

Input: Colorimetric Standard Reflective System SRS18

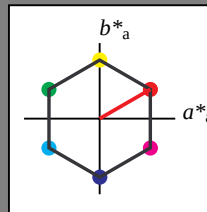
for hue $h^* = lab \cdot h = 30/360 = 0.083$

$lab \cdot tch$ and $lab \cdot nch$

D65: hue O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00



SRS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
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

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

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

1,00

Output: Colorimetric Offset Reflective System ORS18

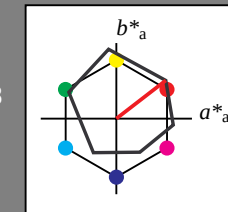
for hue $h^* = lab \cdot h = 38/360 = 0.105$

$lab \cdot tch$ and $lab \cdot nch$

D65: hue O
LCH*Ma: 48 83 38
olv*Ma: 1.0 0.0 0.0

triangle lightness

1,00



%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

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

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

0,75

0,25

0,50

0,75

1,00

chromaticness c^*

OE470-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)



BAM-test chart OE47; Colorimetric systems SRS18 & ORS18

D65: 5 step colour scales and coordinate data for 10 hues

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

input: $cmY0^* set cmykcolor$

output: no change compared to input

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab \cdot h = 150/360 = 0.417$

$lab \cdot tch$ and $lab \cdot nch$

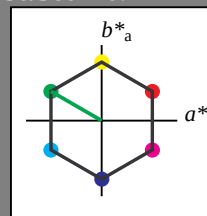
D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00



SRS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
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

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

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

1,00

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 151/360 = 0.419$

$lab \cdot tch$ and $lab \cdot nch$

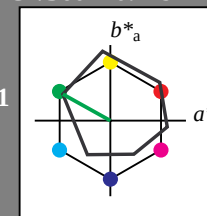
D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness

1,00



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

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

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

0,75

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	1.0	(1.0)
olvi6*	0.0	0.0	0.0	0.0	(0.0)
olvi7*	1.0	1.0	1.0	1.0	(1.0)
olvi8*	0.0	0.0	0.0	0.0	(0.0)
olvi9*	1.0	1.0	1.0	1.0	(1.0)
olvi10*	0.0	0.0	0.0	0.0	(0.0)
olvi11*	1.0	1.0	1.0	1.0	(1.0)
olvi12*	0.0	0.0	0.0	0.0	(0.0)
olvi13*	1.0	1.0	1.0	1.0	(1.0)
olvi14*	0.0	0.0	0.0	0.0	(0.0)
olvi15*	1.0	1.0	1.0	1.0	(1.0)
olvi16*	0.0	0.0	0.0	0.0	(0.0)
olvi17*	1.0	1.0	1.0	1.0	(1.0)
olvi18*	0.0	0.0	0.0	0.0	(0.0)
olvi19*	1.0	1.0	1.0	1.0	(1.0)
olvi20*	0.0	0.0	0.0	0.0	(0.0)
olvi21*	1.0	1.0	1.0	1.0	(1.0)
olvi22*	0.0	0.0	0.0	0.0	(0.0)
olvi23*	1.0	1.0	1.0	1.0	(1.0)
olvi24*	0.0	0.0	0.0	0.0	(0.0)
olvi25*	1.0	1.0	1.0	1.0	(1.0)
olvi26*	0.0	0.0	0.0	0.0	(0.0)
olvi27*	1.0	1.0	1.0	1.0	(1.0)
olvi28*	0.0	0.0	0.0	0.0	(0.0)
olvi29*	1.0	1.0	1.0	1.0	(1.0)
olvi30*	0.0	0.0	0.0	0.0	(0.0)
olvi31*	1.0	1.0	1.0	1.0	(1.0)
olvi32*	0.0	0.0	0.0	0.0	(0.0)
olvi33*	1.0	1.0	1.0	1.0	(1.0)
olvi34*	0.0	0.0	0.0	0.0	(0.0)
olvi35*	1.0	1.0	1.0	1.0	(1.0)
olvi36*	0.0	0.0	0.0	0.0	(0.0)
olvi37*	1.0	1.0	1.0	1.0	(1.0)
olvi38*	0.0	0.0	0.0	0.0	(0.0)
olvi39*	1.0	1.0	1.0	1.0	(1.0)
olvi40*	0.0	0.0	0.0	0.0	(0.0)
olvi41*	1.0	1.0	1.0	1.0	(1.0)
olvi42*	0.0	0.0	0.0	0.0	(0.0)
olvi43*	1.0	1.0	1.0	1.0	(1.0)
olvi44*	0.0	0.0	0.0	0.0	(0.0)
olvi45*	1.0	1.0	1.0	1.0	(1.0)
olvi46*	0.0	0.0	0.0	0.0	(0.0)
olvi47*	1.0	1.0	1.0	1.0	(1.0)
olvi48*	0.0	0.0	0.0	0.0	(0.0)
olvi49*	1.0	1.0	1.0	1.0	(1.0)
olvi50*	0.0	0.0	0.0	0.0	(0.0)
olvi51*	1.0	1.0	1.0	1.0	(1.0)
olvi52*	0.0	0.0	0.0	0.0	(0.0)
olvi53*	1.0	1.0	1.0	1.0	(1.0)
olvi54*	0.0	0.0	0.0	0.0	(0.0)
olvi55*	1.0	1.0	1.0	1.0	(1.0)
olvi56*	0.0	0.0	0.0	0.0	(0.0)
olvi57*	1.0	1.0	1.0	1.0	(1.0)
olvi58*	0.0	0.0	0.0	0.0	(0.0)
olvi59*	1.0	1.0	1.0	1.0	(1.0)
olvi60*	0.0	0.0	0.0	0.0	(0.0)
olvi61*	1.0	1.0	1.0	1.0	(1.0)
olvi62*	0.0	0.0	0.0	0.0	(0.0)
olvi63*	1.0	1.0	1.0	1.0	(1.0)
olvi64*	0.0	0.0	0.0	0.0	(0.0)
olvi65*	1.0	1.0	1.0	1.0	(1.0)
olvi66*	0.0	0.0	0.0	0.0	(0.0)
olvi67*	1.0	1.0	1.0	1.0	(1.0)
olvi68*	0.0	0.0	0.0	0.0	(0.0)
olvi69*	1.0	1.0	1.0	1.0	(1.0)
olvi70*	0.0	0.0	0.0	0.0	(0.0)
olvi71*	1.0	1.0	1.0	1.0	(1.0)
olvi72*	0.0	0.0	0.0	0.0	(0.0)
olvi73*	1.0	1.0	1.0	1.0	(1.0)
olvi74*	0.0	0.0	0.0	0.0	(0.0)
olvi75*	1.0	1.0	1.0	1.0	(1.0)
olvi76*	0.0	0.0	0.0	0.0	(0.0)
olvi77*	1.0	1.0	1.0	1.0	(1.0)
olvi78*	0.0	0.0	0.0	0.0	(0.0)
olvi79*	1.0	1.0	1.0	1.0	(1.0)
olvi80*	0.0	0.0	0.0	0.0	(0.0)
olvi81*	1.0	1.0	1.0	1.0	(1.0)
olvi82*	0.0	0.0	0.0	0.0	(0.0)
olvi83*	1.0	1.0	1.0	1.0	(1.0)
olvi84*	0.0	0.0	0.0	0.0	(0.0)
olvi85*	1.0	1.0	1.0	1.0	(1.0)
olvi86*	0.0	0.0	0.0	0.0	(0.0)
olvi87*	1.0	1.0	1.0	1.0	(1.0)
olvi88*	0.0	0.0	0.0	0.0	(0.0)
olvi89*	1.0	1.0	1.0	1.0	(1.0)
olvi90*	0.0	0.0	0.0	0.0	(0.0)
olvi91*	1.0	1.0	1.0	1.0	(1.0)
olvi92*	0.0	0.0	0.0	0.0	(0.0)
olvi93*	1.0	1.0	1.0	1.0	(1.0)
olvi94*	0.0	0.0	0.0	0.0	(0.0)
olvi95*	1.0	1.0	1.0	1.0	(1.0)
olvi96*	0.0	0.0	0.0	0.0	(0.0)
olvi97*	1.0	1.0	1.0	1.0	(1.0)
olvi98*	0.0	0.0	0.0	0.0	(0.0)
olvi99*	1.0	1.0	1.0	1.0	(1.0)
olvi100*	0.0	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	(0.5)
olvi4*	0.0	0.0	0.0	0.0	(0.0)
olvi5*	0.5	0.5	0.5	0.5	(0.5)
olvi6*	0.0	0.0	0.0	0.0	(0.0)
olvi7*	0.5	0.5	0.5	0.5	(0.5)
olvi8*	0.0	0.0	0.0	0.0	(0.0)
olvi9*	0.5	0.5	0.5	0.5	(0.5)
olvi10*	0.0	0.0	0.0	0.0	(0.0)
olvi11*	0.5	0.5	0.5	0.5	(0.5)
olvi12*	0.0	0.0	0.0	0.0	(0.0)
olvi13*	0.5	0.5	0.5	0.5	(0.5)
olvi14*	0.0	0.0	0.0	0.0	(0.0)
olvi15*	0.5	0.5	0.5	0.5	(0.5)
olvi16*	0.0	0.0	0.0	0.0	(0.0)
olvi17*	0.5	0.5	0.5	0.5	(0.5)
olvi18*	0.0	0.0	0.0	0.0	(0.0)
olvi19*	0.5	0.5	0.5	0.5	(0.5)
olvi20*	0.0	0.0	0.0	0.0	(0.0)
olvi21*	0.5	0.5	0.5	0.5	(0.5)
olvi22*	0.0	0.0	0.0	0.0	(0.0)
olvi23*	0.5	0.5	0.5	0.5	(0.5)
olvi24*	0.0	0.0	0.0	0.0	(0.0)
olvi25*	0.5	0.5	0.5	0.5	(0.5)
olvi26*	0.0	0.0	0.0	0.0	(0.0)
olvi27*	0.5	0.5	0.5	0.5	(0.5)
olvi28*	0.0	0.0	0.0	0.0	(0.0)
olvi29*	0.5	0.5	0.5	0.5	(0.5)
olvi30*	0.0	0.0	0.0	0.0	(0.0)
olvi31*	0.5	0.5	0.5	0.5	(0.5)
olvi32*	0.0	0.0	0.0	0.0	(0.0)
olvi33*	0.5	0.5	0.5	0.5	(0.5)
olvi34*	0.0	0.0	0.0	0.0	(0.0)
olvi35*	0.5	0.5	0.5	0.5	(0.5)
olvi36*	0.0	0.0	0.0	0.0	(0.0)
olvi37*	0.5	0.5	0.5	0.5	(0.5)
olvi38*	0.0	0.0	0.0	0.0	(0.0)
olvi39*	0.5	0.5	0.5	0.5	(0.5)
olvi40*	0.0	0.0	0.0	0.0	(0.0)
olvi41*	0.5	0.5	0.5	0.5	(0.5)
olvi42*	0.0	0.0	0.0	0.0	(0.0)
olvi43*	0.5	0.5	0.5	0.5	(0.5)
olvi44*	0.0	0.0	0.0	0.0	(0.0)
olvi45*	0.5	0.5	0.5	0.5	(0.5)
olvi46*	0.0	0.0	0.0	0.0	(0.0)
olvi47*	0.5	0.5	0.5	0.5	(0.5)
olvi48*	0.0	0.0	0.0	0.0	(0.0)
olvi49*	0.5	0.5	0.5	0.5	(0.5)
olvi50*	0.0	0.0	0.0	0.0	(0.0)
olvi51*	0.5	0.5	0.5	0.5	(0.5)
olvi52*	0.0	0.0	0.0	0.0	(0.0)
olvi53*	0.5	0.5	0.5	0.5	(0.5)
olvi54*	0.0	0.0	0.0	0.0	(0.0)
olvi55*	0.5	0.5	0.5	0.5	(0.5)
olvi56*	0.0	0.0	0.0	0.0	(0.0)
olvi57*	0.5	0.5	0.5	0.5	(0.5)
olvi58*	0.0	0.0	0.0	0.0	(0.0)
olvi59*	0.5	0.5	0.5	0.5	(0.5)
olvi60*	0.0	0.0	0.0	0.0	(0.0)
olvi61*	0.5	0.5	0.5	0.5	(0.5)
olvi62*	0.0	0.0	0.0	0.0	(0.0)
olvi63*	0.5	0.5	0.5	0.5	(0.5)
olvi64*	0.0	0.0	0.0	0.0	(0.0)
olvi65*	0.5	0.5	0.5	0.5	(0.5)
olvi66*	0.0	0.0	0.0	0.0	(0.0)
olvi67*	0.5	0.5	0.5	0.5	(0.5)
olvi68*	0.0	0.0	0.0	0.0	(0.0)
olvi69*	0.5	0.5	0.5	0.5	(0.5)
olvi70*	0.0	0.0	0.0	0.0	(0.0)
olvi71*	0.5	0.5	0.5	0.5	(0.5)
olvi72*	0.0	0.0	0.0	0.0	(0.0)
olvi73*	0.5	0.5	0.5	0.5	(0.5)
olvi74*	0.0	0.0	0.0	0.0	(0.0)
olvi75*	0.5	0.5	0.5	0.5	(0.5)
olvi76*	0.0	0.0	0.0	0.0	(0

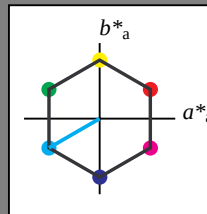
Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$

lab^*tch and lab^*nch

D65: hue C
LCH*Ma: 57 77 210
olv*Ma: 0.0 1.0 1.0

triangle lightness



SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
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N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
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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

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

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

1,00

0,75

n* = 0,00

0,25

n* = 0,25

n* = 0,50

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

blackness n^*

OE470-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)



BAM-test chart OE47; Colorimetric systems SRS18 & ORS18

D65: 5 step colour scales and coordinate data for 10 hues

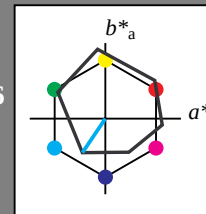
Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

lab^*tch and lab^*nch

D65: hue C
LCH*Ma: 59 54 236
olv*Ma: 0.0 1.0 1.0

triangle lightness



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

n* = 0,00

0,25

n* = 0,25

n* = 0,50

0,00

0,25

0,50

0,75

1,00

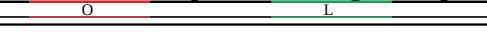
chromaticness c^*

blackness n^*

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

input: $cmY0^* set cmykcolor$

output: no change compared to input



Input: Colorimetric Standard Reflective System SRS18

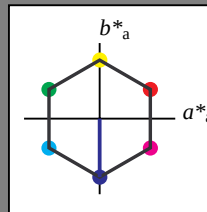
for hue $h^* = lab \cdot h = 270/360 = 0.75$

$lab \cdot tch$ and $lab \cdot nch$

D65: hue V
LCH*Ma: 57 77 270
olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00



SRS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
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

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

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

1,00

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,00$

$n^* = 1,0$

blackness n^*

chromaticness c^*

OE470-7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)



BAM-test chart OE47; Colorimetric systems SRS18 & ORS18

D65: 5 step colour scales and coordinate data for 10 hues

Output: Colorimetric Offset Reflective System ORS18

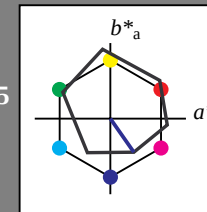
for hue $h^* = lab \cdot h = 305/360 = 0.847$

$lab \cdot tch$ and $lab \cdot nch$

D65: hue V
LCH*Ma: 26 54 305
olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00



%Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	95.41	-0.98	4.75		
LAB*Lab	95.41	0.0	0.0		
LAB*TCh	98.99	0.01	0.0		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
lab*trj	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tch	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		

standard and adapted CIELAB					
LAB*LAB	77.99	7.12	-7.51		
LAB*Lab	77.99	7.77	-11.09		
LAB*TCh	87.5	13.55	305.0		
relative CIELAB lab*					
lab*lab	0.75	0.143	-0.204		
lab*tch	0.875	0.25	0.847		
lab*nch	0.0	0.25	0.847		
lab*trj	0.75	0.112	-0.222		
lab*tch	0.875	0.25	0.824		
lab*nch	0.0	0.25	0.824		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	76.06	-0.61	3.44		
LAB*Lab	76.06	0.0	0.0		
LAB*TCh	75.0	0.01	0.0		
relative CIELAB lab*					
lab*lab	0.75	0.0	0.0		
lab*tch	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
lab*trj	0.75	0.0	0.0		
lab*tch	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	0.5	(0.0)
olvi4*	0.75	0.75	0.75	0.75	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	58.64	7.49	-8.82		
LAB*Lab	58.64	7.77	-11.09		
LAB*TCh	62.5	13.55	305.0		
relative CIELAB lab*					
lab*lab	0.5	0.143	-0.204		
lab*tch	0.625	0.25	0.847		
lab*nch	0.25	0.25	0.847		
lab*trj	0.5	0.112	-0.222		
lab*tch	0.625	0.25	0.824		
lab*nch	0.25	0.25	0.824		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	56.71	0.24	2.14		
LAB*Lab	56.71	0.0	0.0		
LAB*TCh	50.0	0.01	0.0		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	0.0		
lab*nch	0.25	0.0	0.0		
lab*trj	0.5	0.0	0.0		
lab*tch	0.5	0.0	0.0		
lab*nch	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	39.92	7.87	-10.13		
LAB*Lab	39.92	7.77	-11.09		
LAB*TCh	37.5	13.55	305.0		
relative CIELAB lab*					
lab*lab	0.25	0.143	-0.204		
lab*tch	0.375	0.25	0.847		
lab*nch	0.25	0.25	0.847		
lab*trj	0.25	0.112	-0.222		
lab*tch	0.375	0.25	0.824		
lab*nch	0.25	0.25	0.824		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.47		
LAB*Lab	18.02	0.0	0.0		
LAB*TCh	0.01	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
lab*trj	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		

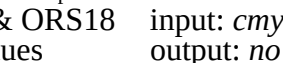
relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	19.94	7.77	-11.43		
LAB*Lab	19.94	7.77	-11.09		
LAB*TCh	12.5	13.55	305.0		
relative CIELAB lab*					
lab*lab	0.025	0.143	-0.204		
lab*tch	0.125	0.25	0.847		
lab*nch	0.025	0.25	0.847		
lab*trj	0.025	0.112	-0.222		
lab*tch	0.125	0.25	0.824		
lab*nch	0.025	0.25	0.824		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.47		
LAB*Lab	18.02	0.0	0.0		
LAB*TCh	0.01	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
lab*trj	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.47		
LAB*Lab	18.02	0.0	0.0		
LAB*TCh	0.01	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
lab*trj	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.47		
LAB*Lab	18.02	0.0	0.0		
LAB*TCh	0.01	0.0	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
lab*trj	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)



input: $cmY0^* set cmykcolor$

output: no change compared to input

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	1

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab \cdot h = 330/360 = 0.917$

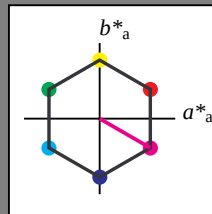
$lab \cdot tch$ and $lab \cdot nch$

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness



SRS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
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

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 354/360 = 0.982$

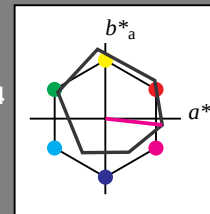
$lab \cdot tch$ and $lab \cdot nch$

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness



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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

OE470-7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

BAM-test chart OE47; Colorimetric systems SRS18 & ORS18

D65: 5 step colour scales and coordinate data for 10 hues

input: $cmY0^* set cmykcolor$

output: no change compared to input

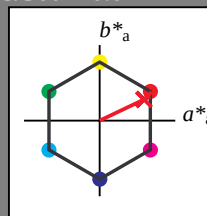
Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab \cdot h = 25/360 = 0.071$

$lab \cdot tch$ and $lab \cdot nch$

D65: hue R
LCH*Ma: 57 74 25
olv*Ma: 1.0 0.0 0.09

triangle lightness



SRS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
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

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

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

1,00

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

OE470-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)



BAM-test chart OE47; Colorimetric systems SRS18 & ORS18

D65: 5 step colour scales and coordinate data for 10 hues

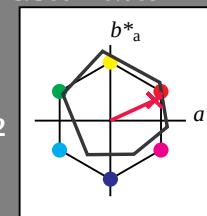
Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 25/360 = 0.069$

$lab \cdot tch$ and $lab \cdot nch$

D65: hue R
LCH*Ma: 48 75 25
olv*Ma: 1.0 0.0 0.32

triangle lightness



%Gamut

$u^*_{rel} = 93$

1,00

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

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

input: $cmY0^* set cmykcolor$

output: no change compared to input

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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$

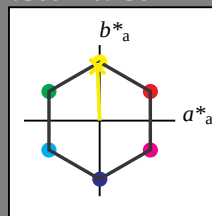
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness



SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
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

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

OE470-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

BAM-test chart OE47; Colorimetric systems SRS18 & ORS18

D65: 5 step colour scales and coordinate data for 10 hues

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

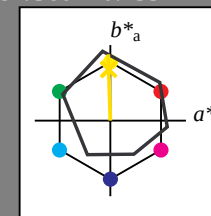
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness



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

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

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

0,25

0,50

0,75

1,00

chromaticness c^*

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

input: $cmY0^* set cmykcolor$

output: no change compared to input

Input: Colorimetric Standard Reflective System SRS18

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

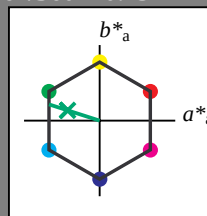
$lab \cdot tch$ and $lab \cdot nch$

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

triangle lightness



SRS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
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

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 164/360 = 0.457$

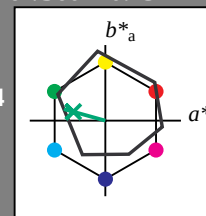
$lab \cdot tch$ and $lab \cdot nch$

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness



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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

OE470-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

BAM-test chart OE47; Colorimetric systems SRS18 & ORS18

D65: 5 step colour scales and coordinate data for 10 hues

input: `cmv0* setcmvcolor`

output: *no change compared to input*

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab \cdot h = 272/360 = 0.755$

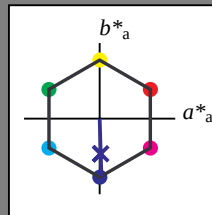
$lab \cdot tch$ and $lab \cdot nch$

D65: hue B

LCH*Ma: 57 76 272

olv*Ma: 0.03 0.0 1.0

triangle lightness



SRS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
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

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

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

1,00

0,75

blackness n^*

chromaticness c^*

OE470-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

BAM-test chart OE47; Colorimetric systems SRS18 & ORS18

D65: 5 step colour scales and coordinate data for 10 hues

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 271/360 = 0.754$

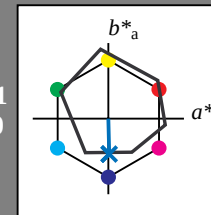
$lab \cdot tch$ and $lab \cdot nch$

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness



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

blackness n^*

chromaticness c^*

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

input: $cmY0^* \text{ set } cmYkcolor$

output: no change compared to input