

Input: Colorimetric Standard Reflective System SRS18

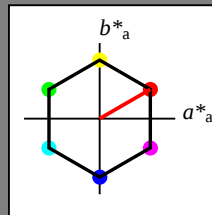
for hue $h^* = lab \cdot h = 30/360 = 0.083$ $lab \cdot tch$ and $lab \cdot nch$

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

triangle lightness



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^*

NE470-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

BAM-test chart NE47; Colorimetric systems ORS18 & ORS18

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

Output: Colorimetric Offset Reflective System ORS18

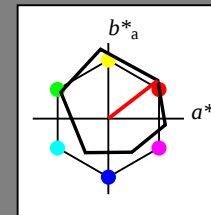
for hue $h^* = lab \cdot h = 38/360 = 0.105$ $lab \cdot tch$ and $lab \cdot nch$

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness



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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$ $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ chromaticness c^*

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

input: $olv^* \cdot setrgbcolor$

output: Startup (S) data dependend

Input: Colorimetric Standard Reflective System SRS18

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

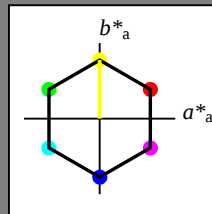
$lab \cdot tch$ and $lab \cdot nch$

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

triangle lightness

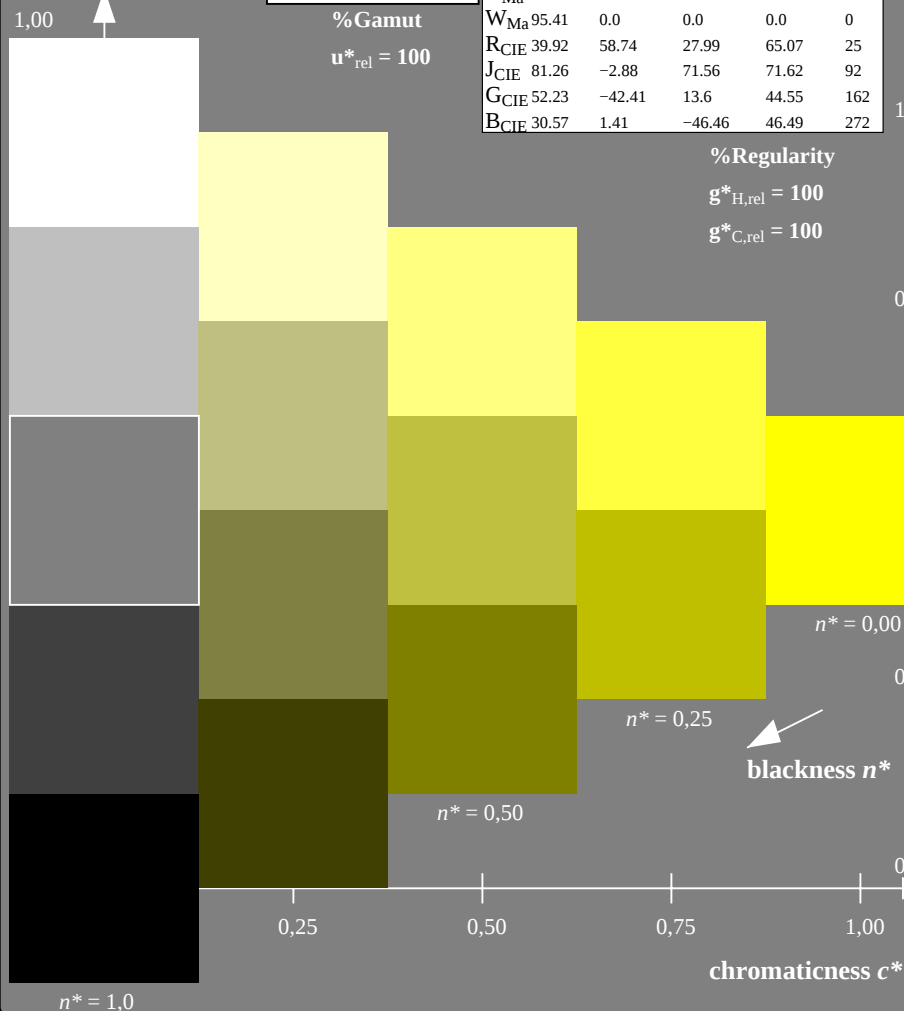


SRS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}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

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

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



NE470-7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

BAM-test chart NE47; Colorimetric systems ORS18 & ORS18

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

Output: Colorimetric Offset Reflective System ORS18

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

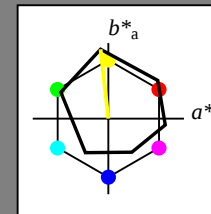
$lab \cdot tch$ and $lab \cdot nch$

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness

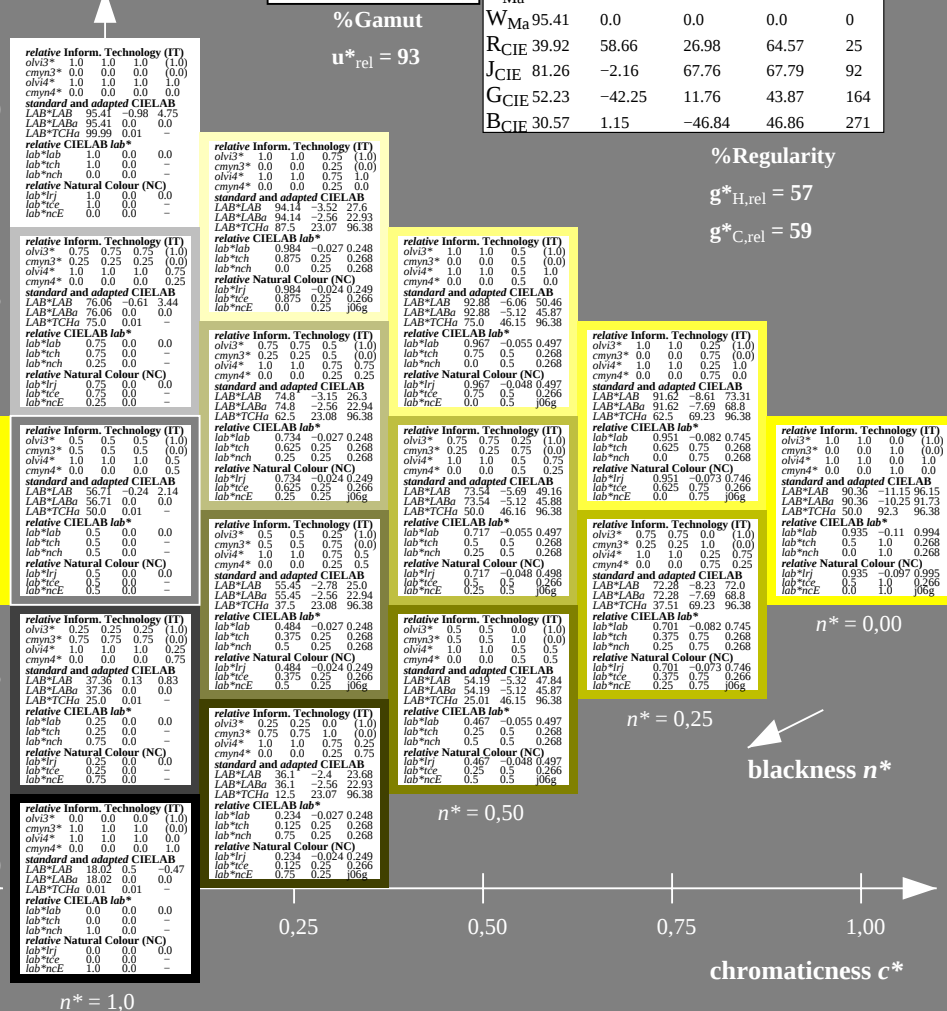


ORS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
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

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

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



5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

input: $olv \cdot setrgbcolor$

output: Startup (S) data dependend

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

%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

0,75

0,50

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

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

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

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

0,75

0,50

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

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

%Gamut

$u^*_{rel} = 93$

%Regularity

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

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

0,75

0,50

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

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

0,50

0,25

0,00

blackness n^*

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

1,00

NE470-7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

BAM-test chart NE47; Colorimetric systems ORS18 & ORS18

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

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

input: $olv^* \cdot setrgbcolor$

output: Startup (S) data dependend

Input: Colorimetric Standard Reflective System SRS18

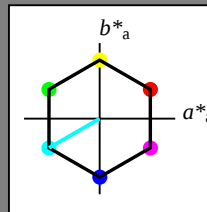
for hue $h^* = lab \cdot h = 210/360 = 0.583$

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

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

triangle lightness

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

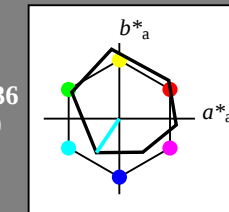
for hue $h^* = lab \cdot h = 236/360 = 0.656$

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

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

triangle lightness

1,00



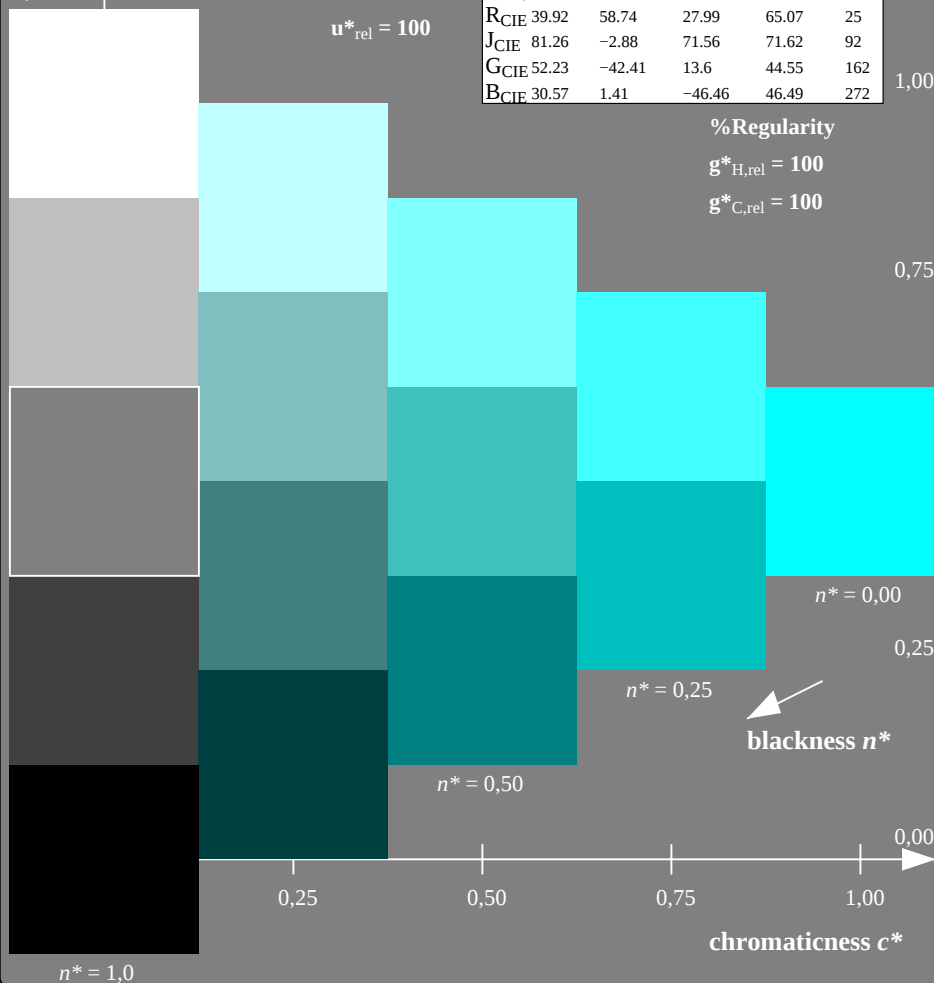
ORS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
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

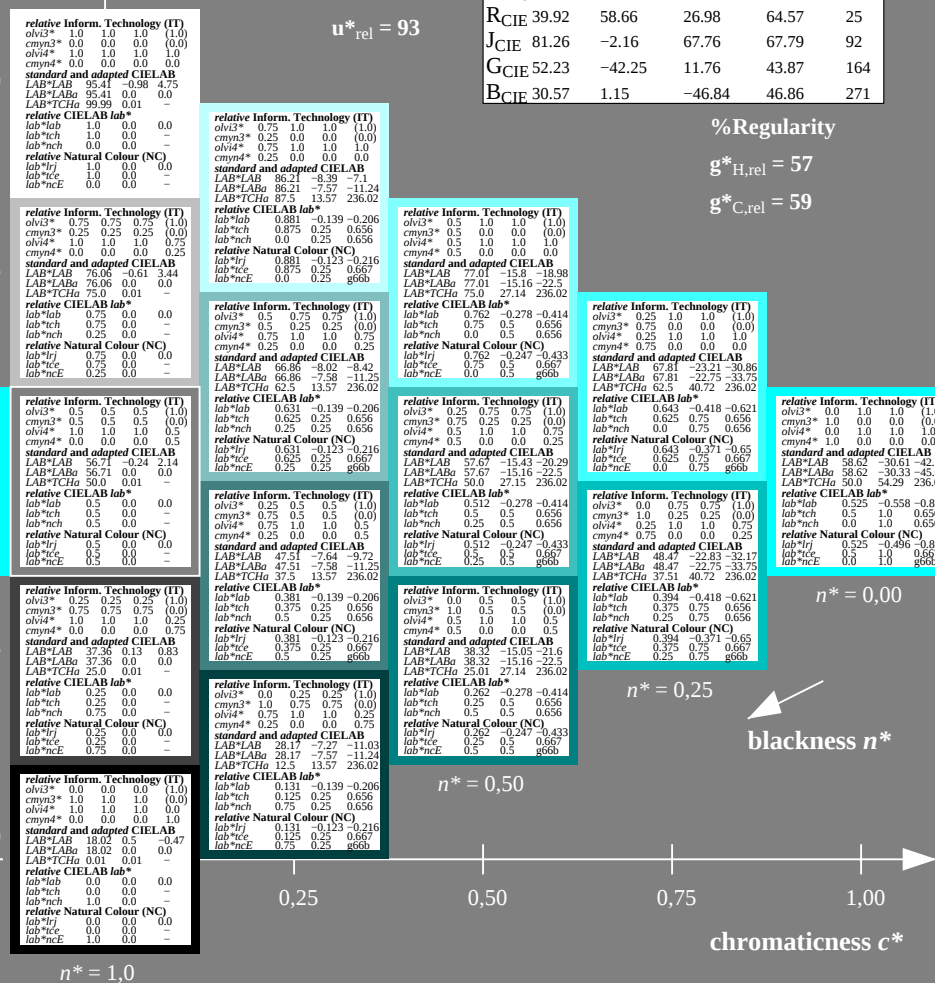
$g^*_{H,rel} = 57$

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

1,00



NE470-7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)



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

BAM-test chart NE47; Colorimetric systems ORS18 & ORS18

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

input: $olv^* \cdot setrgbcolor$

output: Startup (S) data dependend

Input: Colorimetric Standard Reflective System SRS18

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

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

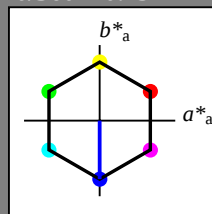
D65: hue V

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

Output: Colorimetric Offset Reflective System ORS18

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

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

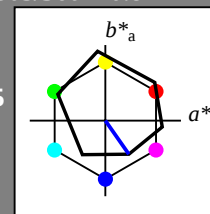
D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness

1,00



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)	
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	56.71	0.0	0.0	0.0	
LAB*LABa	56.71	0.0	0.0	0.0	
LAB*LABb	56.71	0.0	0.0	0.0	
LAB*LABc	56.71	0.0	0.0	0.0	
LAB*LABd	56.71	0.0	0.0	0.0	
LAB*LABe	56.71	0.0	0.0	0.0	
LAB*LABf	56.71	0.0	0.0	0.0	
LAB*LABg	56.71	0.0	0.0	0.0	
LAB*LABh	56.71	0.0	0.0	0.0	
LAB*LABi	56.71	0.0	0.0	0.0	
LAB*LABj	56.71	0.0	0.0	0.0	
LAB*LABk	56.71	0.0	0.0	0.0	
LAB*LABl	56.71	0.0	0.0	0.0	
LAB*LABm	56.71	0.0	0.0	0.0	
LAB*LABn	56.71	0.0	0.0	0.0	
LAB*LABo	56.71	0.0	0.0	0.0	
LAB*LABp	56.71	0.0	0.0	0.0	
LAB*LABq	56.71	0.0	0.0	0.0	
LAB*LABr	56.71	0.0	0.0	0.0	
LAB*LABs	56.71	0.0	0.0	0.0	
LAB*LABt	56.71	0.0	0.0	0.0	
LAB*LABu	56.71	0.0	0.0	0.0	
LAB*LABv	56.71	0.0	0.0	0.0	
LAB*LABw	56.71	0.0	0.0	0.0	
LAB*LABx	56.71	0.0	0.0	0.0	
LAB*LABy	56.71	0.0	0.0	0.0	
LAB*LABz	56.71	0.0	0.0	0.0	

relative Inform. Technology (IT)					
olvi3*	0.5	0.5	0.5	(0.5)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	0.5	0.5	0.5	(0.5)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	0.0	0.0	
LAB*LABa	56.71	0.0	0.0	0.0	
LAB*LABb	56.71	0.0	0.0	0.0	
LAB*LABc	56.71	0.0	0.0	0.0	
LAB*LABd	56.71	0.0	0.0	0.0	
LAB*LABe	56.71	0.0	0.0	0.0	
LAB*LABf	56.71	0.0	0.0	0.0	
LAB*LABg	56.71	0.0	0.0	0.0	
LAB*LABh	56.71	0.0	0.0	0.0	
LAB*LABi	56.71	0.0	0.0	0.0	
LAB*LABj	56.71	0.0	0.0	0.0	
LAB*LABk	56.71	0.0	0.0	0.0	
LAB*LABl	56.71	0.0	0.0	0.0	
LAB*LABm	56.71	0.0	0.0	0.0	
LAB*LABn	56.71	0.0	0.0	0.0	
LAB*LABo	56.71	0.0	0.0	0.0	
LAB*LABp	56.71	0.0	0.0	0.0	
LAB*LABq	56.71	0.0	0.0	0.0	
LAB*LABr	56.71	0.0	0.0	0.0	
LAB*LABs	56.71	0.0	0.0	0.0	
LAB*LABt	56.71	0.0	0.0	0.0	
LAB*LABu	56.71	0.0	0.0	0.0	
LAB*LABv	56.71	0.0	0.0	0.0	
LAB*LABw	56.71	0.0	0.0	0.0	
LAB*LABx	56.71	0.0	0.0	0.0	
LAB*LABy	56.71	0.0	0.0	0.0	
LAB*LABz	56.71	0.0	0.0	0.0	

relative Inform. Technology (IT)					
olvi3*	0.25	0.25	0.25	(0.25)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	0.25	0.25	0.25	(0.25)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	0.0	0.0	
LAB*LABa	56.71	0.0	0.0	0.0	
LAB*LABb	56.71	0.0	0.0	0.0	
LAB*LABc	56.71	0.0	0.0	0.0	
LAB*LABd	56.71	0.0	0.0	0.0	
LAB*LABe	56.71	0.0	0.0	0.0	
LAB*LABf	56.71	0.0	0.0	0.0	
LAB*LABg	56.71	0.0	0.0	0.0	
LAB*LABh	56.71	0.0	0.0	0.0	
LAB*LABi	56.71	0.0	0.0	0.0	
LAB*LABj	56.71	0.0	0.0	0.0	
LAB*LABk	56.71	0.0	0.0	0.0	
LAB*LABl	56.71	0.0	0.0	0.0	
LAB*LABm	56.71	0.0	0.0	0.0	
LAB*LABn	56.71	0.0	0.0	0.0	
LAB*LABo	56.71	0.0	0.0	0.0	
LAB*LABp	56.71	0.0	0.0	0.0	
LAB*LABq	56.71	0.0	0.0	0.0	
LAB*LABr	56.71	0.0	0.0	0.0	
LAB*LABs	56.71	0.0	0.0	0.0	
LAB*LABt	56.71	0.0	0.0	0.0	
LAB*LABu	56.71	0.0	0.0	0.0	
LAB*LABv	56.71	0.0	0.0	0.0	
LAB*LABw	56.71	0.0	0.0	0.0	
LAB*LABx	56.71	0.0	0.0	0.0	
LAB*LABy	56.71	0.0	0.0	0.0	
LAB*LABz	56.71	0.0	0.0	0.0	

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(0.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	0.0	0.0	0.0	(0.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	0.0	0.0	
LAB*LABa	56.71	0.0	0.0	0.0	
LAB*LABb	56.71	0.0	0.0	0.0	
LAB*LABc	56.71	0.0	0.0	0.0	
LAB*LABd	56.71	0.0	0.0	0.0	
LAB*LABe	56.71	0.0	0.0	0.0	
LAB*LABf	56.71	0.0	0.0	0.0	
LAB*LABg	56.71	0.0	0.0	0.0	
LAB*LABh	56.71	0.0	0.0	0.0	
LAB*LABi	56.71	0.0	0.0	0.0	
LAB*LABj	56.71	0.0	0.0	0.0	
LAB*LABk	56.71	0.0	0.0	0.0	
LAB*LABl	56.71	0.0	0.0	0.0	
LAB*LABm	56.71	0.0	0.0	0.0	
LAB*LABn	56.71	0.0	0.0	0.0	
LAB*LABo	56.71	0.0	0.0	0.0	
LAB*LABp	56.71	0.0	0.0	0.0	
LAB*LABq	56.71	0.0	0.0	0.0	
LAB*LABr	56.71	0.0	0.0	0.0	
LAB*LABs	56.71	0.0	0.0	0.0	
LAB*LABt	56.71	0.0	0.0	0.0	
LAB*LABu	56.71	0.0	0.0	0.0	
LAB*LABv	56.71	0.0	0.0	0.0	
LAB*LABw	56.71	0.0	0.0	0.0	
LAB*LABx	56.71	0.0	0.0	0.0	
LAB*LABy	56.71	0.0	0.0	0.0	
LAB*LABz	56.71	0.0	0.0	0.0	

relative Inform. Technology (IT)					
olvi3*	0.0	0.0	0.0	(0.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olvi4*	0.0	0.0	0.0	(0.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.0	0.0	0.0	
LAB*LABa	56.71	0.0	0.0	0.0	
LAB*LABb	56.71	0.0	0.0	0.0	
LAB*LABc	56.71	0.0	0.0	0.0	
LAB*LABd	56.71	0.0	0.0	0.0	
LAB*LABe	56.71	0.0	0.0	0.0	
LAB*LABf	56.71	0.0	0.0	0.0	
LAB*LABg	56.71	0.0	0.0	0.0	
LAB*LABh	56.71	0.0	0.0	0.0	
LAB*LABi	56.71	0.0	0.0	0.0	
LAB*LABj	56.71	0.0	0.0	0.0	
LAB*LABk	56.71	0.0	0.0	0.0	
LAB*LABl	56.71	0.0	0.0	0.0	
LAB*LABm	56.71	0.0	0.0	0.0	
LAB*LABn	56.71	0.0	0.0	0.0	
LAB*LABo	56.71	0.0	0.0	0.0	
LAB*LABp	56.71	0.0	0.0	0.0	
LAB*LABq	56.71	0.0	0.0	0.0	
LAB*LABr	56.71	0.0	0.0	0.0	
LAB*LABs	56.71	0.0	0.0	0.0	
LAB*LABt	56.71	0.0	0.0	0.0	
LAB*LABu	56.71	0.0	0.0	0.0	
LAB*LABv	56.71	0.0	0.0	0.0	
LAB*LABw	56.71	0.0	0.0	0.0	
LAB*LABx	56.71	0.0	0.0	0.0	
LAB*LABy	56.71	0.0	0.0	0.0	
LAB*LABz	56.71	0.0	0.0	0.0	

$n^* = 1,0$

%Regularity

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

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

0,75

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	0.5	0.5	0.5	(0.5)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
B	58.64	7.49	-8.82	
a	58.64	6.47	11.00	

Input: Colorimetric Standard Reflective System SRS18

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

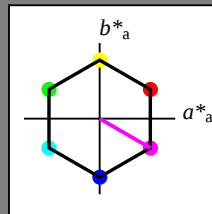
D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

triangle lightness

1,00



%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

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

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Input: Colorimetric Standard Reflective System SRS18

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

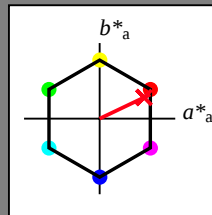
$lab \cdot tch$ and $lab \cdot nch$

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09

triangle lightness

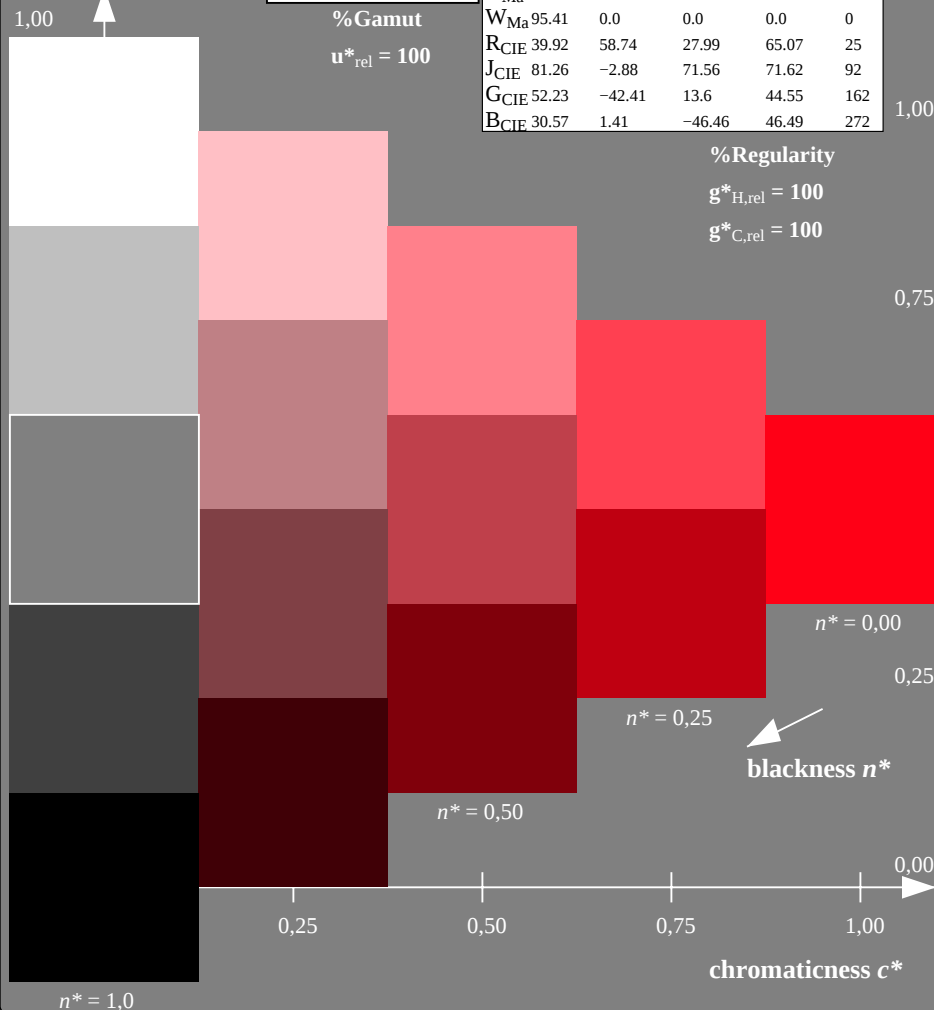


SRS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	56.71	67.03	38.7	77.4	30
Y _{Ma}	56.71	0.0	77.4	77.4	90
L _{Ma}	56.71	-67.02	38.7	77.4	150
C _{Ma}	56.71	-67.02	-38.69	77.4	210
V _{Ma}	56.71	0.0	-77.39	77.4	270
M _{Ma}	56.71	67.03	-38.69	77.4	330
N _{Ma}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

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

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



NE470-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)



BAM-test chart NE47; Colorimetric systems ORS18 & ORS18

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

Output: Colorimetric Offset Reflective System ORS18

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

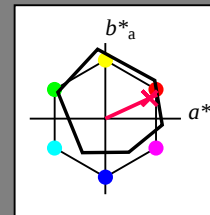
$lab \cdot tch$ and $lab \cdot nch$

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

triangle lightness

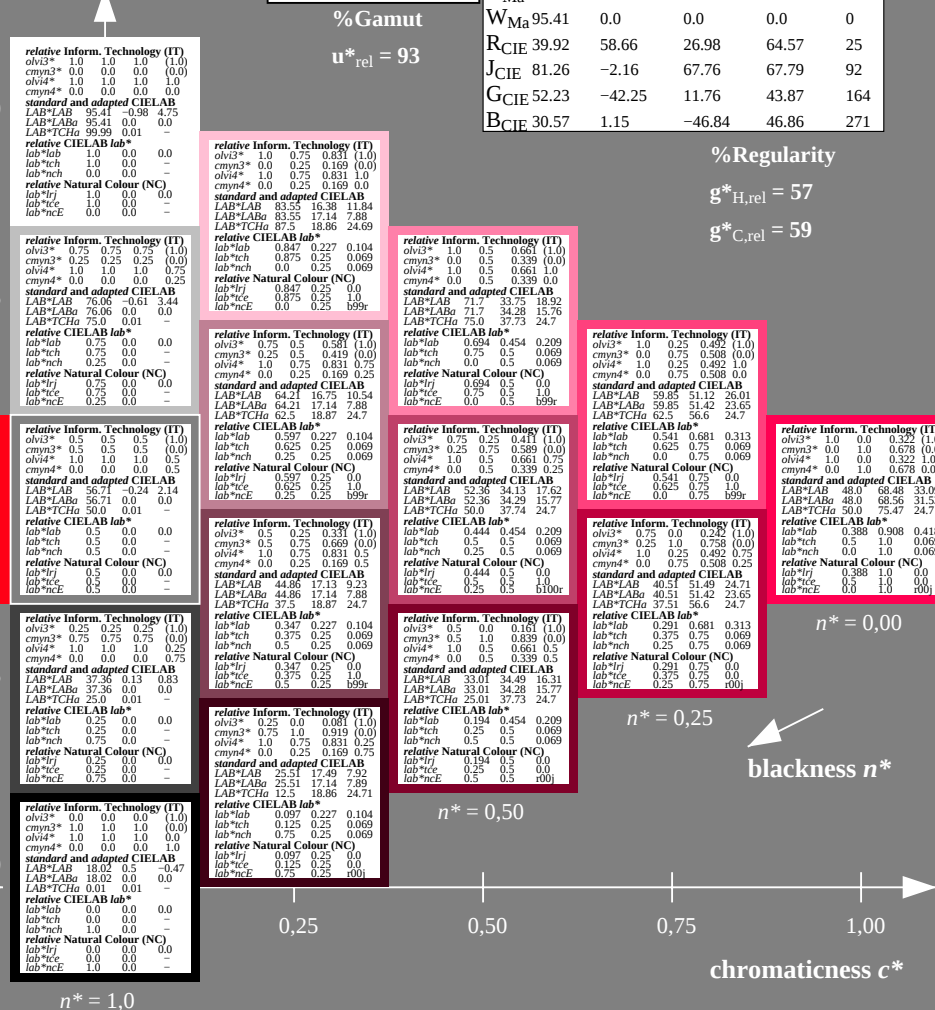


ORS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
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

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

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



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

input: $olv \cdot setrgbcolor$

output: Startup (S) data dependend

Input: Colorimetric Standard Reflective System SRS18

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

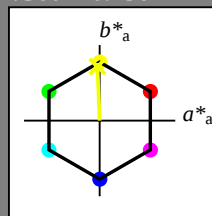
$lab \cdot tch$ and $lab \cdot nch$

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

triangle lightness



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^*

NE470-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)



BAM-test chart NE47; Colorimetric systems ORS18 & ORS18
D65: 5 step colour scales and coordinate data for 10 hues

Output: Colorimetric Offset Reflective System ORS18

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

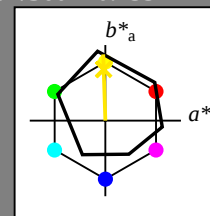
$lab \cdot tch$ and $lab \cdot nch$

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness



%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

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

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

$n^* = 0,00$

0,25

$n^* = 0,25$

$n^* = 0,50$

chromaticness c^*

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

input: $olv^* \cdot setrgbcolor$
output: *Startup (S) data dependend*

Input: Colorimetric Standard Reflective System SRS18

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

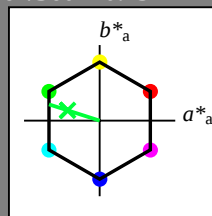
$lab \cdot tch$ and $lab \cdot nch$

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

NE470-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)



BAM-test chart NE47; Colorimetric systems ORS18 & ORS18

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

Output: Colorimetric Offset Reflective System ORS18

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

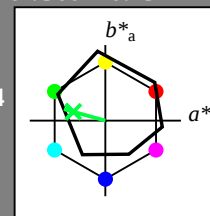
$lab \cdot tch$ and $lab \cdot nch$

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

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

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

input: $olv^* \cdot setrgbcolor$

output: Startup (S) data dependend

Input: Colorimetric Standard Reflective System SRS18

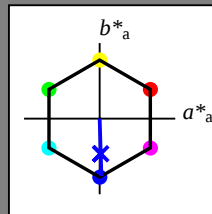
for hue $h^* = lab \cdot h = 272/360 = 0.755$ $lab \cdot tch$ and $lab \cdot nch$

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^*

NE470-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)



BAM-test chart NE47; Colorimetric systems ORS18 & ORS18

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

Output: Colorimetric Offset Reflective System ORS18

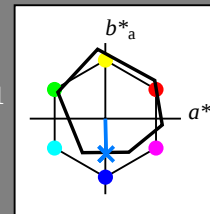
for hue $h^* = lab \cdot h = 271/360 = 0.754$ $lab \cdot tch$ and $lab \cdot nch$

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

0,50

0,25

0,00

0,25

0,50

0,75

1,00

1,00

1,00

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 -0.98 4.75
LAB*LABa 95.41 0.0 0.0
LAB*TCha 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
relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 0.0 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 (0.0)
standard and adapted CIELAB
LAB*LAB 82.0 -0.45 -7.31
LAB*LABa 82.0 0.27 -11.16
LAB*TCha 87.5 11.18 271.39
relative CIELAB lab*
lab*lab 0.827 0.006 -0.249
lab*tch 0.875 0.25 0.754
lab*nch 0.0 0.25 0.754
relative Natural Colour (NC)
lab*lrj 0.827 0.0 -0.249
lab*tce 0.875 0.25 0.754
lab*nce 0.0 0.25 0.754

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 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 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
relative Natural Colour (NC)
lab*lrj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.25 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 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.24 2.14
LAB*LABa 56.71 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
relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.5 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 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 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
relative Natural Colour (NC)
lab*lrj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.75 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 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABa 18.02 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
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 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 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*LABa 0.01 0.01 0.0
LAB*TCha 0.01 0.01 0.0
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
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 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 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*LABa 0.01 0.01 0.0
LAB*TCha 0.01 0.01 0.0
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
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

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

input: olv* setrgbcolor

output: Startup (S) data dependend