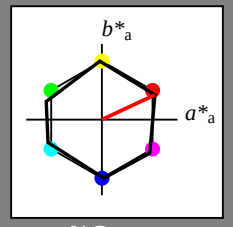
Input: Colorimetric Natural Reflective System CNS18

for hue *h* = lab*h = 25/360 = 0.069*
*lab*tch* and *lab*nch*

D65: hue R
LCH*Ma: 57 77 25
olv*Ma: 1.0 0.0 0.0

triangle lightness *t**



%Gamut

u*rel = 100

CNS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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	58.74	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

1,00

%Regularity

g*H,rel = 59

g*C,rel = 100

0,75

0,50

0,25

0,00

blackness *n**

0,25 0,50 0,75 1,00

chromaticness *c**

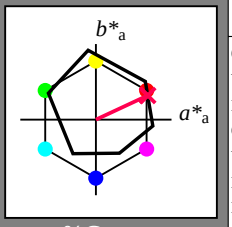
n* = 1,0 n* = 0,75 n* = 0,50 n* = 0,25 n* = 0,00

Output: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 25/360 = 0.069*
*lab*tch* and *lab*nch*

D65: hue O
LCH*Ma: 48 76 25
olv*Ma: 1.0 0.0 0.32

triangle lightness *t**



%Gamut

u*rel = 93

ORS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
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

1,00

%Regularity

g*H,rel = 57

g*C,rel = 59

0,75

0,50

0,25

0,00

blackness *n**

0,25 0,50 0,75 1,00

chromaticness *c**

n* = 1,0 n* = 0,75 n* = 0,50 n* = 0,25 n* = 0,00

VE450−7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

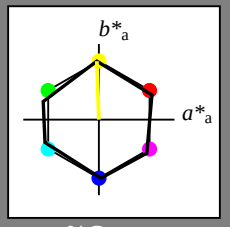
BAM-test chart VE45; Colorimetric systems CNS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Natural Reflective System CNS18
for hue *h = *lab*h* = 92/360 = 0.256**
lab*tch* and *lab*nch

D65: hue J
LCH*Ma: 57 77 92
olv*Ma: 1.0 1.0 0.0

triangle lightness *t**



%Gamut

u*$_{rel}$ = 100

CNS18; adapted (a) CIELAB data	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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	58.74	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

1,00

%Regularity

g*$_{H,rel}$ = 59

g*$_{C,rel}$ = 100

0,75

0,25

0,00

*n** = 0,00

*n** = 0,25

*n** = 0,50

*n** = 1,0

blackness *n**

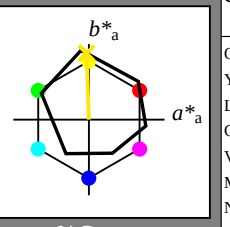
0,25 0,50 0,75 1,00

chromaticness *c**

Output: Colorimetric Offset Reflective System ORS18
for hue *h = *lab*h* = 92/360 = 0.256**
lab*tch* and *lab*nch

D65: hue Y
LCH*Ma: 86 88 92
olv*Ma: 1.0 0.9 0.0

triangle lightness *t**



%Gamut

u*$_{rel}$ = 93

ORS18; adapted (a) CIELAB data	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
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

1,00

%Regularity

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

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

0,75

0,25

0,00

*n** = 0,00

*n** = 0,25

*n** = 0,50

*n** = 1,0

blackness *n**

0,25 0,50 0,75 1,00

chromaticness *c**

VE450−7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

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

BAM-test chart VE45; Colorimetric systems CNS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

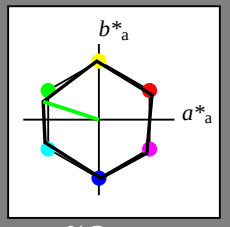
input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Natural Reflective System CNS18

for hue *h* = lab*h = 162/360 = 0.45*
*lab*tch* and *lab*nch*

D65: hue G
LCH*Ma: 57 77 162
olv*Ma: 0.0 1.0 0.0

triangle lightness *t**



%Gamut
u*rel = 100

CNS18; adapted (a) CIELAB data	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
RMa	56.7	70.15	32.71	77.4	25
JMa	56.7	−2.69	77.35	77.4	92
GMa	56.7	−73.6	23.92	77.4	162
G50BMa	56.7	−71.24	−30.23	77.4	203
BMa	56.7	2.7	−77.34	77.4	272
B50RMa	56.7	63.4	−44.38	77.4	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	−2.88	71.56	71.62	92
GCIE	52.23	−42.41	13.6	44.55	162
BCIE	30.57	1.41	−46.46	46.49	272

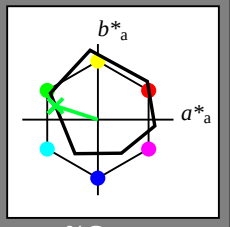
1,00
%Regularity
g*H,rel = 59
g*C,rel = 100
0,75
0,25
0,00
n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0
blackness *n**
chromaticness *c**
0,25
0,50
0,75
1,00

Output: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 162/360 = 0.45*
*lab*tch* and *lab*nch*

D65: hue L
LCH*Ma: 53 59 162
olv*Ma: 0.0 1.0 0.21

triangle lightness *t**



%Gamut
u*rel = 93

ORS18; adapted (a) CIELAB data	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	−10.26	91.75	92.32	96
LMa	50.9	−62.83	34.96	71.91	151
CMa	58.62	−30.34	−45.01	54.3	236
VMa	25.72	31.1	−44.4	54.22	305
MMa	48.13	75.28	−8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	−2.16	67.76	67.79	92
GCIE	52.23	−42.25	11.76	43.87	164
BCIE	30.57	1.15	−46.84	46.86	271

1,00
%Regularity
g*H,rel = 57
g*C,rel = 59
0,75
0,25
0,00
n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0
blackness *n**
chromaticness *c**
0,25
0,50
0,75
1,00

VE450−7, 5 step scales for constant CIELAB hue 162/360 = 0.45 (left)

5 step scales for constant CIELAB hue 162/360 = 0.45 (right)

BAM-test chart VE45; Colorimetric systems CNS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

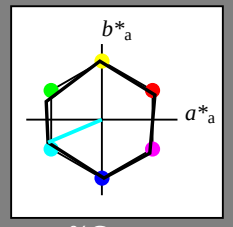
input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Natural Reflective System CNS18

for hue *h* = lab*h = 203/360 = 0.564*
*lab*tch* and *lab*nch*

D65: hue G50B
LCH*Ma: 57 77 203
olv*Ma: 0.0 1.0 1.0

triangle lightness *t**



%Gamut
u*rel = 100

CNS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
RMa	56.7	70.15	32.71	77.4	25
JMa	56.7	−2.69	77.35	77.4	92
GMa	56.7	−73.6	23.92	77.4	162
G50BMa	56.7	−71.24	−30.23	77.4	203
BMa	56.7	2.7	−77.34	77.4	272
B50RMa	56.7	63.4	−44.38	77.4	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	−2.88	71.56	71.62	92
GCIE	52.23	−42.41	13.6	44.55	162
BCIE	30.57	1.41	−46.46	46.49	272

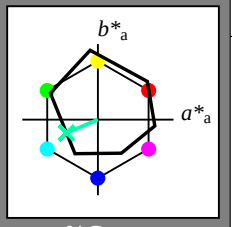
1,00
%Regularity
g*H,rel = 59
g*C,rel = 100
0,75
0,25
0,00
n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0
blackness *n**
chromaticness *c**
0,25 0,50 0,75 1,00

Output: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 203/360 = 0.564*
*lab*tch* and *lab*nch*

D65: hue C
LCH*Ma: 56 45 203
olv*Ma: 0.0 1.0 0.66

triangle lightness *t**



%Gamut
u*rel = 93

ORS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	−10.26	91.75	92.32	96
LMa	50.9	−62.83	34.96	71.91	151
CMa	58.62	−30.34	−45.01	54.3	236
VMa	25.72	31.1	−44.4	54.22	305
MMa	48.13	75.28	−8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	−2.16	67.76	67.79	92
GCIE	52.23	−42.25	11.76	43.87	164
BCIE	30.57	1.15	−46.84	46.86	271

%Regularity
g*H,rel = 57
g*C,rel = 59
n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0
blackness *n**
chromaticness *c**
0,25 0,50 0,75 1,00

VE450−7, 5 step scales for constant CIELAB hue 203/360 = 0.564 (left)
5 step scales for constant CIELAB hue 203/360 = 0.564 (right)

BAM-test chart VE45; Colorimetric systems CNS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

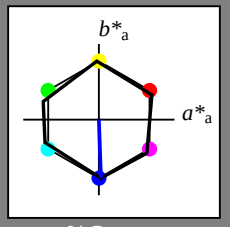
input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Natural Reflective System CNS18

for hue $h^* = lab^*h = 272/360 = 0.756$
*lab*tch* and *lab*nch*

D65: hue B
LCH*Ma: 57 77 272
olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

u^*_{rel} = 100

CNS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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	58.74	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

1,00

%Regularity

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

$g^*_{C,rel}$ = 100

0,75

0,25

0,00

n^* = 0,00

n^* = 0,25

n^* = 0,50

n^* = 1,0

blackness n^*

0,25 0,50 0,75 1,00

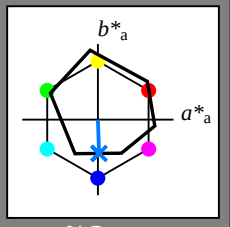
chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 272/360 = 0.756$
*lab*tch* and *lab*nch*

D65: hue V
LCH*Ma: 42 45 272
olv*Ma: 0.0 0.48 1.0

triangle lightness t^*



%Gamut

u^*_{rel} = 93

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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

%Regularity

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

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

0,25 0,50 0,75 1,00

chromaticness c^*

VE450−7, 5 step scales for constant CIELAB hue 272/360 = 0.756 (left)

5 step scales for constant CIELAB hue 272/360 = 0.756 (right)

BAM-test chart VE45; Colorimetric systems CNS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

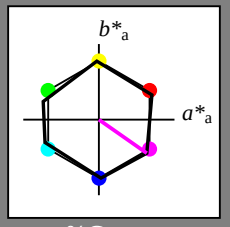
input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Natural Reflective System CNS18

for hue *h* = lab*h = 325/360 = 0.903*
*lab*tch* and *lab*nch*

D65: hue B50R
LCH*Ma: 57 77 325
olv*Ma: 1.0 0.0 1.0

triangle lightness *t**



%Gamut
u*rel = 100

CNS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
RMa	56.7	70.15	32.71	77.4	25
JMa	56.7	−2.69	77.35	77.4	92
GMa	56.7	−73.6	23.92	77.4	162
G50BMa	56.7	−71.24	−30.23	77.4	203
BMa	56.7	2.7	−77.34	77.4	272
B50RMa	56.7	63.4	−44.38	77.4	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	−2.88	71.56	71.62	92
GCIE	52.23	−42.41	13.6	44.55	162
BCIE	30.57	1.41	−46.46	46.49	272

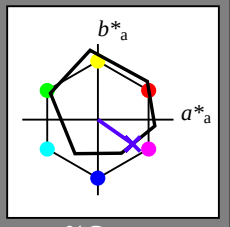
1,00
%Regularity
g*H,rel = 59
g*C,rel = 100
0,75
0,50
0,25
0,00
n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0
blackness *n**
chromaticness *c**
0,25
0,50
0,75
1,00

Output: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 325/360 = 0.903*
*lab*tch* and *lab*nch*

D65: hue M
LCH*Ma: 33 56 325
olv*Ma: 0.34 0.0 1.0

triangle lightness *t**



%Gamut
u*rel = 93

ORS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	−10.26	91.75	92.32	96
LMa	50.9	−62.83	34.96	71.91	151
CMa	58.62	−30.34	−45.01	54.3	236
VMa	25.72	31.1	−44.4	54.22	305
MMa	48.13	75.28	−8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	−2.16	67.76	67.79	92
GCIE	52.23	−42.25	11.76	43.87	164
BCIE	30.57	1.15	−46.84	46.86	271

%Regularity
g*H,rel = 57
g*C,rel = 59

VE450−7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)
5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

BAM-test chart VE45; Colorimetric systems CNS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

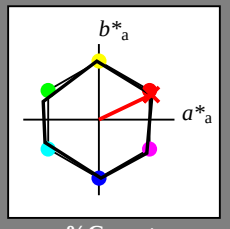
input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Natural Reflective System CNS18

for hue *h* = lab*h = 25/360 = 0.071*
*lab*tch* and *lab*nch*

D65: hue R
LCH*Ma: 57 77 25
olv*Ma: 1.0 0.01 0.0

triangle lightness *t**



%Gamut

u*rel = 100

CNS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
RMa	56.7	70.15	32.71	77.4	25
JMa	56.7	−2.69	77.35	77.4	92
GMa	56.7	−73.6	23.92	77.4	162
G50BMa	56.7	−71.24	−30.23	77.4	203
BMa	56.7	2.7	−77.34	77.4	272
B50RMa	56.7	63.4	−44.38	77.4	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	−2.88	71.56	71.62	92
GCIE	52.23	−42.41	13.6	44.55	162
BCIE	30.57	1.41	−46.46	46.49	272

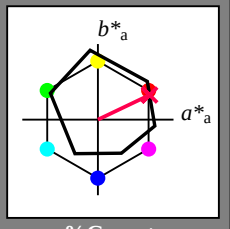
1,00
%Regularity
g*H,rel = 59
g*C,rel = 100
0,75
0,50
0,25
0,00
n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0
blackness *n**
0,25
0,50
0,75
1,00
chromaticness *c**

Output: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 25/360 = 0.071*
*lab*tch* and *lab*nch*

D65: hue R
LCH*Ma: 48 76 25
olv*Ma: 1.0 0.0 0.3

triangle lightness *t**



%Gamut

u*rel = 93

ORS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	−10.26	91.75	92.32	96
LMa	50.9	−62.83	34.96	71.91	151
CMa	58.62	−30.34	−45.01	54.3	236
VMa	25.72	31.1	−44.4	54.22	305
MMa	48.13	75.28	−8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	−2.16	67.76	67.79	92
GCIE	52.23	−42.25	11.76	43.87	164
BCIE	30.57	1.15	−46.84	46.86	271

%Regularity
g*H,rel = 57
g*C,rel = 59
n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0
blackness *n**
0,25
0,50
0,75
1,00
chromaticness *c**

VE450−7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

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

BAM-test chart VE45; Colorimetric systems CNS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

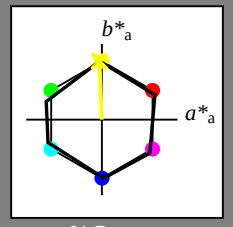
input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Natural Reflective System CNS18

for hue *h* = lab*h = 92/360 = 0.256*
*lab*tch* and *lab*nch*

D65: hue J
LCH*Ma: 57 77 92
olv*Ma: 0.99 1.0 0.0

triangle lightness *t**



%Gamut
u*rel = 100

CNS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
RMa	56.7	70.15	32.71	77.4	25
JMa	56.7	−2.69	77.35	77.4	92
GMa	56.7	−73.6	23.92	77.4	162
G50BMa	56.7	−71.24	−30.23	77.4	203
BMa	56.7	2.7	−77.34	77.4	272
B50RMa	56.7	63.4	−44.38	77.4	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	−2.88	71.56	71.62	92
GCIE	52.23	−42.41	13.6	44.55	162
BCIE	30.57	1.41	−46.46	46.49	272

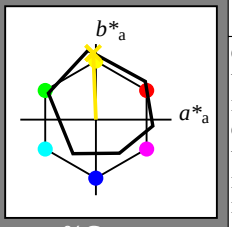
%Regularity
g*H,rel = 59
g*C,rel = 100

Output: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 92/360 = 0.256*
*lab*tch* and *lab*nch*

D65: hue J
LCH*Ma: 87 88 92
olv*Ma: 1.0 0.91 0.0

triangle lightness *t**

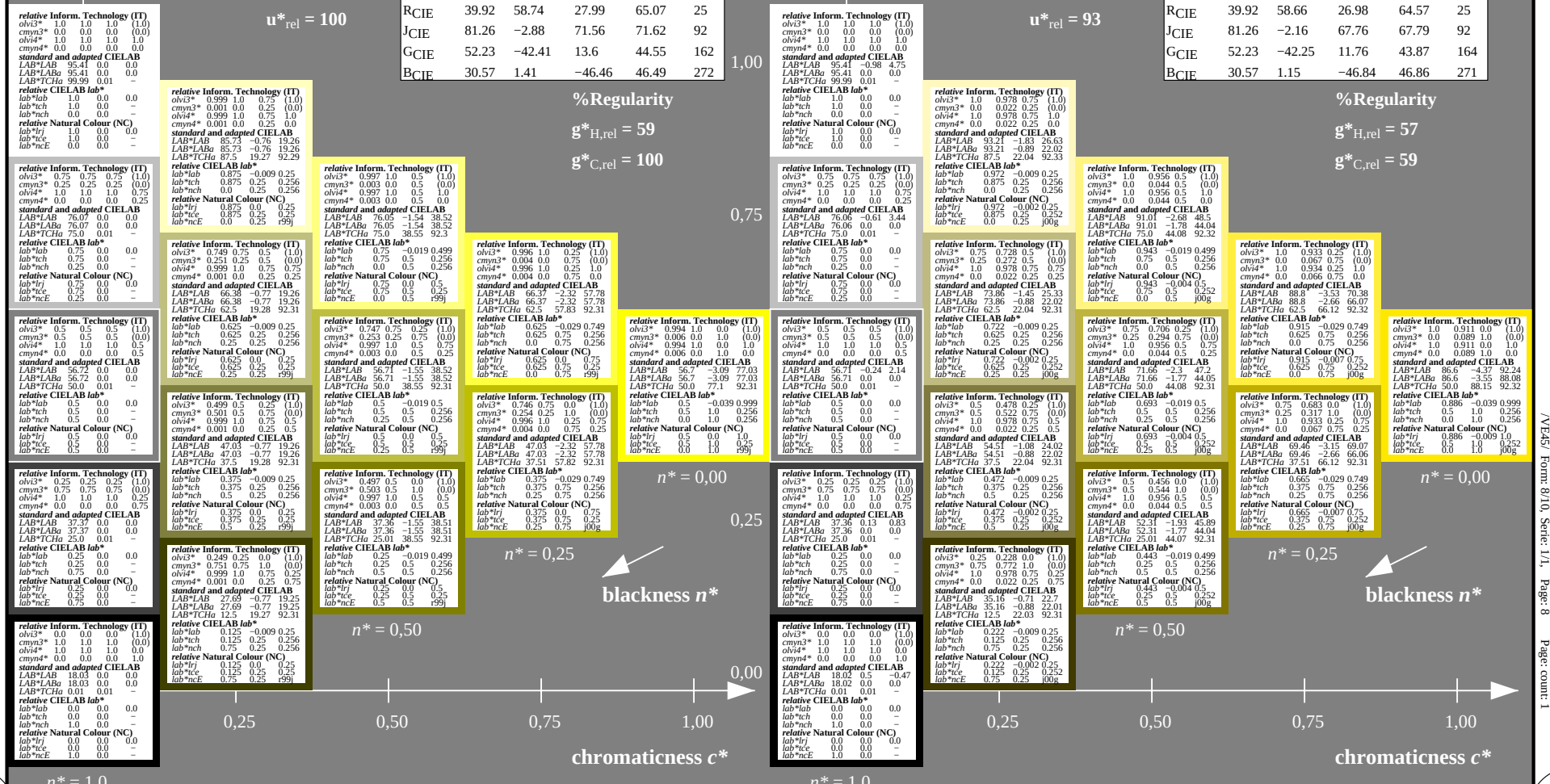


%Gamut
u*rel = 93

ORS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	−10.26	91.75	92.32	96
LMa	50.9	−62.83	34.96	71.91	151
CMa	58.62	−30.34	−45.01	54.3	236
VMa	25.72	31.1	−44.4	54.22	305
MMa	48.13	75.28	−8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	−2.16	67.76	67.79	92
GCIE	52.23	−42.25	11.76	43.87	164
BCIE	30.57	1.15	−46.84	46.86	271

%Regularity
g*H,rel = 57
g*C,rel = 59



VE450−7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

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

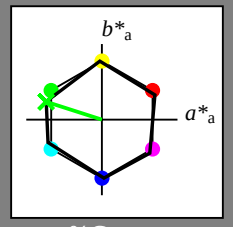
BAM-test chart VE45; Colorimetric systems CNS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Natural Reflective System CNS18
for hue *h = *lab*h* = 162/360 = 0.451**
lab*tch* and *lab*nch

D65: hue G
LCH*Ma: 57 77 162
olv*Ma: 0.0 1.0 0.01

triangle lightness *t**



%Gamut

u*$_{rel}$ = 100

CNS18; adapted (a) CIELAB data	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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	58.74	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

%Regularity

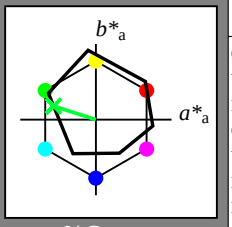
g*$_{H,rel}$ = 59

g*$_{C,rel}$ = 100

Output: Colorimetric Offset Reflective System ORS18
for hue *h = *lab*h* = 162/360 = 0.451**
lab*tch* and *lab*nch

D65: hue G
LCH*Ma: 53 59 162
olv*Ma: 0.0 1.0 0.21

triangle lightness *t**



%Gamut

u*$_{rel}$ = 93

ORS18; adapted (a) CIELAB data	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
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

%Regularity

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

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

1,00
0,75
0,25
0,00
0,25
0,50
0,75
1,00
chromaticness *c**
blackness *n**
*n** = 1,0
*n** = 0,50
*n** = 0,25
*n** = 0,00

VE450−7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

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

BAM-test chart VE45; Colorimetric systems CNS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

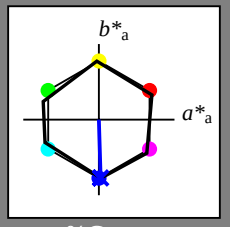
input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Natural Reflective System CNS18

for hue $h^* = lab^*h = 272/360 = 0.755$
*lab*tch* and *lab*nch*

D65: hue B
LCH*Ma: 57 77 272
olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut
u^*_{rel} = 100

CNS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
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	58.74	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

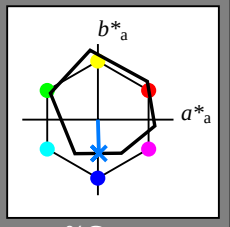
%Regularity
$g^*_{H,rel}$ = 59
$g^*_{C,rel}$ = 100

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 272/360 = 0.755$
*lab*tch* and *lab*nch*

D65: hue B
LCH*Ma: 42 45 272
olv*Ma: 0.0 0.48 1.0

triangle lightness t^*



%Gamut
u^*_{rel} = 93

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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

%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

1,00
0,75
0,25
0,00
n^* = 0,00
n^* = 0,25
n^* = 0,50
n^* = 1,0
blackness n^*
0,25 0,50 0,75 1,00
chromaticness c^*

VE450−7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)
5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

BAM-test chart VE45; Colorimetric systems CNS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*