

Input: Colorimetric Offset Reflective System ORS18

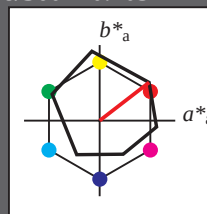
for hue $h^* = lab \cdot h = 38/360 = 0.105$

$lab \cdot tch$ 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

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

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

1,00

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	95.41	0.0	0.0		
LAB*LABc	95.41	0.0	0.0		
LAB*LABd	95.41	0.0	0.0		
LAB*LABe	95.41	0.0	0.0		
LAB*LABf	95.41	0.0	0.0		
LAB*LABg	95.41	0.0	0.0		
LAB*LABh	95.41	0.0	0.0		
LAB*LABi	95.41	0.0	0.0		
LAB*LABj	95.41	0.0	0.0		
LAB*LABk	95.41	0.0	0.0		
LAB*LABl	95.41	0.0	0.0		
LAB*LABm	95.41	0.0	0.0		
LAB*LABn	95.41	0.0	0.0		
LAB*LABo	95.41	0.0	0.0		
LAB*LABp	95.41	0.0	0.0		
LAB*LABq	95.41	0.0	0.0		
LAB*LABr	95.41	0.0	0.0		
LAB*LABs	95.41	0.0	0.0		
LAB*LABt	95.41	0.0	0.0		
LAB*LABu	95.41	0.0	0.0		
LAB*LABv	95.41	0.0	0.0		
LAB*LABw	95.41	0.0	0.0		
LAB*LABx	95.41	0.0	0.0		
LAB*LABy	95.41	0.0	0.0		
LAB*LABz	95.41	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	1.0	0.75	0.75	(1.0)	
cmyn3*	0.0	0.25	0.25	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	85.73	16.75	9.67		
LAB*LABa	85.73	16.75	9.67		
LAB*LABb	85.73	16.75	9.67		
LAB*LABc	85.73	16.75	9.67		
LAB*LABd	85.73	16.75	9.67		
LAB*LABe	85.73	16.75	9.67		
LAB*LABf	85.73	16.75	9.67		
LAB*LABg	85.73	16.75	9.67		
LAB*LABh	85.73	16.75	9.67		
LAB*LABi	85.73	16.75	9.67		
LAB*LABj	85.73	16.75	9.67		
LAB*LABk	85.73	16.75	9.67		
LAB*LABl	85.73	16.75	9.67		
LAB*LABm	85.73	16.75	9.67		
LAB*LABn	85.73	16.75	9.67		
LAB*LABo	85.73	16.75	9.67		
LAB*LABp	85.73	16.75	9.67		
LAB*LABq	85.73	16.75	9.67		
LAB*LABr	85.73	16.75	9.67		
LAB*LABs	85.73	16.75	9.67		
LAB*LABt	85.73	16.75	9.67		
LAB*LABu	85.73	16.75	9.67		
LAB*LABv	85.73	16.75	9.67		
LAB*LABw	85.73	16.75	9.67		
LAB*LABx	85.73	16.75	9.67		
LAB*LABy	85.73	16.75	9.67		
LAB*LABz	85.73	16.75	9.67		

relative Inform. Technology (IT)					
olvi3*	0.75	0.5	0.5	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.07	0.0	0.0		
LAB*LABa	76.07	0.0	0.0		
LAB*LABb	76.07	0.0	0.0		
LAB*LABc	76.07	0.0	0.0		
LAB*LABd	76.07	0.0	0.0		
LAB*LABe	76.07	0.0	0.0		
LAB*LABf	76.07	0.0	0.0		
LAB*LABg	76.07	0.0	0.0		
LAB*LABh	76.07	0.0	0.0		
LAB*LABi	76.07	0.0	0.0		
LAB*LABj	76.07	0.0	0.0		
LAB*LABk	76.07	0.0	0.0		
LAB*LABl	76.07	0.0	0.0		
LAB*LABm	76.07	0.0	0.0		
LAB*LABn	76.07	0.0	0.0		
LAB*LABo	76.07	0.0	0.0		
LAB*LABp	76.07	0.0	0.0		
LAB*LABq	76.07	0.0	0.0		
LAB*LABr	76.07	0.0	0.0		
LAB*LABs	76.07	0.0	0.0		
LAB*LABt	76.07	0.0	0.0		
LAB*LABu	76.07	0.0	0.0		
LAB*LABv	76.07	0.0	0.0		
LAB*LABw	76.07	0.0	0.0		
LAB*LABx	76.07	0.0	0.0		
LAB*LABy	76.07	0.0	0.0		
LAB*LABz	76.07	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.25	0.25	(1.0)	
cmyn3*	0.25	0.0	0.0	(0.0)	
olvi4*	1.0	0.5	0.5	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.72	0.0	0.0		
LAB*LABa	56.72	0.0	0.0		
LAB*LABb	56.72	0.0	0.0		
LAB*LABc	56.72	0.0	0.0		
LAB*LABd	56.72	0.0	0.0		
LAB*LABe	56.72	0.0	0.0		
LAB*LABf	56.72	0.0	0.0		
LAB*LABg	56.72	0.0	0.0		
LAB*LABh	56.72	0.0	0.0		
LAB*LABi	56.72	0.0	0.0		
LAB*LABj	56.72	0.0	0.0		
LAB*LABk	56.72	0.0	0.0		
LAB*LABl	56.72	0.0	0.0		
LAB*LABm	56.72	0.0	0.0		
LAB*LABn	56.72	0.0	0.0		
LAB*LABo	56.72	0.0	0.0		
LAB*LABp	56.72	0.0	0.0		
LAB*LABq	56.72	0.0	0.0		
LAB*LABr	56.72	0.0	0.0		
LAB*LABs	56.72	0.0	0.0		
LAB*LABt	56.72	0.0	0.0		
LAB*LABu	56.72	0.0	0.0		
LAB*LABv	56.72	0.0	0.0		
LAB*LABw	56.72	0.0	0.0		
LAB*LABx	56.72	0.0	0.0		
LAB*LABy	56.72	0.0	0.0		
LAB*LABz	56.72	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.0	0.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	0.25	0.25	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.37	0.0	0.0		
LAB*LABa	37.37	0.0	0.0		
LAB*LABb	37.37	0.0	0.0		
LAB*LABc	37.37	0.0	0.0		
LAB*LABd	37.37	0.0	0.0		
LAB*LABe	37.37	0.0	0.0		
LAB*LABf	37.37	0.0	0.0		
LAB*LABg	37.37	0.0	0.0		
LAB*LABh	37.37	0.0	0.0		
LAB*LABi	37.37	0.0	0.0		
LAB*LABj	37.37	0.0	0.0		
LAB*LABk	37.37	0.0	0.0		
LAB*LABl	37.37	0.0	0.0		
LAB*LABm	37.37	0.0	0.0		
LAB*LABn	37.37	0.0	0.0		
LAB*LABo	37.37	0.0	0.0		
LAB*LABp	37.37	0.0	0.0		
LAB*LABq	37.37	0.0	0.0		
LAB*LABr	37.37	0.0	0.0		
LAB*LABs	37.37	0.0	0.0		
LAB*LABt	37.37	0.0	0.0		
LAB*LABu	37.37	0.0	0.0		
LAB*LABv	37.37	0.0	0.0		
LAB*LABw	37.37	0.0	0.0		
LAB*LABx	37.37	0.0	0.0		
LAB*LABy	37.37	0.0	0.0		
LAB*LABz	37.37	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	0.0	0.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.03	0.0	0.0		
LAB*LABa	18.03	0.0	0.0		
LAB*LABb	18.03	0.0	0.0		
LAB*LABc	18.03	0.0	0.0		
LAB*LABd	18.03	0.0	0.0		
LAB*LABe	18.03	0.0	0.0		
LAB*LABf	18.03	0.0	0.0		
LAB*LABg	18.03	0.0	0.0		
LAB*LABh	18.03	0.0	0.0		
LAB*LABi	18.03	0.0	0.0		
LAB*LABj	18.03	0.0	0.0		
LAB*LABk	18.03	0.0	0.0		
LAB*LABl	18.03	0.0	0.0		
LAB*LABm	18.03	0.0	0.0		
LAB*LABn	18.03	0.0	0.0		
LAB*LABo	18.03	0.0	0.0		
LAB*LABp	18.03	0.0	0.0		
LAB*LABq	18.03	0.0	0.0		
LAB*LABr	18.03	0.0	0.0		
LAB*LABs	18.03	0.0	0.0		
LAB*LABt	18.03	0.0	0.0		
LAB*LABu	18.03	0.0	0.0		
LAB*LABv	18.03	0.0	0.0		
LAB*LABw	18.03	0.0	0.0		
LAB*LABx	18.03	0.0	0.0		
LAB*LABy	18.03	0.0	0.0		
LAB*LABz	18.03	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	0.25	
cmyn4*	0.0	0.0	0.0	0.75	
standard and adapted CIELAB					
LAB*LAB	37.37	0.0	0.0		
LAB*LABa	37.37	0.0	0.0		
LAB*LABb	37.37	0.0	0.0		
LAB*LABc	37.37	0.0	0.0		
LAB*LABd	37.37	0.0	0.0		
LAB*LABe	37.37	0.0	0.0		
LAB*LABf	37.37	0.0	0.0		
LAB*LABg	37.37	0.0	0.0		
LAB*LABh	37.37	0.0	0.0		
LAB*LABi	37.37	0.0	0.0		
LAB*LABj	37.37	0.0	0.0		
LAB*LABk	37.37	0.0	0.0		
LAB*LABl	37.37	0.0	0.0		
LAB*LABm	37.37	0.0	0.0		
LAB*LABn	37.37	0.0	0.0		
LAB*LABo	37.37	0.0	0.0		
LAB*LABp	37.37	0.0	0.0		
LAB*LABq	37.37	0.0	0.0		
LAB*LABr	37.37	0.0	0.0		
LAB*LABs	37.37	0.0	0.0		
LAB*LABt	37.37	0.0	0.0		
LAB*LABu	37.37	0.0	0.0		
LAB*LABv	37.37	0.0	0.0		
LAB*LABw	37.37	0.0	0.0		
LAB*LABx	37.37	0.0	0.0		
LAB*LABy	37.37	0.0	0.0		
LAB*LABz	37.37	0.0	0.0		

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 96/360 = 0.268$

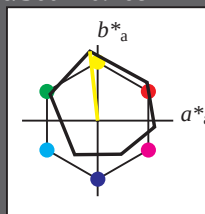
$lab \cdot tch$ and $lab \cdot nch$

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 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

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

OE420-7, 5 step scales for constant CIELAB hue 96/360 = 0.268 (left)



BAM-test chart OE42; Colorimetric systems ORS18 & SRS18

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

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab \cdot h = 90/360 = 0.25$

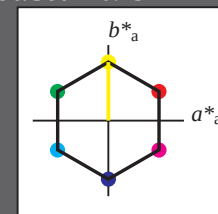
$lab \cdot tch$ and $lab \cdot nch$

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 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

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

5 step scales for constant CIELAB hue 90/360 = 0.25 (right)



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

output: $cmY0^* / 000n^* \text{ set } cmykcolor$

Input: Colorimetric Offset Reflective System ORS18

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

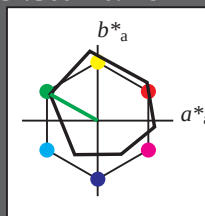
$lab \cdot tch$ and $lab \cdot nch$

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness



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^*

1,00

Output: Colorimetric Standard Reflective System SRS18

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

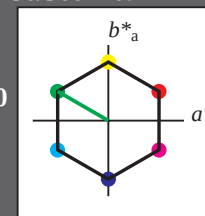
$lab \cdot tch$ and $lab \cdot nch$

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

triangle lightness



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^*

1,00

OE420-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

BAM-test chart OE42; Colorimetric systems ORS18 & SRS18

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

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

output: $cmY0^* / 000n^* \text{ set } cmykcolor$

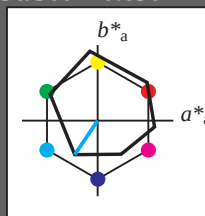
Input: Colorimetric Offset Reflective System ORS18

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

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

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

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

OE420-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)



BAM-test chart OE42; Colorimetric systems ORS18 & SRS18

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

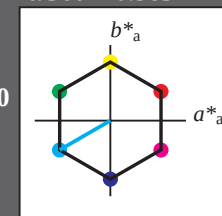
Output: Colorimetric Standard Reflective System SRS18

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

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

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

triangle lightness



%Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)					
olvi3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	1.0	1.0	1.0	1.0	
cmyn4*	0.0	0.0	0.0	0.0	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0		
LAB*LABa	95.41	0.0	0.0		
LAB*TCha	98.91	0.01			

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*tch	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
lab*trj	1.0	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olvi4*	1.0	1.0	1.0	1.0	
cmyn4*	0.0	0.0	0.0	0.25	
standard and adapted CIELAB					
LAB*LAB	76.07	0.0	0.0		
LAB*LABa	76.07	0.0	0.0		
LAB*TCha	75.0	0.01			

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		
relative Natural Colour (NC)					
lab*tch	0.75	0.0	0.0		
lab*nch	0.25	0.0	0.0		
lab*trj	0.75	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olvi4*	1.0	1.0	1.0	1.0	
cmyn4*	0.0	0.0	0.0	0.5	
standard and adapted CIELAB					
LAB*LAB	56.72	0.0	0.0		
LAB*LABa	56.72	0.0	0.0		
LAB*TCha	50.0	0.01			

relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*tch	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
lab*trj	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*tch	0.5	0.0	0.0		
lab*nch	0.5	0.0	0.0		
lab*trj	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olvi4*	1.0	1.0	1.0	1.0	
cmyn4*	0.0	0.0	0.0	0.25	
standard and adapted CIELAB					
LAB*LAB	37.37	0.0	0.0		
LAB*LABa	37.37	0.0	0.0		
LAB*TCha	25.0	0.01			

relative CIELAB lab*					
lab*lab	0.25	0.0	0.0		
lab*tch	0.25	0.0	0.0		
lab*nch	0.75	0.0	0.0		
lab*trj	0.25	0.0	0.0		
relative Natural Colour (NC)					
lab*tch	0.25	0.0	0.0		
lab*nch	0.75	0.0	0.0		
lab*trj	0.25	0.0	0.0		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olvi4*	1.0	1.0	1.0	1.0	
cmyn4*	0.0	0.0	0.0	1.0	
standard and adapted CIELAB					
LAB*LAB	18.03	0.0	0.0		
LAB*LABa	18.03	0.0	0.0		
LAB*TCha	0.01	0.01			

relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
lab*trj	1.0	0.0	0.0		
relative Natural Colour (NC)					
lab*tch	0.0	0.0	0.0		
lab*nch	1.0	0.0	0.0		
lab*trj	1.0	0.0	0.0		

$n^* = 1,0$

5 step scales for constant CIELAB hue 210/360 = 0.583 (right)

input: $cm y 0^* \text{ set } c m y k c o l o r$

output: $cm y 0^* / 000 n^* \text{ set } c m y k c o l o r$

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

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

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

relative Inform. Technology (IT)					
olvi3*	0.5	1.0	1.0	(1.0)	
cmyn3*	0.5	0.0	0.0	(0.0)	
olvi4*	0.5	1.0	1.0	1.0	
cmyn4*	0.5	0.0	0.0	0.25	
standard and adapted CIELAB					
LAB*LAB	76.06	-33.5	-19.34		
LAB*LABa	76.06	-33.5	-19.34		
LAB*TCha	75.0	38.69	21.00		

relative CIELAB lab*					
lab*lab	0.75	-0.432	-0.249		
lab*tch	0.75	0.5	0.583		
lab*nch	0.0	0.5	0.583		
lab*trj	0.75	-0.192	-0.157		
relative Natural Colour (NC)					
lab*tch	0.75	0.5	0.609		
lab*nch	0.0	0.5	0.609		
lab*trj	0.75	-0.386	-0.315		

relative Inform. Technology (IT)					
olvi3*	0.25	0.75	0.75	(1.0)	
cmyn3*	0.75	0.25	0.25	(0.0)	
olvi4*	0.5	1.0	1.0	1.0	
cmyn4*	0.5	0.0	0.0	0.25	
standard and adapted CIELAB					
LAB*LAB	56.71	-33.5	-19.34		
LAB*LABa	56.71	-33.5	-19.34		
LAB*TCha	50.0	38.7	21.00		

relative CIELAB lab*					
lab*lab	0.5	0.5	0.5		
lab*tch	0.5	0.5	0.583		
lab*nch	0.5	0.5	0.583		
lab*trj	0.5	-0.386	-0.315		
relative Natural Colour (NC)					
lab*tch	0.5	0.5	0.609		
lab*nch	0.5	0.5	0.609		
lab*trj	0.5	-0.386	-0.315		

relative Inform. Technology (IT)					
olvi3*	0.0	0.5	0.5	(1.0)	
cmyn3*	1.0	0.25	0.25	(0.0)	
olvi4*	0.25	1.0	1.0	1.0	
cmyn4*	0.5	0.0	0.0	0.25	
standard and adapted CIELAB					
LAB*LAB	47.04	-50.26	-29.01		
LAB*LABa	47.04	-50.26	-29.01		
LAB*TCha	37.51	58.04	21.00		

relative CIELAB lab*					
lab*lab	0.375	-0.648	-0.374		
lab*tch	0.375	0.75	0.583		
lab*nch	0.5	0.25	0.583		
lab*trj	0.375	-0.58	-0.474		
relative Natural Colour (NC)					
lab*tch	0.375	0.75	0.609		
lab*nch	0.5	0.25	0.609		
lab*trj	0.375	-0.58	-0.474		

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	0.0	0.0	(0.0)	
olvi4*	0.0	1.0	1.0	1.0	
cmyn4*	0.0	0.0	0.0	1.0	
standard and adapted CIELAB					
LAB*LAB	18.03	0.0	0.0		
LAB*LABa	18.03	0.0	0.0		
LAB*TCha	0.01	0.01			

0,50

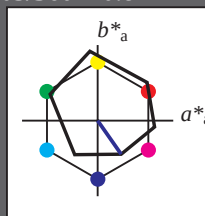
Input: Colorimetric Offset Reflective System ORS18

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



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

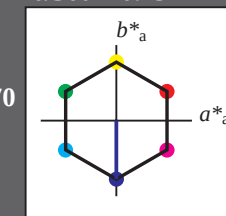
Output: Colorimetric Standard Reflective System SRS18

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



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

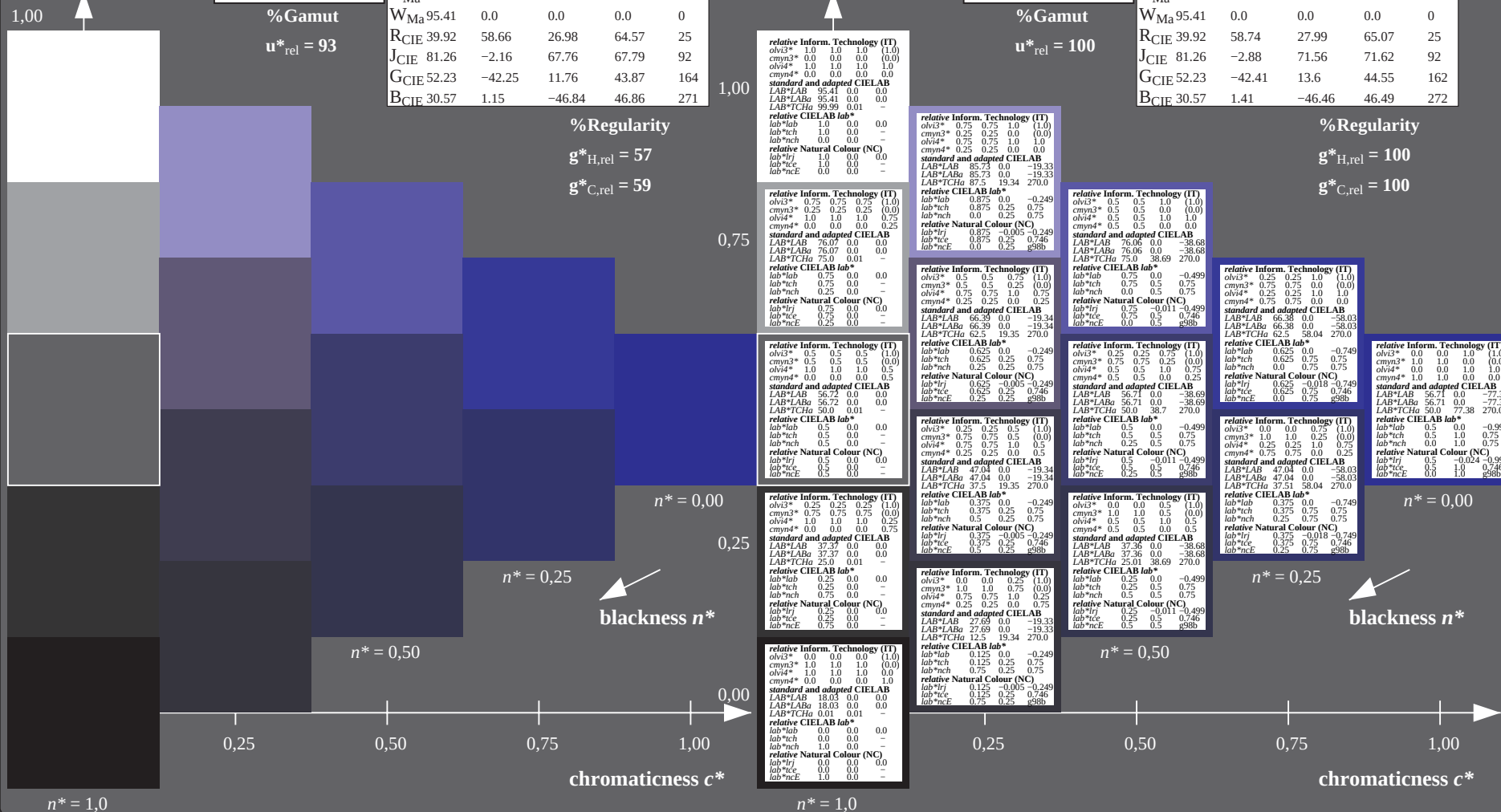
%Regularity

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

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

1,00

1,00



OE420-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

BAM-test chart OE42; Colorimetric systems ORS18 & SRS18

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

input: $cmy0^* \text{ setcmykcolor}$

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

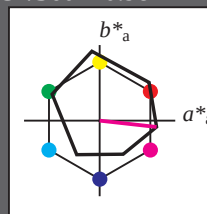
Input: Colorimetric Offset Reflective System ORS18

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

lab^*tch and lab^*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

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

OE420-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)



BAM-test chart OE42; Colorimetric systems ORS18 & SRS18

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

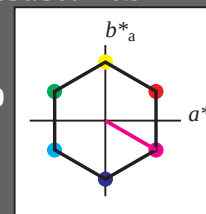
Output: Colorimetric Standard Reflective System SRS18

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

lab^*tch and lab^*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

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

input: $cmY0^* \text{ setcmykcolor}$

output: $cmY0^* / 000n^* \text{ setcmykcolor}$

Input: Colorimetric Offset Reflective System ORS18

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

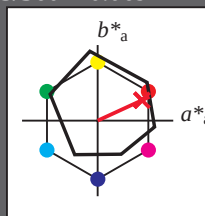
$lab \cdot tch$ and $lab \cdot nch$

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness



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^*

1,00

Output: Colorimetric Standard Reflective System SRS18

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

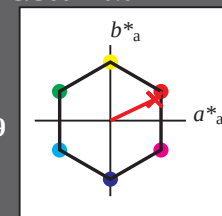
$lab \cdot tch$ and $lab \cdot nch$

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness



%Gamut

$u^*_{rel} = 100$

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

$n^* = 0,25$

blackness n^*

chromaticness c^*

1,00

OE420-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

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

BAM-test chart OE42; Colorimetric systems ORS18 & SRS18

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

input: $cmY0^* \text{ setcmYkcolor}$

output: $cmY0^* / 000n^* \text{ setcmYkcolor}$

Input: Colorimetric Offset Reflective System ORS18

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

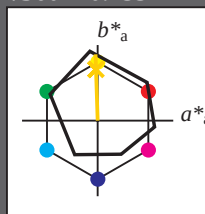
$lab \cdot tch$ and $lab \cdot nch$

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

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

OE420-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)



BAM-test chart OE42; Colorimetric systems ORS18 & SRS18

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

Output: Colorimetric Standard Reflective System SRS18

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

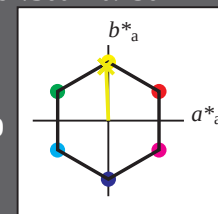
$lab \cdot tch$ and $lab \cdot nch$

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 100$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

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

input: $cmY0^* \text{ setcmYkcolor}$

output: $cmY0^* / 000n^* \text{ setcmYkcolor}$

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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

input: $cmY0^* \text{ setcmYkcolor}$

output: $cmY0^* / 000n^* \text{ setcmYkcolor}$

Input: Colorimetric Offset Reflective System ORS18

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

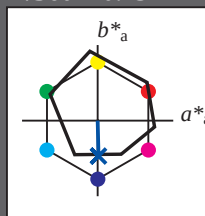
$lab \cdot tch$ and $lab \cdot nch$

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

Output: Colorimetric Standard Reflective System SRS18

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

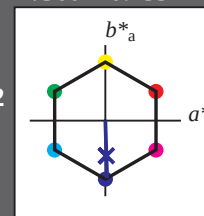
$lab \cdot tch$ and $lab \cdot nch$

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

0,00

chromaticness c^*

1,00

0,75

0,50

0,25

0,00

$n^* = 1,0$

1,00

0,75

0,50

0,25

0,00

$n^* = 1,0$

1,00

0,75

0,50

0,25

0,00

$n^* = 1,0$

1,00

0,75

0,50

0,25

0,00

$n^* = 1,0$

OE420-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

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

BAM-test chart OE42; Colorimetric systems ORS18 & SRS18

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

input: `cmY0* setcmYcolor`

output: `cmY0* / 000n* setcmYcolor`