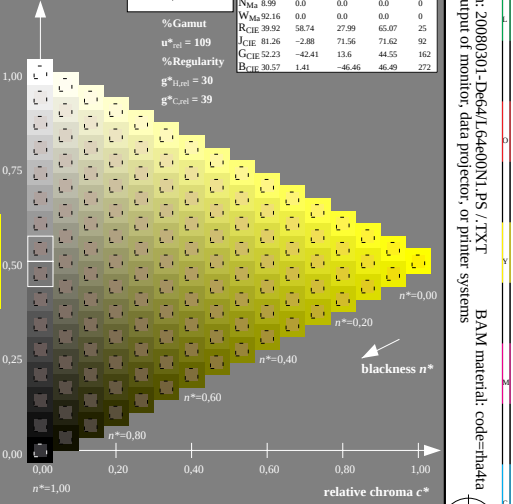
for hue $h^* = lab^*h = 92/360 = 0.256$
lab*tch* and *lab*nch
D65: hue J
LCH*Ma: 83 109 92
olv*Ma: 1.0 1.0 0.0
triangle lightness t^*



%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



16 step scales for constant CIELAB hue 92/360 = 0.256 (right)

De64: Test chart 1 according to DIN 33872−4, Hue J, Page 8/11input: *cmy0−center, rgb−background*
Equality for two colour definitions, ORS18a output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18a

for hue $h^* = lab^*h = 162/360 = 0.451$

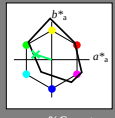
lab*tch* and *lab*nch

D65: hue G

LCH*Ma: 47 51 162

olv*Ma: 0.0 1.0 0.39

triangle lightness t^*



%Gamut

u^*_{rel} = 109

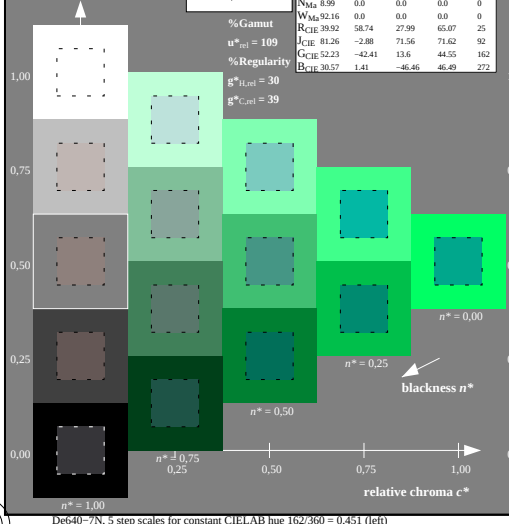
%Regularity

$g^*_{H,rel}$ = 30

$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



De640−7N, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Offset Reflective System ORS18a

for hue $h^* = lab^*h = 162/360 = 0.451$

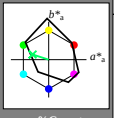
lab*tch* and *lab*nch

D65: hue G

LCH*Ma: 47 51 162

olv*Ma: 0.0 1.0 0.39

triangle lightness t^*



%Gamut

u^*_{rel} = 109

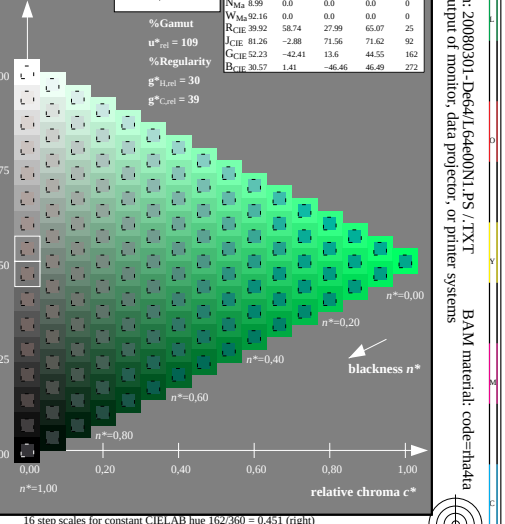
%Regularity

$g^*_{H,rel}$ = 30

$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

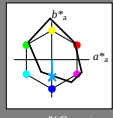
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



16 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Offset Reflective System ORS18a

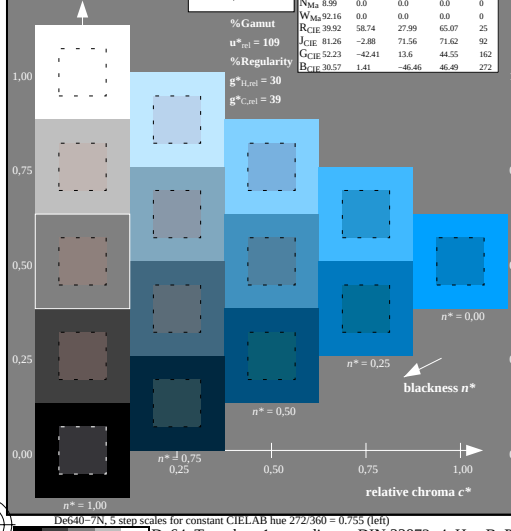
for hue $h^* = lab^*h = 272/360 = 0.755$
lab*tch* and *lab*nch
D65: hue B
LCH*Ma: 38 42 272
olv*Ma: 0.0 0.63 1.0
triangle lightness t^*



%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

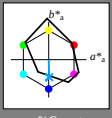
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



De640−7N, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Offset Reflective System ORS18a

for hue $h^* = lab^*h = 272/360 = 0.755$
lab*tch* and *lab*nch
D65: hue B
LCH*Ma: 38 42 272
olv*Ma: 0.0 0.63 1.0
triangle lightness t^*



%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
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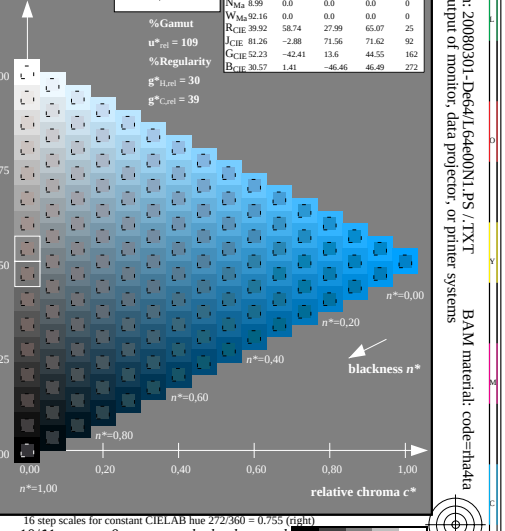
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



16 step scales for constant CIELAB hue 272/360 = 0.755 (right)

input: *cmy0−center, rgb−background*
output: no change compared to input