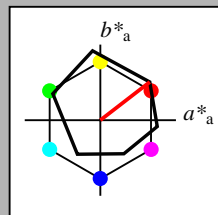


Input: Colorimetric Offset Reflective System ORS18

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

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



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$O_m$	47.94	65.39	50.52	82.63	38
$Y_m$	90.37	-10.26	91.75	92.32	96
$L_m$	50.9	-62.83	34.96	71.91	151
$C_m$	58.62	-30.34	-45.01	54.3	236
$V_m$	25.72	31.1	-44.4	54.22	305
$M_m$	48.13	75.28	-8.36	75.74	354
$N_m$	18.01	0.0	0.0	0.0	0
$W_m$	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

triangle lightness  $t^*$

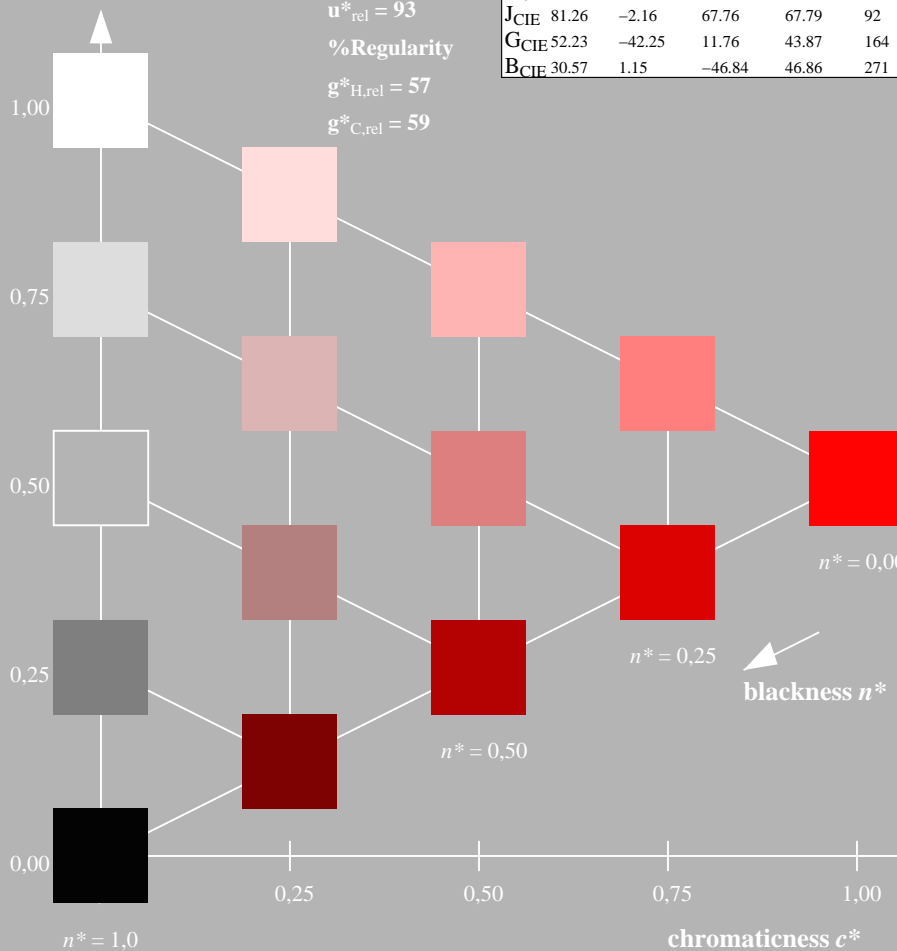
%Gamut

$u^*_{rel} = 93$

%Regularity

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

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

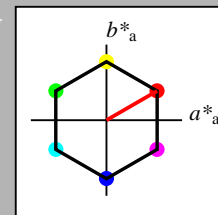


NE220-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue  $h^* = lab^*h = 30/360 = 0.083$   
 $LAB^*LCH$ ,  $LAB^*NCH$

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



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$O_m$	56.71	67.03	38.7	77.4	30
$Y_m$	56.71	0.0	77.4	77.4	90
$L_m$	56.71	-67.02	38.7	77.4	150
$C_m$	56.71	-67.02	-38.69	77.4	210
$V_m$	56.71	0.0	-77.39	77.4	270
$M_m$	56.71	67.03	-38.69	77.4	330
$N_m$	18.01	0.0	0.0	0.0	0
$W_m$	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

CIELAB lightness  $L^*$

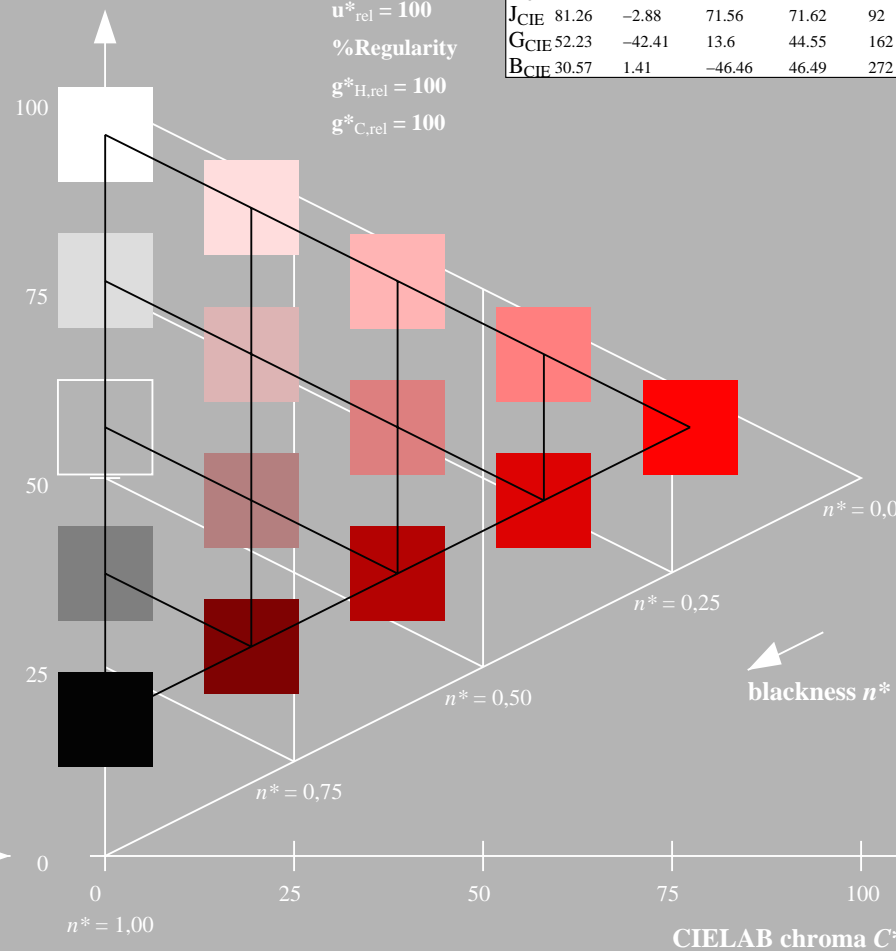
%Gamut

$u^*_{rel} = 100$

%Regularity

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

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

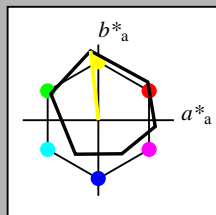


5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue  $h^* = lab^*h = 96/360 = 0.268$   
 $lab^*tch$  and  $lab^*nch$

D65: hue Y  
 LCH\*Ma: 90 92 96  
 olv\*Ma: 1.0 1.0 0.0



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$O_m$	47.94	65.39	50.52	82.63	38
$Y_m$	90.37	-10.26	91.75	92.32	96
$L_m$	50.9	-62.83	34.96	71.91	151
$C_m$	58.62	-30.34	-45.01	54.3	236
$V_m$	25.72	31.1	-44.4	54.22	305
$M_m$	48.13	75.28	-8.36	75.74	354
$N_m$	18.01	0.0	0.0	0.0	0
$W_m$	95.41	0.0	0.0	0.0	0
$RCIE$	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

triangle lightness  $t^*$

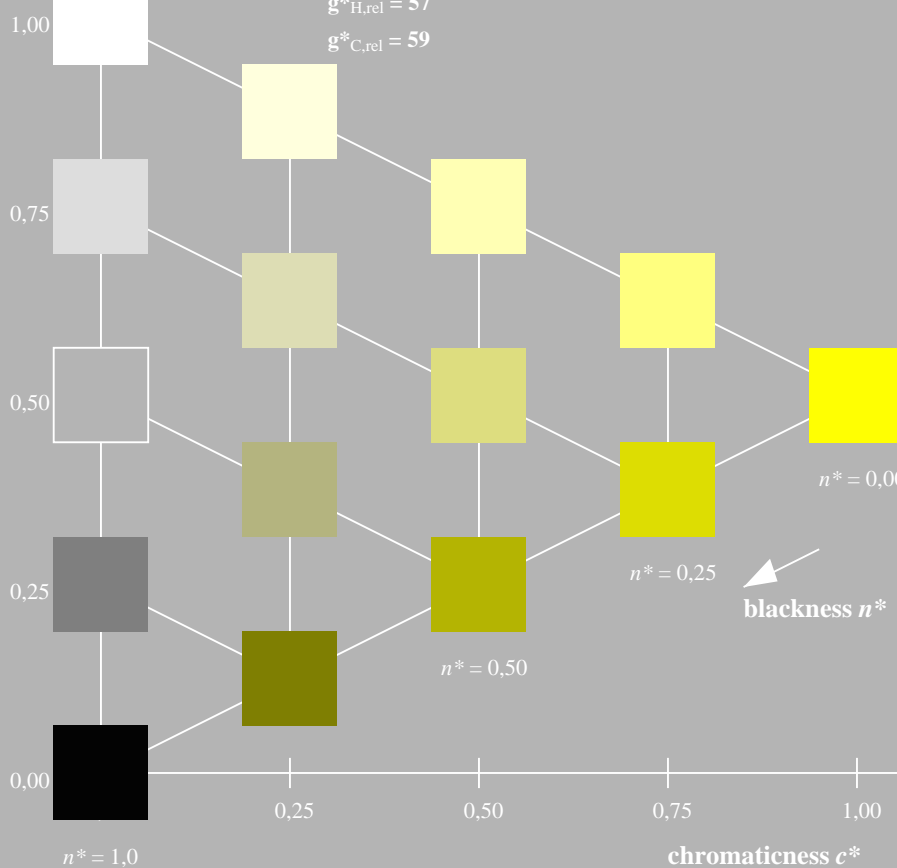
%Gamut

$u^*_{rel} = 93$

%Regularity

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

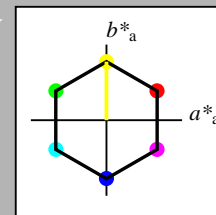
$g^*_{C,rel} = 59$



Output: Colorimetric Standard Reflective System SRS18

for hue  $h^* = lab^*h = 90/360 = 0.25$   
 $LAB^*LCH$ ,  $LAB^*NCH$

D65: hue Y  
 LCH\*Ma: 57 77 90  
 olv\*Ma: 1.0 1.0 0.0



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$O_m$	56.71	67.03	38.7	77.4	30
$Y_m$	56.71	0.0	77.4	77.4	90
$L_m$	56.71	-67.02	38.7	77.4	150
$C_m$	56.71	-67.02	-38.69	77.4	210
$V_m$	56.71	0.0	-77.39	77.4	270
$M_m$	56.71	67.03	-38.69	77.4	330
$N_m$	18.01	0.0	0.0	0.0	0
$W_m$	95.41	0.0	0.0	0.0	0
$RCIE$	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

CIELAB lightness  $L^*$

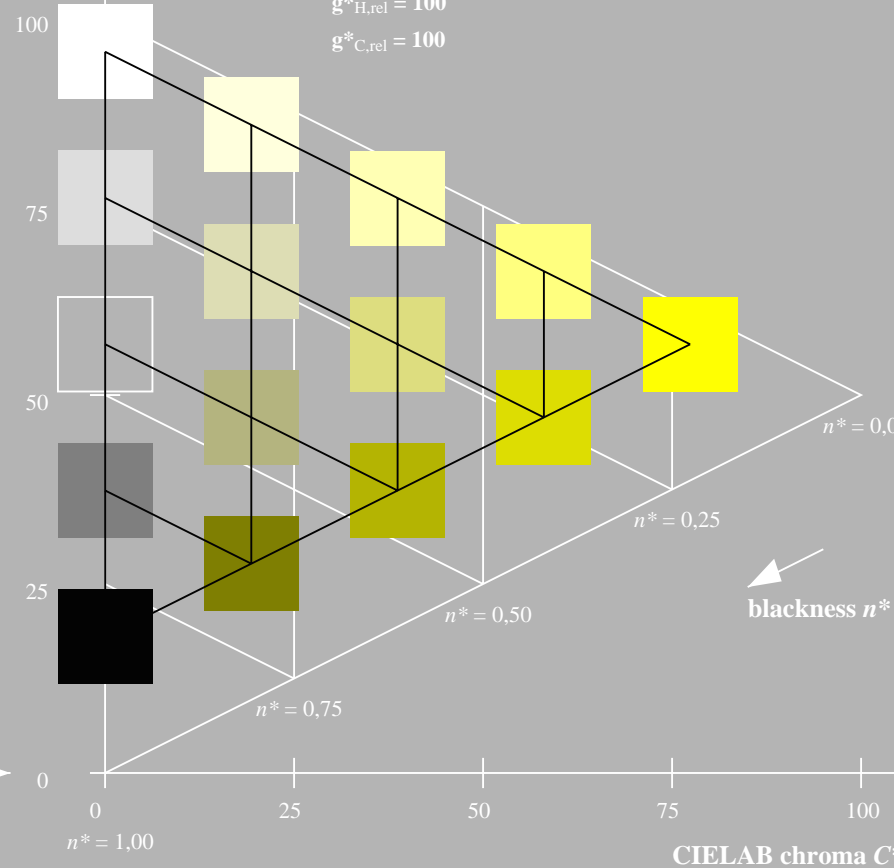
%Gamut

$u^*_{rel} = 100$

%Regularity

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

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



NE220-7, 5 step scales for constant CIELAB hue 96/360 = 0.268 (left)

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

BAM-test chart NE22; Colorimetric systems ORS18 & SRS18

D65: Coordinate systems of 5 step colour scales for 10 hues

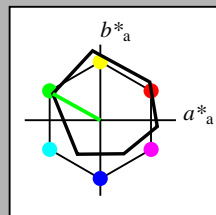
input: `olv* setrgbcolor`

output: `olv* setrgbcolor / w* setgray`

Input: Colorimetric Offset Reflective System ORS18

for hue  $h^* = lab^*h = 151/360 = 0.419$   
 $lab^*tch$  and  $lab^*nch$

D65: hue L  
 LCH\*Ma: 51 72 151  
 olv\*Ma: 0.0 1.0 0.0



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$O_m$	47.94	65.39	50.52	82.63	38
$Y_m$	90.37	-10.26	91.75	92.32	96
$L_m$	50.9	-62.83	34.96	71.91	151
$C_m$	58.62	-30.34	-45.01	54.3	236
$V_m$	25.72	31.1	-44.4	54.22	305
$M_m$	48.13	75.28	-8.36	75.74	354
$N_m$	18.01	0.0	0.0	0.0	0
$W_m$	95.41	0.0	0.0	0.0	0
$RCIE$	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

triangle lightness  $t^*$

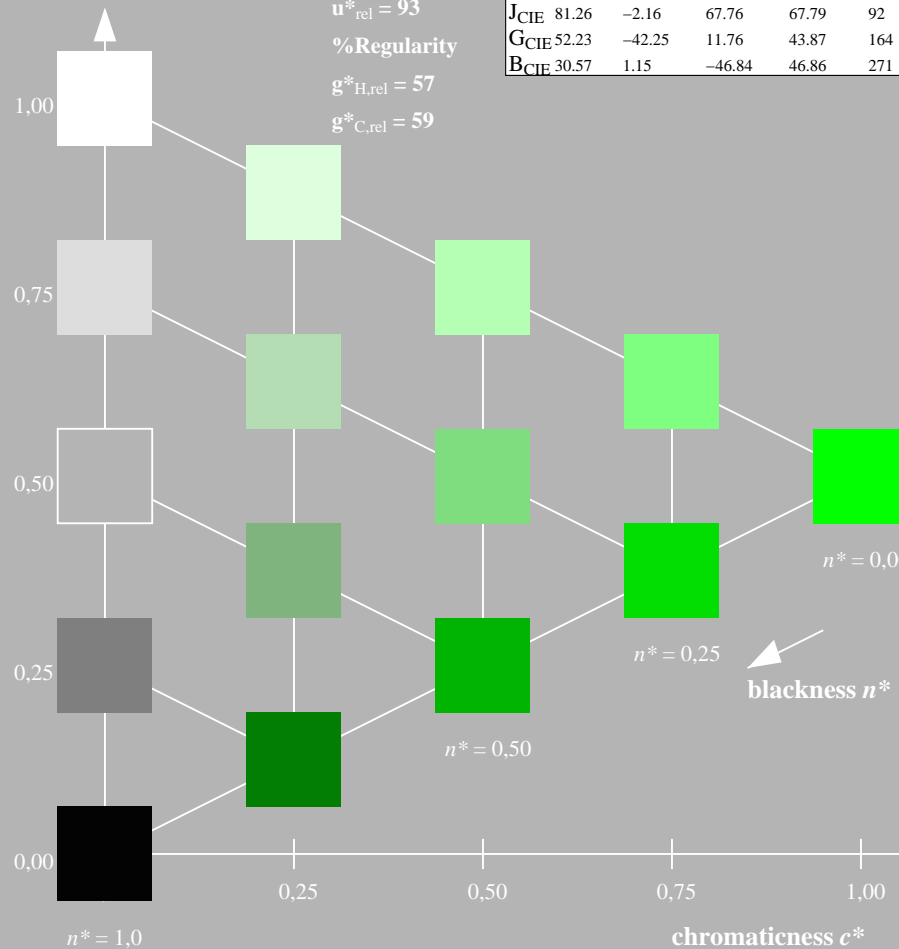
%Gamut

$u^*_{rel} = 93$

%Regularity

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

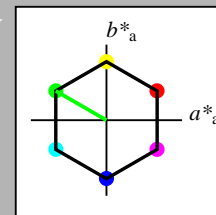
$g^*_{C,rel} = 59$



Output: Colorimetric Standard Reflective System SRS18

for hue  $h^* = lab^*h = 150/360 = 0.417$   
 $LAB^*LCH$ ,  $LAB^*NCH$

D65: hue L  
 LCH\*Ma: 57 77 150  
 olv\*Ma: 0.0 1.0 0.0



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$O_m$	56.71	67.03	38.7	77.4	30
$Y_m$	56.71	0.0	77.4	77.4	90
$L_m$	56.71	-67.02	38.7	77.4	150
$C_m$	56.71	-67.02	-38.69	77.4	210
$V_m$	56.71	0.0	-77.39	77.4	270
$M_m$	56.71	67.03	-38.69	77.4	330
$N_m$	18.01	0.0	0.0	0.0	0
$W_m$	95.41	0.0	0.0	0.0	0
$RCIE$	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

CIELAB lightness  $L^*$

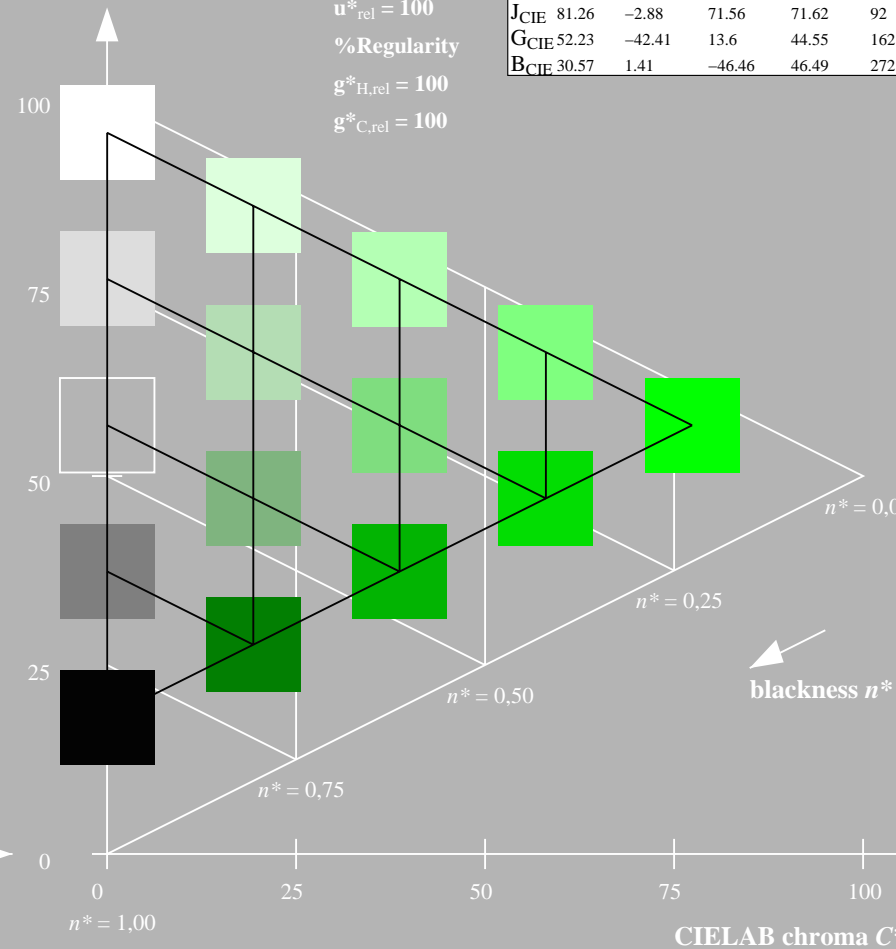
%Gamut

$u^*_{rel} = 100$

%Regularity

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

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



NE220-7, 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 NE22; Colorimetric systems ORS18 & SRS18  
 D65: Coordinate systems of 5 step colour scales for 10 hues

input:  $olv^* setrgbcolor$   
 output:  $olv^* setrgbcolor / w^* setgray$

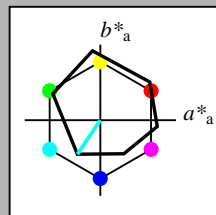
See for similar files: <http://www.ps.bam.de/NE22/>  
 Technical information: <http://www.ps.bam.de>  
 Version 2.1, io=1,1, CIELAB

BAM registration: 20060101-NE22/10Q/Q22E02FP.PS/.PDF BAM material: code=rh4ta  
 application for evaluation and measurement of printer or monitor systems  
 /NE22/ Form: 3/10, Serie: 1/1, Page: 3 Page count: 3

Input: 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



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$O_m$	47.94	65.39	50.52	82.63	38
$Y_m$	90.37	-10.26	91.75	92.32	96
$L_m$	50.9	-62.83	34.96	71.91	151
$C_m$	58.62	-30.34	-45.01	54.3	236
$V_m$	25.72	31.1	-44.4	54.22	305
$M_m$	48.13	75.28	-8.36	75.74	354
$N_m$	18.01	0.0	0.0	0.0	0
$W_m$	95.41	0.0	0.0	0.0	0
$RCIE$	39.92	58.66	26.98	64.57	25
$J_{CIE}$	81.26	-2.16	67.76	67.79	92
$GCIE$	52.23	-42.25	11.76	43.87	164
$BCIE$	30.57	1.15	-46.84	46.86	271

triangle lightness  $t^*$

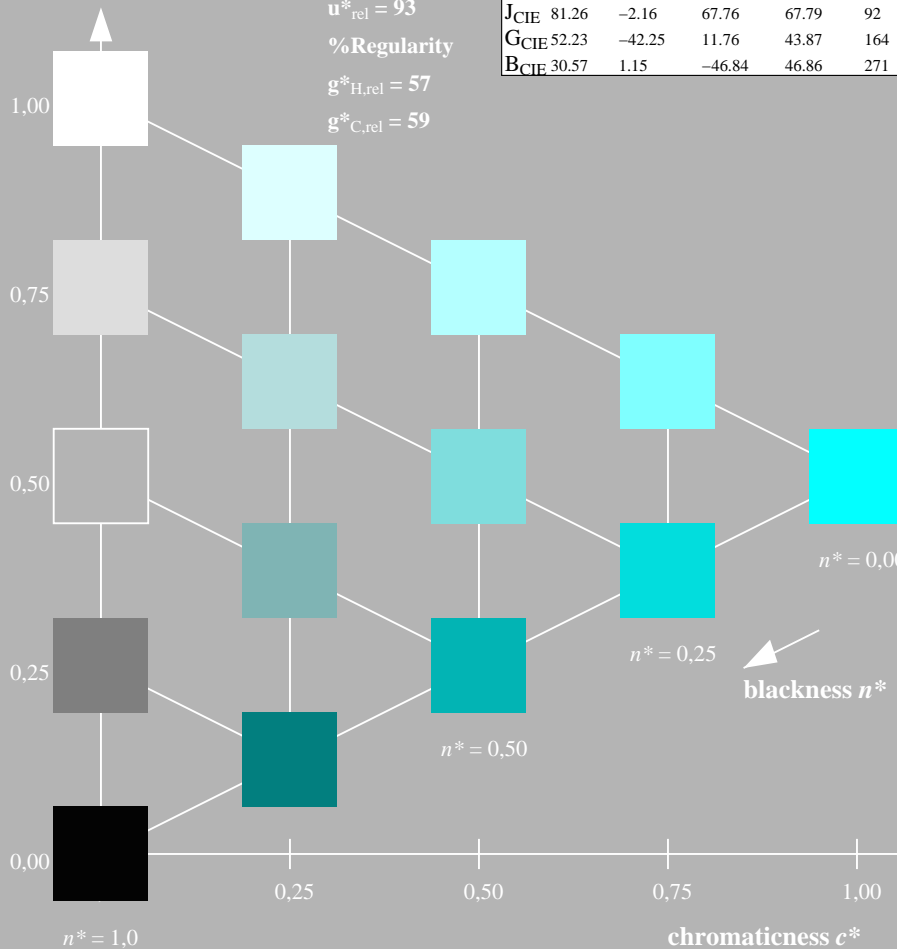
%Gamut

$u^*_{rel} = 93$

%Regularity

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

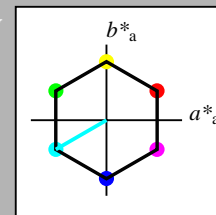
$g^*_{C,rel} = 59$



Output: Colorimetric Standard Reflective System SRS18

for hue  $h^* = lab^*h = 210/360 = 0.583$   
 $LAB^*LCH$ ,  $LAB^*NCH$

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



SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$O_m$	56.71	67.03	38.7	77.4	30
$Y_m$	56.71	0.0	77.4	77.4	90
$L_m$	56.71	-67.02	38.7	77.4	150
$C_m$	56.71	-67.02	-38.69	77.4	210
$V_m$	56.71	0.0	-77.39	77.4	270
$M_m$	56.71	67.03	-38.69	77.4	330
$N_m$	18.01	0.0	0.0	0.0	0
$W_m$	95.41	0.0	0.0	0.0	0
$RCIE$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$GCIE$	52.23	-42.41	13.6	44.55	162
$BCIE$	30.57	1.41	-46.46	46.49	272

CIELAB lightness  $L^*$

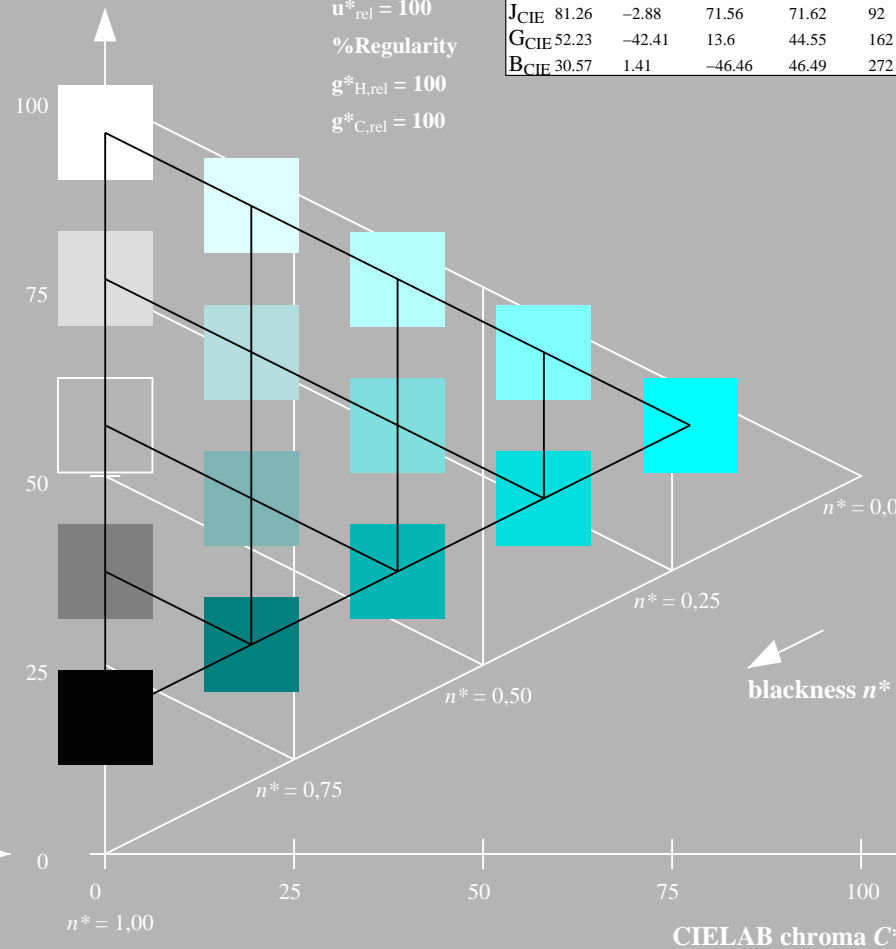
%Gamut

$u^*_{rel} = 100$

%Regularity

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

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



NE220-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

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

BAM-test chart NE22; Colorimetric systems ORS18 & SRS18

D65: Coordinate systems of 5 step colour scales for 10 hues

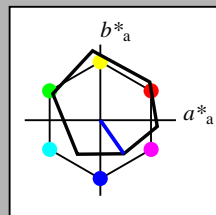
input: `olv* setrgbcolor`

output: `olv* setrgbcolor / w* setgray`

Input: Colorimetric Offset Reflective System ORS18

for hue  $h^* = lab^*h = 305/360 = 0.847$   
 $lab^*tch$  and  $lab^*nch$

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



ORS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$O_m$	47.94	65.39	50.52	82.63	38
$Y_m$	90.37	-10.26	91.75	92.32	96
$L_m$	50.9	-62.83	34.96	71.91	151
$C_m$	58.62	-30.34	-45.01	54.3	236
$V_m$	25.72	31.1	-44.4	54.22	305
$M_m$	48.13	75.28	-8.36	75.74	354
$N_m$	18.01	0.0	0.0	0.0	0
$W_m$	95.41	0.0	0.0	0.0	0
$RCIE$	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

triangle lightness  $t^*$

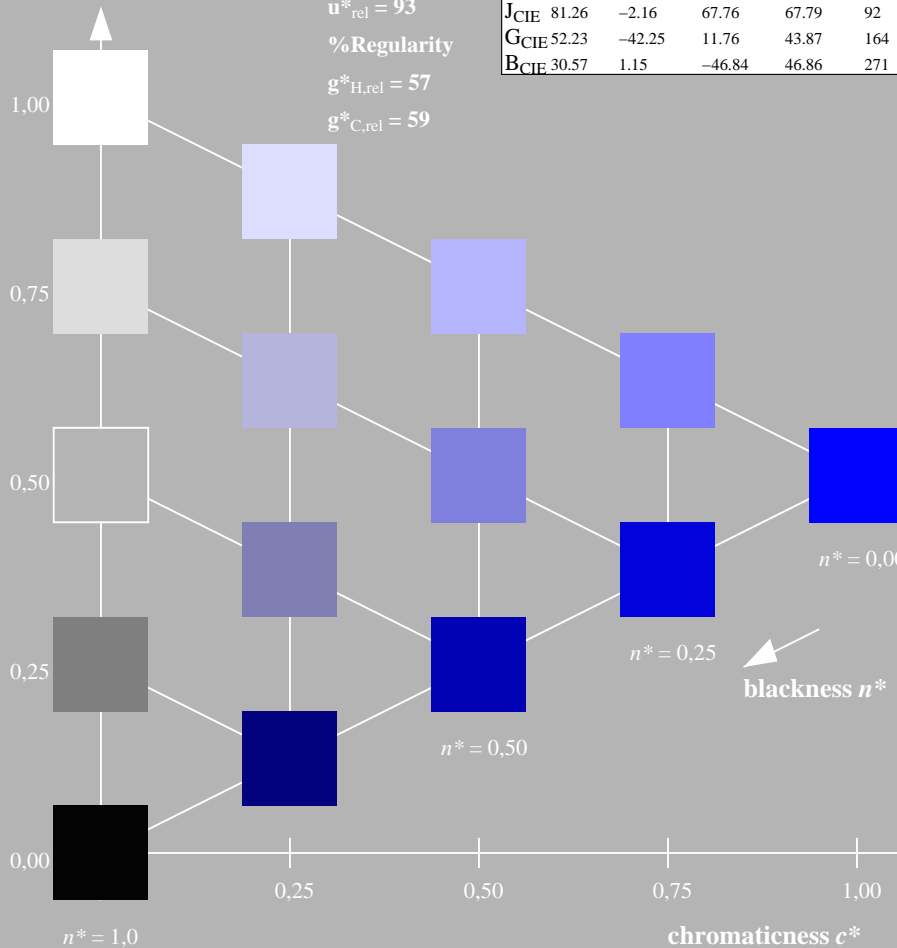
%Gamut

$u^*_{rel} = 93$

%Regularity

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

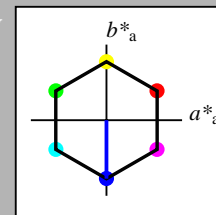
$g^*_{C,rel} = 59$



Output: Colorimetric Standard Reflective System SRS18

for hue  $h^* = lab^*h = 270/360 = 0.75$   
 $LAB^*LCH$ ,  $LAB^*NCH$

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



SRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$O_m$	56.71	67.03	38.7	77.4	30
$Y_m$	56.71	0.0	77.4	77.4	90
$L_m$	56.71	-67.02	38.7	77.4	150
$C_m$	56.71	-67.02	-38.69	77.4	210
$V_m$	56.71	0.0	-77.39	77.4	270
$M_m$	56.71	67.03	-38.69	77.4	330
$N_m$	18.01	0.0	0.0	0.0	0
$W_m$	95.41	0.0	0.0	0.0	0
$RCIE$	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

CIELAB lightness  $L^*$

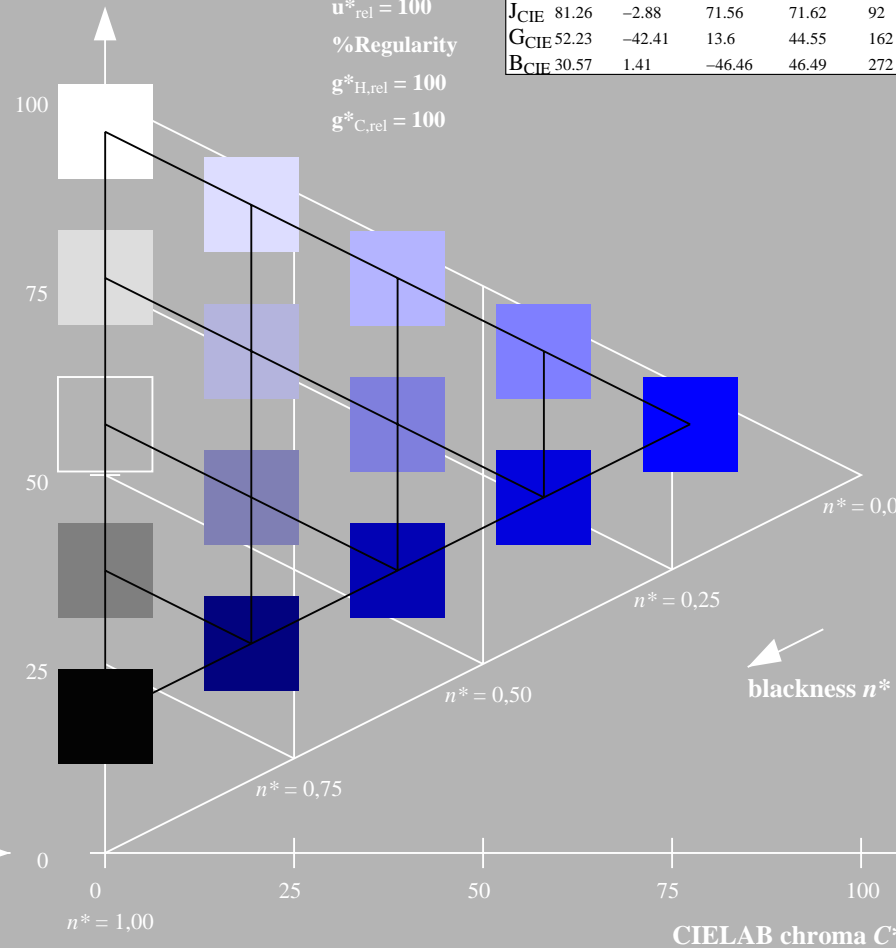
%Gamut

$u^*_{rel} = 100$

%Regularity

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

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



NE220-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

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

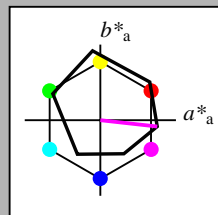
BAM-test chart NE22; Colorimetric systems ORS18 & SRS18  
 D65: Coordinate systems of 5 step colour scales for 10 hues

input:  $olv^* setrgbcolor$   
 output:  $olv^* setrgbcolor / w^* setgray$

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



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$O_m$	47.94	65.39	50.52	82.63	38
$Y_m$	90.37	-10.26	91.75	92.32	96
$L_m$	50.9	-62.83	34.96	71.91	151
$C_m$	58.62	-30.34	-45.01	54.3	236
$V_m$	25.72	31.1	-44.4	54.22	305
$M_m$	48.13	75.28	-8.36	75.74	354
$N_m$	18.01	0.0	0.0	0.0	0
$W_m$	95.41	0.0	0.0	0.0	0
$RCIE$	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

triangle lightness  $t^*$

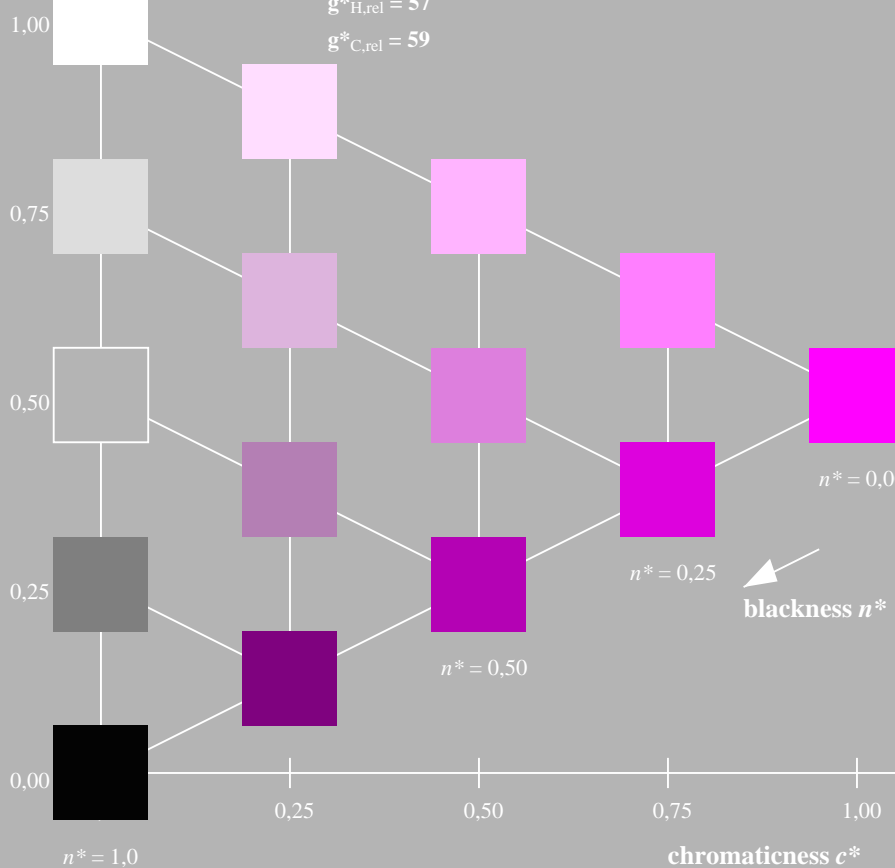
%Gamut

$u^*_{rel} = 93$

%Regularity

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

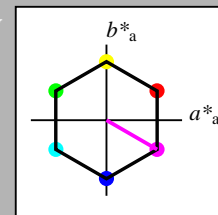
$g^*_{C,rel} = 59$



Output: Colorimetric Standard Reflective System SRS18

for hue  $h^* = lab^*h = 330/360 = 0.917$   
 $LAB^*LCH, LAB^*NCH$

D65: hue M  
 LCH\*Ma: 57 77 330  
 olv\*Ma: 1.0 0.0 1.0



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$O_m$	56.71	67.03	38.7	77.4	30
$Y_m$	56.71	0.0	77.4	77.4	90
$L_m$	56.71	-67.02	38.7	77.4	150
$C_m$	56.71	-67.02	-38.69	77.4	210
$V_m$	56.71	0.0	-77.39	77.4	270
$M_m$	56.71	67.03	-38.69	77.4	330
$N_m$	18.01	0.0	0.0	0.0	0
$W_m$	95.41	0.0	0.0	0.0	0
$RCIE$	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

CIELAB lightness  $L^*$

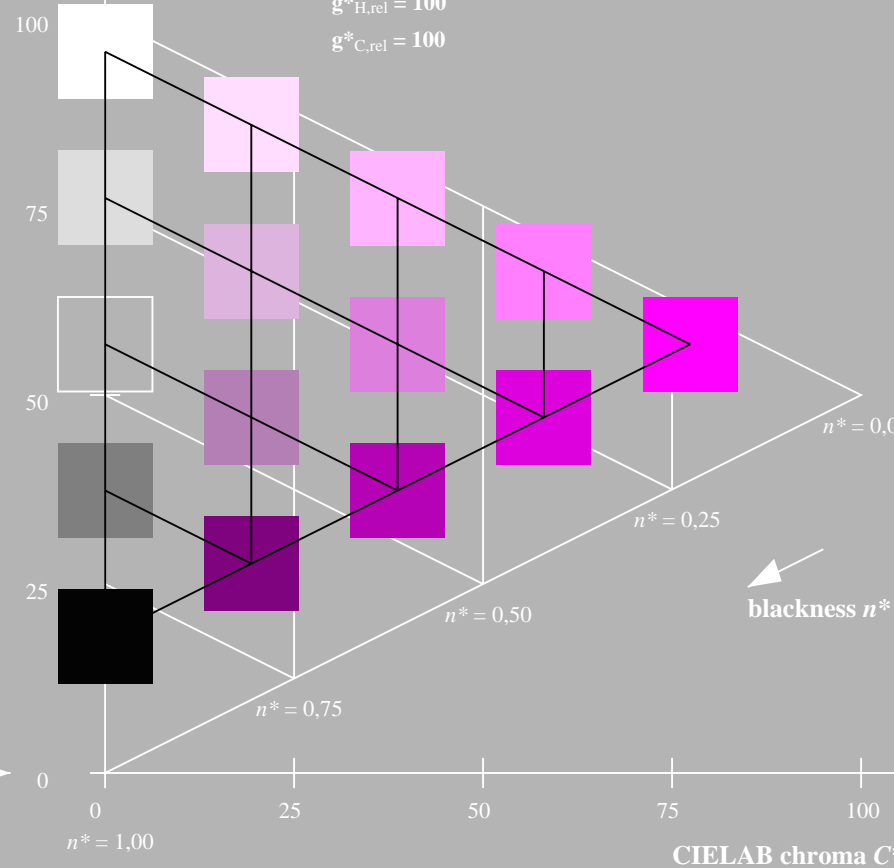
%Gamut

$u^*_{rel} = 100$

%Regularity

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

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



NE220-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

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

BAM-test chart NE22; Colorimetric systems ORS18 & SRS18

D65: Coordinate systems of 5 step colour scales for 10 hues

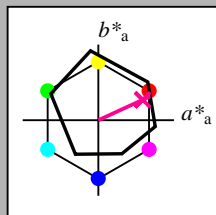
input: `olv* setrgbcolor`

output: `olv* setrgbcolor / w* setgray`

Input: Colorimetric Offset Reflective System ORS18

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

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



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$O_m$	47.94	65.39	50.52	82.63	38
$Y_m$	90.37	-10.26	91.75	92.32	96
$L_m$	50.9	-62.83	34.96	71.91	151
$C_m$	58.62	-30.34	-45.01	54.3	236
$V_m$	25.72	31.1	-44.4	54.22	305
$M_m$	48.13	75.28	-8.36	75.74	354
$N_m$	18.01	0.0	0.0	0.0	0
$W_m$	95.41	0.0	0.0	0.0	0
$R_m$	39.92	58.66	26.98	64.57	25
$J_m$	81.26	-2.16	67.76	67.79	92
$G_m$	52.23	-42.25	11.76	43.87	164
$B_m$	30.57	1.15	-46.84	46.86	271

triangle lightness  $t^*$

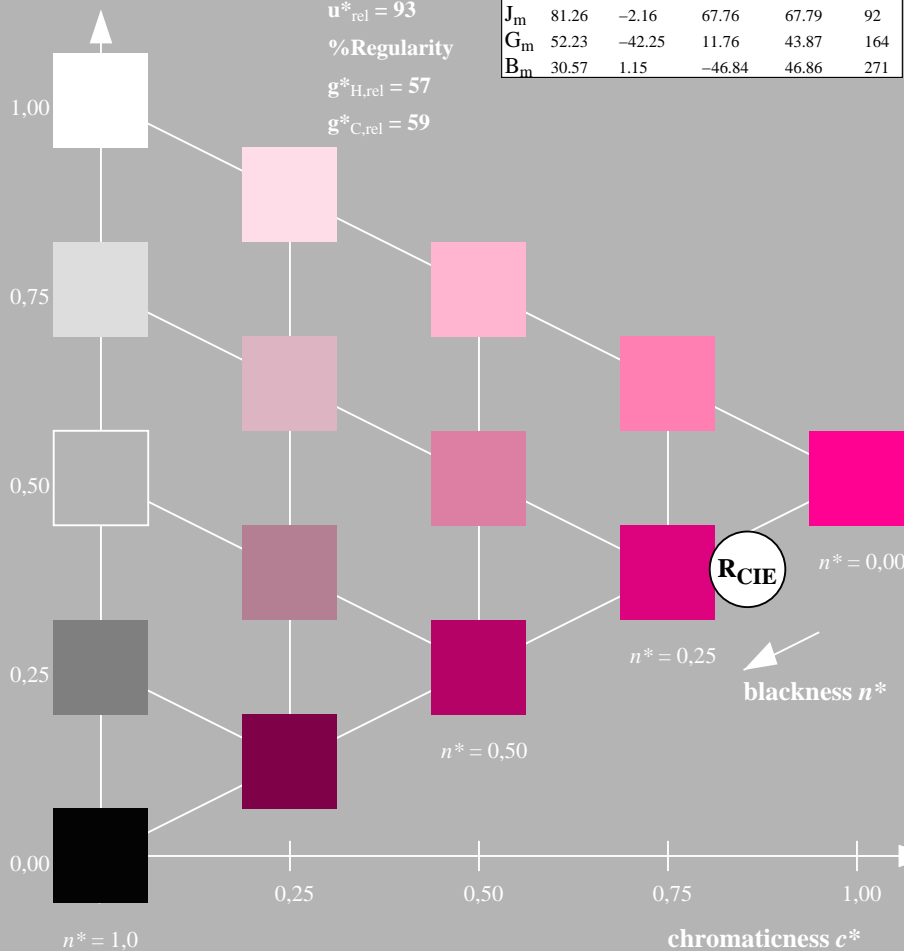
%Gamut

$u^*_{rel} = 93$

%Regularity

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

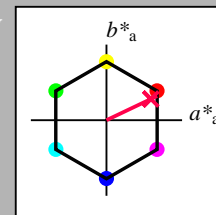
$g^*_{C,rel} = 59$



Output: Colorimetric Standard Reflective System SRS18

for hue  $h^* = lab^*h = 25/360 = 0.071$   
 $LAB^*LCH$ ,  $LAB^*NCH$

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



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$O_m$	56.71	67.03	38.7	77.4	30
$Y_m$	56.71	0.0	77.4	77.4	90
$L_m$	56.71	-67.02	38.7	77.4	150
$C_m$	56.71	-67.02	-38.69	77.4	210
$V_m$	56.71	0.0	-77.39	77.4	270
$M_m$	56.71	67.03	-38.69	77.4	330
$N_m$	18.01	0.0	0.0	0.0	0
$W_m$	95.41	0.0	0.0	0.0	0
$R_m$	39.92	58.74	27.99	65.07	25
$J_m$	81.26	-2.88	71.56	71.62	92
$G_m$	52.23	-42.41	13.6	44.55	162
$B_m$	30.57	1.41	-46.46	46.49	272

CIELAB lightness  $L^*$

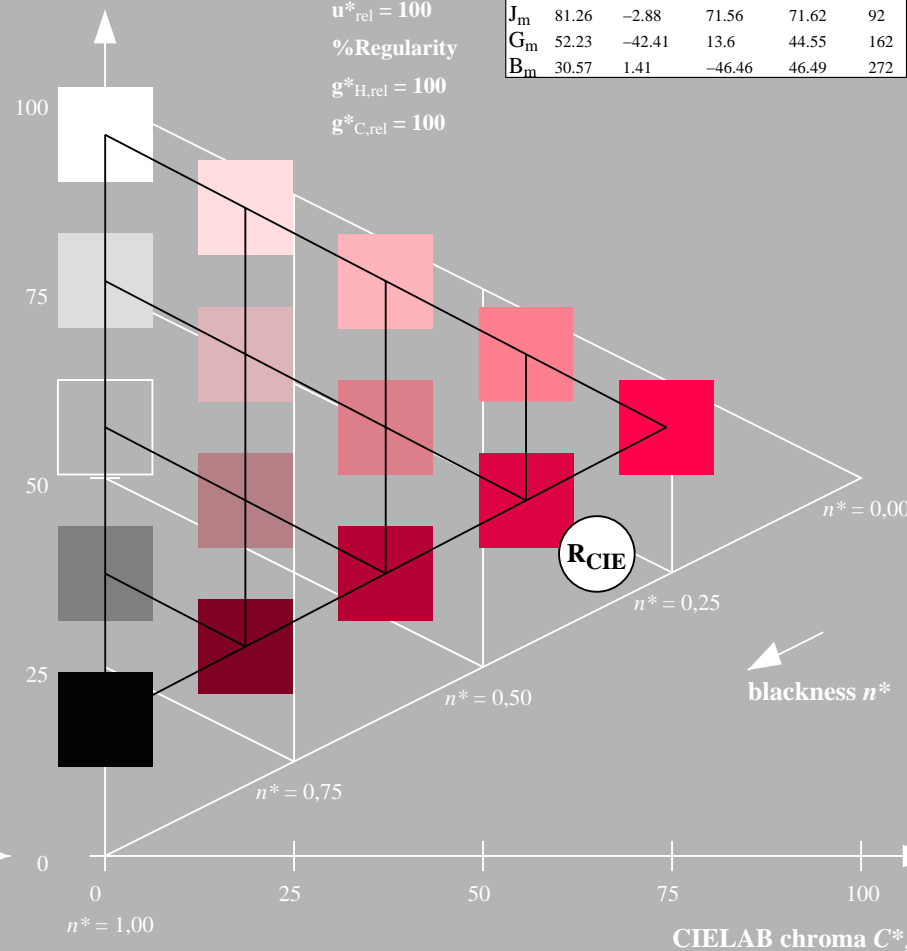
%Gamut

$u^*_{rel} = 100$

%Regularity

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

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



NE220-7, 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 NE22; Colorimetric systems ORS18 & SRS18

D65: Coordinate systems of 5 step colour scales for 10 hues

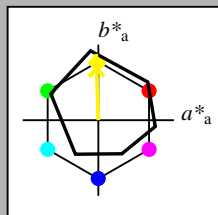
input:  $olv^* setrgbcolor$

output:  $olv^* setrgbcolor / w^* setgray$

Input: 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



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$O_m$	47.94	65.39	50.52	82.63	38
$Y_m$	90.37	-10.26	91.75	92.32	96
$L_m$	50.9	-62.83	34.96	71.91	151
$C_m$	58.62	-30.34	-45.01	54.3	236
$V_m$	25.72	31.1	-44.4	54.22	305
$M_m$	48.13	75.28	-8.36	75.74	354
$N_m$	18.01	0.0	0.0	0.0	0
$W_m$	95.41	0.0	0.0	0.0	0
$R_m$	39.92	58.66	26.98	64.57	25
$J_m$	81.26	-2.16	67.76	67.79	92
$G_m$	52.23	-42.25	11.76	43.87	164
$B_m$	30.57	1.15	-46.84	46.86	271

triangle lightness  $t^*$

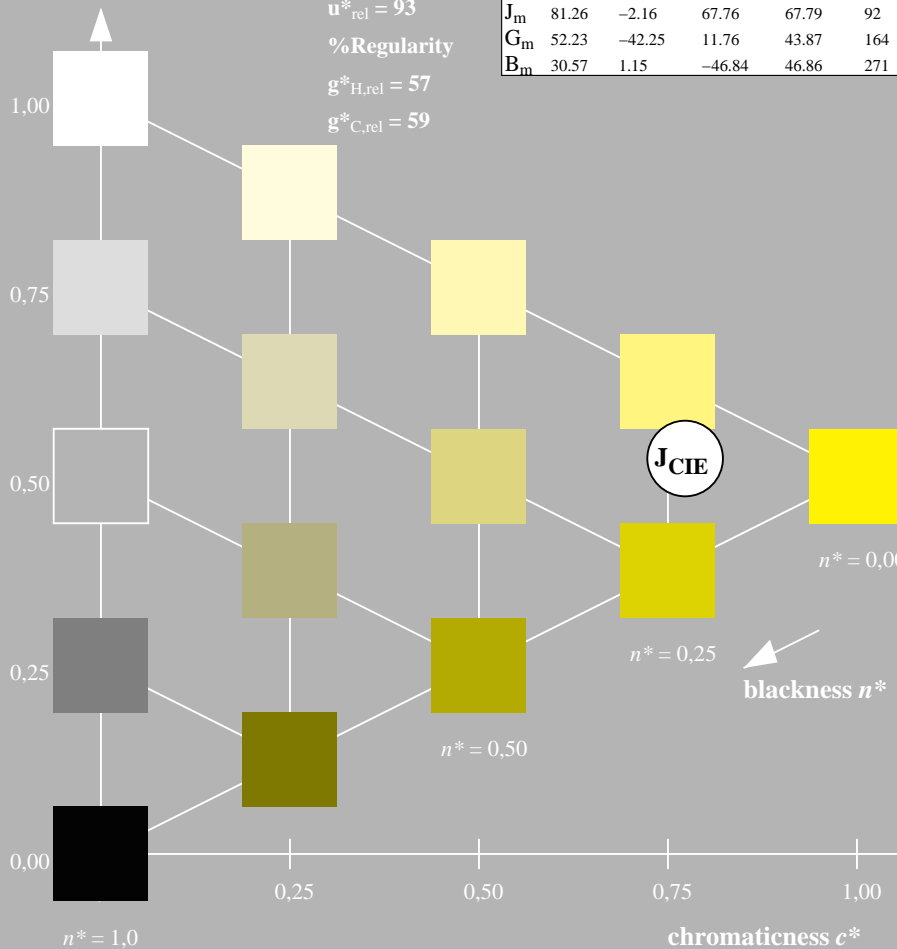
%Gamut

$u^*_{rel} = 93$

%Regularity

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

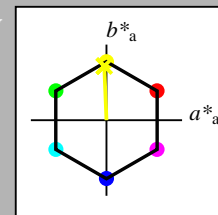
$g^*_{C,rel} = 59$



Output: Colorimetric Standard Reflective System SRS18

for hue  $h^* = lab^*h = 92/360 = 0.256$   
 $LAB^*LCH$ ,  $LAB^*NCH$

D65: hue J  
 LCH\*Ma: 57 76 92  
 olv\*Ma: 0.95 1.0 0.0



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$O_m$	56.71	67.03	38.7	77.4	30
$Y_m$	56.71	0.0	77.4	77.4	90
$L_m$	56.71	-67.02	38.7	77.4	150
$C_m$	56.71	-67.02	-38.69	77.4	210
$V_m$	56.71	0.0	-77.39	77.4	270
$M_m$	56.71	67.03	-38.69	77.4	330
$N_m$	18.01	0.0	0.0	0.0	0
$W_m$	95.41	0.0	0.0	0.0	0
$R_m$	39.92	58.74	27.99	65.07	25
$J_m$	81.26	-2.88	71.56	71.62	92
$G_m$	52.23	-42.41	13.6	44.55	162
$B_m$	30.57	1.41	-46.46	46.49	272

CIELAB lightness  $L^*$

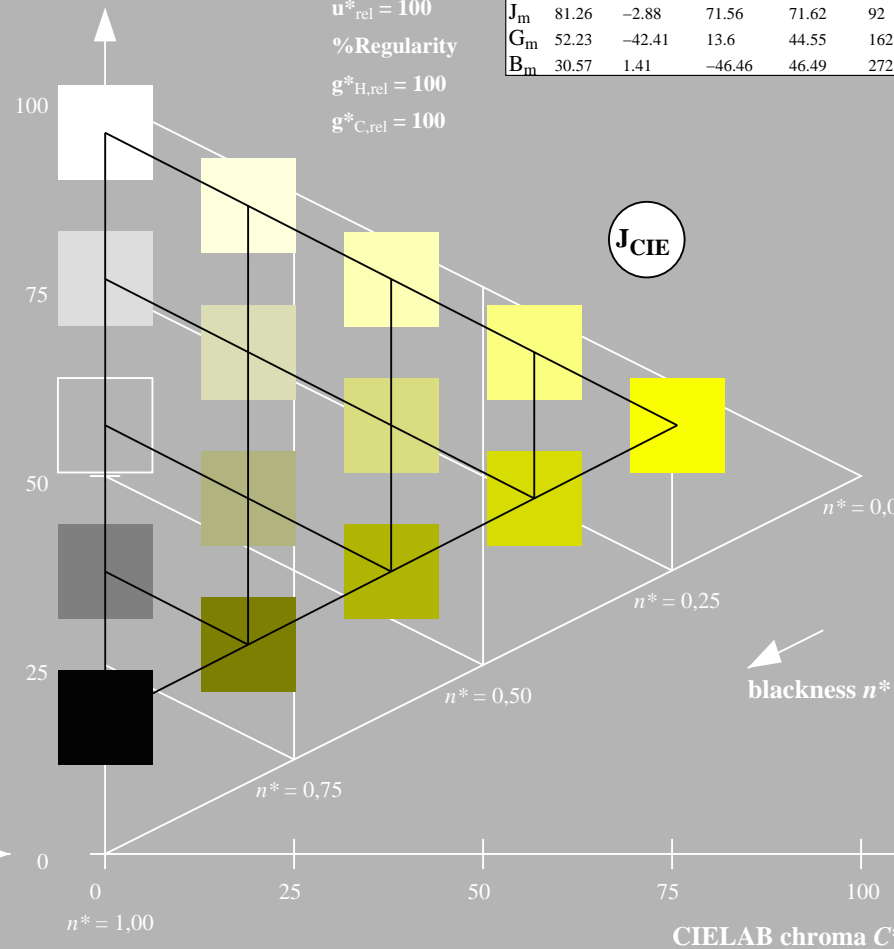
%Gamut

$u^*_{rel} = 100$

%Regularity

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

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



NE220-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

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

BAM-test chart NE22; Colorimetric systems ORS18 & SRS18

D65: Coordinate systems of 5 step colour scales for 10 hues

input:  $olv^* setrgbcolor$

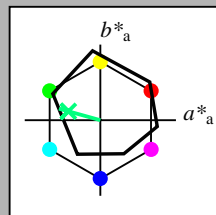
output:  $olv^* setrgbcolor / w^* setgray$



Input: Colorimetric Offset Reflective System ORS18

for hue  $h^* = lab^*h = 164/360 = 0.457$   
 $lab^*tch$  and  $lab^*nch$

D65: hue G  
 LCH\*Ma: 53 57 164  
 olv\*Ma: 0.0 1.0 0.25



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>m</sub>	47.94	65.39	50.52	82.63	38
Y <sub>m</sub>	90.37	-10.26	91.75	92.32	96
L <sub>m</sub>	50.9	-62.83	34.96	71.91	151
C <sub>m</sub>	58.62	-30.34	-45.01	54.3	236
V <sub>m</sub>	25.72	31.1	-44.4	54.22	305
M <sub>m</sub>	48.13	75.28	-8.36	75.74	354
N <sub>m</sub>	18.01	0.0	0.0	0.0	0
W <sub>m</sub>	95.41	0.0	0.0	0.0	0
R <sub>m</sub>	39.92	58.66	26.98	64.57	25
J <sub>m</sub>	81.26	-2.16	67.76	67.79	92
G <sub>m</sub>	52.23	-42.25	11.76	43.87	164
B <sub>m</sub>	30.57	1.15	-46.84	46.86	271

triangle lightness  $t^*$

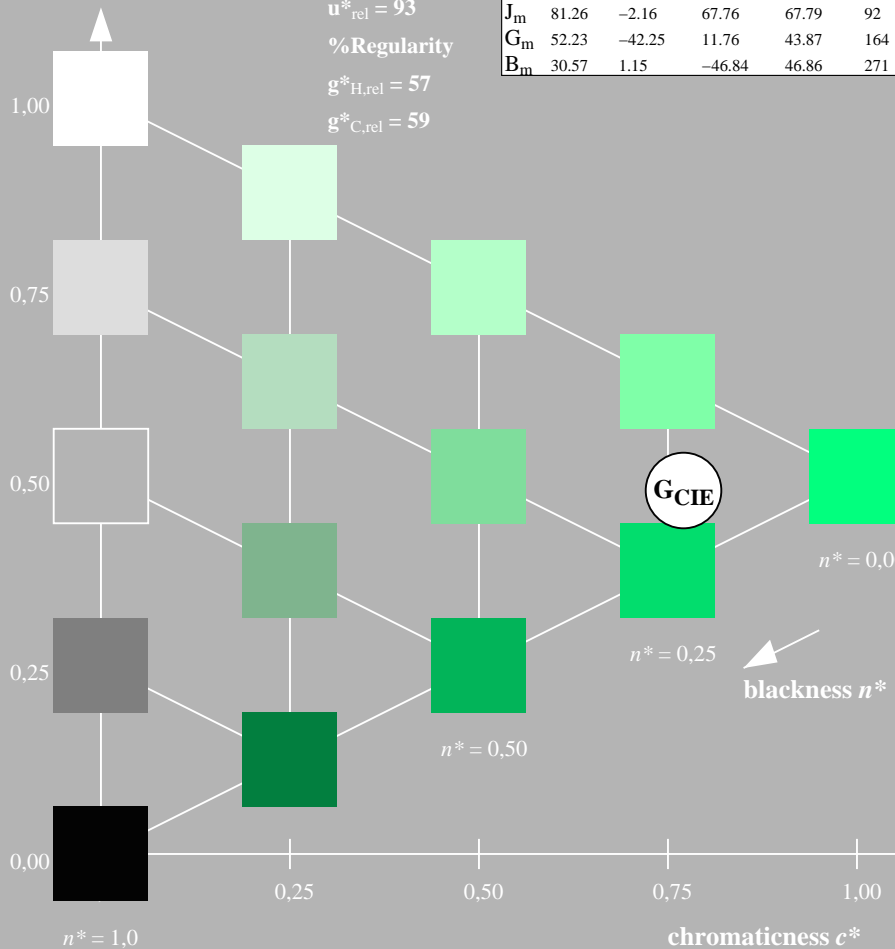
%Gamut

$u^*_{rel} = 93$

%Regularity

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

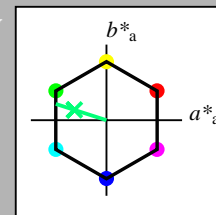
$g^*_{C,rel} = 59$



Output: Colorimetric Standard Reflective System SRS18

for hue  $h^* = lab^*h = 162/360 = 0.451$   
 $LAB^*LCH, LAB^*NCH$

D65: hue G  
 LCH\*Ma: 57 70 162  
 olv\*Ma: 0.0 1.0 0.22



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>m</sub>	56.71	67.03	38.7	77.4	30
Y <sub>m</sub>	56.71	0.0	77.4	77.4	90
L <sub>m</sub>	56.71	-67.02	38.7	77.4	150
C <sub>m</sub>	56.71	-67.02	-38.69	77.4	210
V <sub>m</sub>	56.71	0.0	-77.39	77.4	270
M <sub>m</sub>	56.71	67.03	-38.69	77.4	330
N <sub>m</sub>	18.01	0.0	0.0	0.0	0
W <sub>m</sub>	95.41	0.0	0.0	0.0	0
R <sub>m</sub>	39.92	58.74	27.99	65.07	25
J <sub>m</sub>	81.26	-2.88	71.56	71.62	92
G <sub>m</sub>	52.23	-42.41	13.6	44.55	162
B <sub>m</sub>	30.57	1.41	-46.46	46.49	272

CIELAB lightness  $L^*$

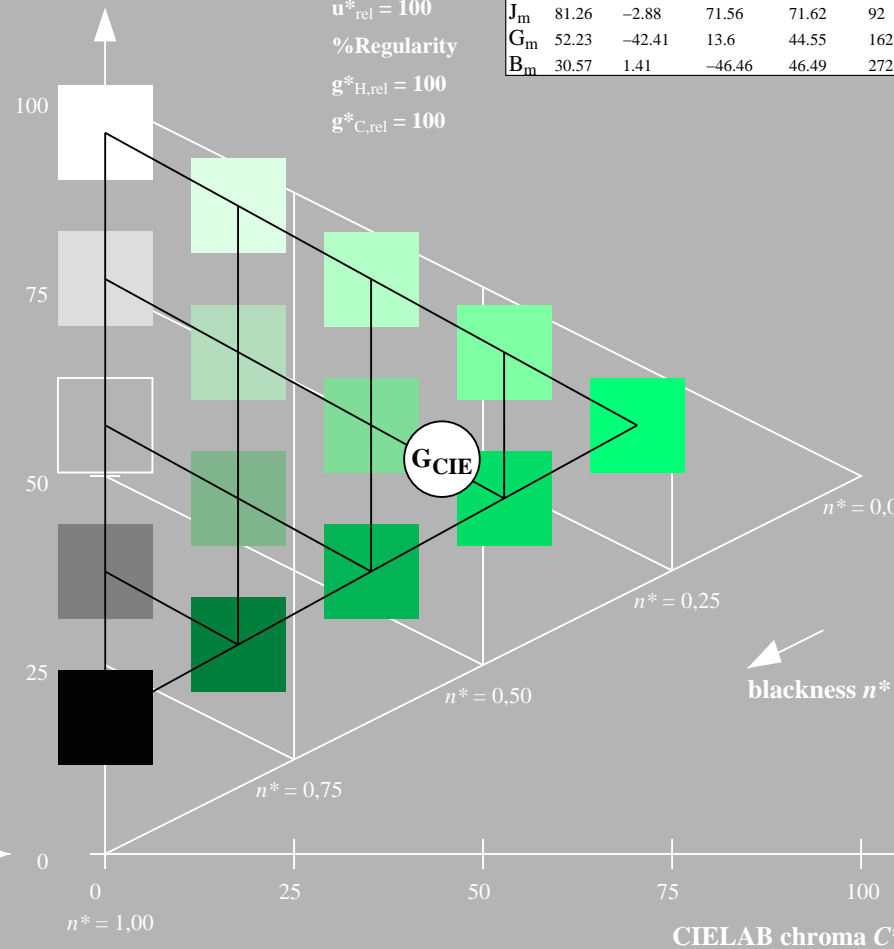
%Gamut

$u^*_{rel} = 100$

%Regularity

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

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



NE220-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

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

BAM-test chart NE22; Colorimetric systems ORS18 & SRS18

D65: Coordinate systems of 5 step colour scales for 10 hues

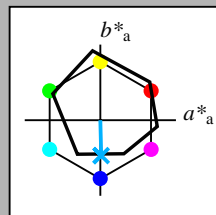
input: `olv* setrgbcolor`

output: `olv* setrgbcolor / w* setgray`

Input: Colorimetric Offset Reflective System ORS18

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

D65: hue B  
 LCH\*Ma: 42 45 271  
 olv\*Ma: 0.0 0.49 1.0



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$O_m$	47.94	65.39	50.52	82.63	38
$Y_m$	90.37	-10.26	91.75	92.32	96
$L_m$	50.9	-62.83	34.96	71.91	151
$C_m$	58.62	-30.34	-45.01	54.3	236
$V_m$	25.72	31.1	-44.4	54.22	305
$M_m$	48.13	75.28	-8.36	75.74	354
$N_m$	18.01	0.0	0.0	0.0	0
$W_m$	95.41	0.0	0.0	0.0	0
$R_m$	39.92	58.66	26.98	64.57	25
$J_m$	81.26	-2.16	67.76	67.79	92
$G_m$	52.23	-42.25	11.76	43.87	164
$B_m$	30.57	1.15	-46.84	46.86	271

triangle lightness  $t^*$

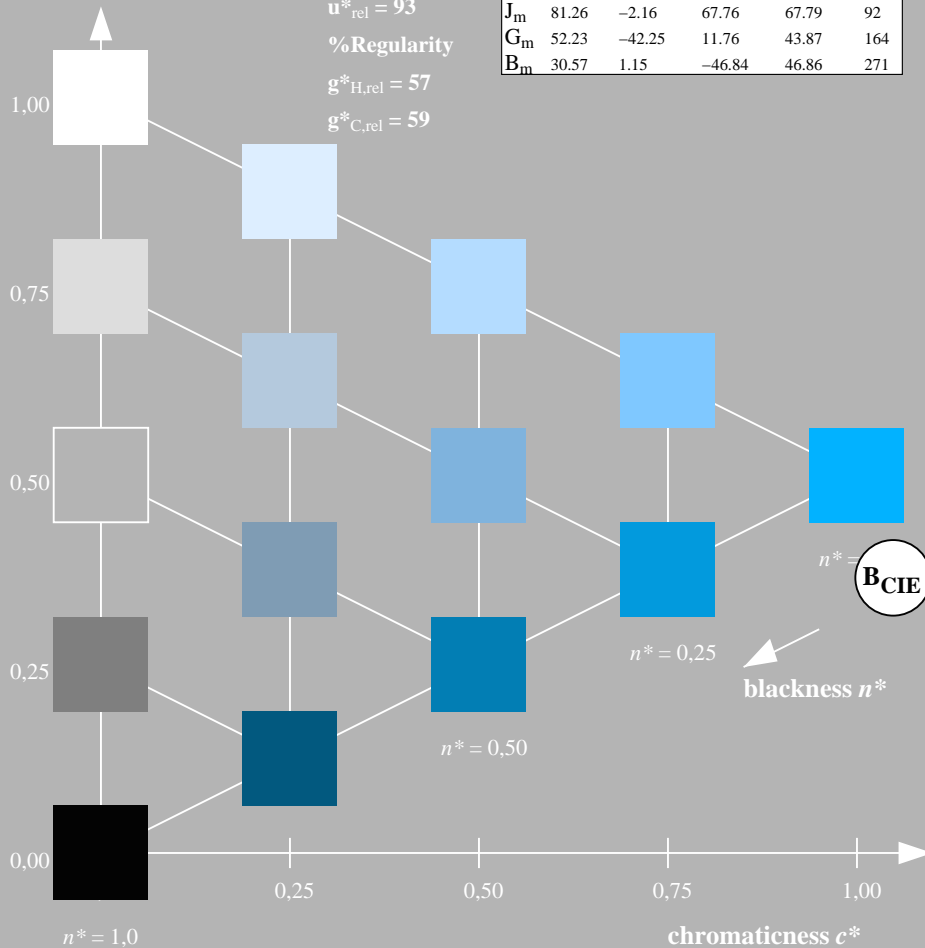
%Gamut

$u^*_{rel} = 93$

%Regularity

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

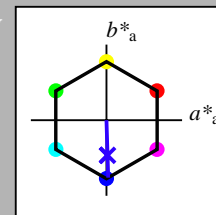
$g^*_{C,rel} = 59$



Output: Colorimetric Standard Reflective System SRS18

for hue  $h^* = lab^*h = 272/360 = 0.755$   
 $LAB^*LCH, LAB^*NCH$

D65: hue B  
 LCH\*Ma: 57 76 272  
 olv\*Ma: 0.03 0.0 1.0



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$O_m$	56.71	67.03	38.7	77.4	30
$Y_m$	56.71	0.0	77.4	77.4	90
$L_m$	56.71	-67.02	38.7	77.4	150
$C_m$	56.71	-67.02	-38.69	77.4	210
$V_m$	56.71	0.0	-77.39	77.4	270
$M_m$	56.71	67.03	-38.69	77.4	330
$N_m$	18.01	0.0	0.0	0.0	0
$W_m$	95.41	0.0	0.0	0.0	0
$R_m$	39.92	58.74	27.99	65.07	25
$J_m$	81.26	-2.88	71.56	71.62	92
$G_m$	52.23	-42.41	13.6	44.55	162
$B_m$	30.57	1.41	-46.46	46.49	272

CIELAB lightness  $L^*$

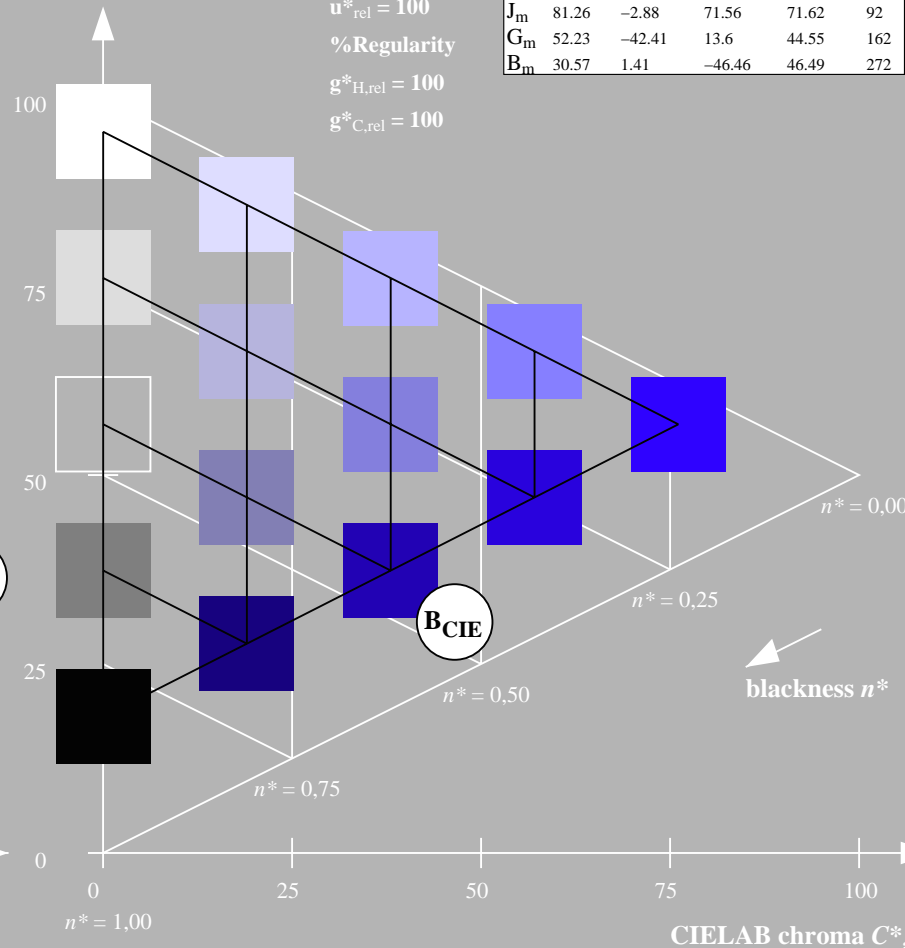
%Gamut

$u^*_{rel} = 100$

%Regularity

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

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



NE220-7, 5 step scales for constant CIE hue 271/360 = 0.754 (left)

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

BAM-test chart NE22; Colorimetric systems ORS18 & SRS18

D65: Coordinate systems of 5 step colour scales for 10 hues

input: `olv* setrgbcolor`

output: `olv* setrgbcolor / w* setgray`