

Input: Colorimetric Offset Reflective System ORS18

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

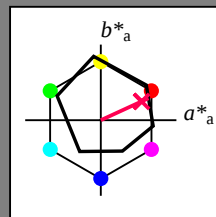
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 69 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

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

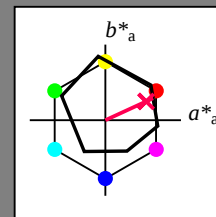
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 69 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

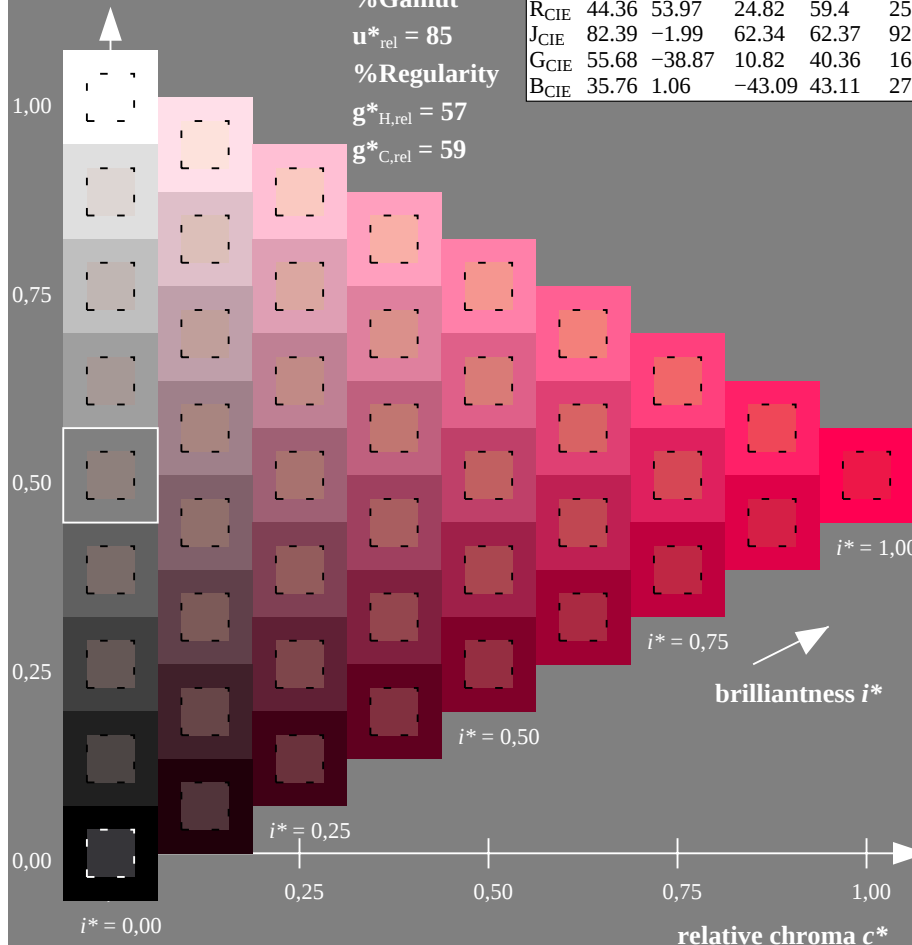
%Gamut

$u^*_{rel} = 85$

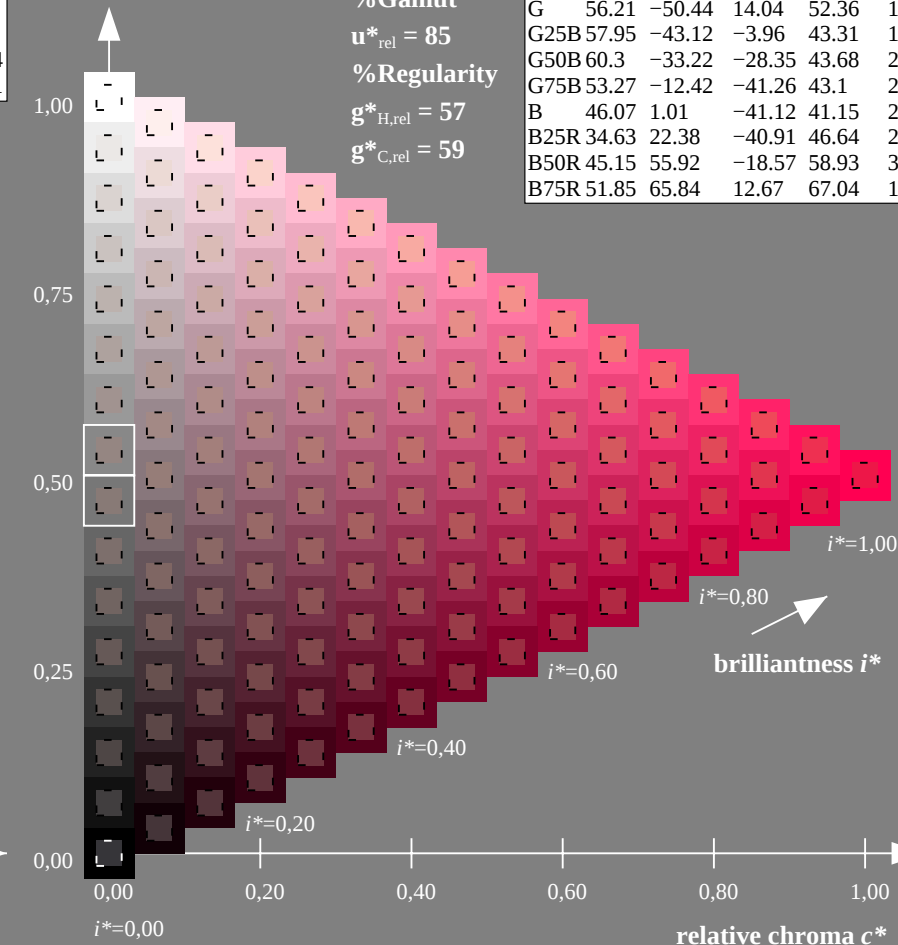
%Regularity

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

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



ZE920-7F, 9 step scales for constant CIELAB hue 25/360 = 0.069 (left)



ZE920-7F, 16 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 41/360 = 0.113$

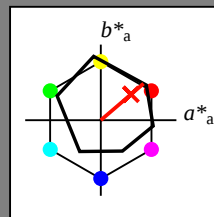
lab^*tch and lab^*nch

D65: hue R25J

LCH*Ma: 54 74 41

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 41/360 = 0.113$

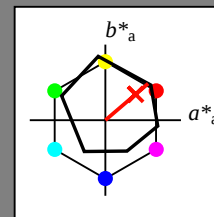
lab^*tch and lab^*nch

D65: hue R25J

LCH*Ma: 54 74 41

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



%Gamut

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%Regularity

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

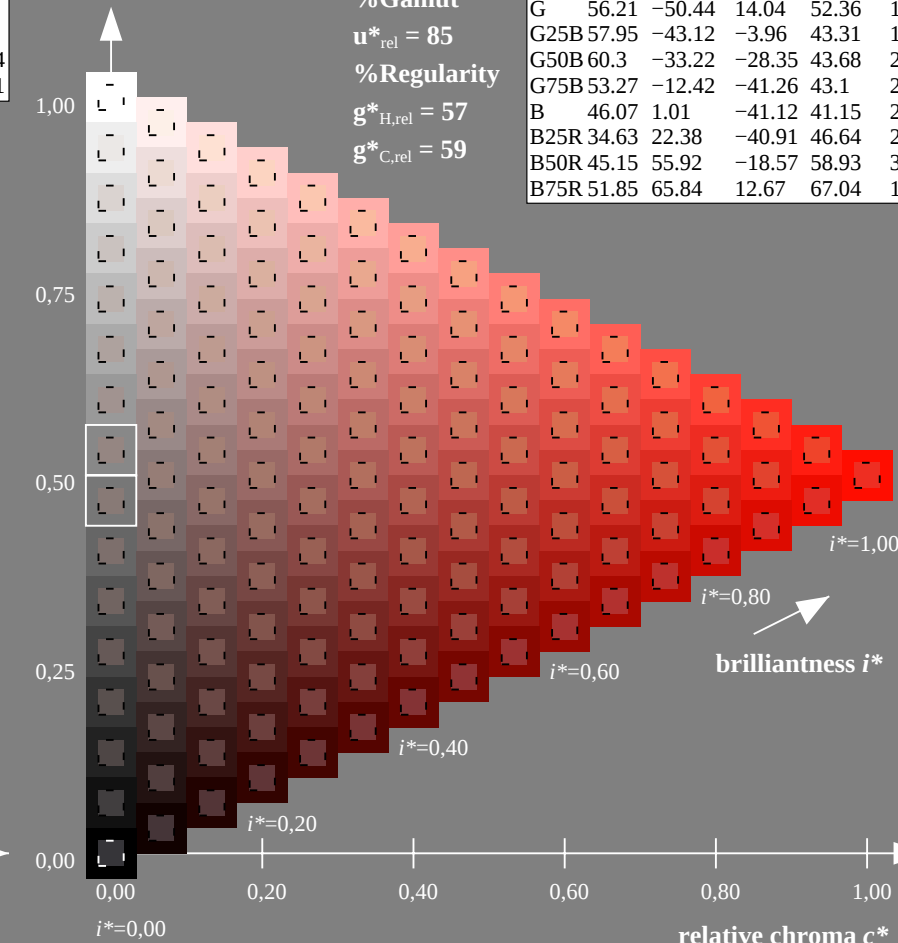
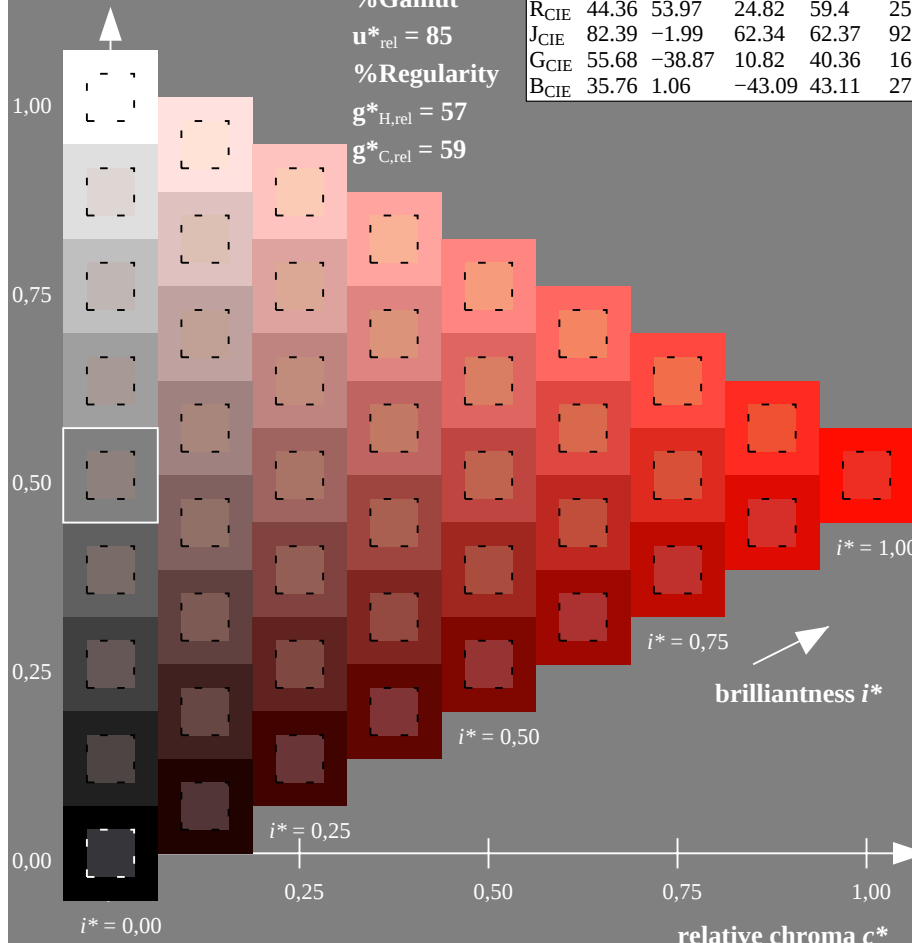
%Gamut

$u^*_{rel} = 85$

%Regularity

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

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



ZE920-7F, 9 step scales for constant CIELAB hue 41/360 = 0.113 (left)

Page 2/96

ZE920-7F, 16 step scales for constant CIELAB hue 41/360 = 0.113 (right)

BAM-test chart ZE92; Colorimetric systems, Page 2/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 59/360 = 0.164$

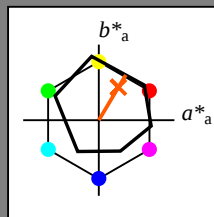
lab^*tch and lab^*nch

D65: hue R50J

LCH*Ma: 65 70 59

olv*Ma: 1.0 0.35 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 59/360 = 0.164$

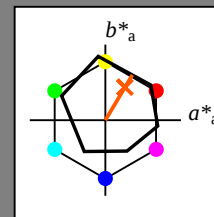
lab^*tch and lab^*nch

D65: hue R50J

LCH*Ma: 65 70 59

olv*Ma: 1.0 0.35 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

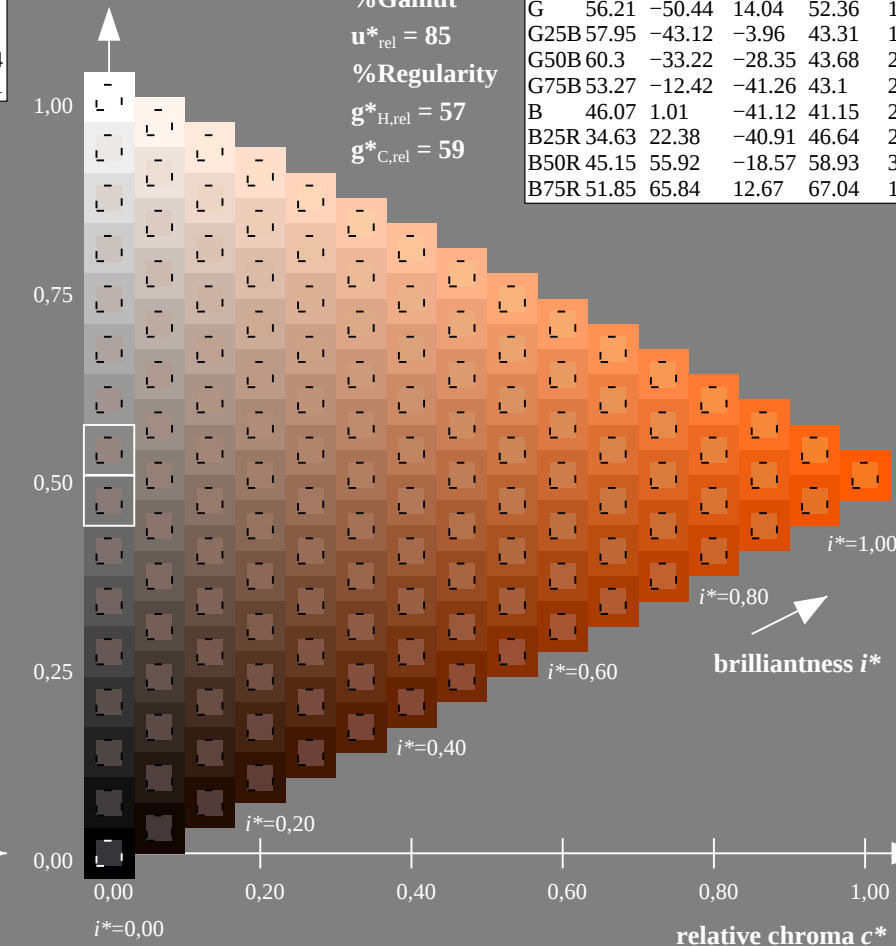
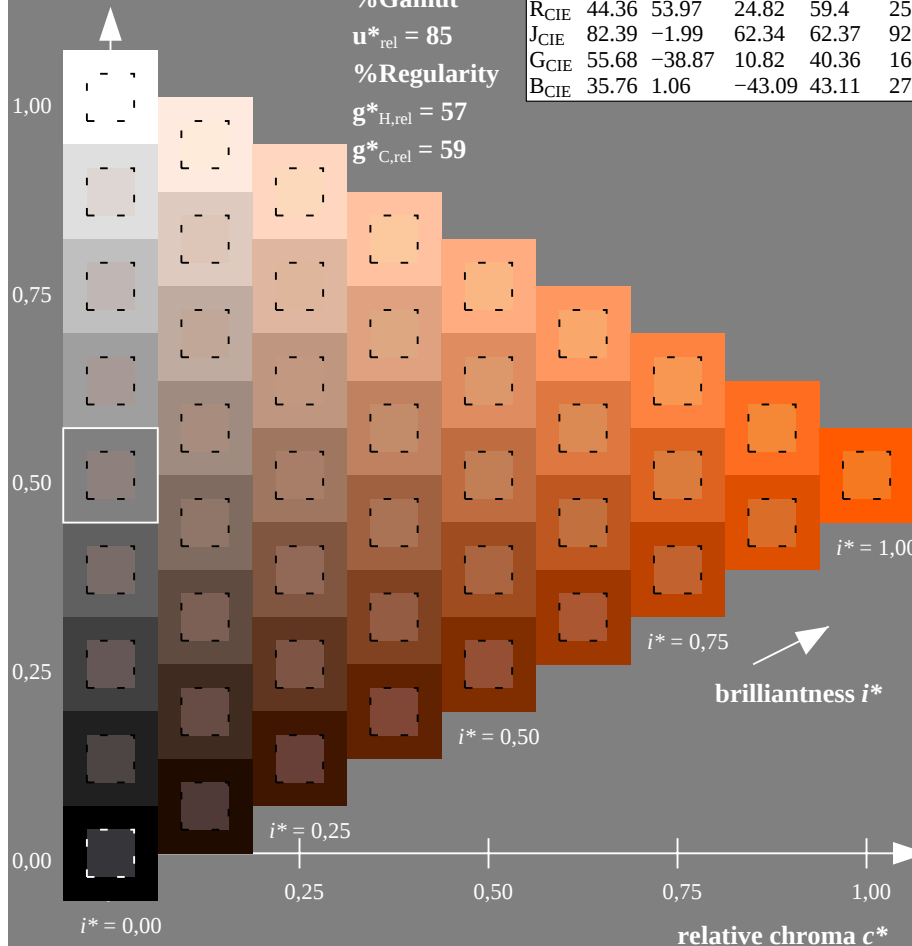
%Gamut

$u^*_{rel} = 85$

%Regularity

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



ZE920-7F, 9 step scales for constant CIELAB hue 59/360 = 0.164 (left)

Page 3/96

ZE920-7F, 16 step scales for constant CIELAB hue 59/360 = 0.164 (right)

BAM-test chart ZE92; Colorimetric systems, Page 3/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmY0 set(rgb/cmyk)color$

output: no change compared to input

BAM registration: 20071001-ZE92/10L/L92E00FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rhdata

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 77/360 = 0.215$

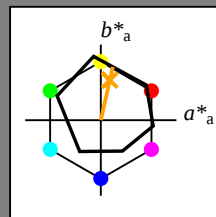
lab^*tch and lab^*nch

D65: hue R75J

LCH*Ma: 77 72 77

olv*Ma: 1.0 0.63 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 77/360 = 0.215$

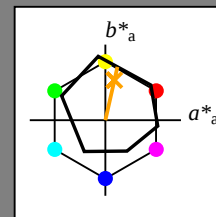
lab^*tch and lab^*nch

D65: hue R75J

LCH*Ma: 77 72 77

olv*Ma: 1.0 0.63 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

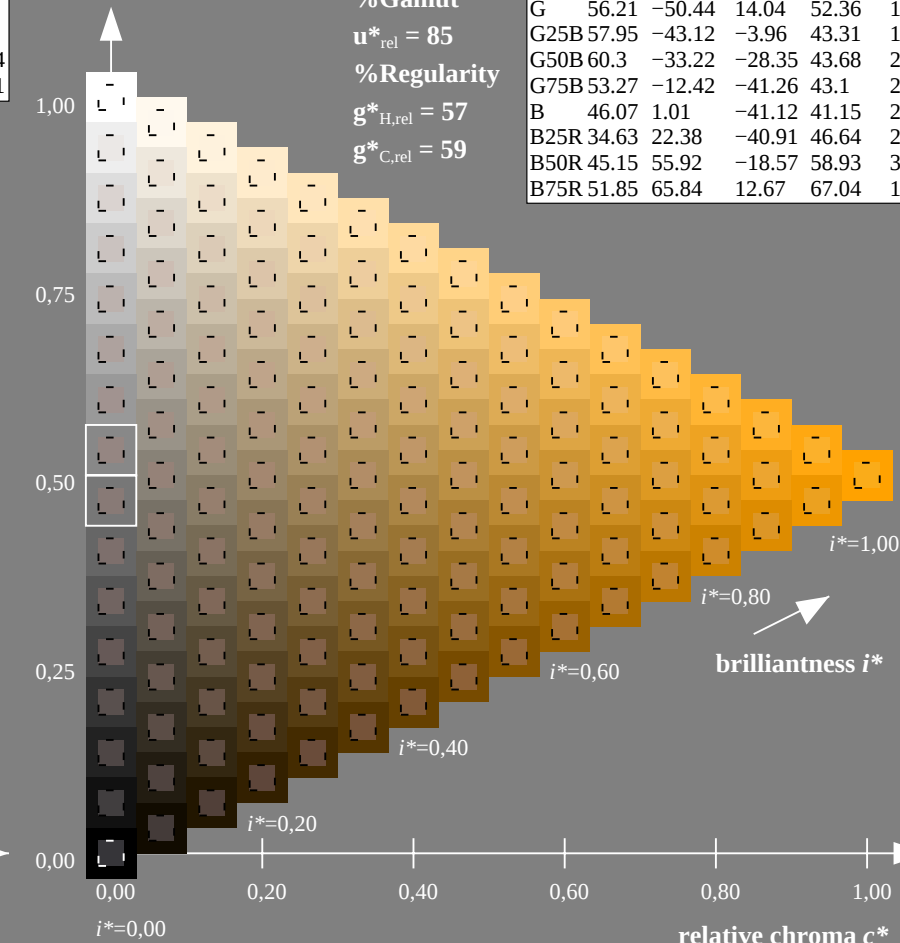
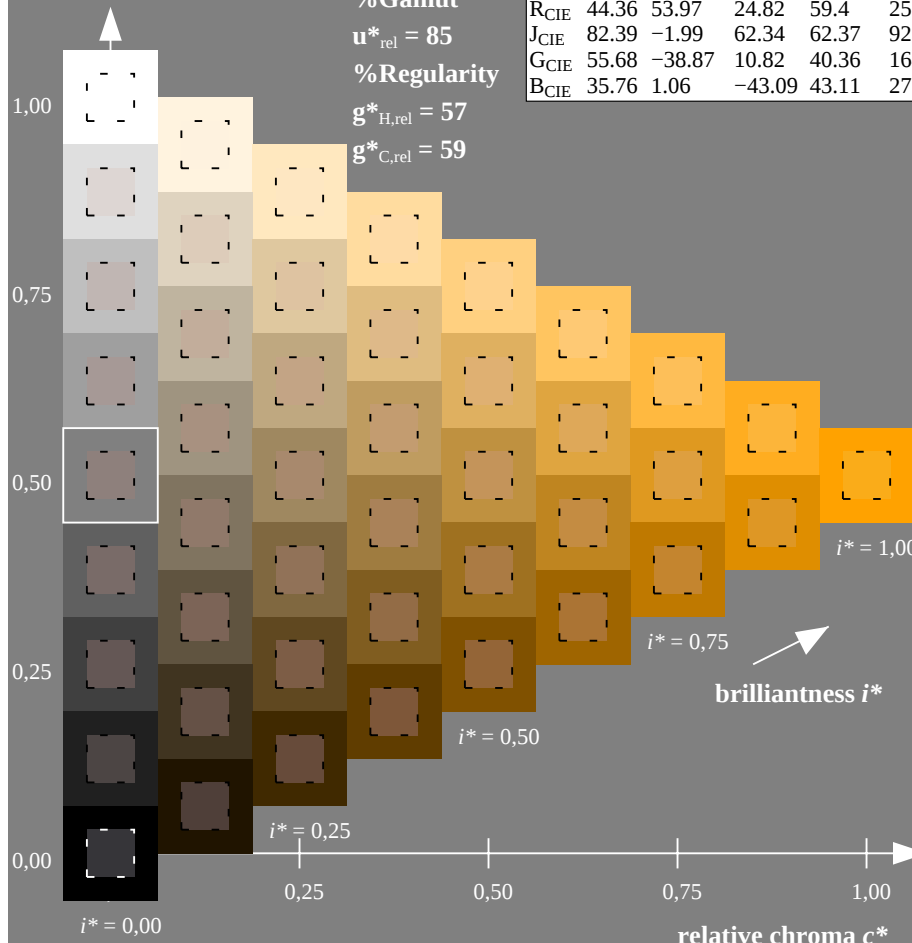
%Gamut

$u^*_{rel} = 85$

%Regularity

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

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



ZE920-7F, 9 step scales for constant CIELAB hue 77/360 = 0.215 (left)

Page 4/96

ZE920-7F, 16 step scales for constant CIELAB hue 77/360 = 0.215 (right)

BAM-test chart ZE92; Colorimetric systems, Page 4/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmY0 set(rgb/cmyk)color$

output: no change compared to input

BAM registration: 20071001-ZE92/10L/L92E00FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rh4ta

See for similar files: <http://www.ps.bam.de/ZE92/>; www.ps.bam.de/ZE.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB

BAM registration: 20071001-ZE92101/L92E00FP.PS.PDF BAM material: code=rha4ta
+ application for evaluation and measurement of printer or monitor systems

Input: Colorimetric Offset Reflective System ORS18

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

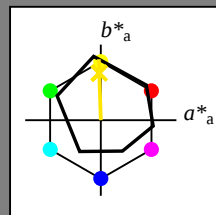
lab*tch and lab*nch

D65: hue J

LCH*Ma: 87 81 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



%Gamut

 $u^*_{rel} = 85$

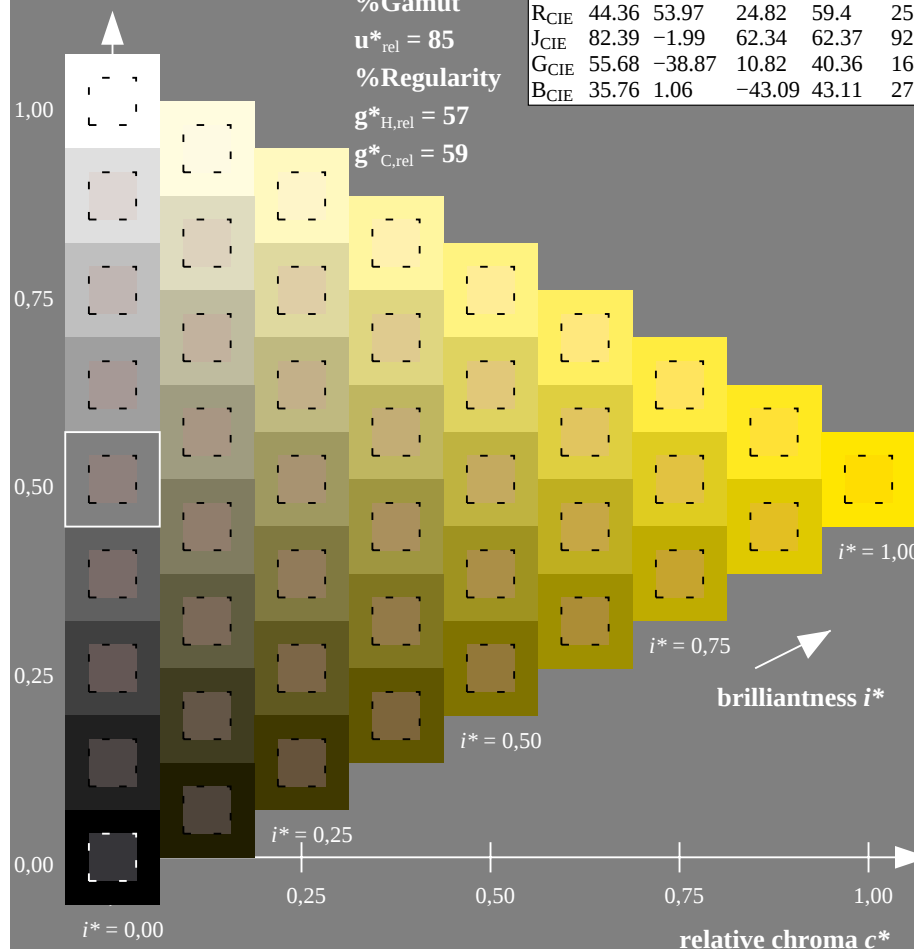
%Regularity

 $\sigma^*_{\text{II,rel}} = 57$

■ $g^*_{C_{rel}} = 59$

ORS18; adapted (a) CIELAB data

	$L^*=L_a^*$	α_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	51.74	60.16	46.48	76.02	38
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V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 92/360 = 0.255 (left)

BAM-test chart ZE92: Colorimetric systems. Page 5/96

D65: 9 and 16 step colour scales for 16 elementary hues

Page 5/96

Output: Colorimetric Offset Reflective System ORS18

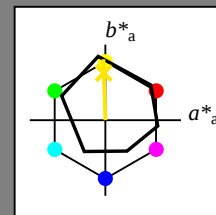
for hue $h^* = lab^*h = 92/360 = 0.255$

lab*tch and lab*nch

D65: hue J

LCH*Ma: 87 81 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^* 

%Gamut

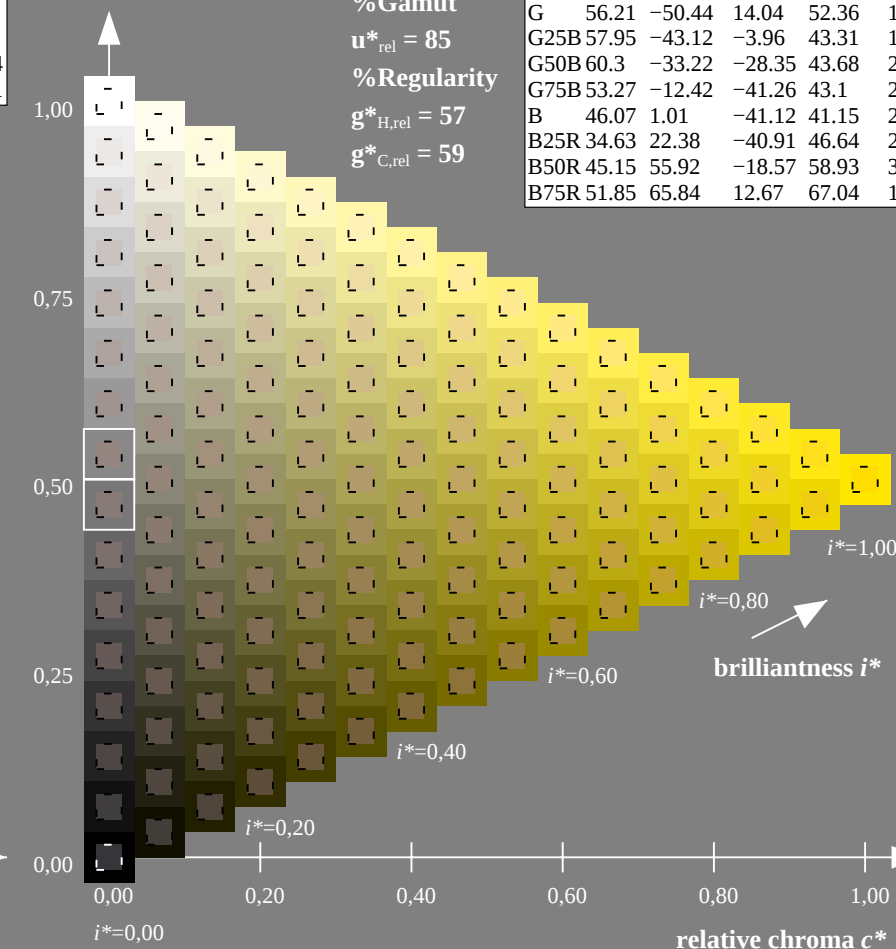
$$u_{\text{rel}}^* = 85$$

%Regularity

 $\sigma^*_{\text{II,rel}} = 57$
$$g^*_{C_{rel}} = 59$$

ORS18; adapted (a) CIELAB data

	$L^* = L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
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J25G	84.92	-17.23	75.99	77.92	103
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G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	411



ZE920-7F, 16 step scales for constant CIELAB hue 92/360 = 0.255 (right)

```
input: rgb / cmv0 set(rgb/cmyk)color
```

output: no change compared to input

See for similar files: <http://www.ps.bam.de/ZE92/>; www.ps.bam.de/ZE92/10L/L92E00FP.PS/.PDF
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB

BAM registration: 20071001-ZE92/10L/L92E00FP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 103/360 = 0.286$

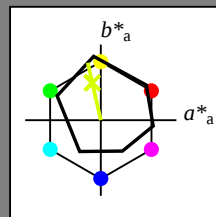
lab^*tch and lab^*nch

D65: hue J25G

LCH*Ma: 85 78 103

olv*Ma: 0.84 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 103/360 = 0.286$

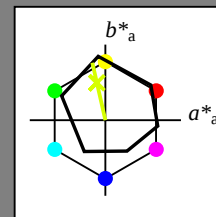
lab^*tch and lab^*nch

D65: hue J25G

LCH*Ma: 85 78 103

olv*Ma: 0.84 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

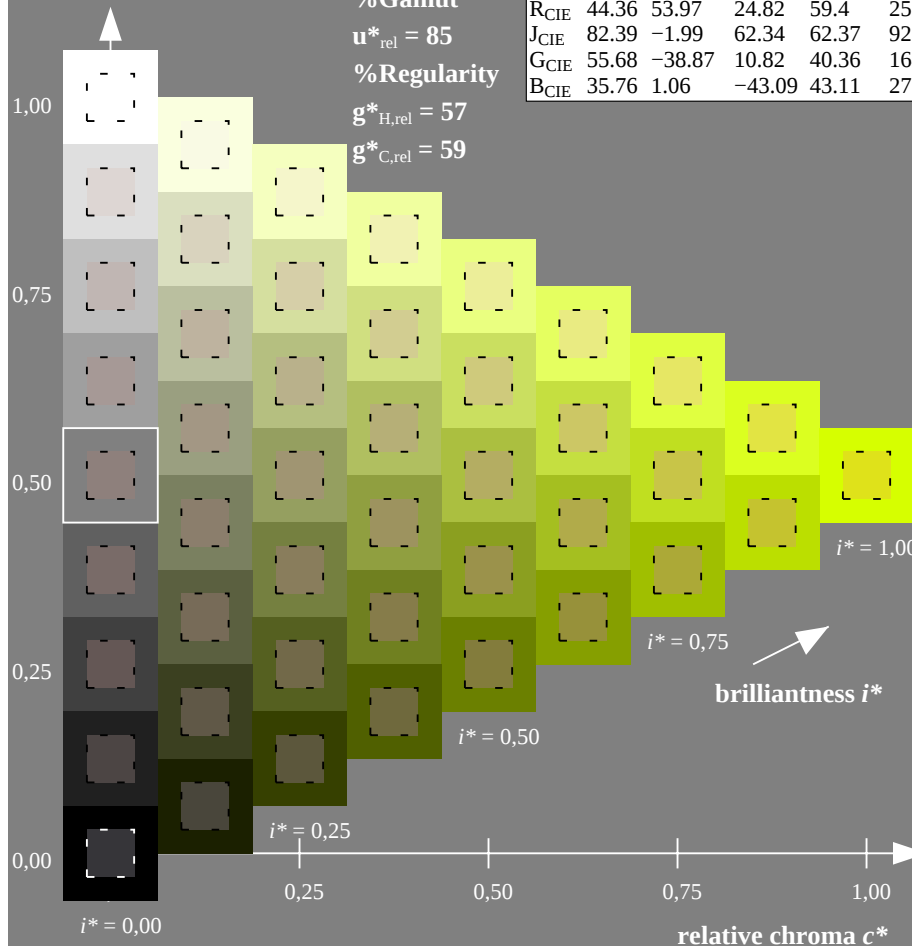
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 9 step scales for constant CIELAB hue 103/360 = 0.286 (left)

Page 6/96

ZE920-7F, 16 step scales for constant CIELAB hue 103/360 = 0.286 (right)

BAM-test chart ZE92; Colorimetric systems, Page 6/96
D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmY0 set(rgb/cmyk)color$
output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 119/360 = 0.331$

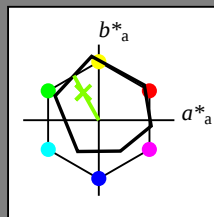
lab^*tch and lab^*nch

D65: hue J50G

LCH*Ma: 73 68 119

olv*Ma: 0.51 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

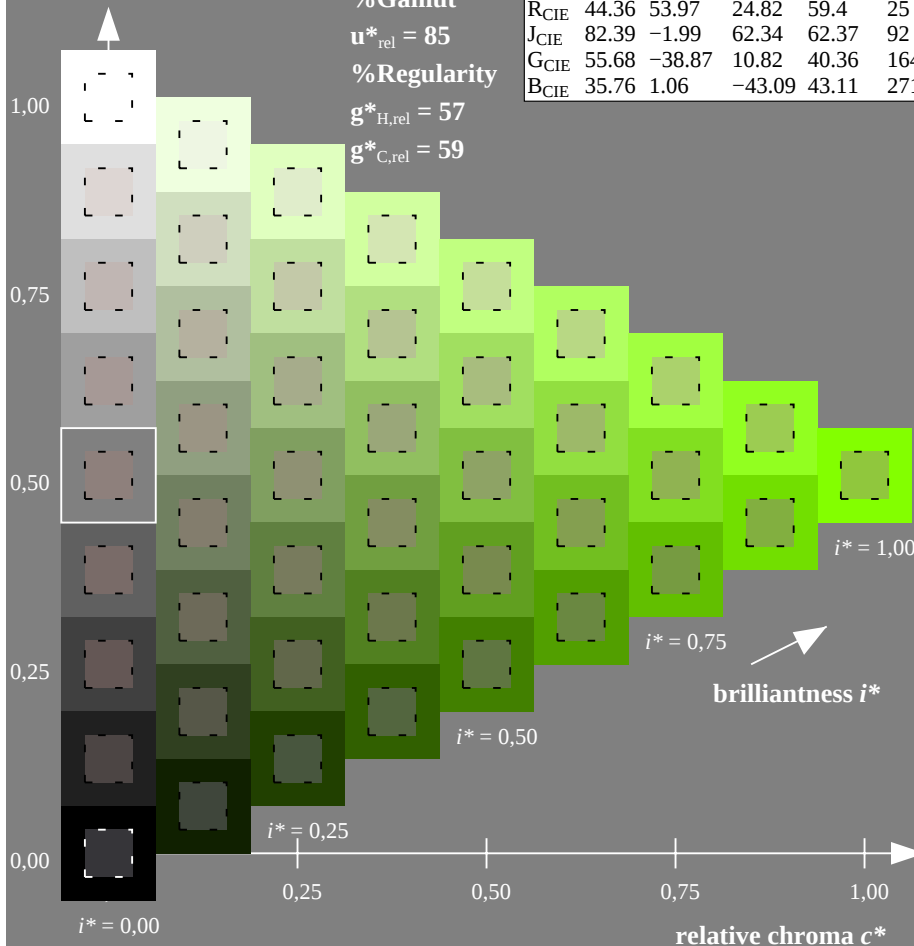
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 119/360 = 0.331 (left)

Page 7/96

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 119/360 = 0.331$

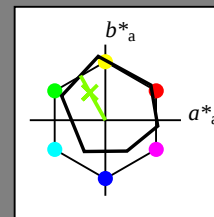
lab^*tch and lab^*nch

D65: hue J50G

LCH*Ma: 73 68 119

olv*Ma: 0.51 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

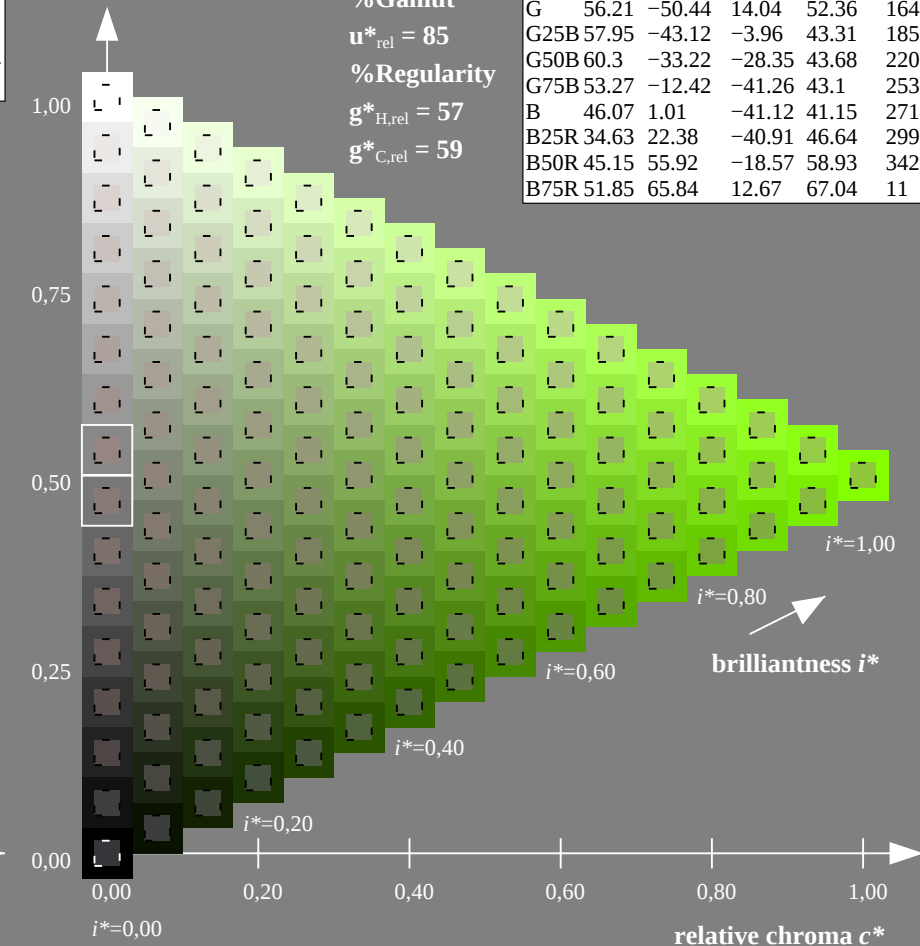
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 16 step scales for constant CIELAB hue 119/360 = 0.331 (right)

BAM-test chart ZE92; Colorimetric systems, Page 7/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmY0 set(rgb/cmyk)color$

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 141/360 = 0.393$

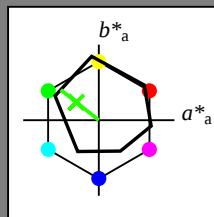
lab^*tch and lab^*nch

D65: hue J75G

LCH*Ma: 60 64 141

olv*Ma: 0.15 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 141/360 = 0.393$

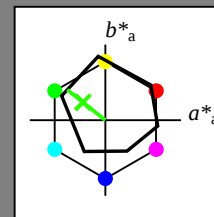
lab^*tch and lab^*nch

D65: hue J75G

LCH*Ma: 60 64 141

olv*Ma: 0.15 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

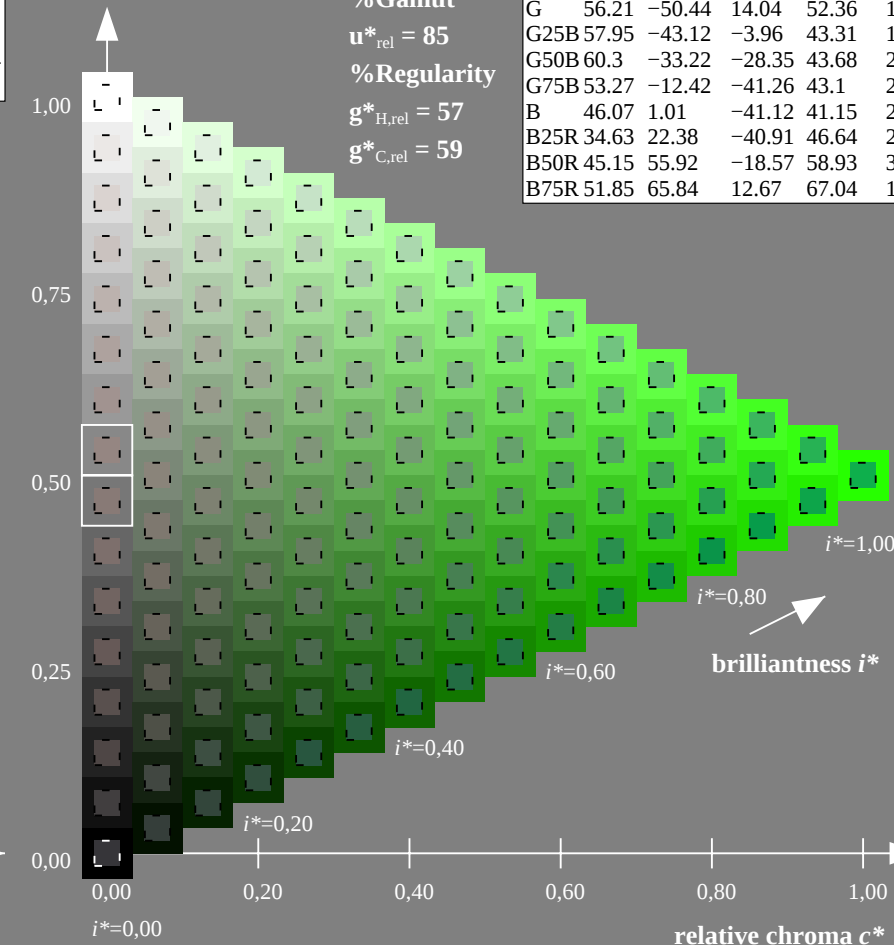
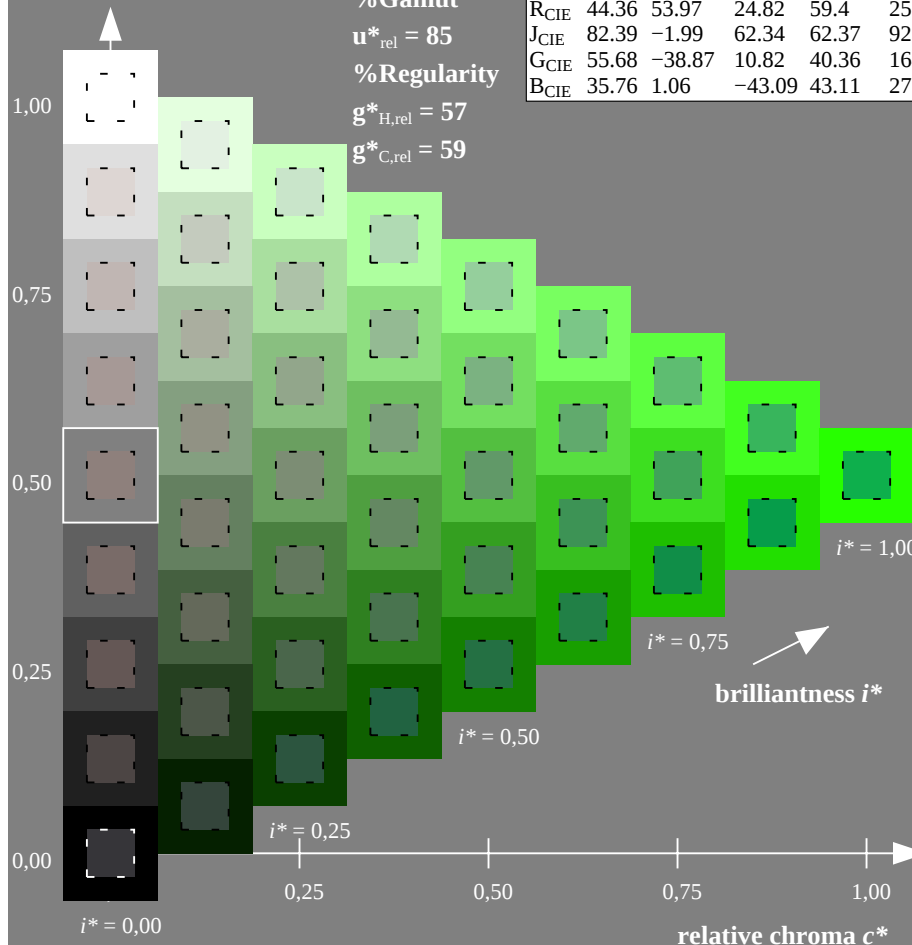
%Gamut

$u^*_{rel} = 85$

%Regularity

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

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



ZE920-7F, 9 step scales for constant CIELAB hue 141/360 = 0.393 (left)

Page 8/96

ZE920-7F, 16 step scales for constant CIELAB hue 141/360 = 0.393 (right)

BAM-test chart ZE92; Colorimetric systems, Page 8/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmY0 set(rgb/cmyk)color$

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

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

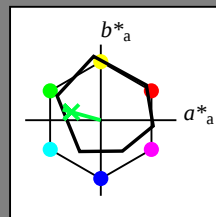
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 52 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

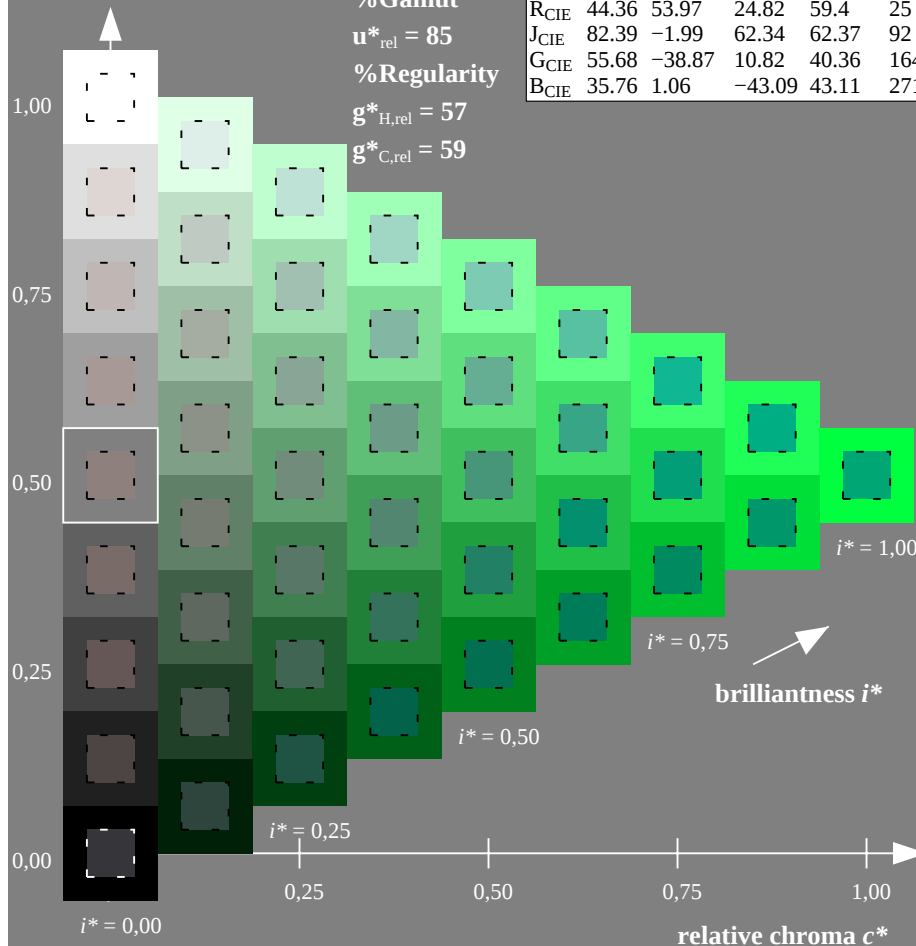
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



Output: Colorimetric Offset Reflective System ORS18

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

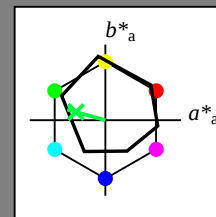
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 52 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

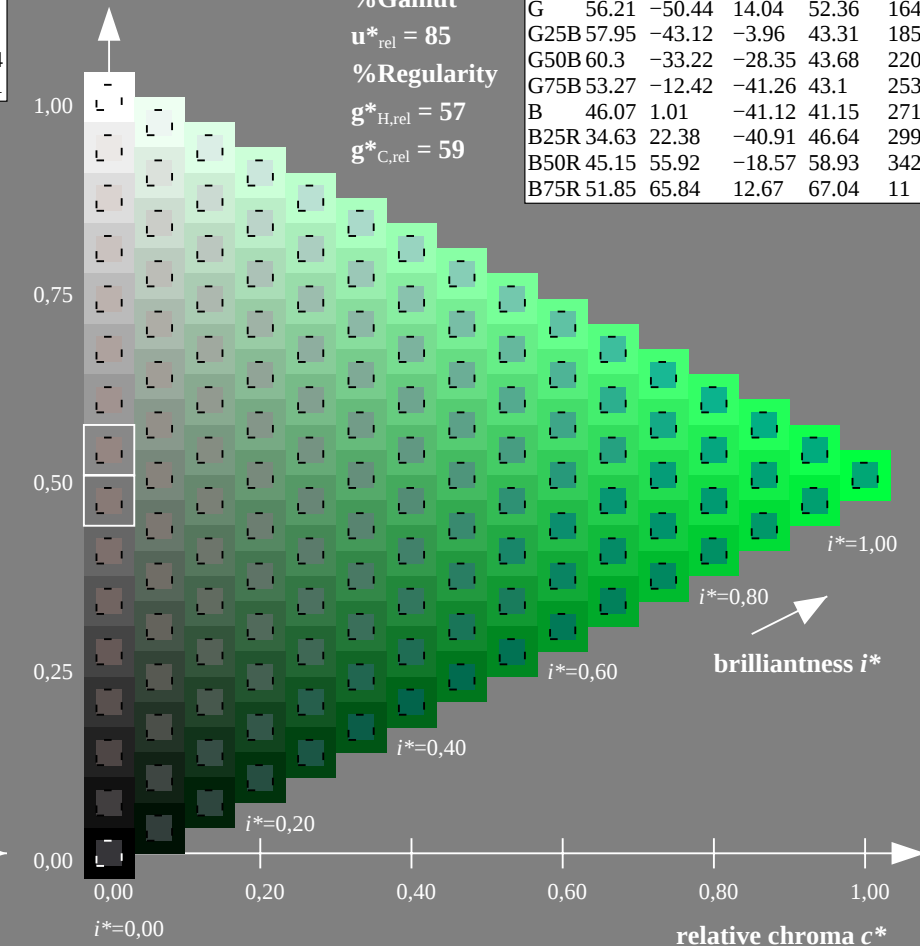
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 9 step scales for constant CIELAB hue 164/360 = 0.457 (left)

Page 9/96

ZE920-7F, 16 step scales for constant CIELAB hue 164/360 = 0.457 (right)

BAM-test chart ZE92; Colorimetric systems, Page 9/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmY0 set(rgb/cmyk)color$

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 185/360 = 0.515$

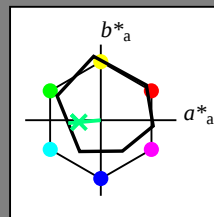
lab^*tch and lab^*nch

D65: hue G25B

LCH*Ma: 58 43 185

olv*Ma: 0.0 1.0 0.49

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 185/360 = 0.515$

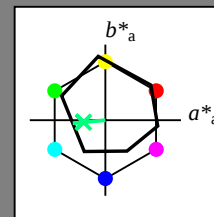
lab^*tch and lab^*nch

D65: hue G25B

LCH*Ma: 58 43 185

olv*Ma: 0.0 1.0 0.49

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

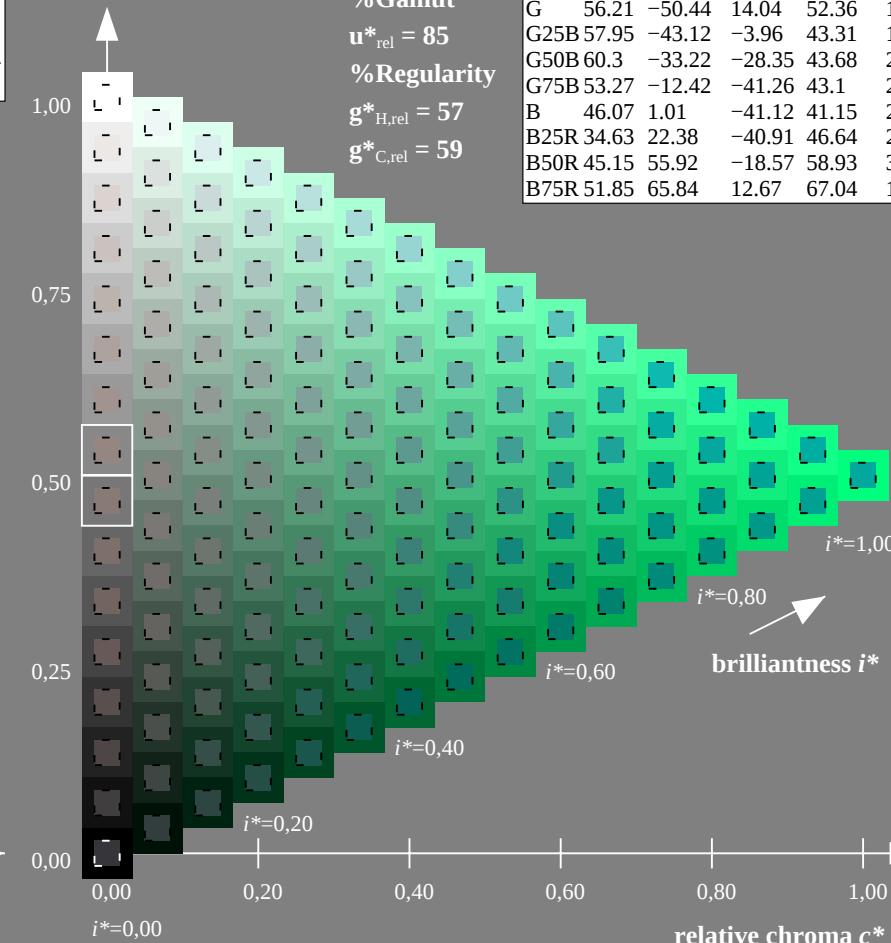
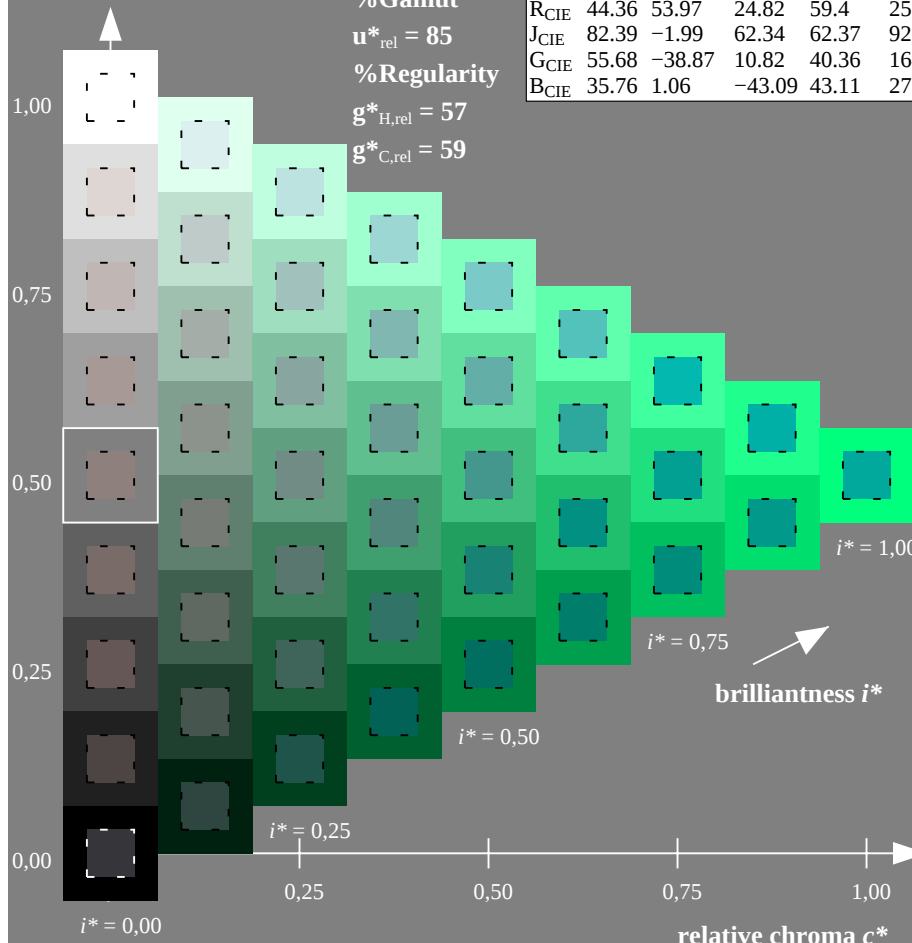
%Gamut

$u^*_{rel} = 85$

%Regularity

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

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



ZE920-7F, 9 step scales for constant CIELAB hue 185/360 = 0.515 (left)

Page 10/96

ZE920-7F, 16 step scales for constant CIELAB hue 185/360 = 0.515 (right)

BAM-test chart ZE92; Colorimetric systems, Page 10/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmY0 set(rgb/cmyk)color$

output: no change compared to input

See for similar files: <http://www.ps.bam.de/ZE92/>; www.ps.bam.de/ZE.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB

BAM registration: 20071001-ZE92101/L92E00FP.PS.PDF BAM material: code=rha4ta
+ application for evaluation and measurement of printer or monitor systems

Input: Colorimetric Offset Reflective System ORS18

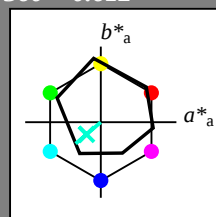
for hue $h^* = lab^*h = 220/360 = 0.612$

lab*tch and lab*nch

D65: hue G50B

LCH*Ma: 60 44 220

olv*Ma: 0.0 1.0 0.82



triangle lightness t^*

%Gamut

$$u_{rel}^* = 85$$

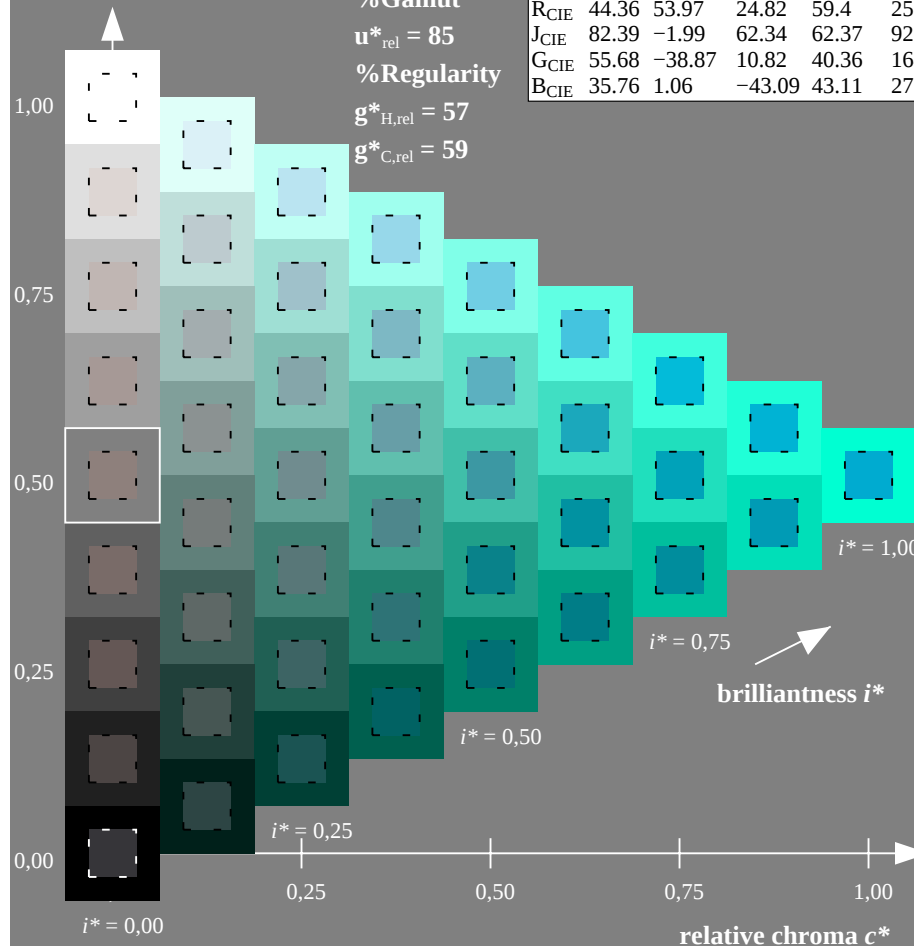
%Regularity

$$g^*_{H_{rel}} = 57$$

■ $g^*_{C_{rel}} = 59$

ORS18; adapted (a) CIELAB data

	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIF}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 220/360 = 0.612 (left)

BAM-test chart ZE92; Colorimetric systems, Page 11/96
D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

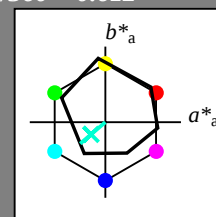
for hue $h^* = lab^*h = 220/360 = 0.612$

*lab*tch* and *lab*nch*

D65: hue G50B

LCH*Ma: 60 44 220

olv*Ma: 0.0 1.0 0.82

triangle lightness t^*

%Gamut

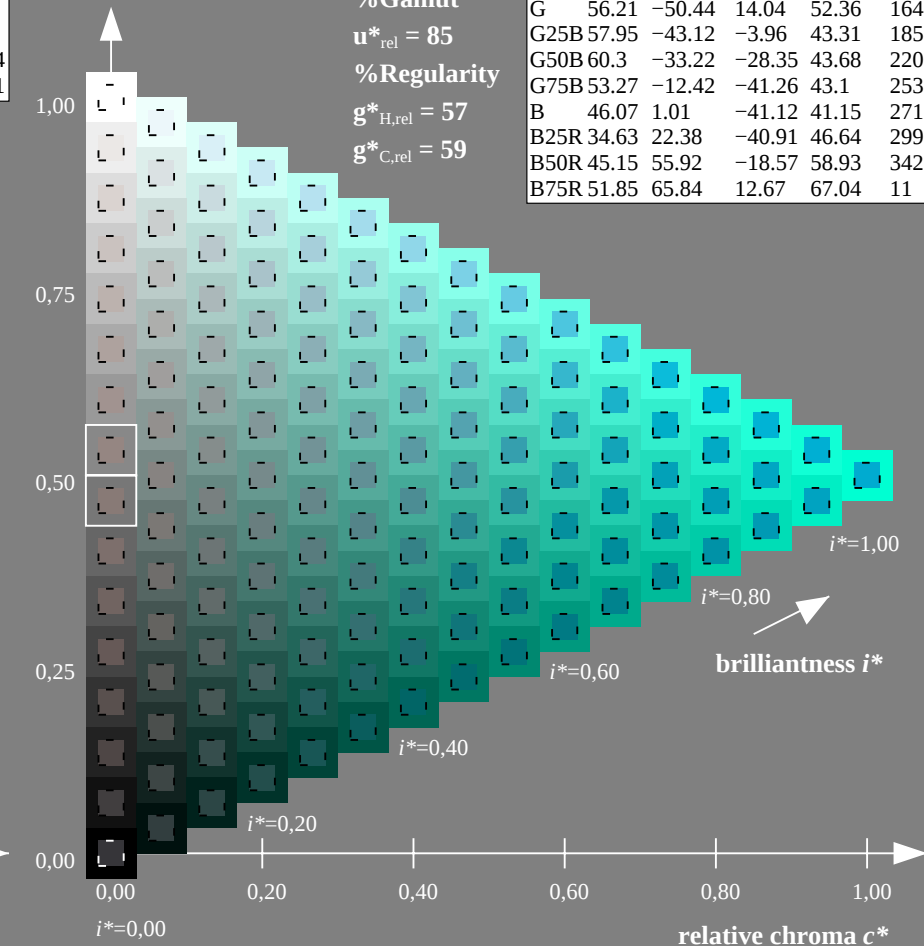
$$u_{rel}^* = 85$$

%Regularity

$$g^*_{H_{rel}} = 57$$
$$g^*_{C_{rel}} = 59$$

ORS18; adapted (a) CIELAB data

	$L^* = L^*_{\text{a}}$	a^*_{a}	b^*_{a}	$C^*_{\text{ab,a}}$	$h^*_{\text{ab,a}}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	411



ZE920-7F, 16 step scales for constant CIELAB hue 220/360 = 0.612 (right)

input: *rgb / cmy0* set(*rgb/cmyk*)color
output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 253/360 = 0.703$

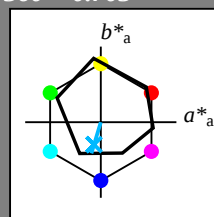
lab^*tch and lab^*nch

D65: hue G75B

LCH*Ma: 53 43 253

olv*Ma: 0.0 0.73 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

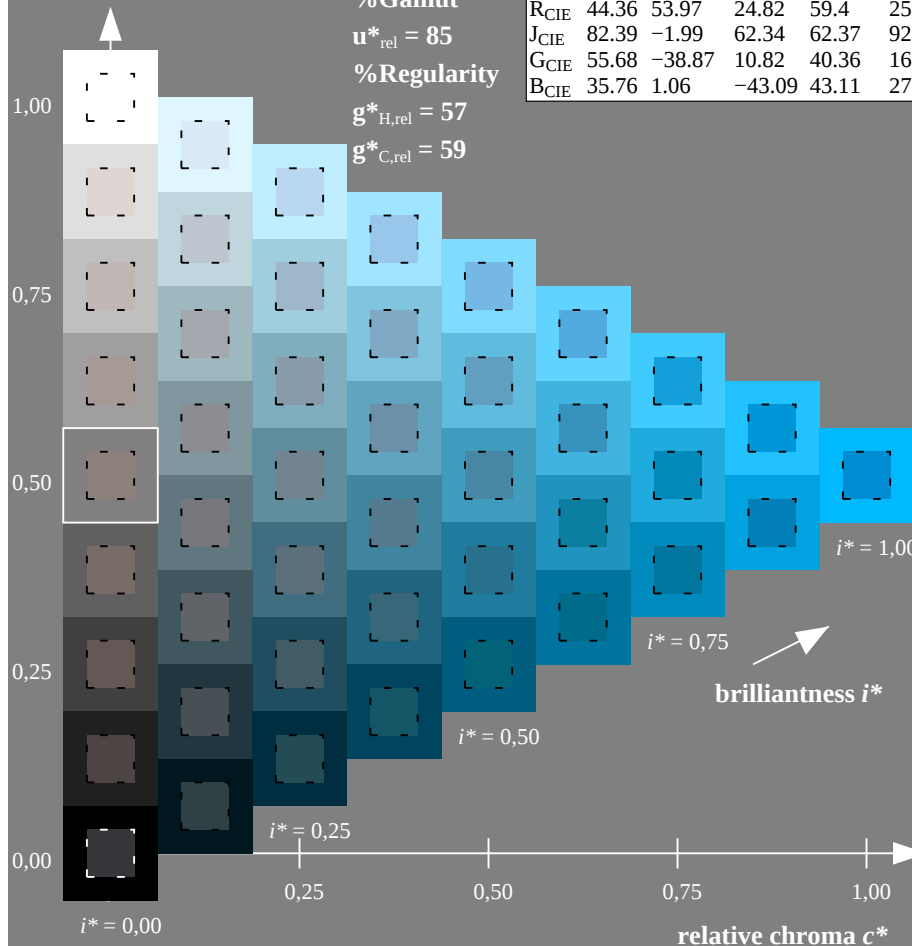
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 253/360 = 0.703$

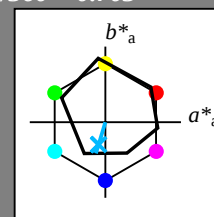
lab^*tch and lab^*nch

D65: hue G75B

LCH*Ma: 53 43 253

olv*Ma: 0.0 0.73 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

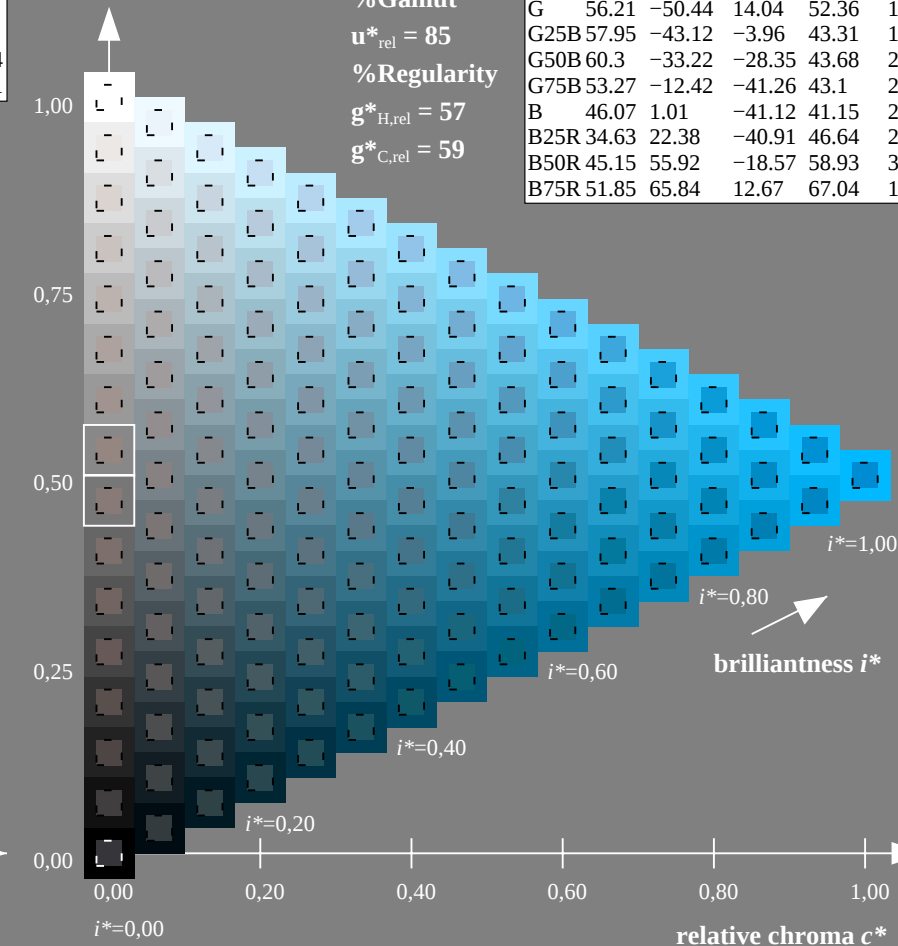
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 9 step scales for constant CIELAB hue 253/360 = 0.703 (left)

Page 12/96

ZE920-7F, 16 step scales for constant CIELAB hue 253/360 = 0.703 (right)

BAM-test chart ZE92; Colorimetric systems, Page 12/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmY0 set(rgb/cmyk)color$

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

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

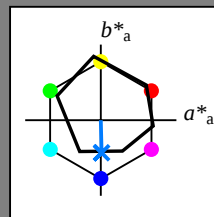
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 46 41 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

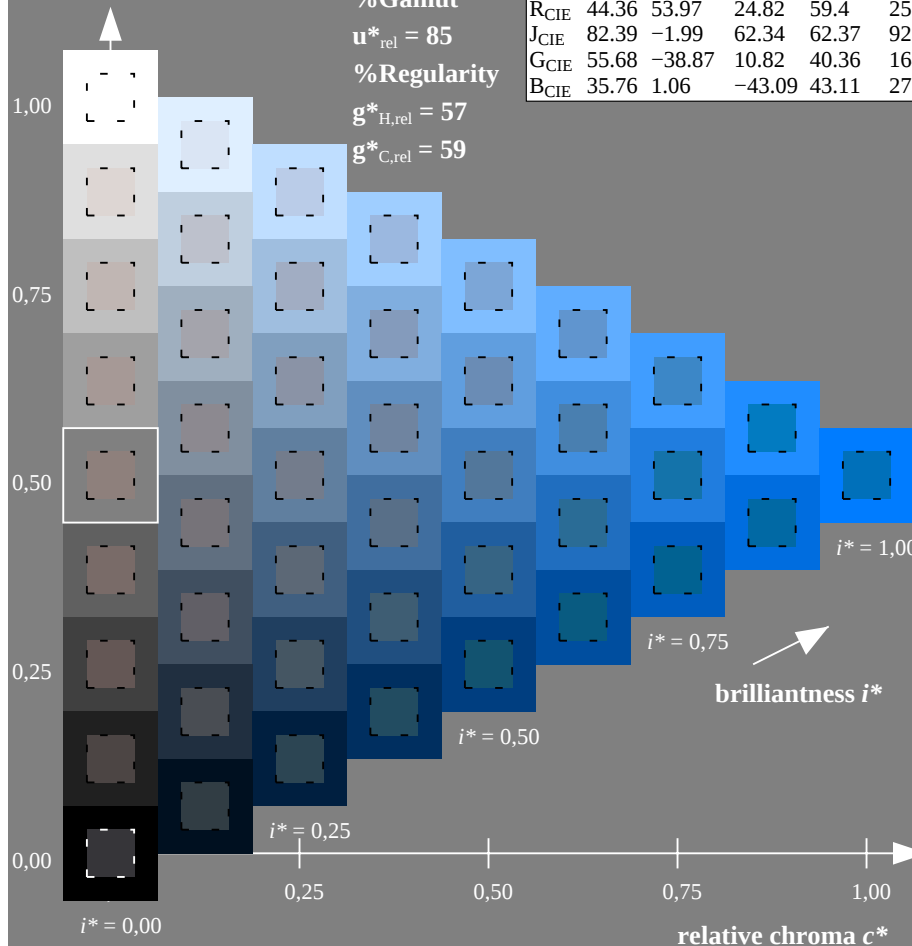
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



Output: Colorimetric Offset Reflective System ORS18

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

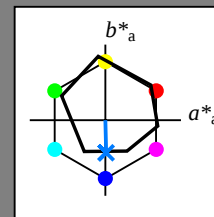
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 46 41 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

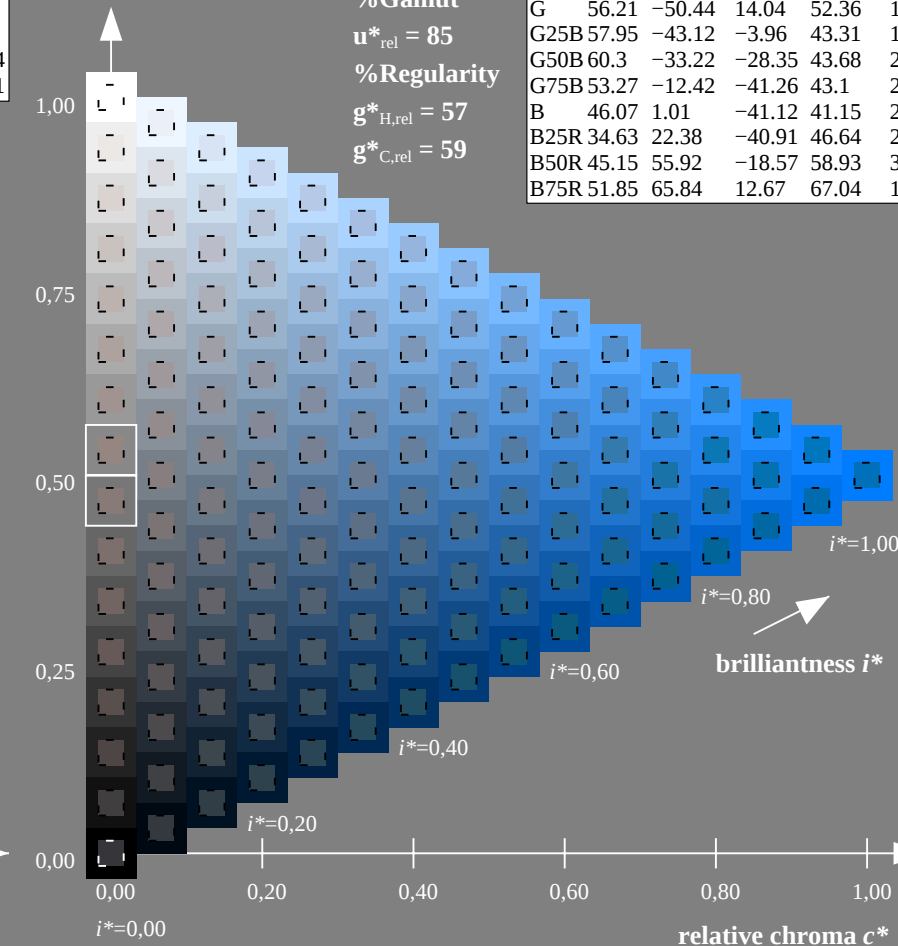
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 9 step scales for constant CIELAB hue 271/360 = 0.754 (left)

Page 13/96

ZE920-7F, 16 step scales for constant CIELAB hue 271/360 = 0.754 (right)

BAM-test chart ZE92; Colorimetric systems, Page 13/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmY0 set(rgb/cmyk)color$

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 299/360 = 0.83$

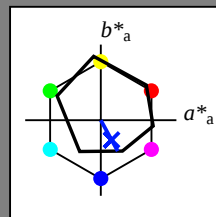
lab^*tch and lab^*nch

D65: hue B25R

LCH*Ma: 35 47 299

olv*Ma: 0.0 0.11 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 299/360 = 0.83$

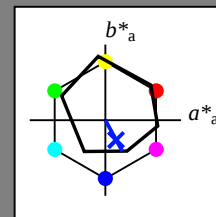
lab^*tch and lab^*nch

D65: hue B25R

LCH*Ma: 35 47 299

olv*Ma: 0.0 0.11 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

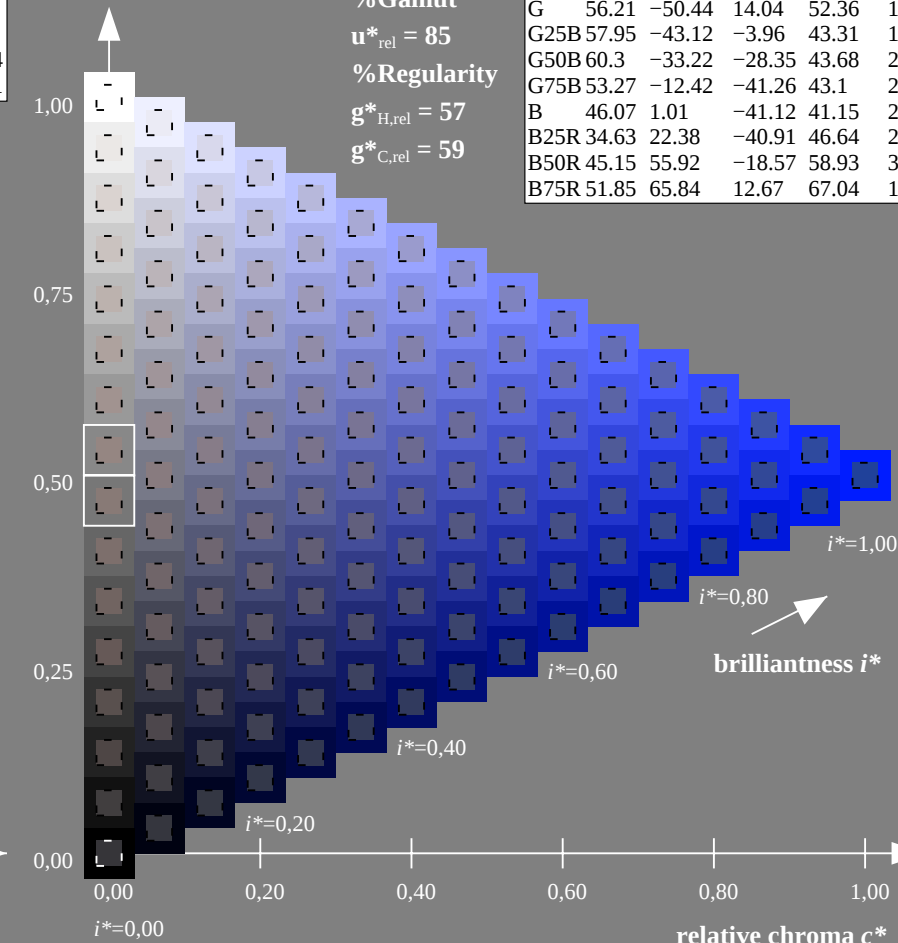
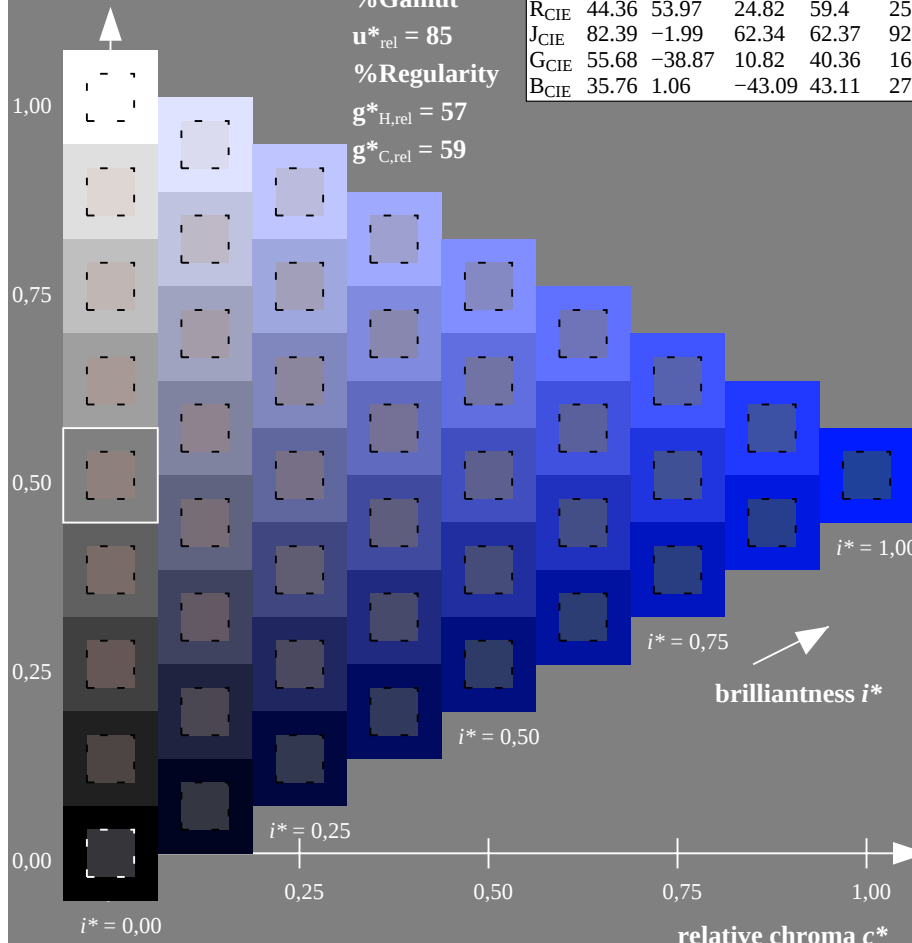
%Gamut

$u^*_{rel} = 85$

%Regularity

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

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



ZE920-7F, 9 step scales for constant CIELAB hue 299/360 = 0.83 (left)

Page 14/96

ZE920-7F, 16 step scales for constant CIELAB hue 299/360 = 0.83 (right)

BAM-test chart ZE92; Colorimetric systems, Page 14/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmY0 set(rgb/cmyk)color$

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

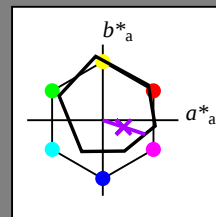
for hue $h^* = lab^*h = 342/360 = 0.949$

lab*tch and lab*nch

D65: hue B50R

LCH*Ma: 45 59 342

olv*Ma: 0.67 0.0 1.0



%Gamut

$$u_{\text{rel}}^* = 85$$

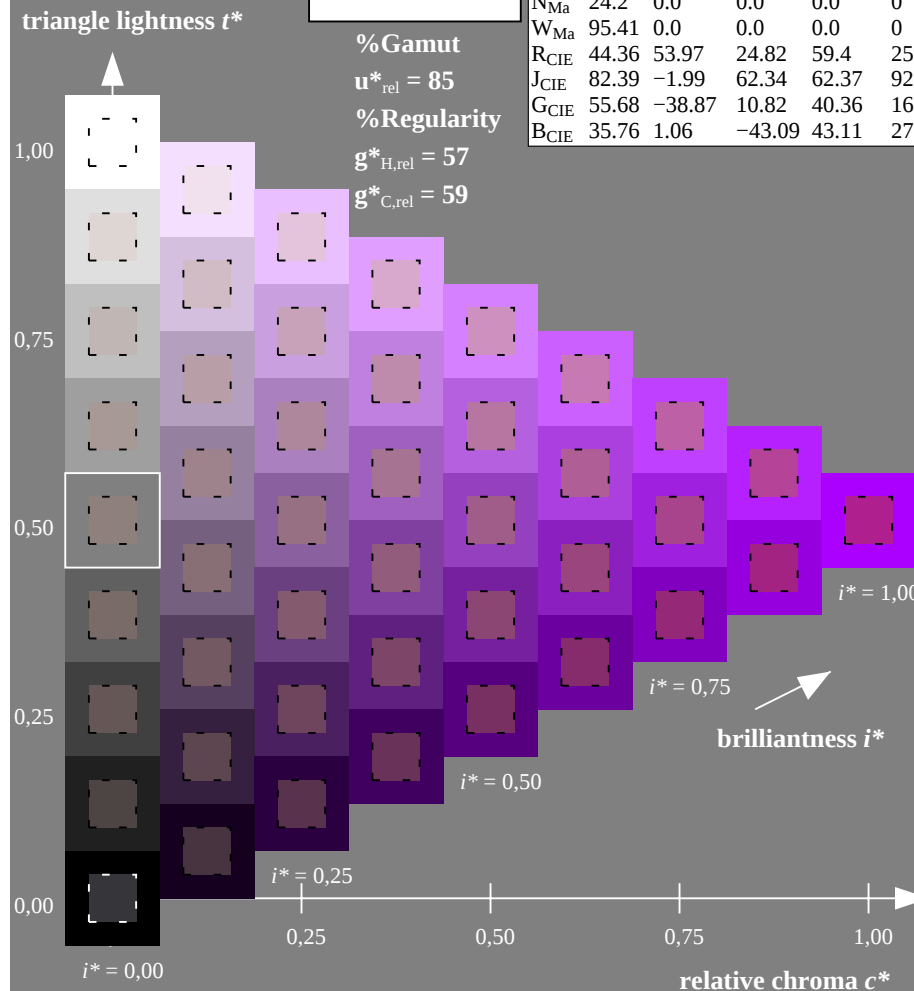
%Regularity

$$g^*_{H_{rel}} = 57$$

■ $g^*_{C_{rel}} = 59$

ORS18; adapted (a) CIELAB data

	$L^*=L_a^*$	α_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 342/360 = 0.949 (left)

BAM-test chart ZE92: Colorimetric systems. Page 15/96

D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

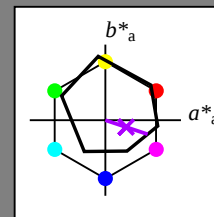
for hue $h^* = lab^*h = 342/360 = 0.949$

lab*tch and lab*nch

D65: hue B50R

LCH*Ma: 45 59 342

olv*Ma: 0.67 0.0 1.0



%Gamut

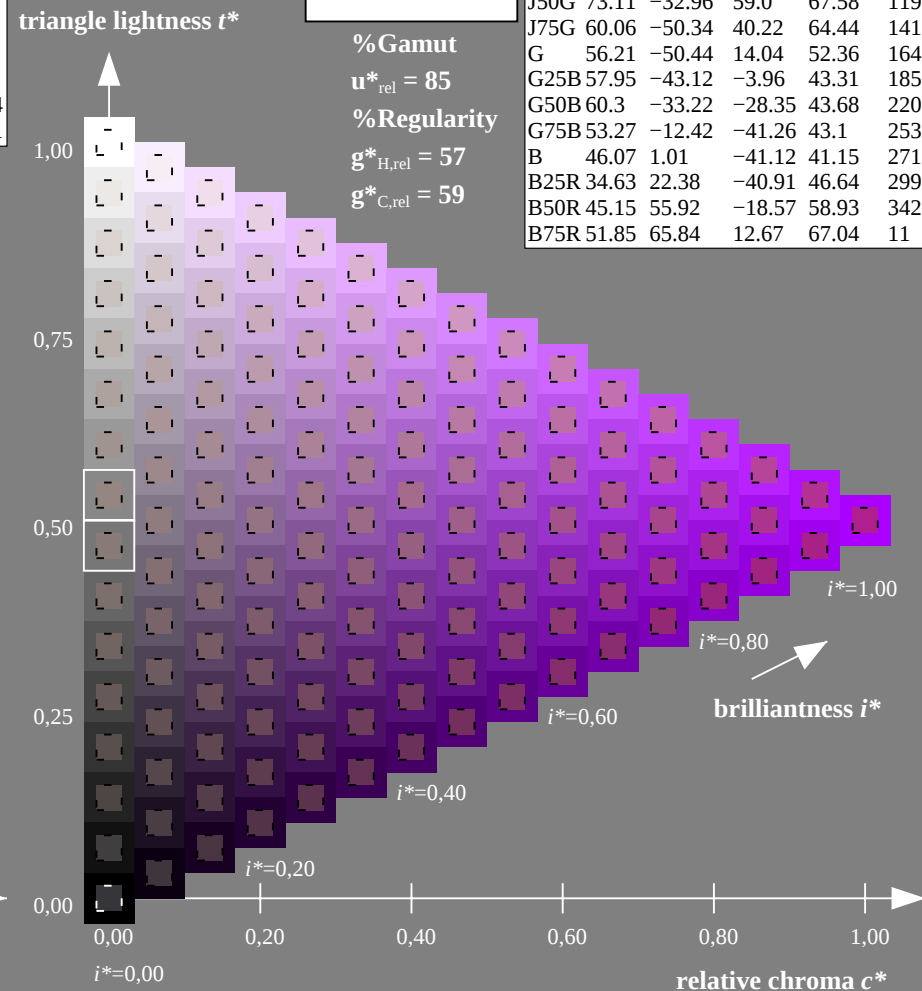
$$u_{rel}^* = 85$$

%Regularity

$$g^*_{H_{rel}} = 57$$
$$g^*_{C_{rel}} = 59$$

ORS18; adapted (a) CIELAB data

	$L^* = L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	411



ZE920-7F, 16 step scales for constant CIELAB hue 342/360 = 0.949 (right)

```
input: rgb / cmv0 set(rgb/cmyk)color
```

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 11/360 = 0.03$

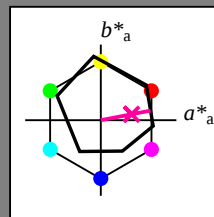
lab^*tch and lab^*nch

D65: hue B75R

LCH*Ma: 52 67 11

olv*Ma: 1.0 0.0 0.62

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 11/360 = 0.03$

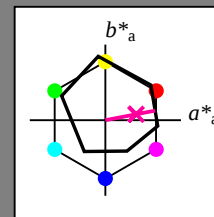
lab^*tch and lab^*nch

D65: hue B75R

LCH*Ma: 52 67 11

olv*Ma: 1.0 0.0 0.62

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

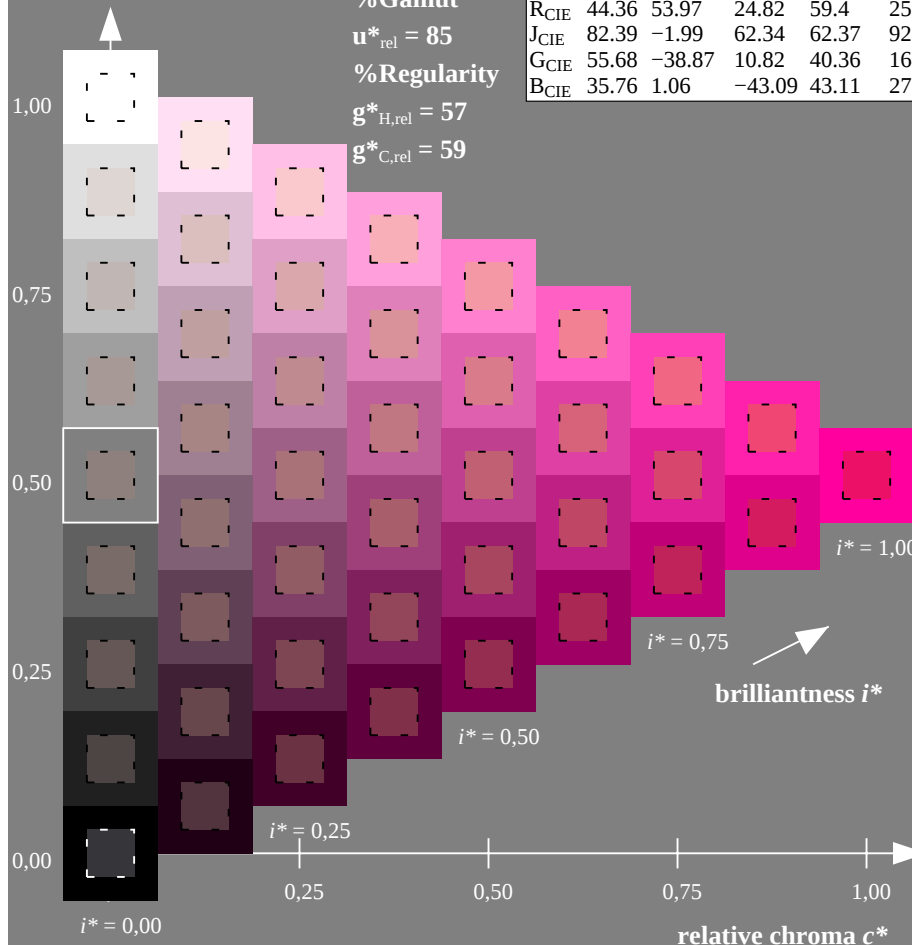
%Gamut

$u^*_{rel} = 85$

%Regularity

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

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



ZE920-7F, 9 step scales for constant CIELAB hue 11/360 = 0.03 (left)

Page 16/96

ZE920-7F, 16 step scales for constant CIELAB hue 11/360 = 0.03 (right)

BAM-test chart ZE92; Colorimetric systems, Page 16/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

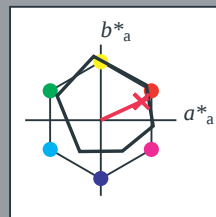
for hue $h^* = lab^*h = 25/360 = 0.069$

*lab*tch* and *lab*nch*

D65: hue R

LCH*Ma: 52 69 25

olv*Ma: 1.0 0.0 0.32



triangle lightness t^*

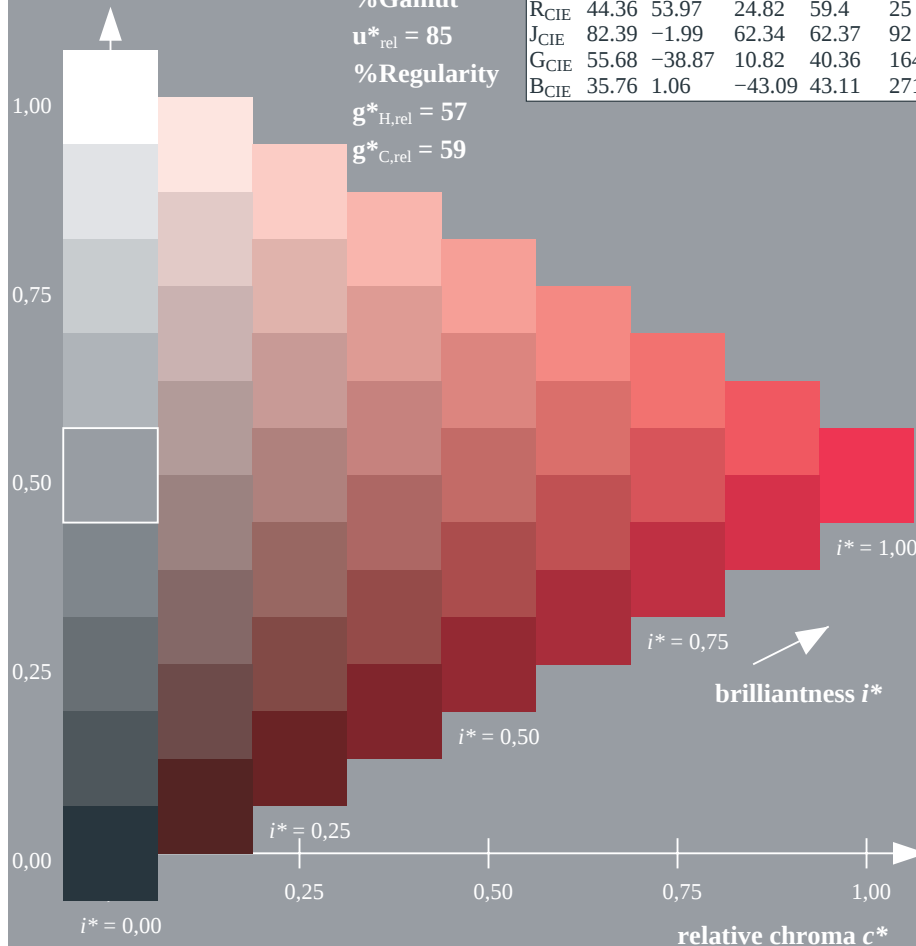
%Gamut

$$\mathbf{u}_{\text{rel}}^* = 85$$

%Regularity

$$\mathbf{g}_{\text{H rel}}^* = 57$$

g*_{C,rel} = 59



ZE920-7F, 9 step scales for constant CIELAB hue 25/360 = 0.069 (left)

BAM-test chart ZE92: Colorimetric systems. Page 17/96

D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

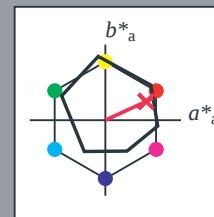
```
for hue  $h^* = lab^*h = 25/360 = 0.069$ 
```

*lab*tch* and *lab*nch*

D65: hue R

LCH*Ma: 52 69 25

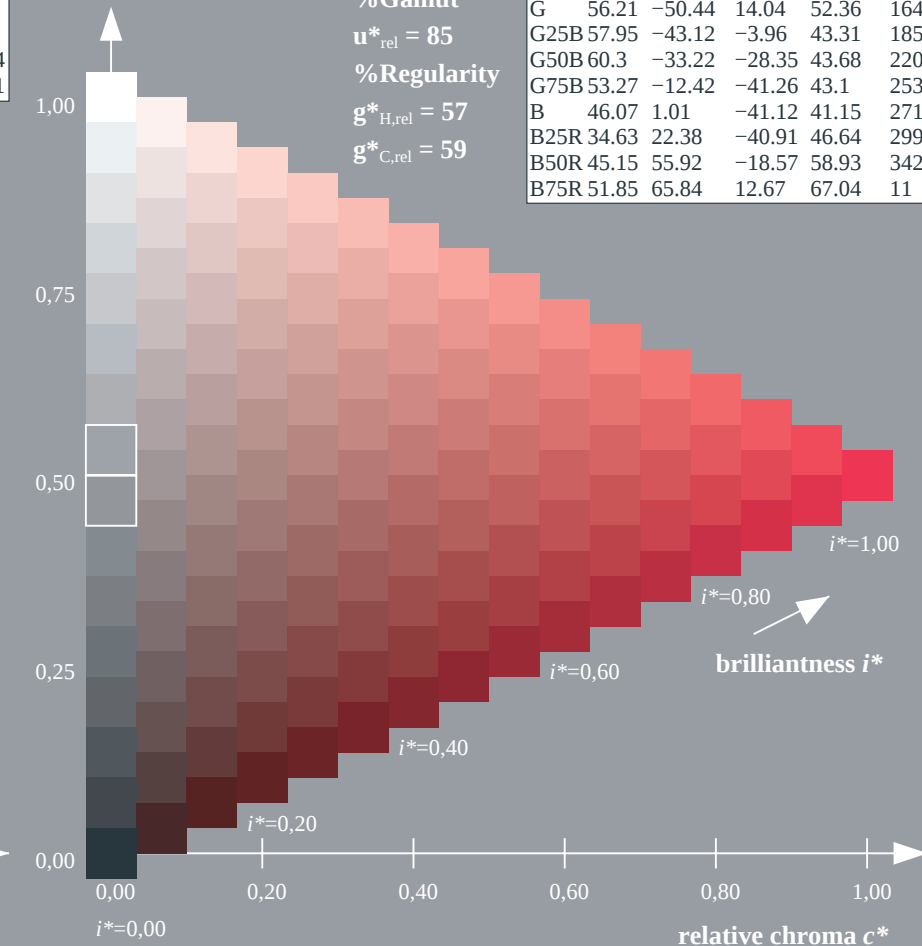
olv*Ma: 1.0 0.0 0.32

triangle lightness t^*

%Gamut

$$\mathbf{u}_{\text{rel}}^* = 85$$

%Regularity

$$g^*_{Hrel} = 57$$
$$g^*_{C_{rel}} = 59$$


ZE920-7F, 16 step scales for constant CIELAB hue 25/360 = 0.069 (right)

```
input: rgb / cmv0 set(rgb/cmyk)color
```

output: $\rightarrow LAB^* \rightarrow cmyn5^* setcmykcolo$

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 41/360 = 0.113$

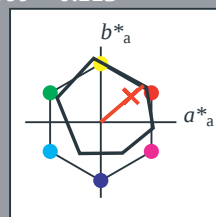
lab^*tch and lab^*nch

D65: hue R25J

LCH*Ma: 54 74 41

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 41/360 = 0.113$

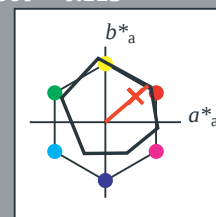
lab^*tch and lab^*nch

D65: hue R25J

LCH*Ma: 54 74 41

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

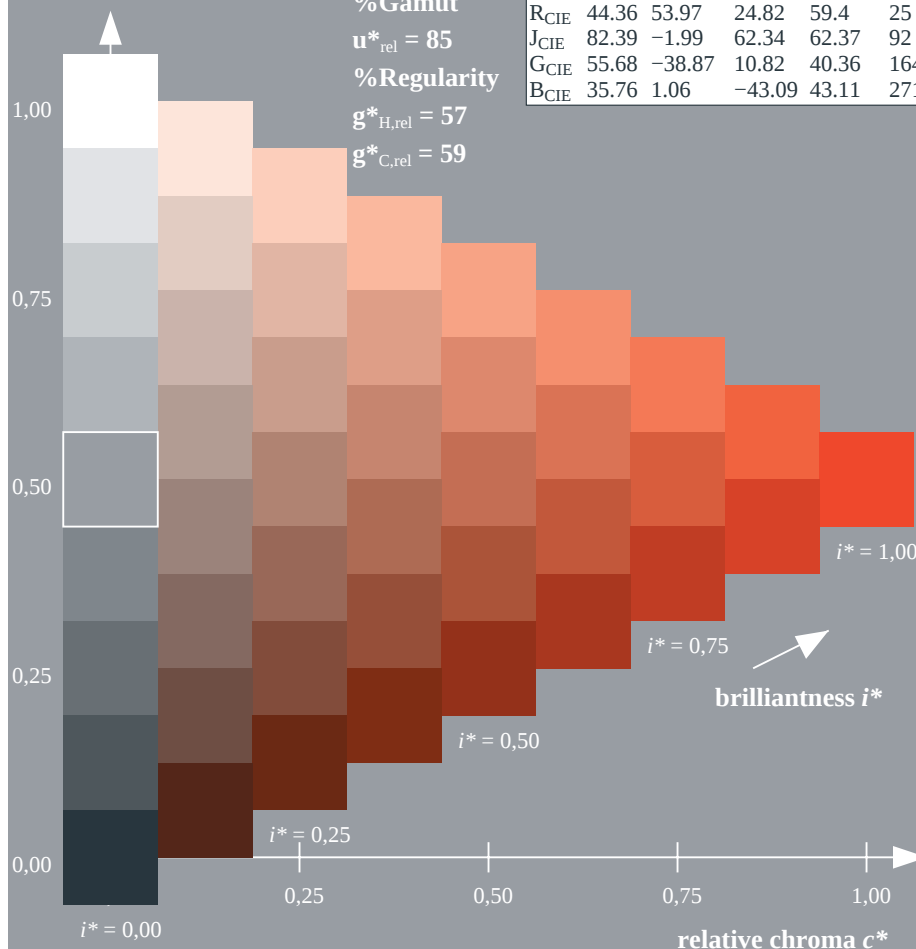
%Gamut

$u^*_{rel} = 85$

%Regularity

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

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



ZE920-7F, 9 step scales for constant CIELAB hue 41/360 = 0.113 (left)

Page 18/96

ZE920-7F, 16 step scales for constant CIELAB hue 41/360 = 0.113 (right)

BAM-test chart ZE92; Colorimetric systems, Page 18/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color

output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 59/360 = 0.164$

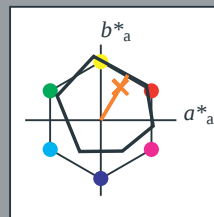
lab^*tch and lab^*nch

D65: hue R50J

LCH*Ma: 65 70 59

olv*Ma: 1.0 0.35 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 59/360 = 0.164$

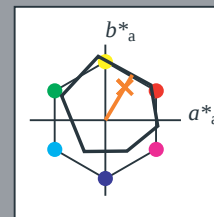
lab^*tch and lab^*nch

D65: hue R50J

LCH*Ma: 65 70 59

olv*Ma: 1.0 0.35 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

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$u^*_{rel} = 85$

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 77/360 = 0.215$

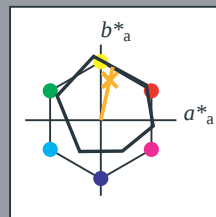
lab^*tch and lab^*nch

D65: hue R75J

LCH*Ma: 77 72 77

olv*Ma: 1.0 0.63 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 77/360 = 0.215$

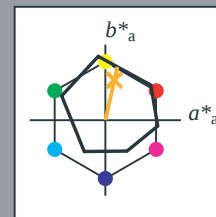
lab^*tch and lab^*nch

D65: hue R75J

LCH*Ma: 77 72 77

olv*Ma: 1.0 0.63 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

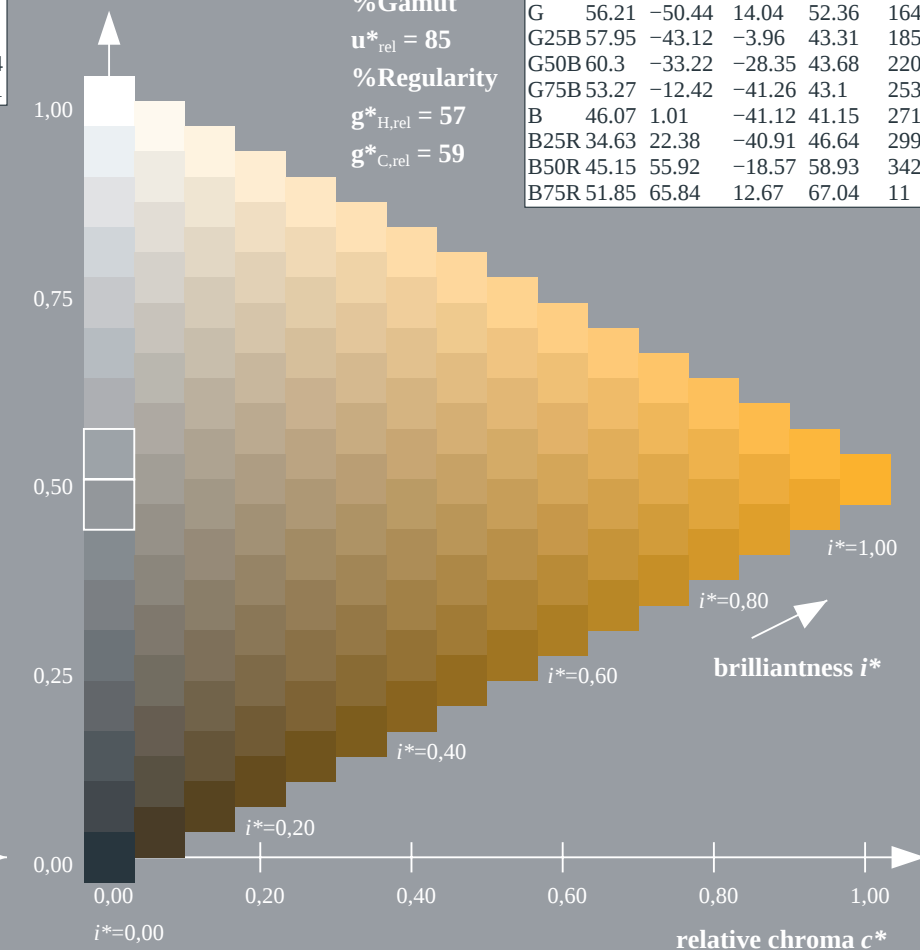
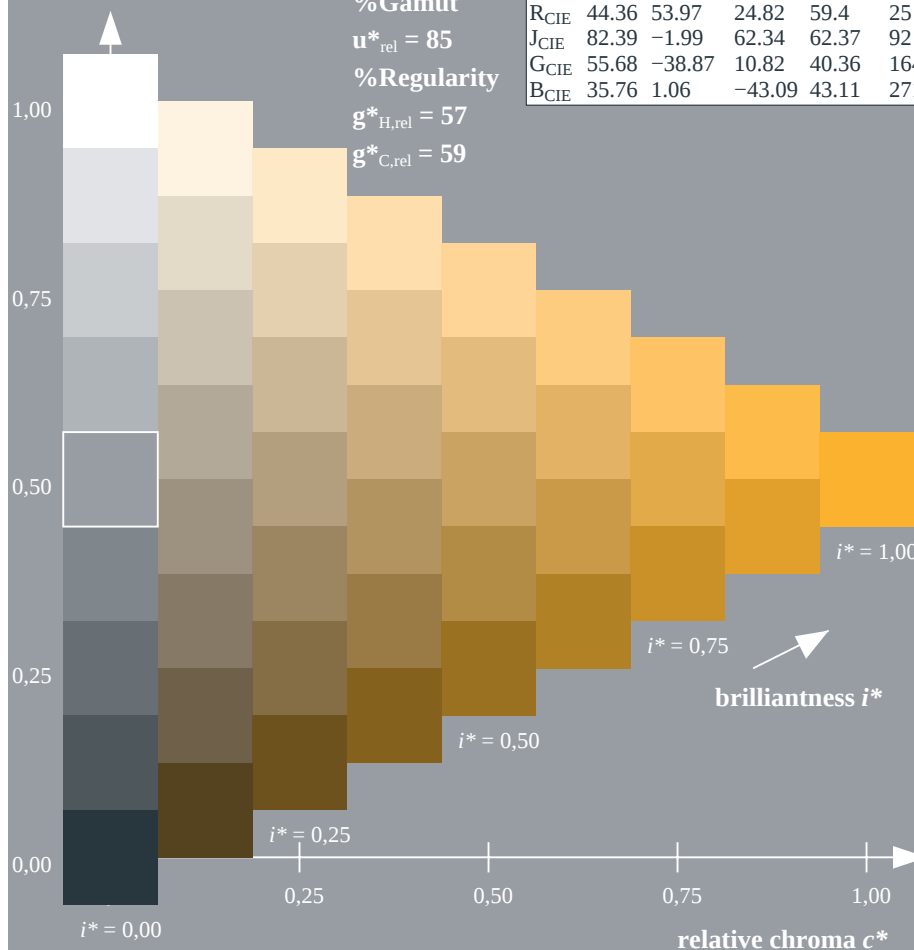
%Gamut

$u^*_{rel} = 85$

%Regularity

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

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



ZE920-7F, 9 step scales for constant CIELAB hue 77/360 = 0.215 (left)

Page 20/96

ZE920-7F, 16 step scales for constant CIELAB hue 77/360 = 0.215 (right)

BAM-test chart ZE92; Colorimetric systems, Page 20/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color

output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

Input: Colorimetric Offset Reflective System ORS18

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

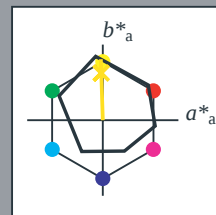
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 87 81 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

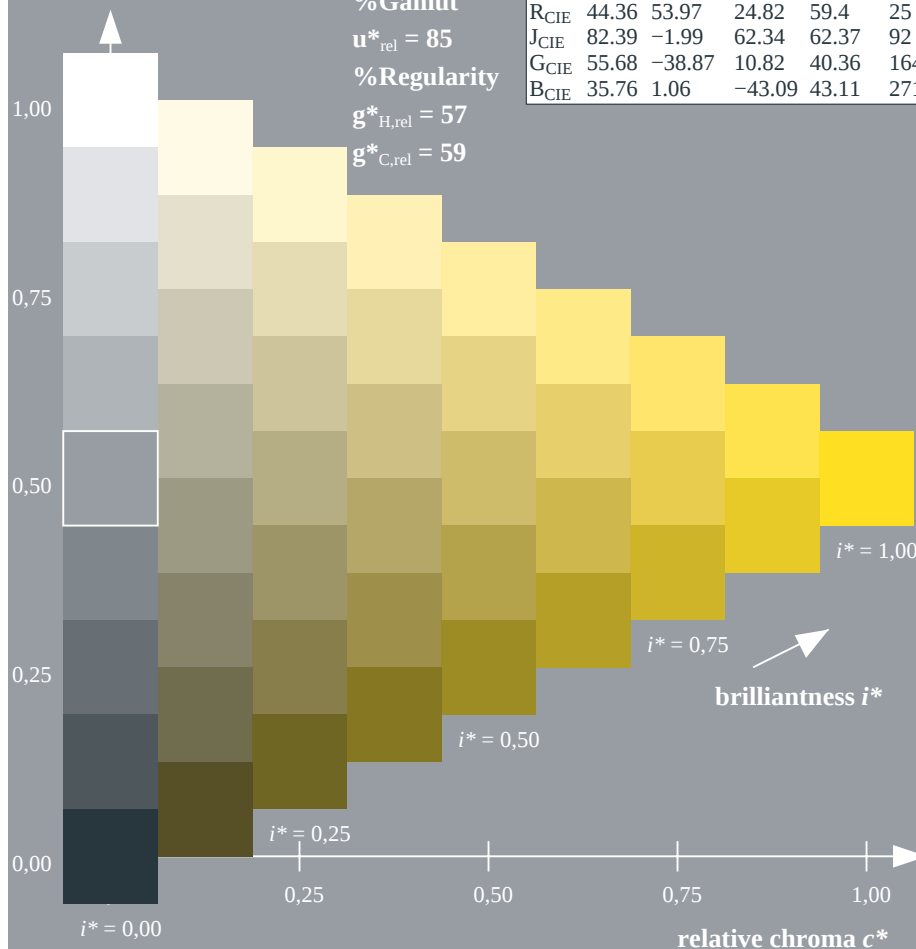
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 92/360 = 0.255 (left)

Page 21/96

ZE920-7F, 16 step scales for constant CIELAB hue 92/360 = 0.255 (right)

BAM-test chart ZE92; Colorimetric systems, Page 21/96

D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

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

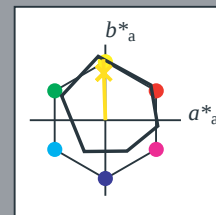
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 87 81 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

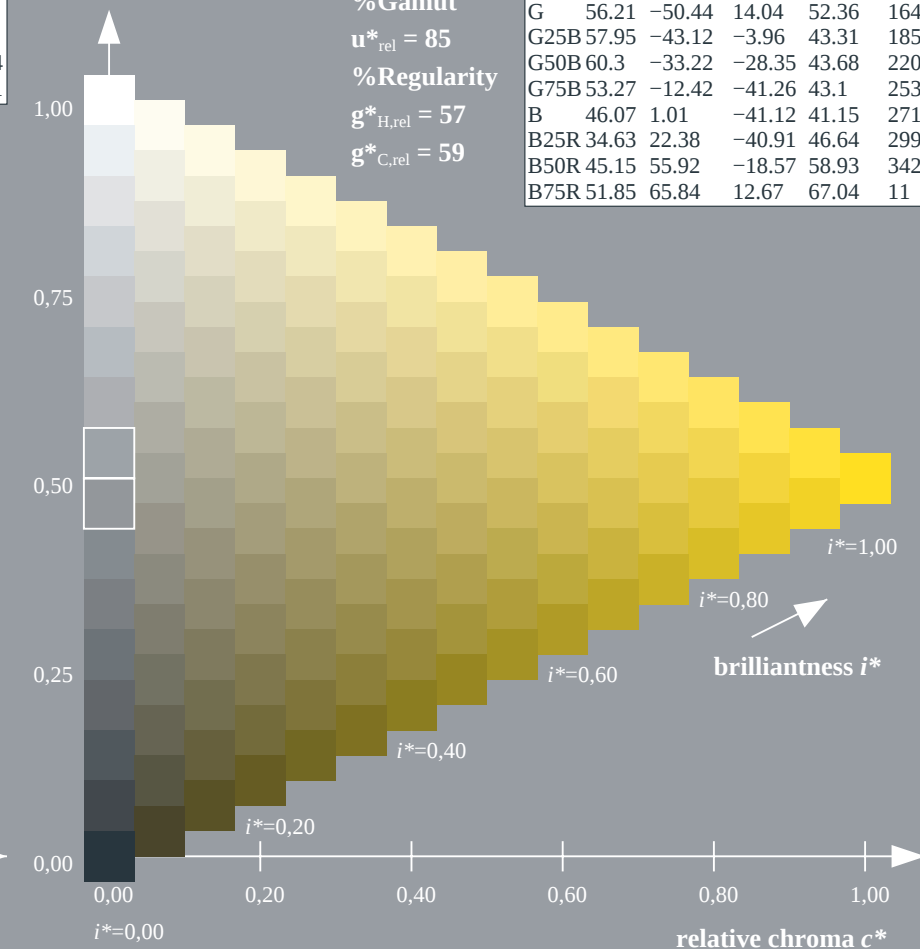
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



input: $rgb / cmY0 set(rgb/cmyk)color$

output: $\rightarrow LAB^* \rightarrow cmYn5^* setcmykcolo$

Input: Colorimetric Offset Reflective System ORS18

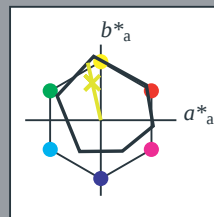
for hue $h^* = lab^*h = 103/360 = 0.286$

lab*tch and lab*nch

D65: hue J25G

LCH*Ma: 85 78 103

olv*Ma: 0.84 1.0 0.0



triangle lightness t^*

%Gamut

$$\mathbf{u}_{rel}^* = 85$$

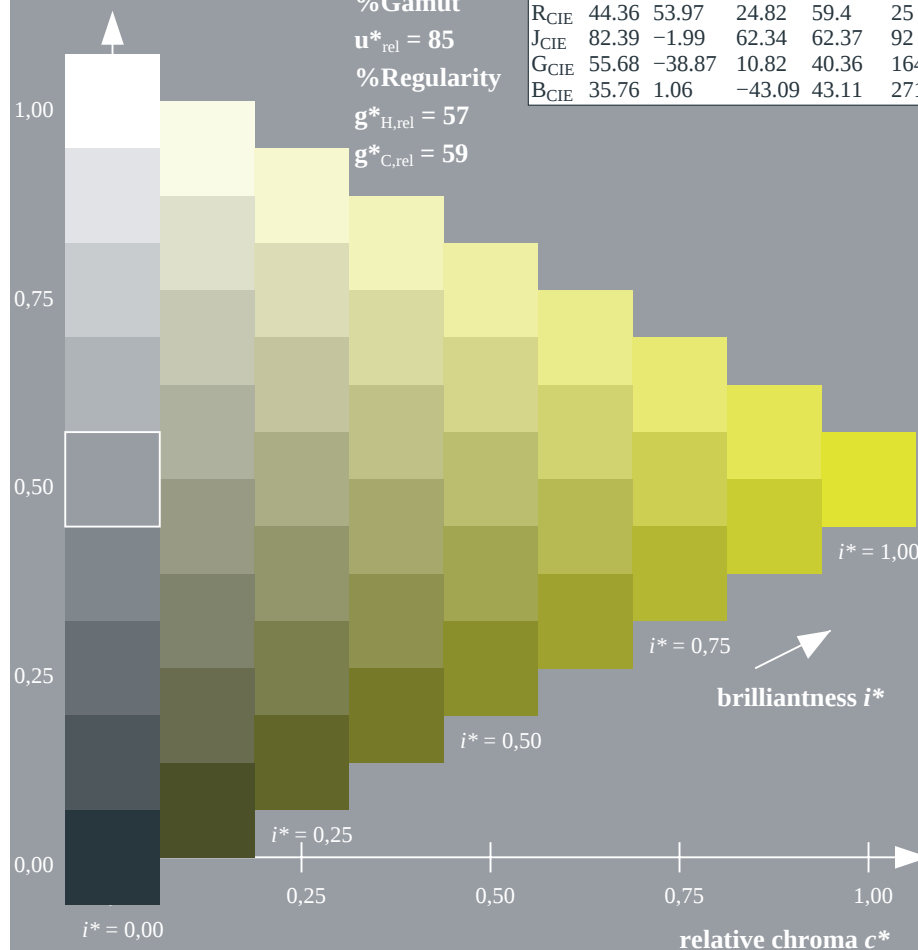
%Regularity

$$g^*_{H_{rel}} = 57$$
 $\mathbf{g^*_{C_{rel}} = 59}$

100

ORS18; adapted (a) CIELAB data

	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 103/360 = 0.286 (left)

BAM-test chart ZE92: Colorimetric systems. Page 22/96

D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

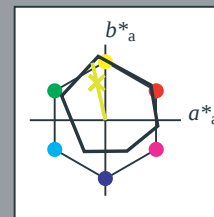
```
for hue  $h^* = lab^*h = 103/360 = 0.286$ 
```

lab*tch and lab*nch

D65: hue J25G

LCH*Ma: 85 78 103

olv*Ma: 0.84 1.0 0.0

triangle lightness t^*

%Gamut

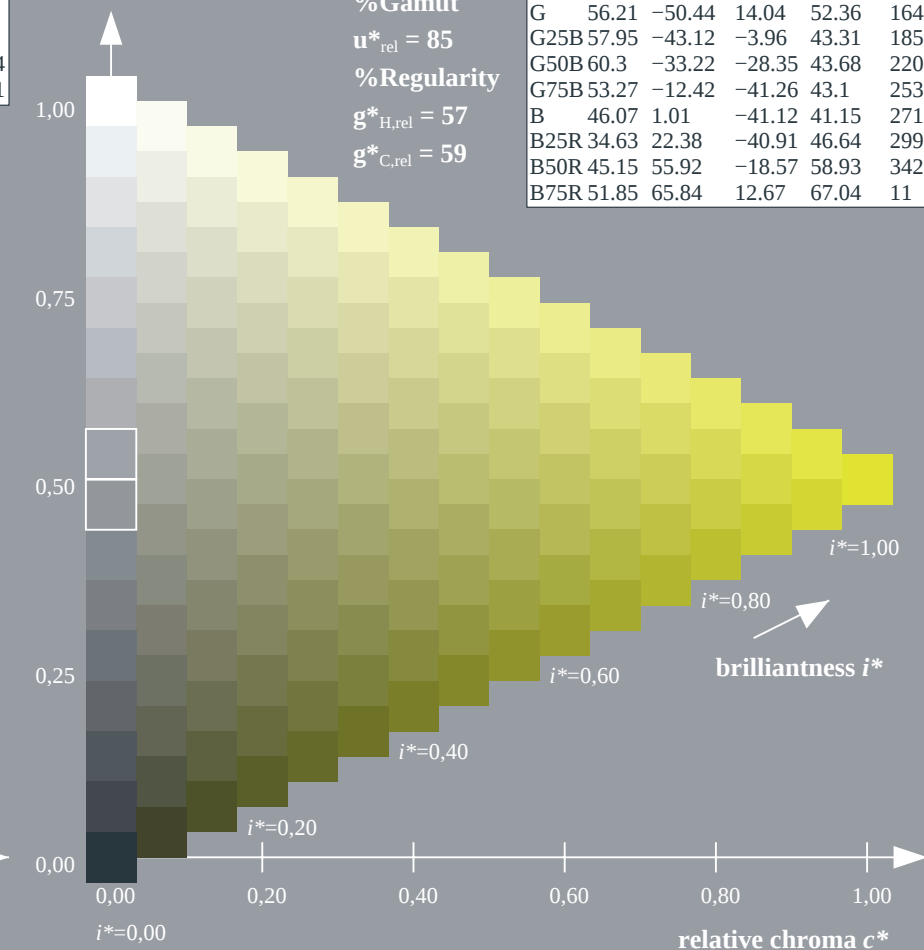
$$\mathbf{u}_{\text{rel}}^* = 85$$

%Regularity

$$g^*_{H_{rel}} = 57$$
$$g^*_{C_{rel}} = 59$$

ORS18; adapted (a) CIELAB data

	$L^* = L^*_{\text{a}}$	a^*_{a}	b^*_{a}	$C^*_{\text{ab,a}}$	$h^*_{\text{ab,a}}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	411

ZE920-7F, 16 step scales for constant CIELAB hue $103/360 = 0.286$ (right)

```
input: rrgb / cmv0 set(rrgb/cmyk)color
```

output: $\rightarrow LAB^* \rightarrow cmyn5^* setcmykcolo$

Input: Colorimetric Offset Reflective System ORS18

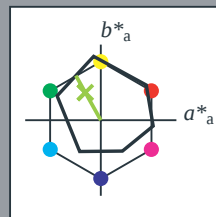
for hue $h^* = lab^*h = 119/360 = 0.331$

*lab*tch* and *lab*nch*

D65: hue J50G

LCH*Ma: 73 68 119

olv*Ma: 0.51 1.0 0.0



%Gamut

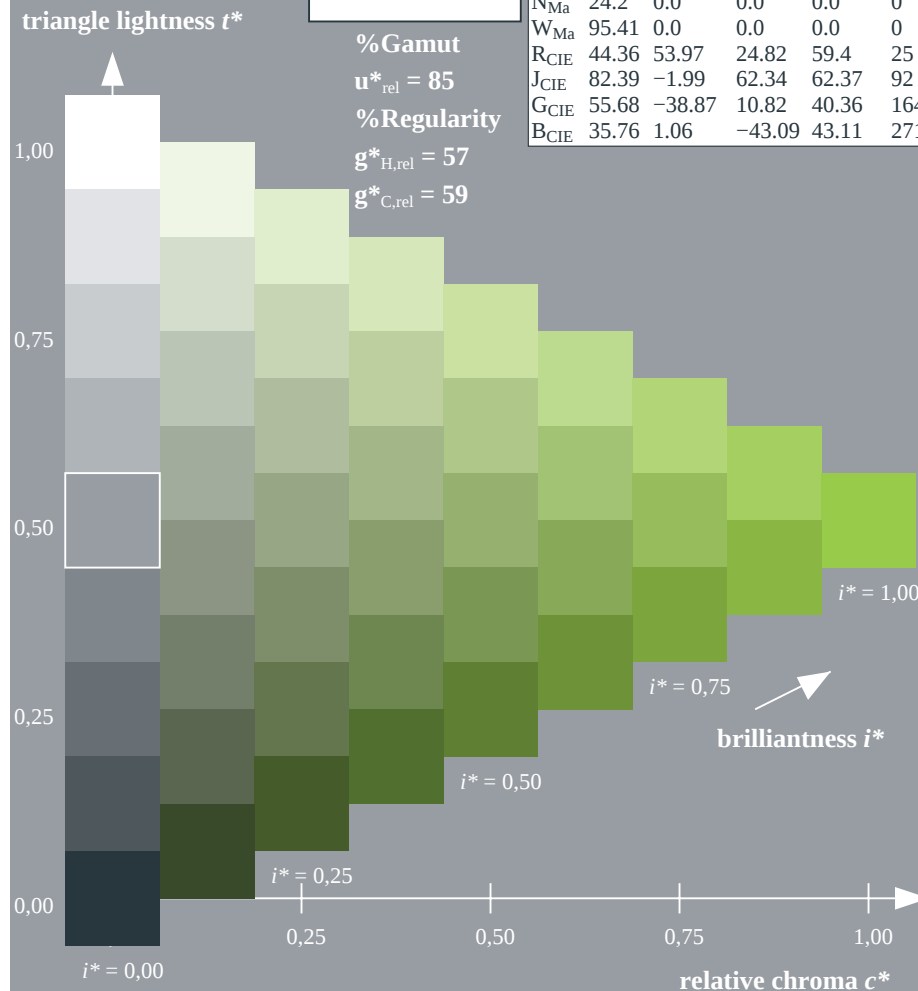
$$\mathbf{u}_{\text{rel}}^* = 85$$

%Regularity

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

ORS18; adapted (a) CIELAB data

	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	51.74	60.16	46.48	76.02	38
Y_{Ma}	90.77	-9.44	84.41	84.94	96
L_{Ma}	54.46	-57.8	32.16	66.15	151
C_{Ma}	61.56	-27.91	-41.41	49.95	236
V_{Ma}	31.3	28.61	-40.85	49.88	305
M_{Ma}	51.91	69.26	-7.69	69.68	354
N_{Ma}	24.2	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	44.36	53.97	24.82	59.4	25
J_{CIE}	82.39	-1.99	62.34	62.37	92
G_{CIE}	55.68	-38.87	10.82	40.36	164
B_{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue $119/360 = 0.331$ (left)

BAM-test chart ZE92: Colorimetric systems, Page 23/96

D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

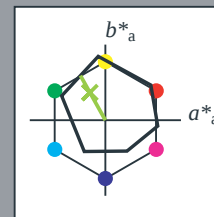
for hue $h^* = lab^*h = 119/360 = 0.331$

*lab*tch* and *lab*nch*

D65: hue J50G

LCH*Ma: 73 68 119

olv*Ma: 0.51 1.0 0.0



%Gamut

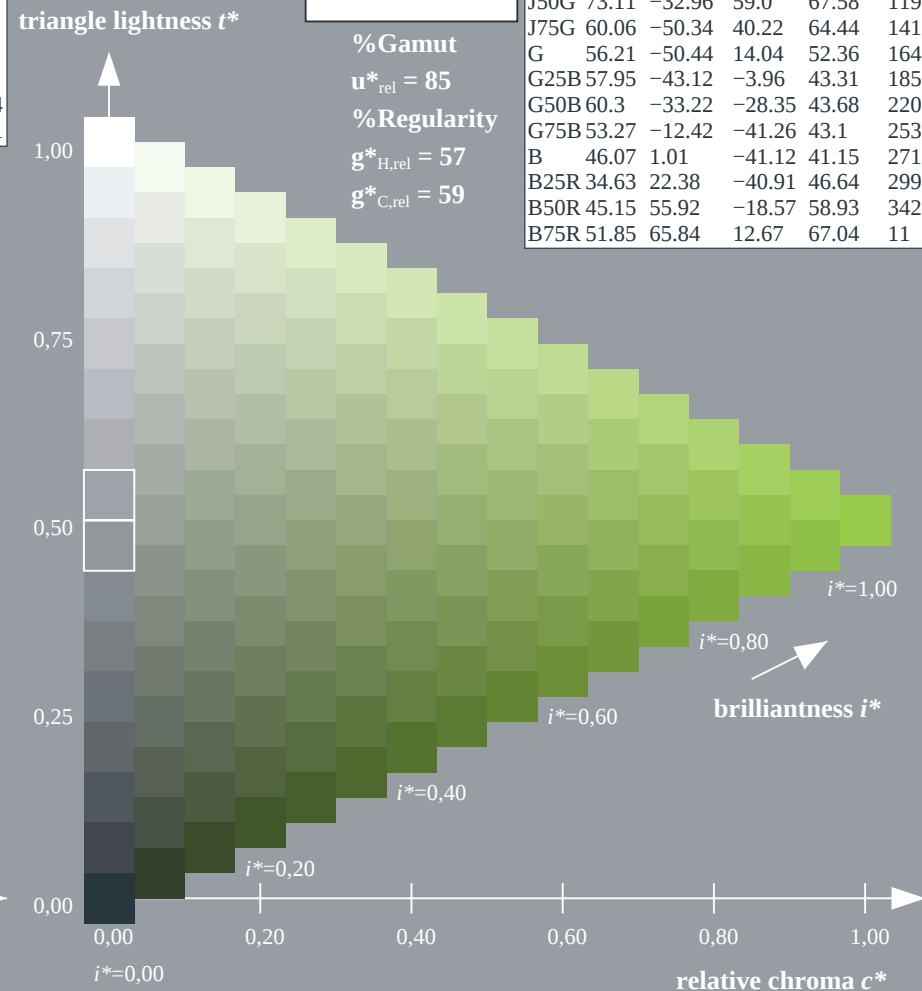
$$\mathbf{u}_{\text{rel}}^* = 85$$

%Regularity

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

ORS18; adapted (a) CIELAB data

	$L^* = L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	411



ZE920-7F, 16 step scales for constant CIELAB hue 119/360 = 0.331 (right)

```
input: rab / cmv0 set(rab/cmvk)color
```

output: ->LAB*->cmyn5* setcmykcolo

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 141/360 = 0.393$

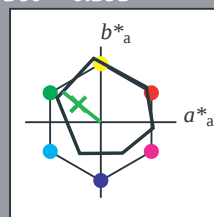
lab^*tch and lab^*nch

D65: hue J75G

LCH*Ma: 60 64 141

olv*Ma: 0.15 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 141/360 = 0.393$

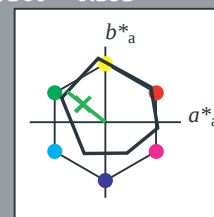
lab^*tch and lab^*nch

D65: hue J75G

LCH*Ma: 60 64 141

olv*Ma: 0.15 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

$i^*=0,80$

$i^*=0,60$

$i^*=0,40$

$i^*=0,20$

brilliantness i^*

relative chroma c^*

brilliantness i^*

relative chroma c^*

ZE920-7F, 9 step scales for constant CIELAB hue 141/360 = 0.393 (left)

Page 24/96

ZE920-7F, 16 step scales for constant CIELAB hue 141/360 = 0.393 (right)

BAM-test chart ZE92; Colorimetric systems, Page 24/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color

output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

Input: Colorimetric Offset Reflective System ORS18

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

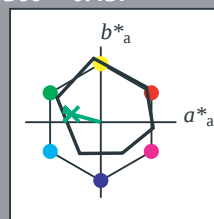
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 52 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

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

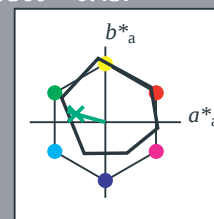
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 52 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

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$u^*_{rel} = 85$

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

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

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$u^*_{rel} = 85$

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

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

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$u^*_{rel} = 85$

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

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

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

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

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

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

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

%Gamut

$u^*_{rel} = 85$

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

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

%Gamut

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%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

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%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

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$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

%Gamut</

Input: Colorimetric Offset Reflective System ORS18

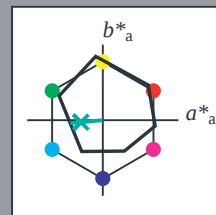
for hue $h^* = lab^*h = 185/360 = 0.515$

lab*tch and lab*nch

D65: hue G25B

LCH*Ma: 58 43 185

olv*Ma: 0.0 1.0 0.49

triangle lightness t^*

%Gamut

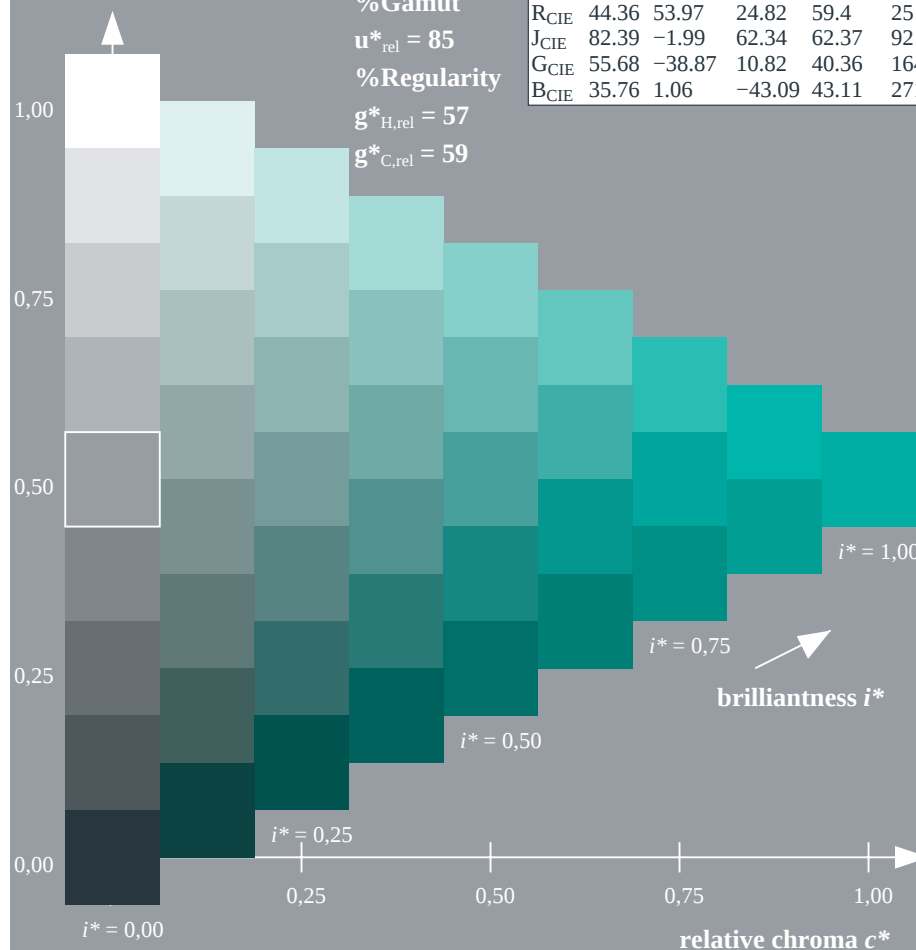
$$\mathbf{u}_{\text{rel}}^* = 85$$

%Regularity

$$\mathbf{g}_{\text{H rel}}^* = 57$$
 $\mathbf{g^*_{C_{rel}} = 59}$

ORS18; adapted (a) CIELAB data

	$L^* = L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 185/360 = 0.515 (left)

Page 26/96

ZE920-7F, 16 step scales for constant CIELAB hue 185/360 = 0.515 (right)

BAM-test chart ZE92; Colorimetric systems, Page 26/96

D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

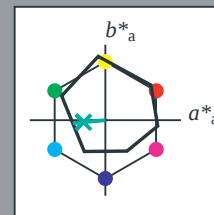
for hue $h^* = lab^*h = 185/360 = 0.515$

lab*tch and lab*nch

D65: hue G25B

LCH*Ma: 58 43 185

olv*Ma: 0.0 1.0 0.49

triangle lightness t^*

%Gamut

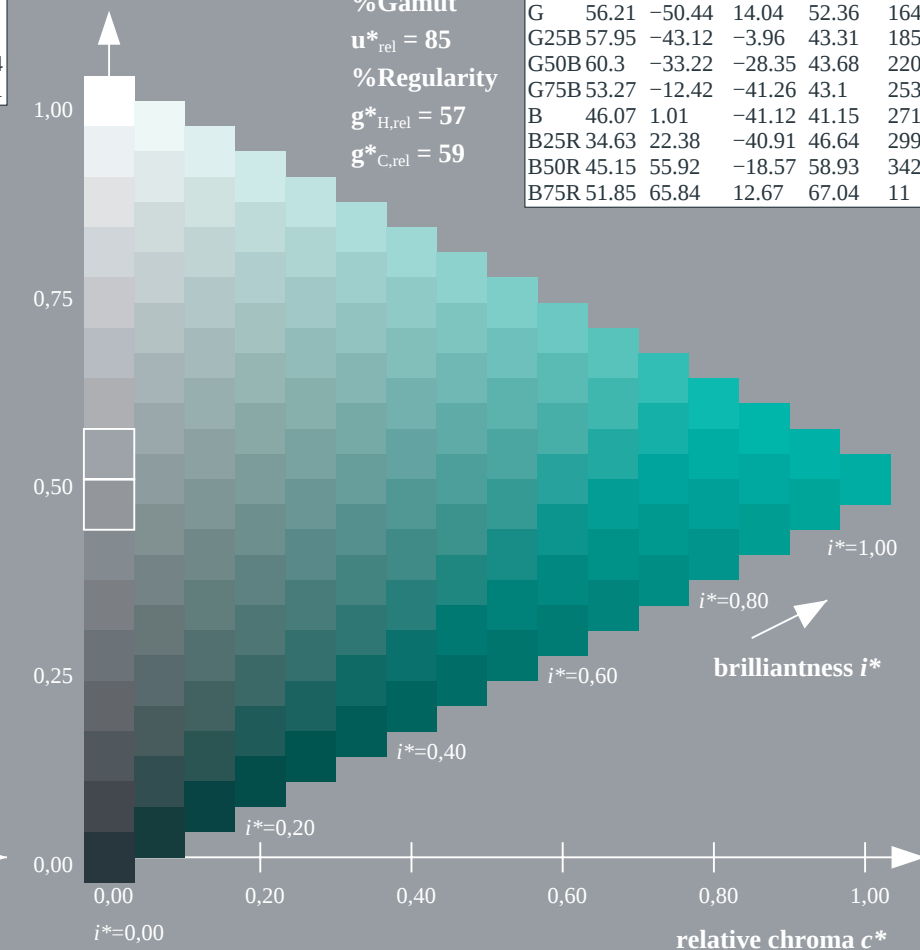
$$\mathbf{u}_{\text{rel}}^* = 85$$

%Regularity

$$g^*_{H_{rel}} = 57$$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	411



input: *rgb / cmy0 set(rgb/cmyk)color*

```
output: ->LAB*->cmyn5* setcmykcolo
```

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 220/360 = 0.612$

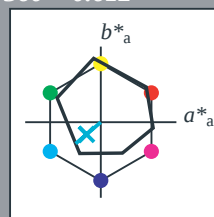
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 60 44 220

olv*Ma: 0.0 1.0 0.82

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

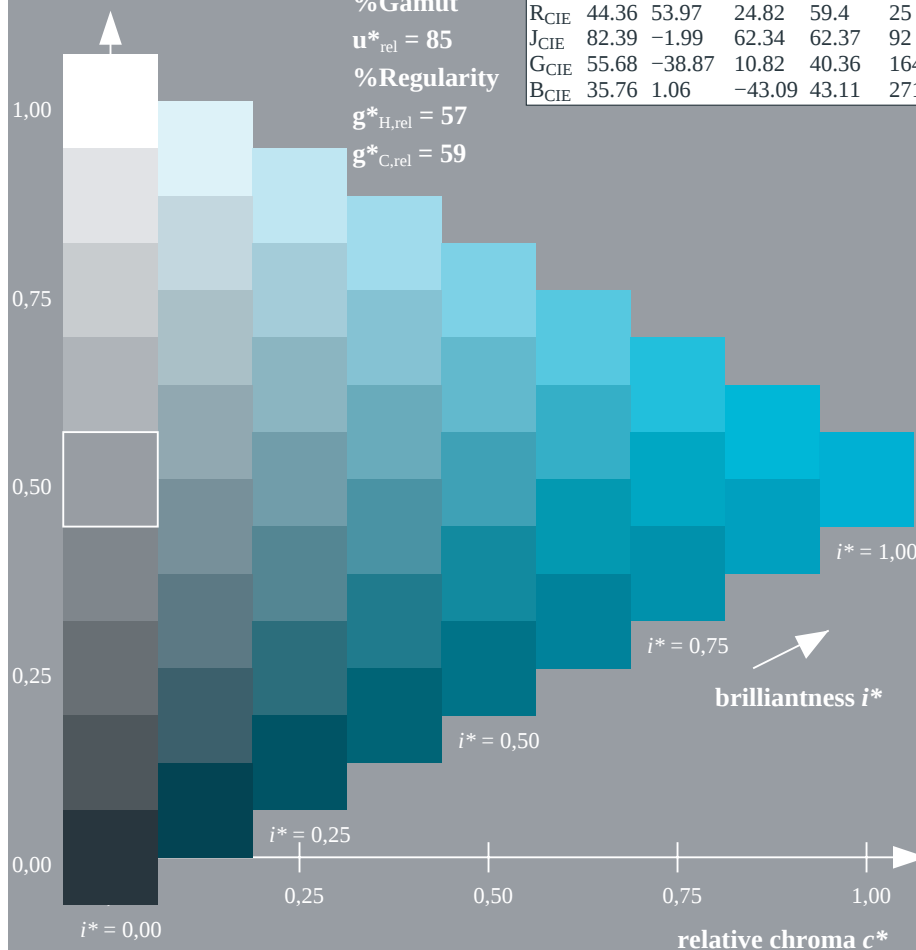
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 220/360 = 0.612 (left)

Page 27/96

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 220/360 = 0.612$

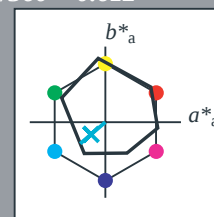
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 60 44 220

olv*Ma: 0.0 1.0 0.82

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

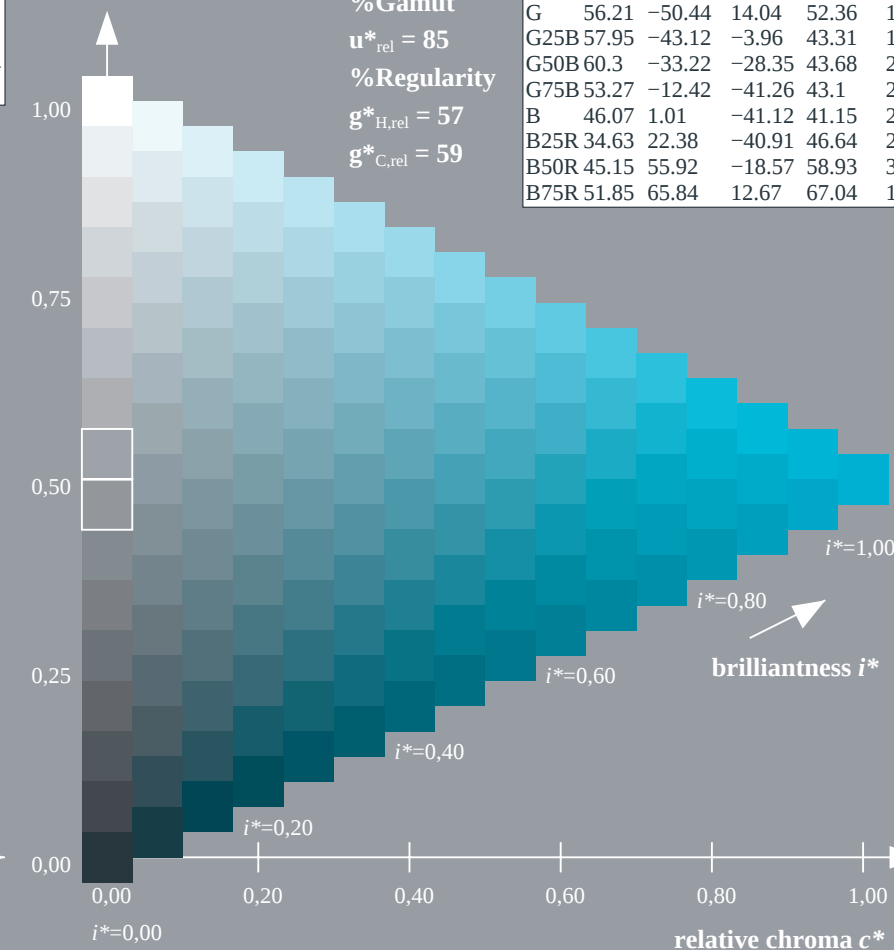
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 16 step scales for constant CIELAB hue 220/360 = 0.612 (right)

Input: Colorimetric Offset Reflective System ORS18

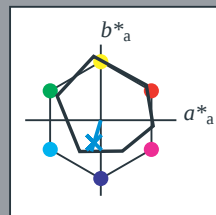
for hue $h^* = lab^*h = 253/360 = 0.703$

*lab*tch* and *lab*nch*

D65: hue G75B

LCH*Ma: 53 43 253

olv*Ma: 0.0 0.73 1.0

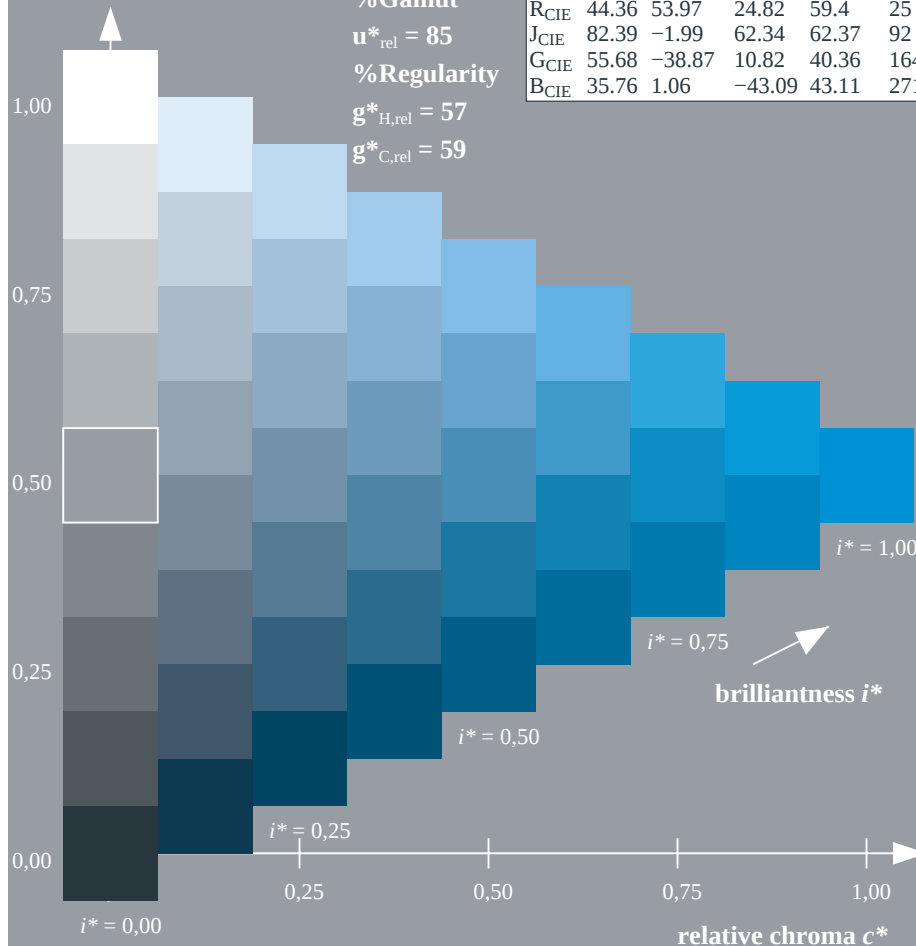


triangle lightness t^*

% Gamut

$$u_{\text{rel}}^* = 85$$

%Regularity

$$g^*_{H_{rel}} = 57$$
 $\mathbf{g^*_{C,rel} = 59}$ 

ZE920-7F, 9 step scales for constant CIELAB hue 253/360 = 0.703 (left)

BAM-test chart ZE92; Colorimetric systems, Page 28/96

D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

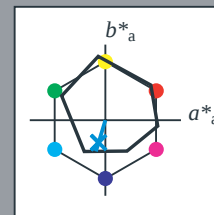
for hue $h^* = lab^*h = 253/360 = 0.703$

lab*tch and lab*nch

D65: hue G75B

LCH*Ma: 53 43 253

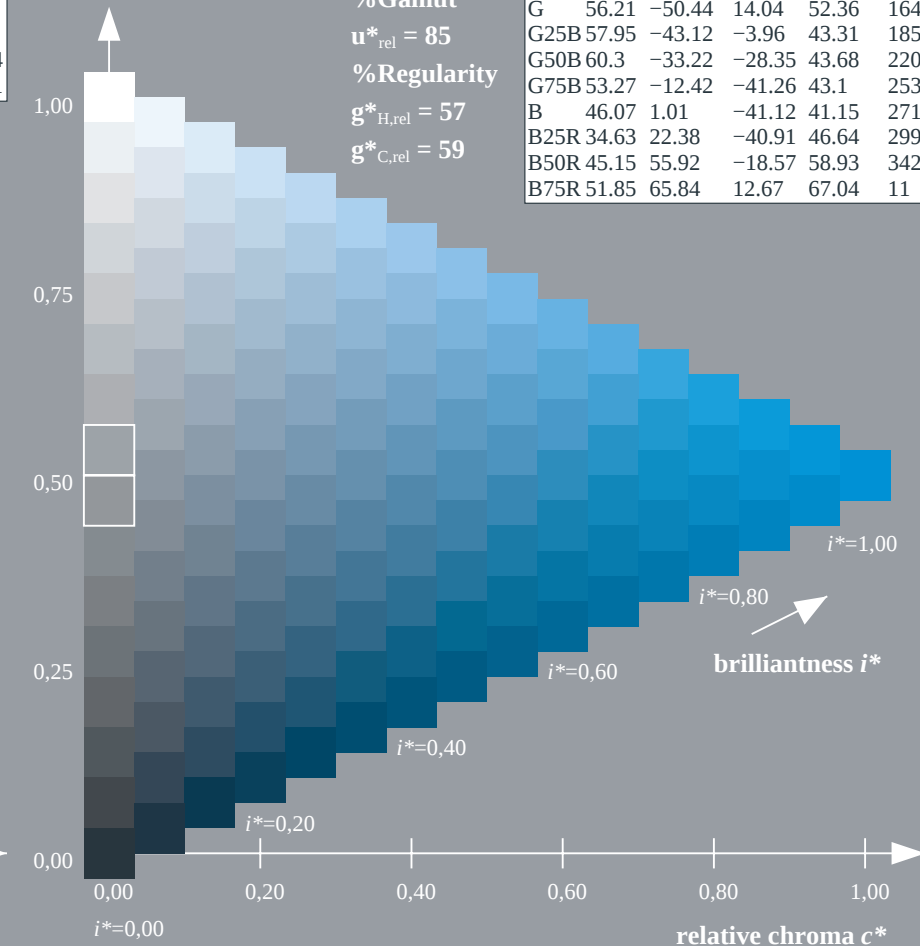
olv*Ma: 0.0 0.73 1.0

triangle lightness t^*

%Gamut

$$\mathbf{u}_{\text{rel}}^* = 85$$

%Regularity

$$g^*_{H_{rel}} = 57$$
$$g^*_{C,rel} = 59$$


ZE920-7F, 16 step scales for constant CIELAB hue $253/360 = 0.703$ (right)

input: *rgb* / *cmv0* *set(rgb/cmyk)color*

output: $->LAB^*->cmyn5^*$ setcmykcolo

Input: Colorimetric Offset Reflective System ORS18

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

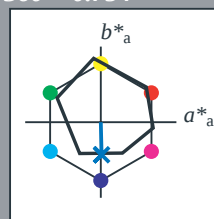
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 46 41 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

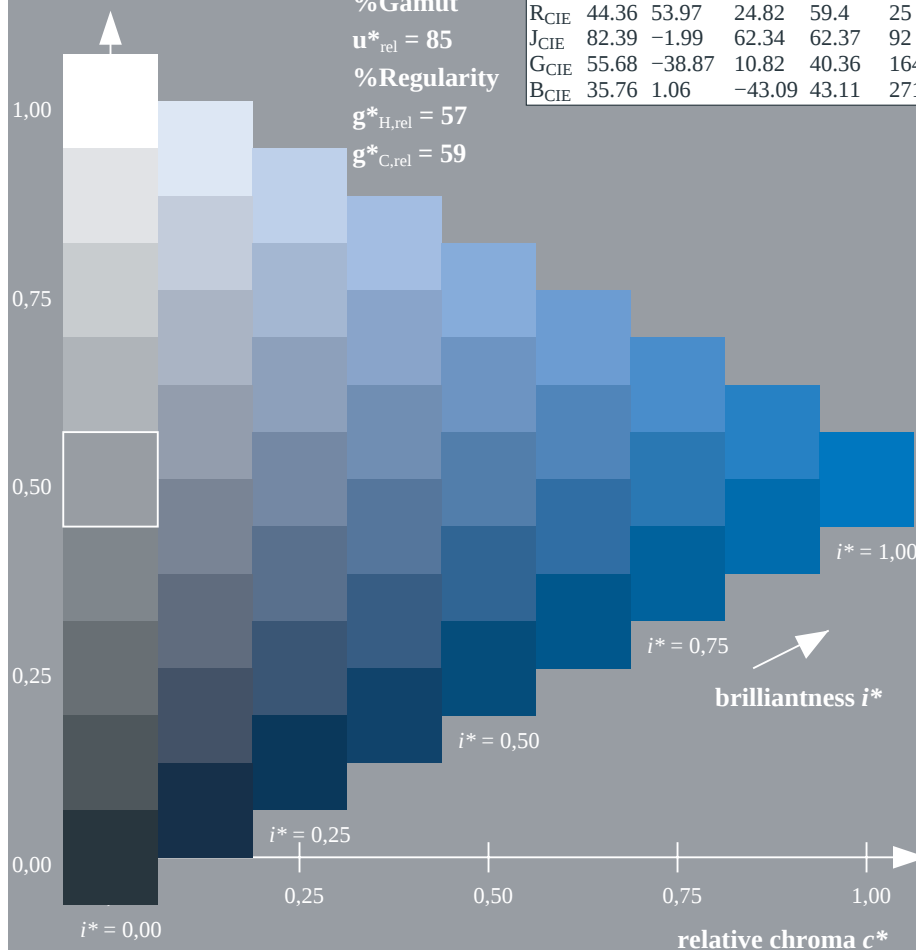
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



Output: Colorimetric Offset Reflective System ORS18

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

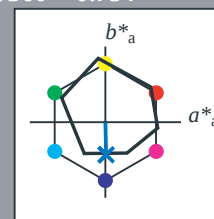
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 46 41 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

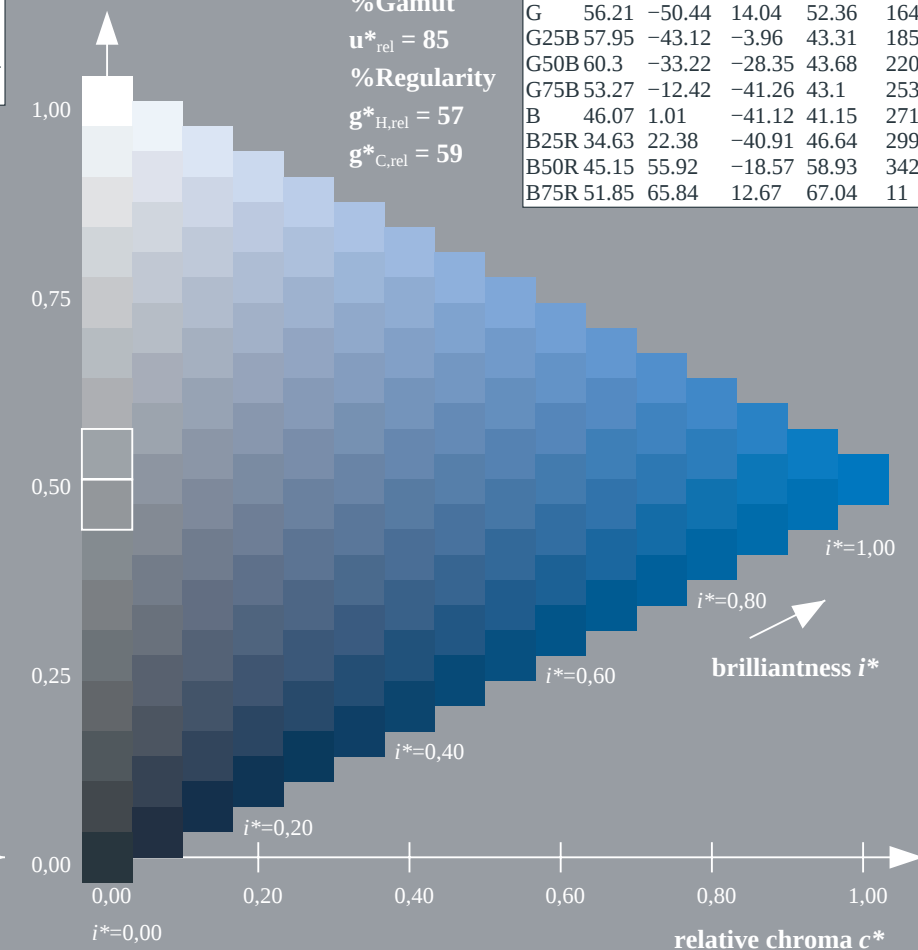
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 9 step scales for constant CIELAB hue 271/360 = 0.754 (left)

Page 29/96

ZE920-7F, 16 step scales for constant CIELAB hue 271/360 = 0.754 (right)

BAM-test chart ZE92; Colorimetric systems, Page 29/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color

output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

See for similar files: <http://www.ps.bam.de/ZE92/>; www.ps.bam.de/ZE92/10L/L92E00FP.PS/.PDF
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB

BAM registration: 20071001-ZE92/10L/L92E00FP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 299/360 = 0.83$

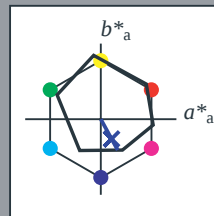
lab^*tch and lab^*nch

D65: hue B25R

LCH*Ma: 35 47 299

olv*Ma: 0.0 0.11 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

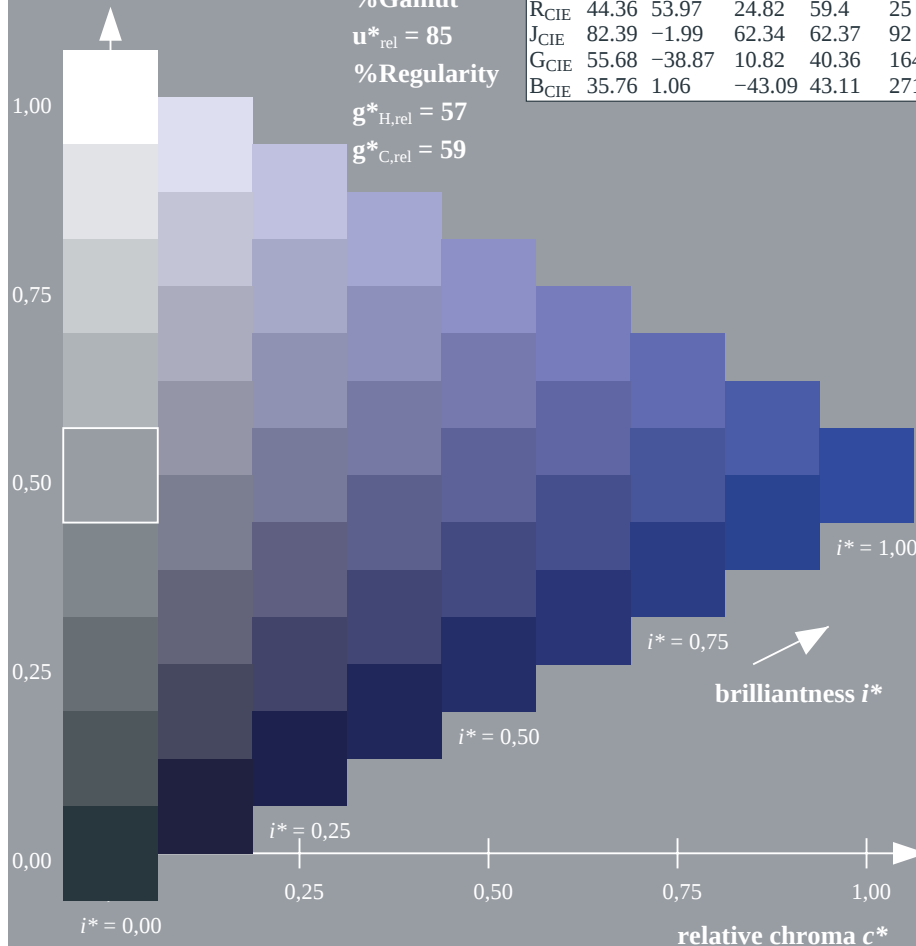
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 299/360 = 0.83$

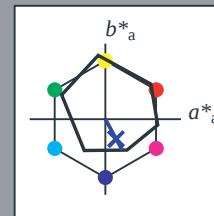
lab^*tch and lab^*nch

D65: hue B25R

LCH*Ma: 35 47 299

olv*Ma: 0.0 0.11 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

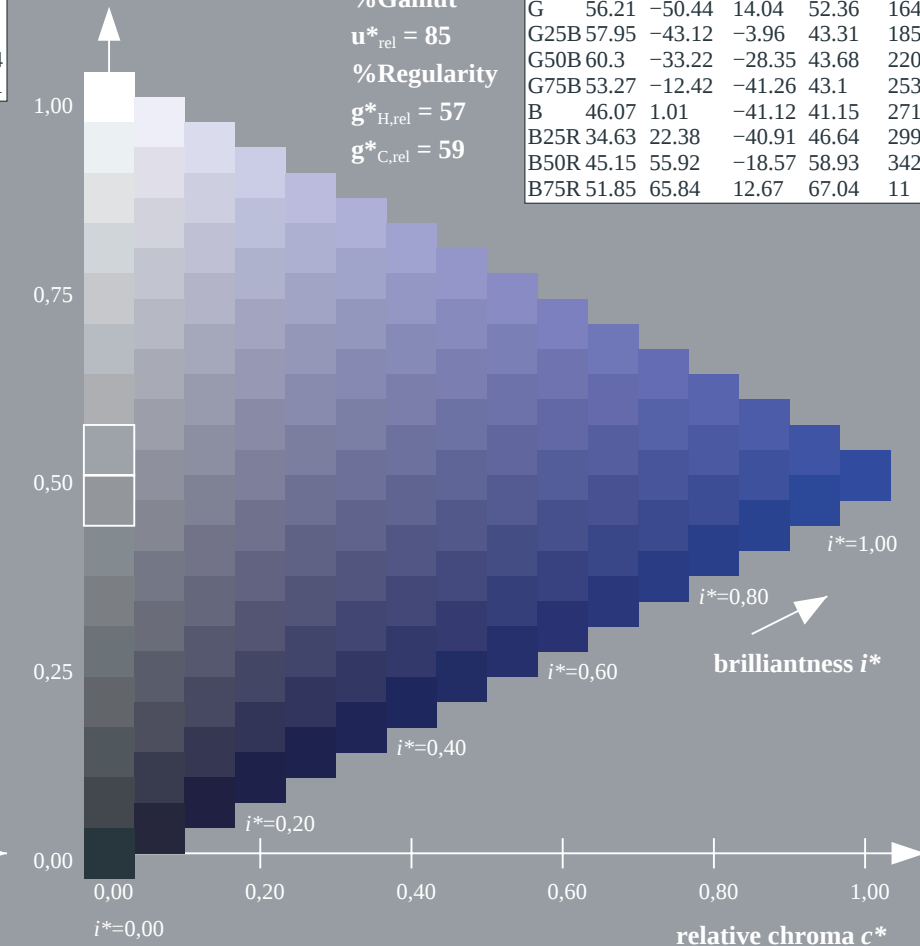
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 9 step scales for constant CIELAB hue 299/360 = 0.83 (left)

Page 30/96

ZE920-7F, 16 step scales for constant CIELAB hue 299/360 = 0.83 (right)

BAM-test chart ZE92; Colorimetric systems, Page 30/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color

output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

Input: Colorimetric Offset Reflective System ORS18

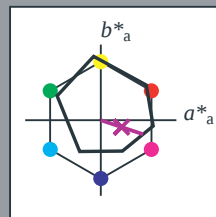
for hue $h^* = lab^*h = 342/360 = 0.949$

lab*tch and lab*nch

D65: hue B50R

LCH*Ma: 45 59 342

olv*Ma: 0.67 0.0 1.0



triangle lightness t^*

%Gamut

$$\mathbf{u}_{\text{rel}}^* = 85$$

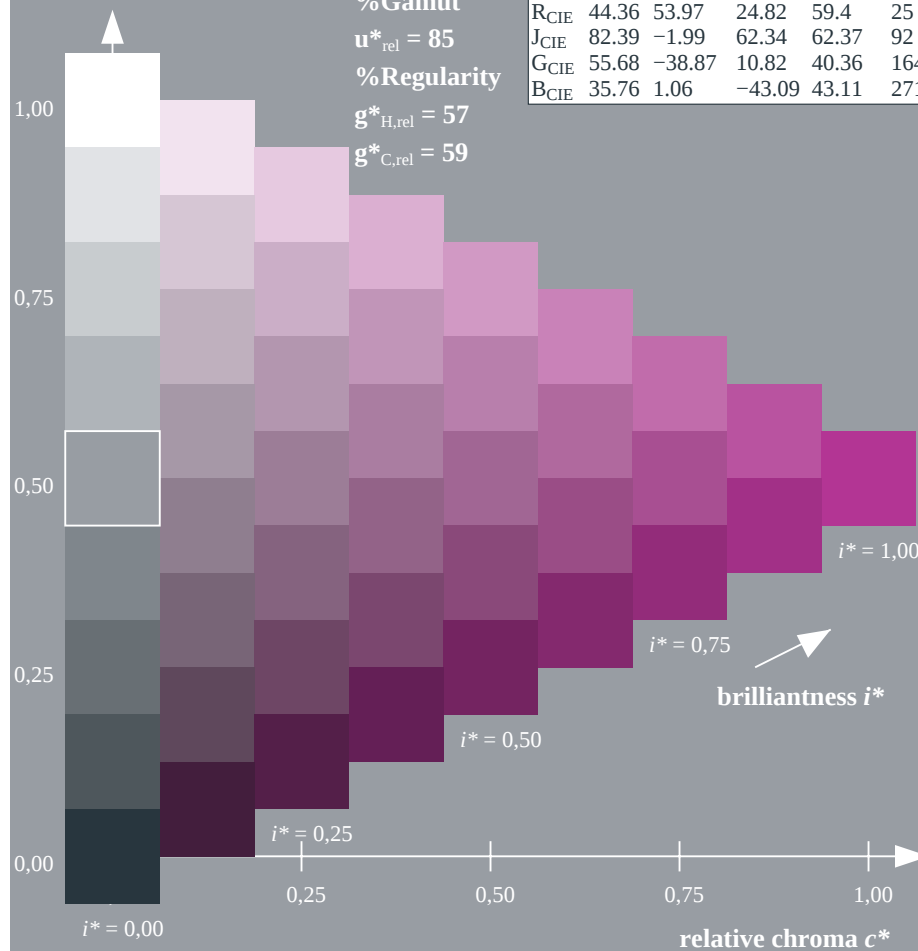
%Regularity

$$\mathbf{g}_{\text{H rel}}^* = 57$$

g*_{C,rel} = 59

ORS18; adapted (a) CIELAB data

	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 342/360 = 0.949 (left)

BAM-test chart ZE92; Colorimetric systems, Page 31/96

D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

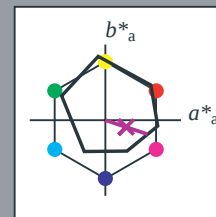
for hue $h^* = lab^*h = 342/360 = 0.949$

lab*tch and lab*nch

D65: hue B50R

LCH*Ma: 45 59 342

olv*Ma: 0.67 0.0 1.0

triangle lightness t^*

%Gamut

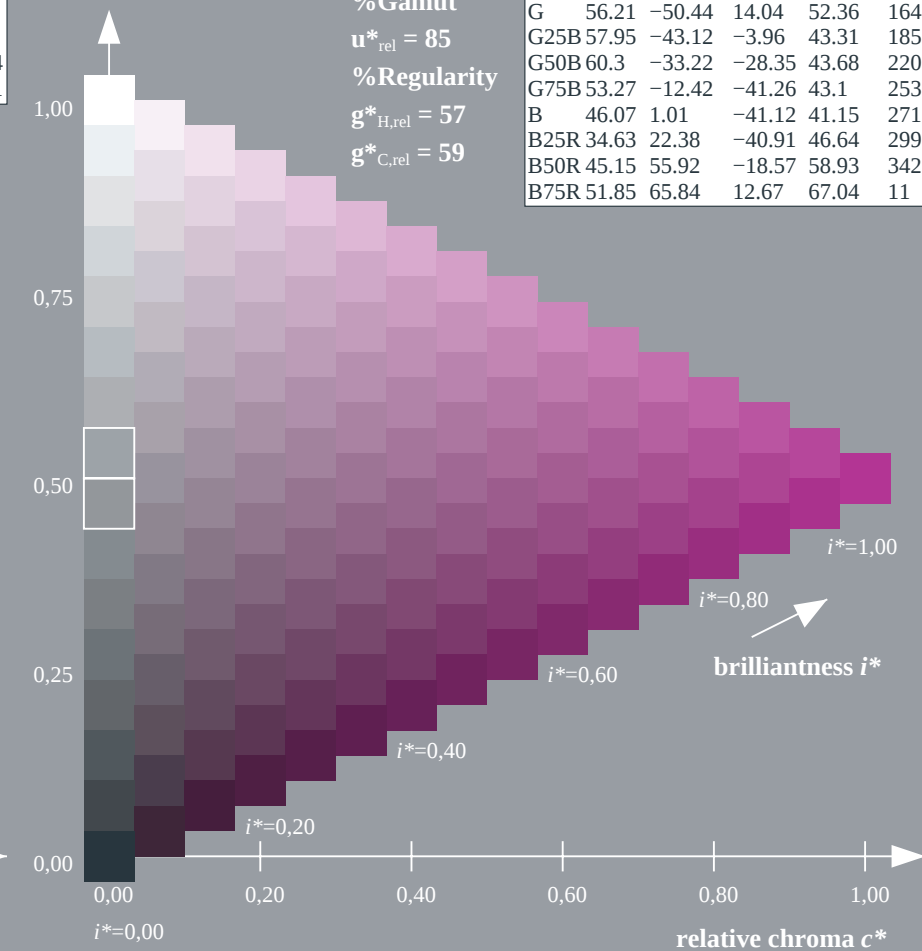
$$\mathbf{u}_{\text{rel}}^* = 85$$

%Regularity

$$g^*_{H_{rel}} = 57$$
$$g^*_{C,rel} = 59$$

ORS18; adapted (a) CIELAB data

	$L^* = L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	411



ZE920-7F, 16 step scales for constant CIELAB hue 342/360 = 0.949 (right)

input: *rgb / cmy0* set(*rgb/cmyk*)color

output: $- \rightarrow LAB^* - \rightarrow cmyn5^* setcmykcolo$

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 11/360 = 0.03$

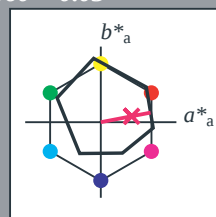
lab^*tch and lab^*nch

D65: hue B75R

LCH*Ma: 52 67 11

olv*Ma: 1.0 0.0 0.62

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 11/360 = 0.03$

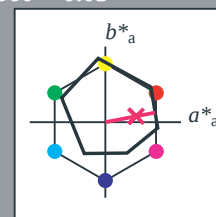
lab^*tch and lab^*nch

D65: hue B75R

LCH*Ma: 52 67 11

olv*Ma: 1.0 0.0 0.62

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

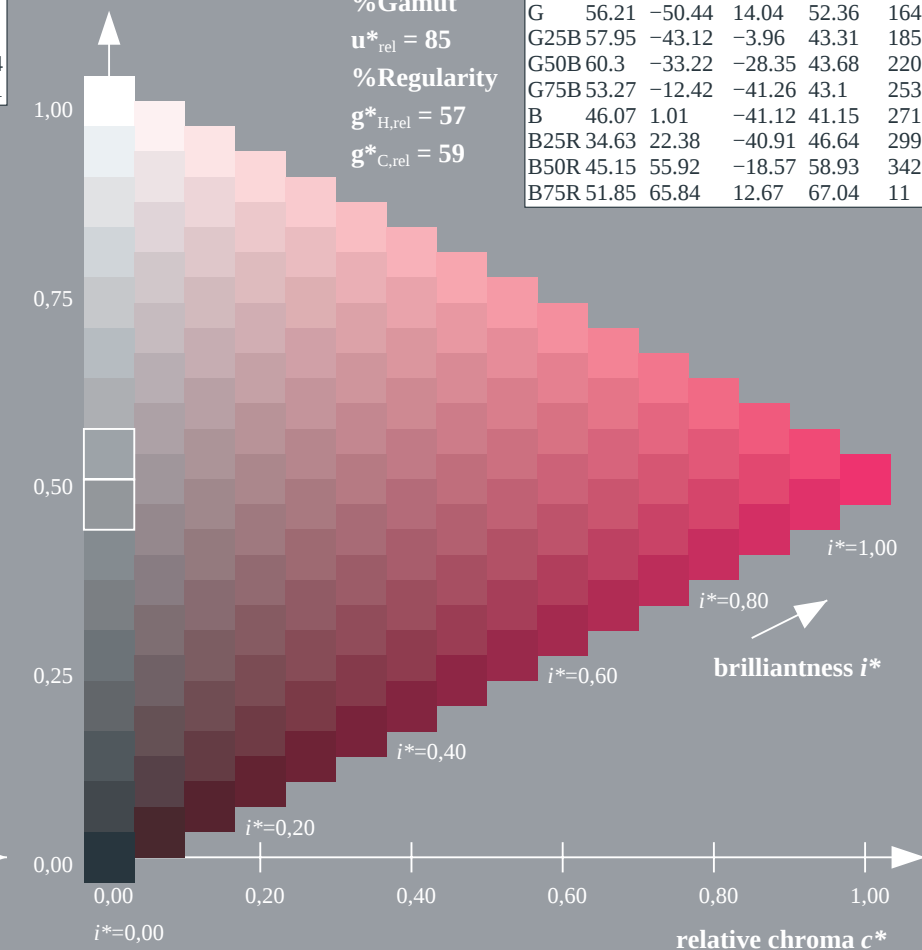
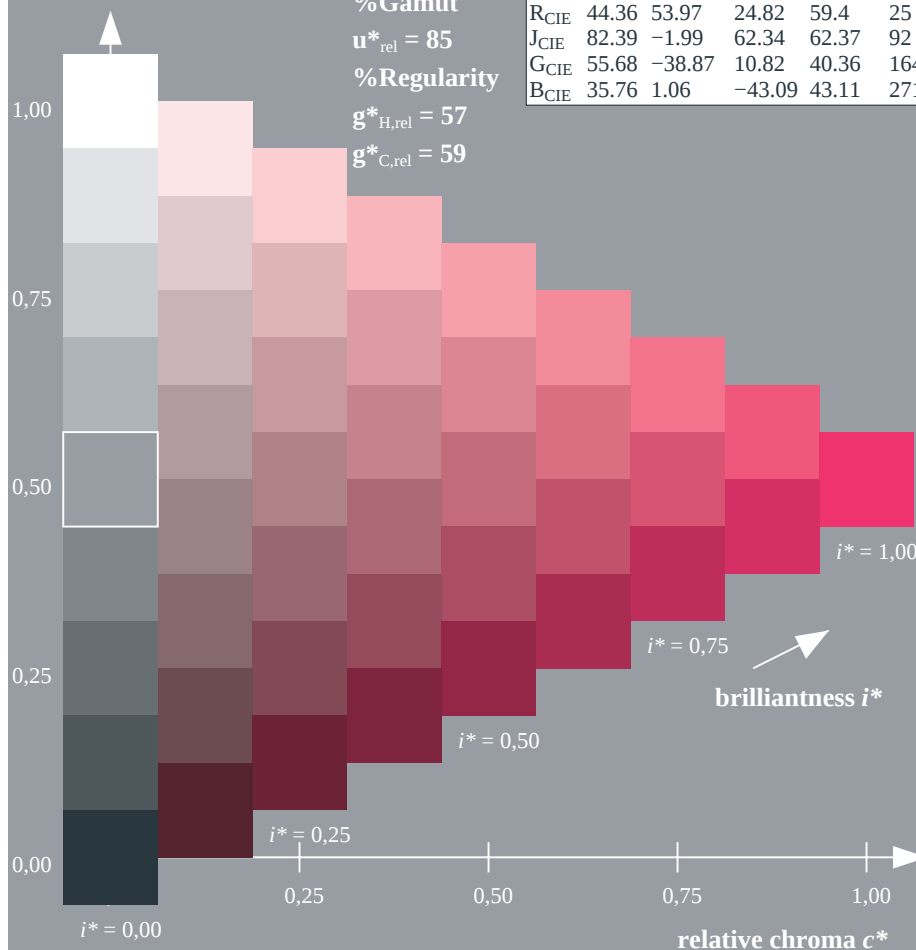
%Gamut

$u^*_{rel} = 85$

%Regularity

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

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



ZE920-7F, 9 step scales for constant CIELAB hue 11/360 = 0.03 (left)

Page 32/96

ZE920-7F, 16 step scales for constant CIELAB hue 11/360 = 0.03 (right)

BAM-test chart ZE92; Colorimetric systems, Page 32/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color

output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

Input: Colorimetric Offset Reflective System ORS18

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

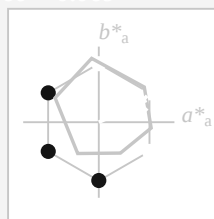
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 69 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

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

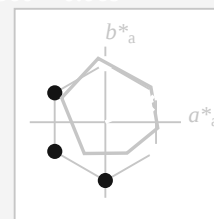
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 69 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

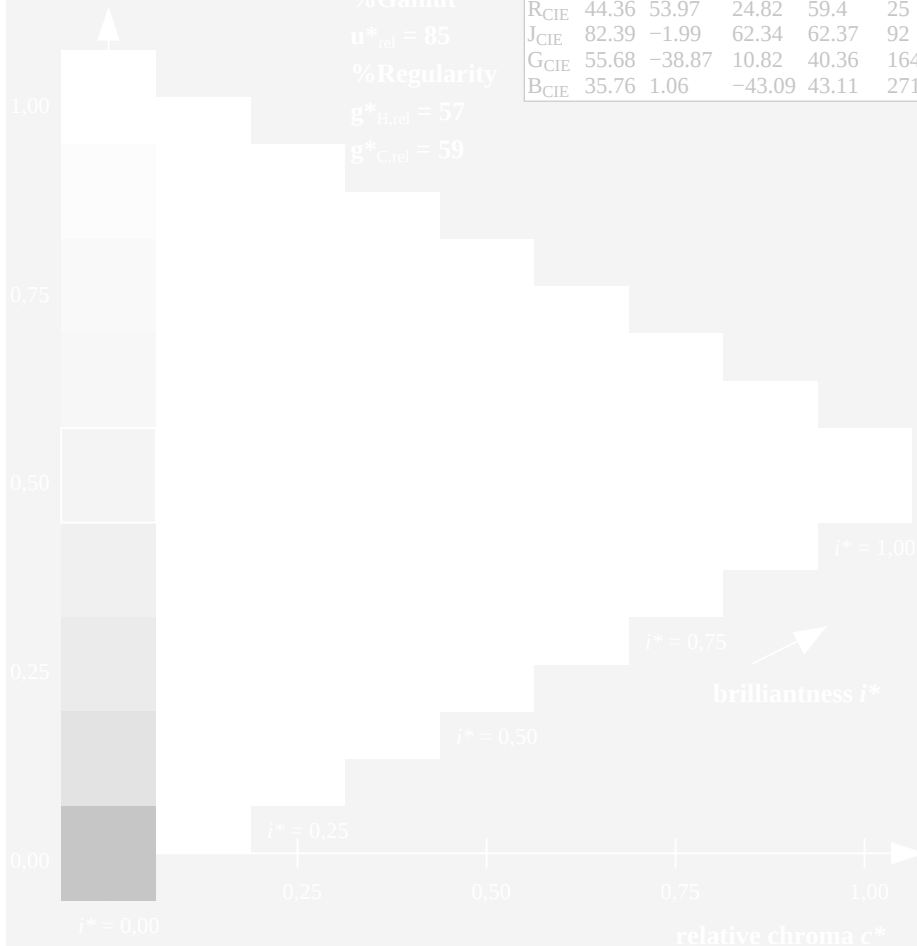
%Regularity

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

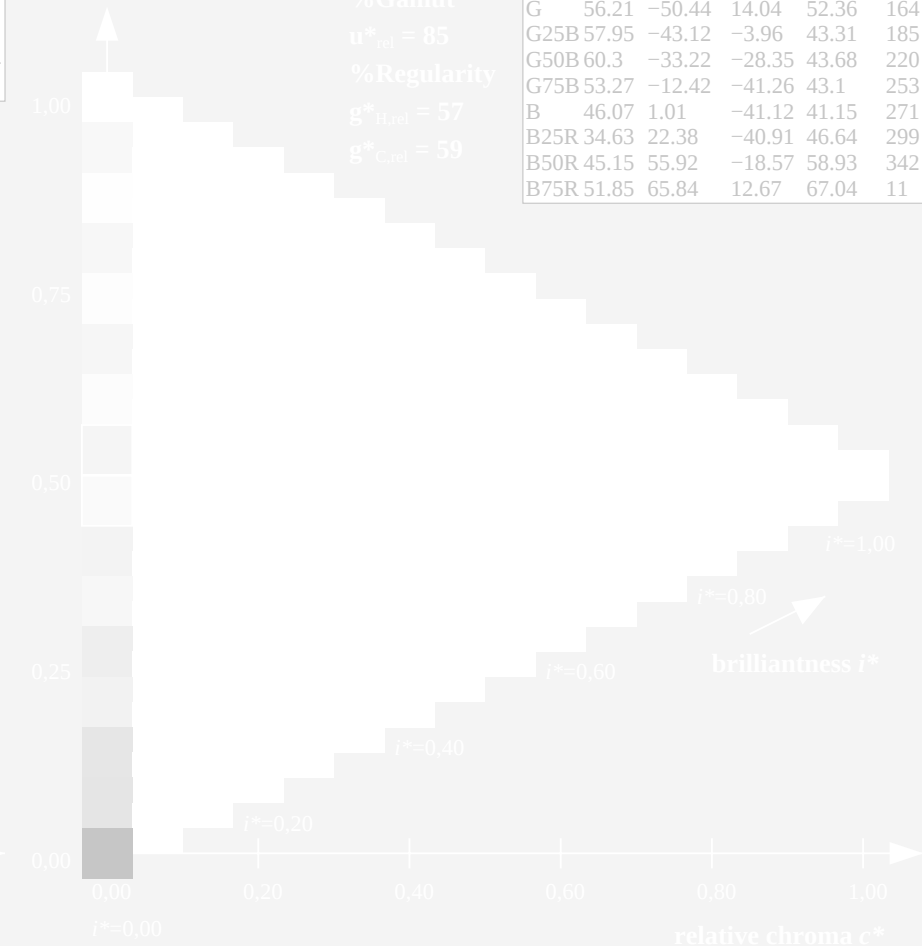
$g^*_{C,rel} = 59$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 9 step scales for constant CIELAB hue 25/360 = 0.069 (left)



ZE920-7F, 16 step scales for constant CIELAB hue 25/360 = 0.069 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 41/360 = 0.113$

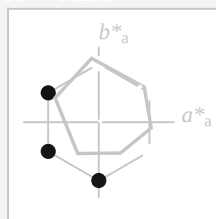
lab^*tch and lab^*nch

D65: hue R25J

LCH*Ma: 54 74 41

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 41/360 = 0.113$

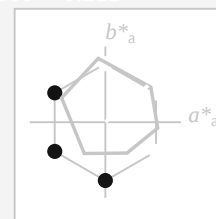
lab^*tch and lab^*nch

D65: hue R25J

LCH*Ma: 54 74 41

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

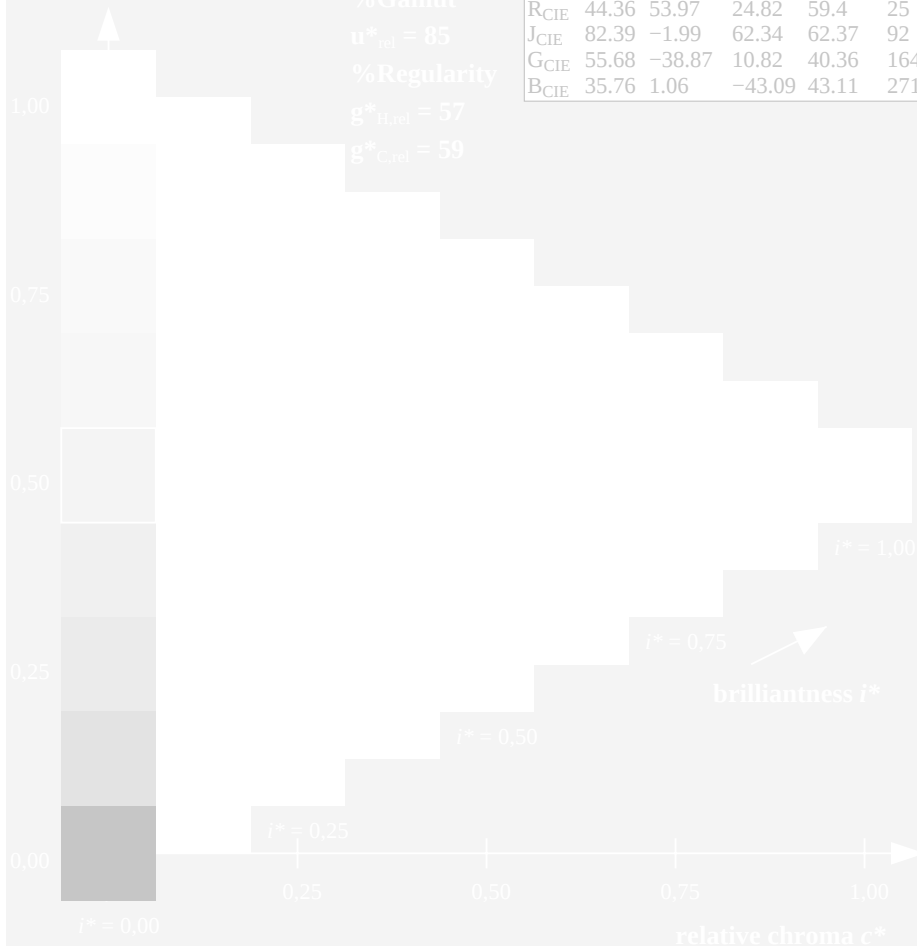
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 9 step scales for constant CIELAB hue 41/360 = 0.113 (left)

BAM-test chart ZE92; Colorimetric systems, Page 34/96
D65: 9 and 16 step colour scales for 16 elementary hues

Page 34/96

ZE920-7F, 16 step scales for constant CIELAB hue 41/360 = 0.113 (right)

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$

c n*

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 59/360 = 0.164$

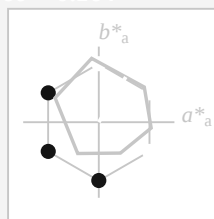
lab^*tch and lab^*nch

D65: hue R50J

LCH*Ma: 65 70 59

olv*Ma: 1.0 0.35 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 59/360 = 0.164$

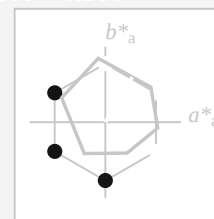
lab^*tch and lab^*nch

D65: hue R50J

LCH*Ma: 65 70 59

olv*Ma: 1.0 0.35 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

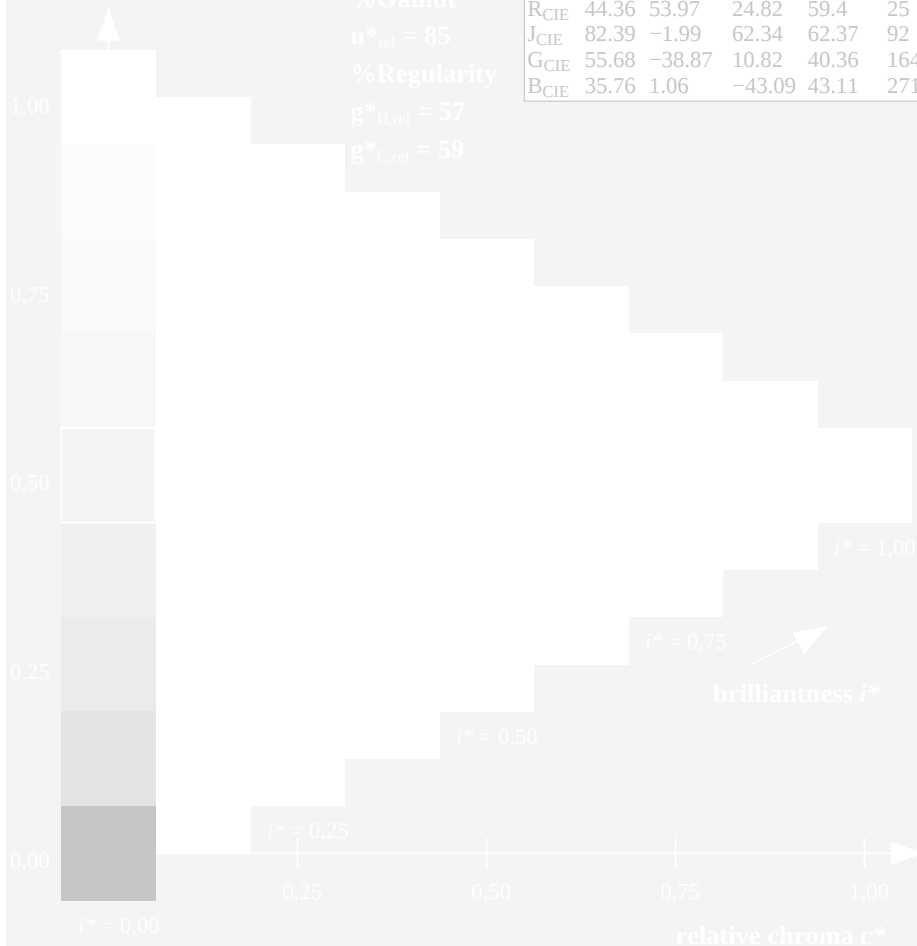
%Regularity

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

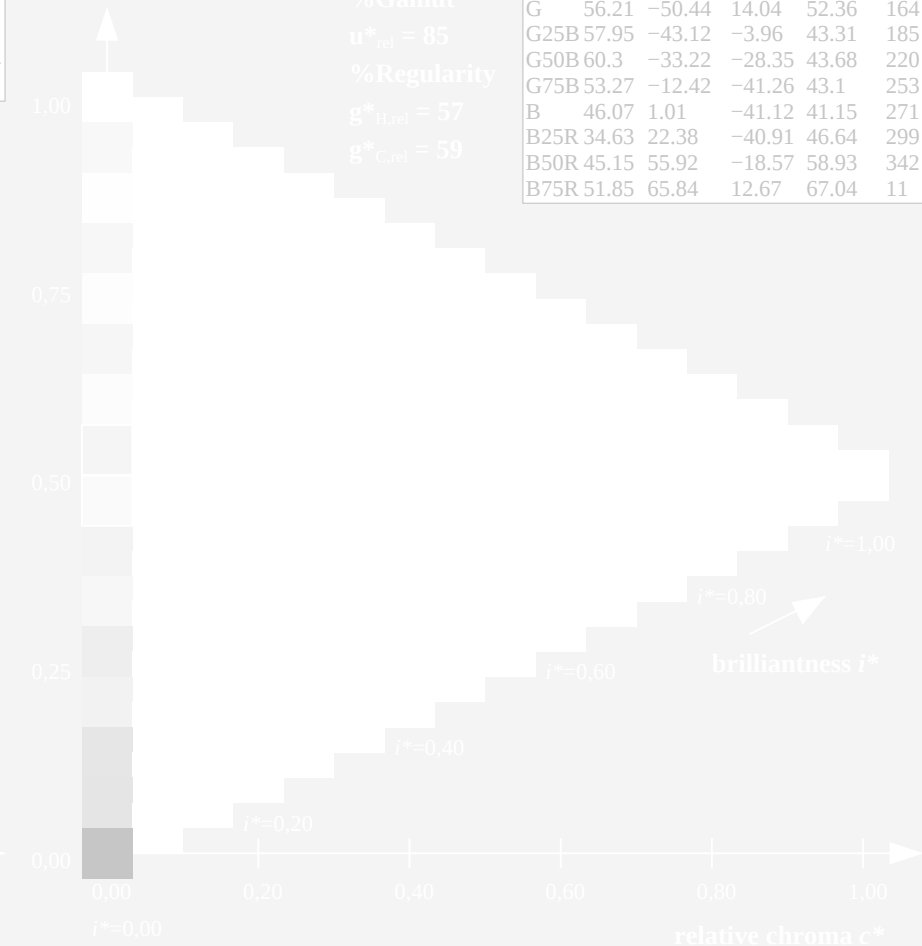
$g^*_{C,rel} = 59$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 9 step scales for constant CIELAB hue 59/360 = 0.164 (left)



ZE920-7F, 16 step scales for constant CIELAB hue 59/360 = 0.164 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 77/360 = 0.215$

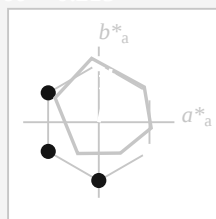
lab^*tch and lab^*nch

D65: hue R75J

LCH*Ma: 77 72 77

olv*Ma: 1.0 0.63 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 77/360 = 0.215$

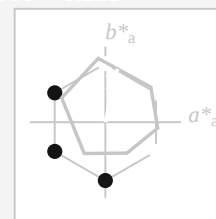
lab^*tch and lab^*nch

D65: hue R75J

LCH*Ma: 77 72 77

olv*Ma: 1.0 0.63 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

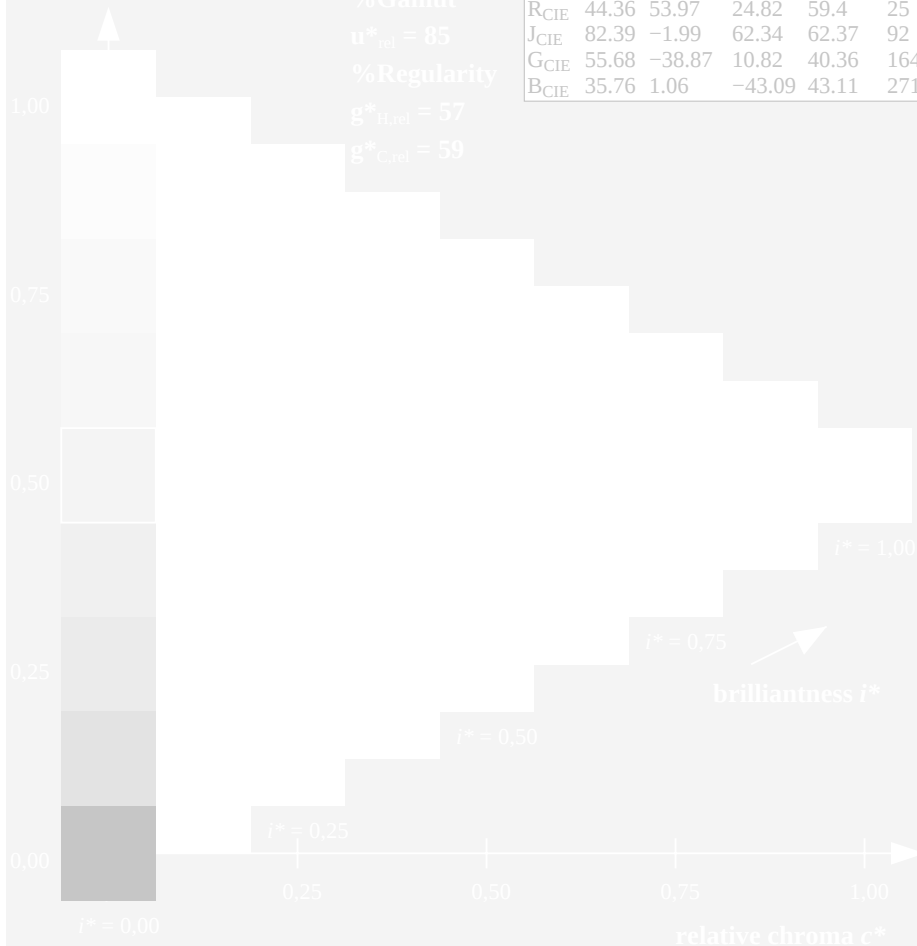
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 9 step scales for constant CIELAB hue 77/360 = 0.215 (left)

Page 36/96

ZE920-7F, 16 step scales for constant CIELAB hue 77/360 = 0.215 (right)

BAM-test chart ZE92; Colorimetric systems, Page 36/96
D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

c n*

Input: Colorimetric Offset Reflective System ORS18

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

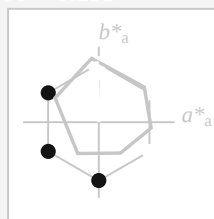
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 87 81 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

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

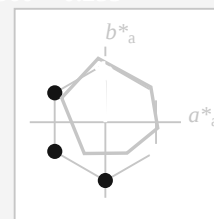
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 87 81 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

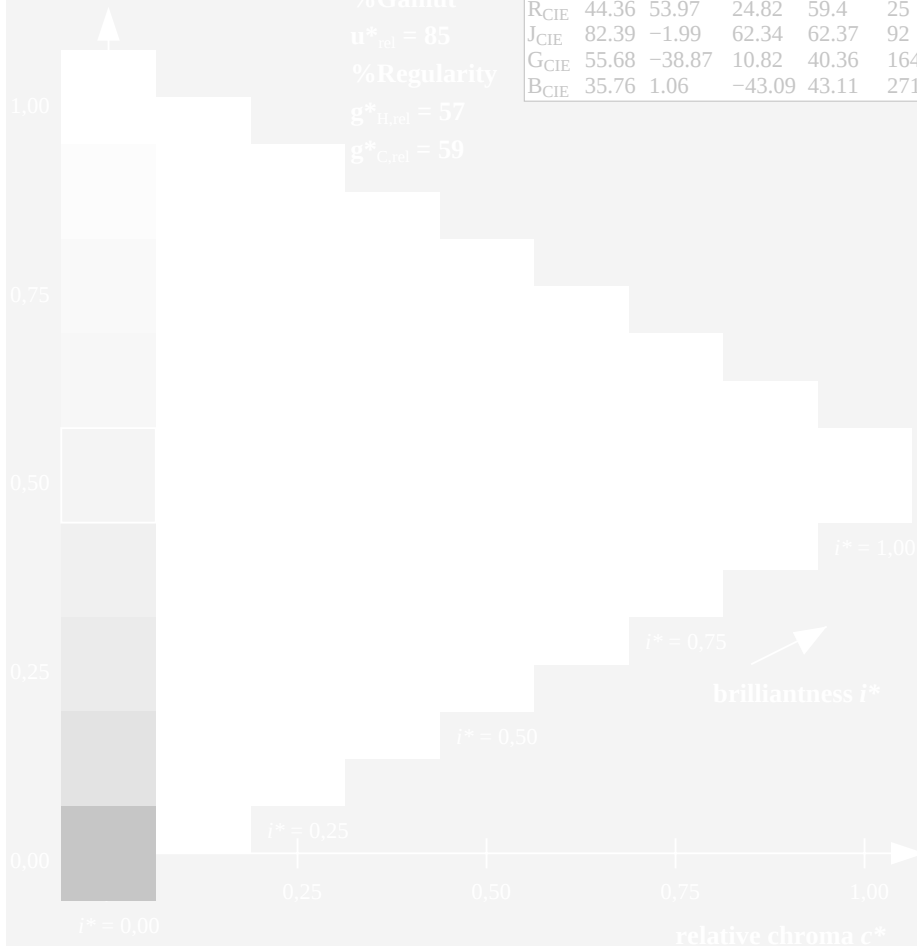
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 9 step scales for constant CIELAB hue 92/360 = 0.255 (left)



ZE920-7F, 16 step scales for constant CIELAB hue 92/360 = 0.255 (right)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 103/360 = 0.286$

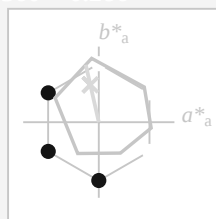
lab^*tch and lab^*nch

D65: hue J25G

LCH*Ma: 85 78 103

olv*Ma: 0.84 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 103/360 = 0.286$

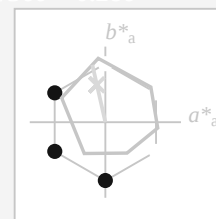
lab^*tch and lab^*nch

D65: hue J25G

LCH*Ma: 85 78 103

olv*Ma: 0.84 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

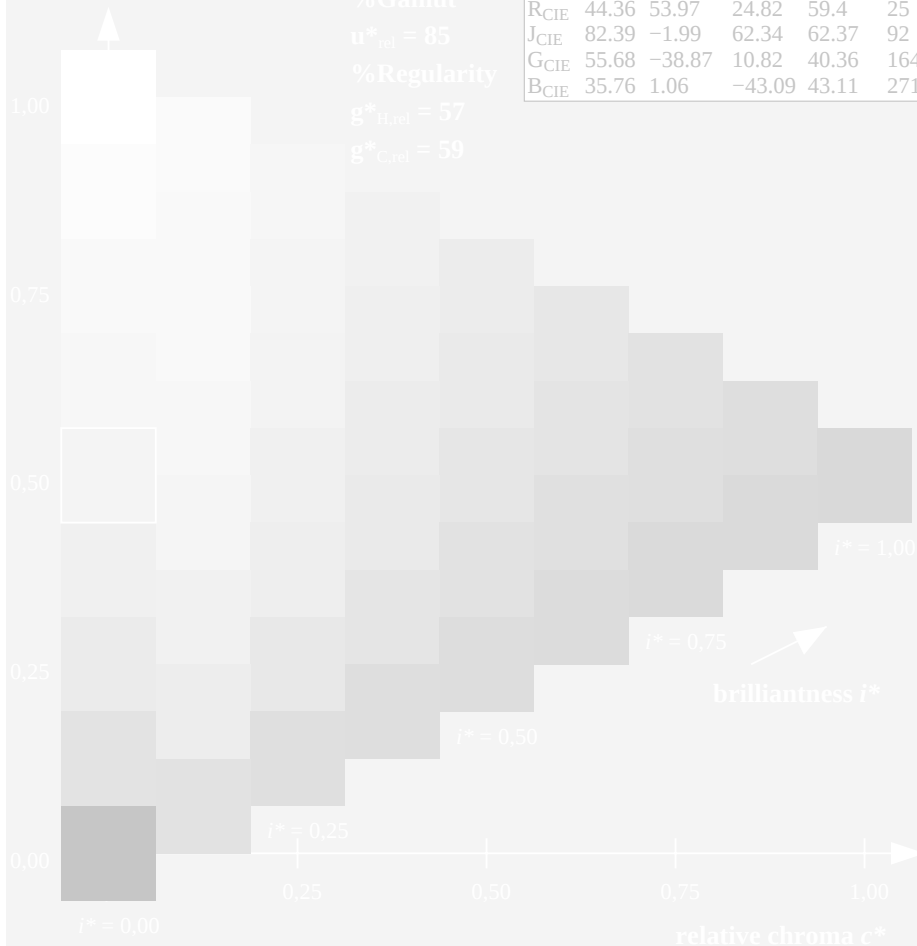
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 9 step scales for constant CIELAB hue 103/360 = 0.286 (left)

Page 38/96

ZE920-7F, 16 step scales for constant CIELAB hue 103/360 = 0.286 (right)

BAM-test chart ZE92; Colorimetric systems, Page 38/96
D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

c n*

See for similar files: <http://www.ps.bam.de/ZE92/>; www.ps.bam.de/ZE92/10L/L92E00FP.PS/.PDF
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB

BAM registration: 20071001-ZE92/10L/L92E00FP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 119/360 = 0.331$

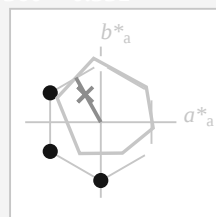
lab^*tch and lab^*nch

D65: hue J50G

LCH*Ma: 73 68 119

olv*Ma: 0.51 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 119/360 = 0.331$

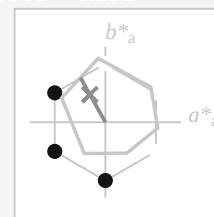
lab^*tch and lab^*nch

D65: hue J50G

LCH*Ma: 73 68 119

olv*Ma: 0.51 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

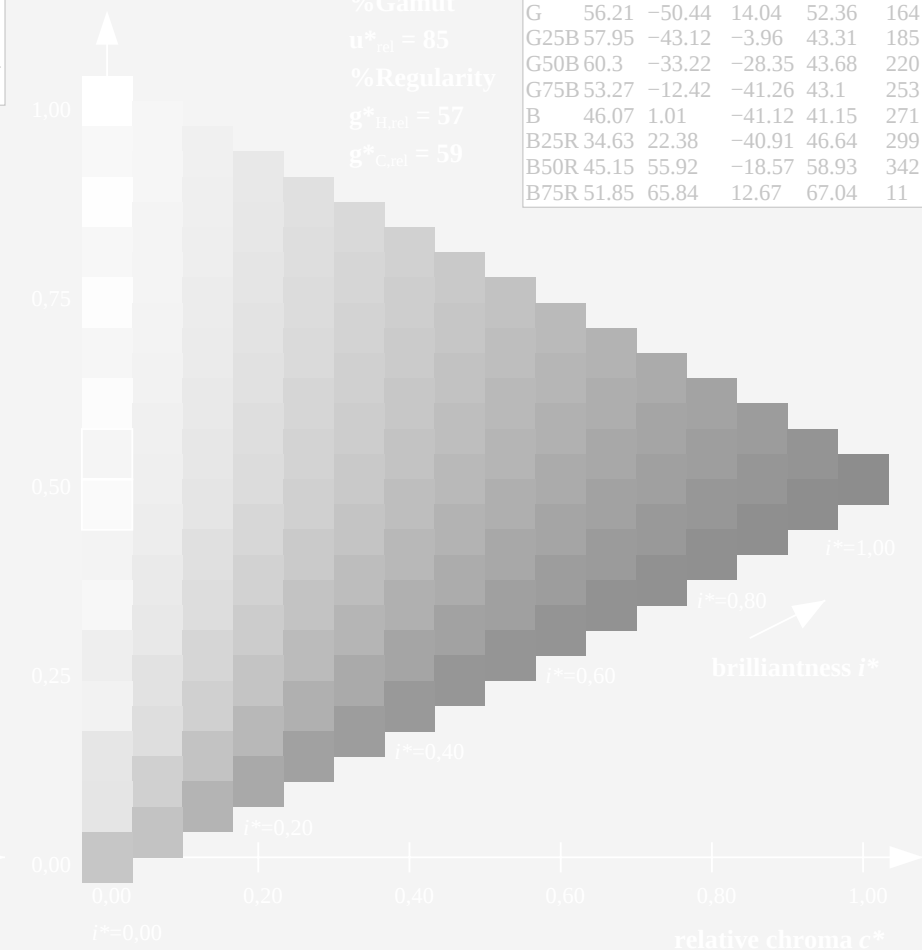
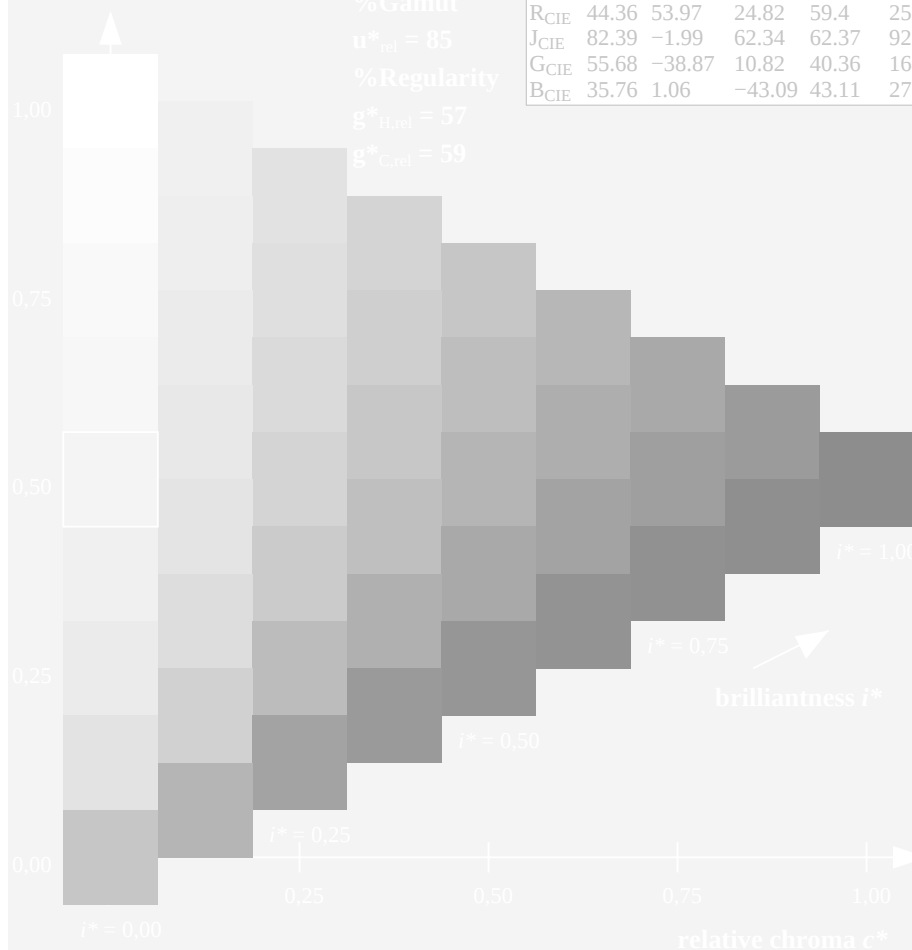
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 9 step scales for constant CIELAB hue 119/360 = 0.331 (left)

Page 39/96

ZE920-7F, 16 step scales for constant CIELAB hue 119/360 = 0.331 (right)

BAM-test chart ZE92; Colorimetric systems, Page 39/96
D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmY0 set(rgb/cmyk)color$
output: $->LAB^*->cmYn5^* setcmykcolo$

See for similar files: <http://www.ps.bam.de/ZE92/>; www.ps.bam.de/ZE92/10L/L92E00FP.PS/.PDF
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB

BAM registration: 20071001-ZE92/10L/L92E00FP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 141/360 = 0.393$

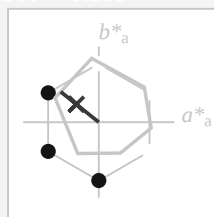
lab^*tch and lab^*nch

D65: hue J75G

LCH*Ma: 60 64 141

olv*Ma: 0.15 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 141/360 = 0.393$

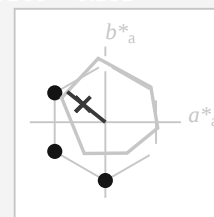
lab^*tch and lab^*nch

D65: hue J75G

LCH*Ma: 60 64 141

olv*Ma: 0.15 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

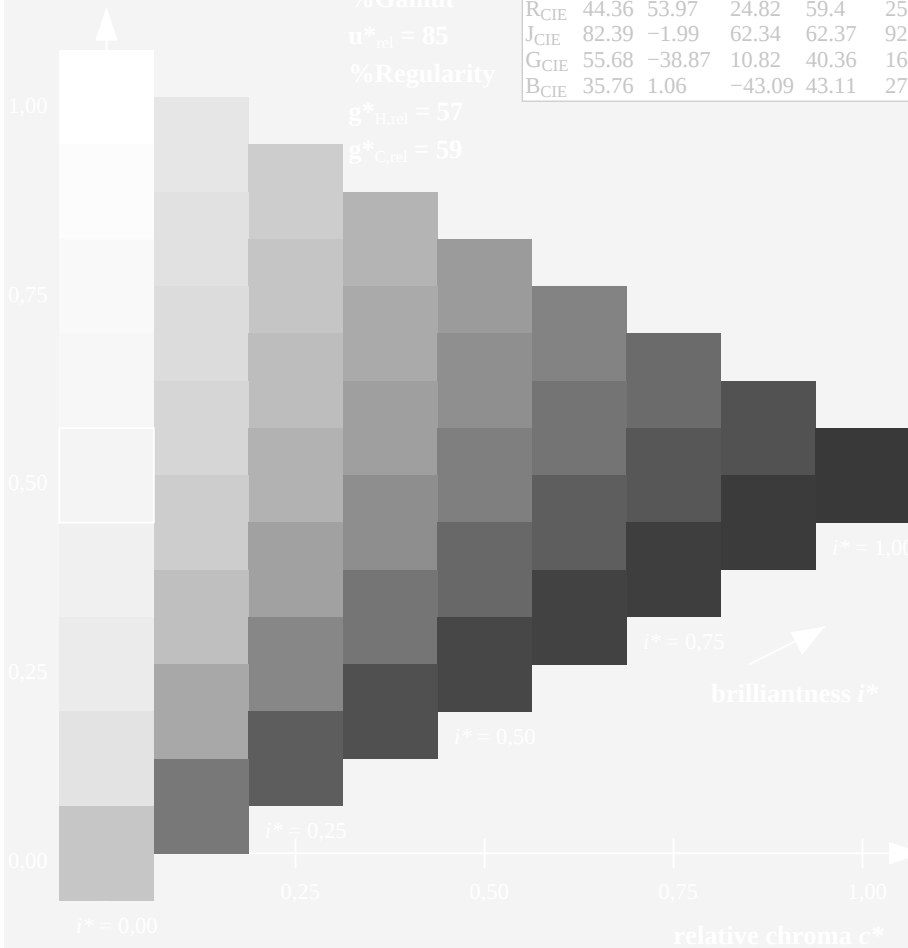
%Regularity

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

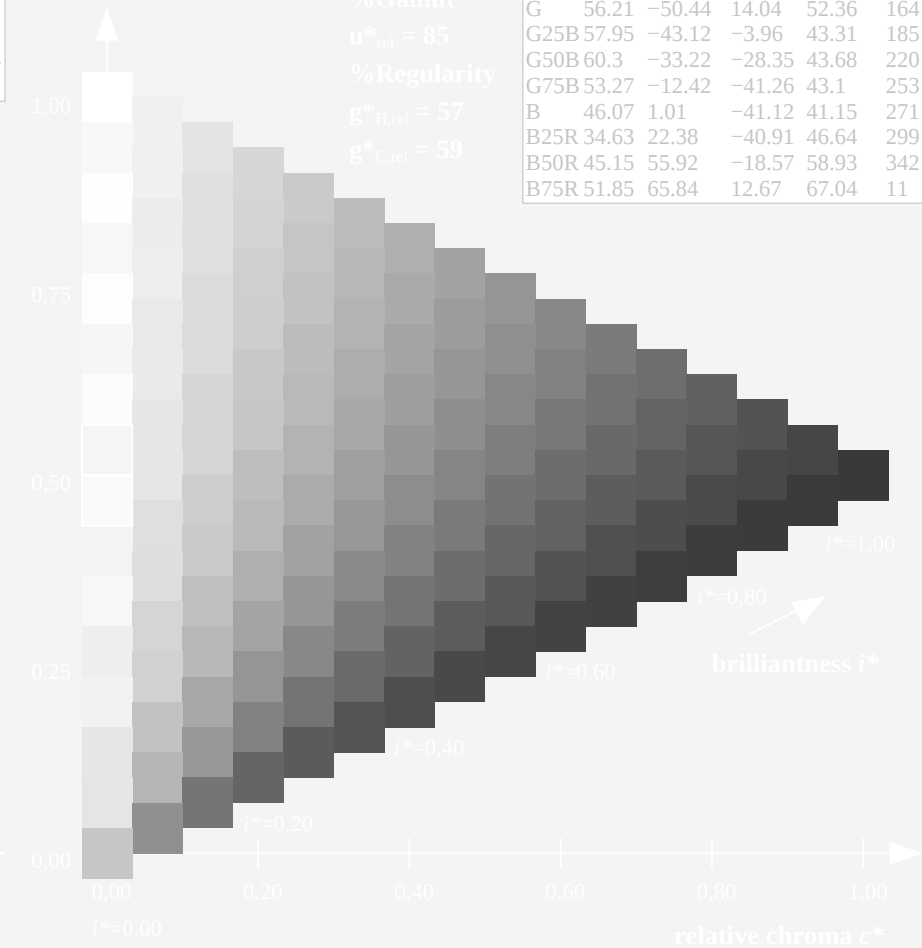
$g^*_{C,rel} = 59$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 9 step scales for constant CIELAB hue 141/360 = 0.393 (left)



ZE920-7F, 16 step scales for constant CIELAB hue 141/360 = 0.393 (right)

See for similar files: <http://www.ps.bam.de/ZE92/>; www.ps.bam.de/ZE92/10L/L92E00FP.PS/.PDF
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB

BAM registration: 20071001-ZE92/10L/L92E00FP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

Input: Colorimetric Offset Reflective System ORS18

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

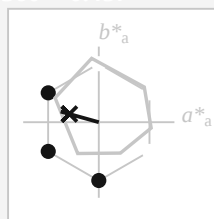
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 52 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

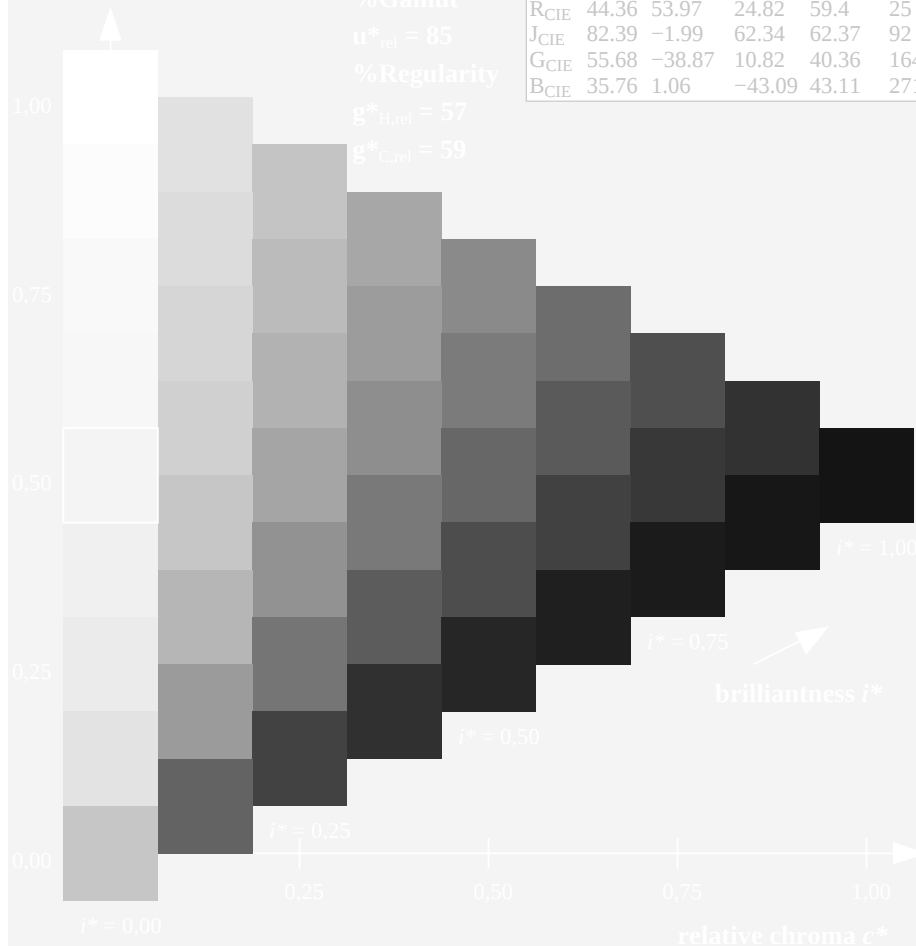
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 164/360 = 0.457 (left)

Page 41/96

BAM-test chart ZE92; Colorimetric systems, Page 41/96
D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

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

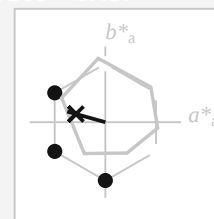
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 52 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

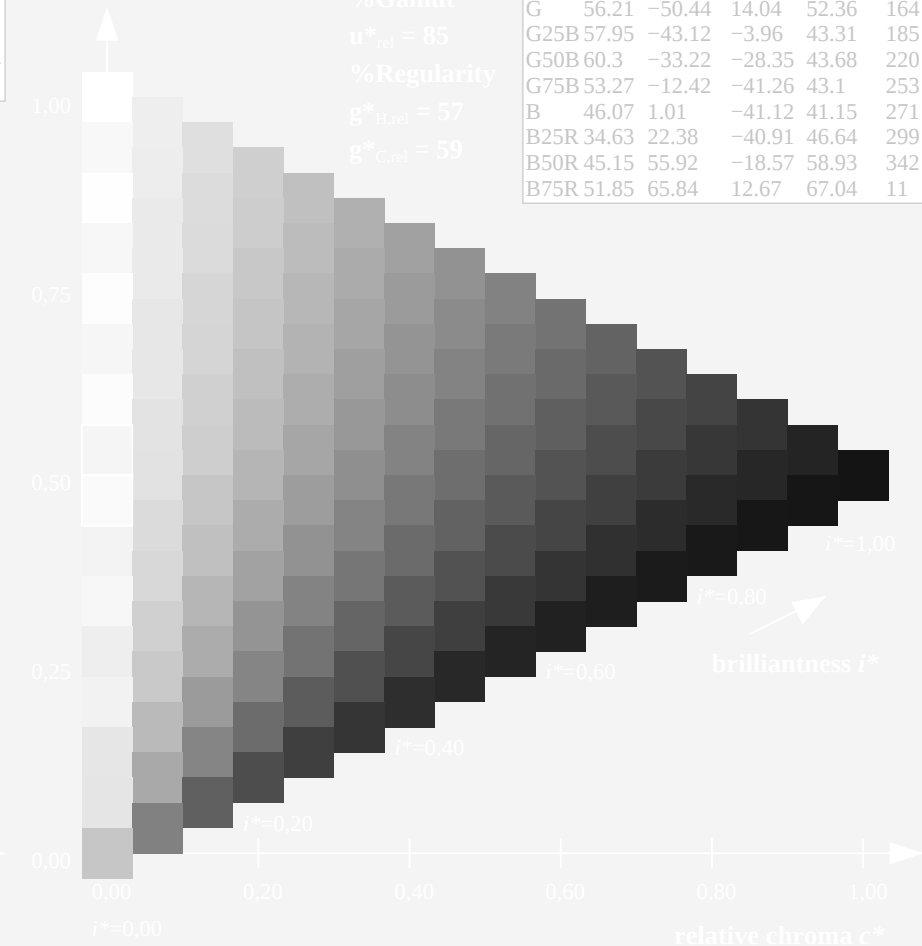
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 16 step scales for constant CIELAB hue 164/360 = 0.457 (right)

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^* setcmykcolo$

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 185/360 = 0.515$

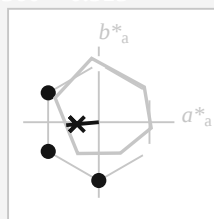
lab^*tch and lab^*nch

D65: hue G25B

LCH*Ma: 58 43 185

olv*Ma: 0.0 1.0 0.49

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

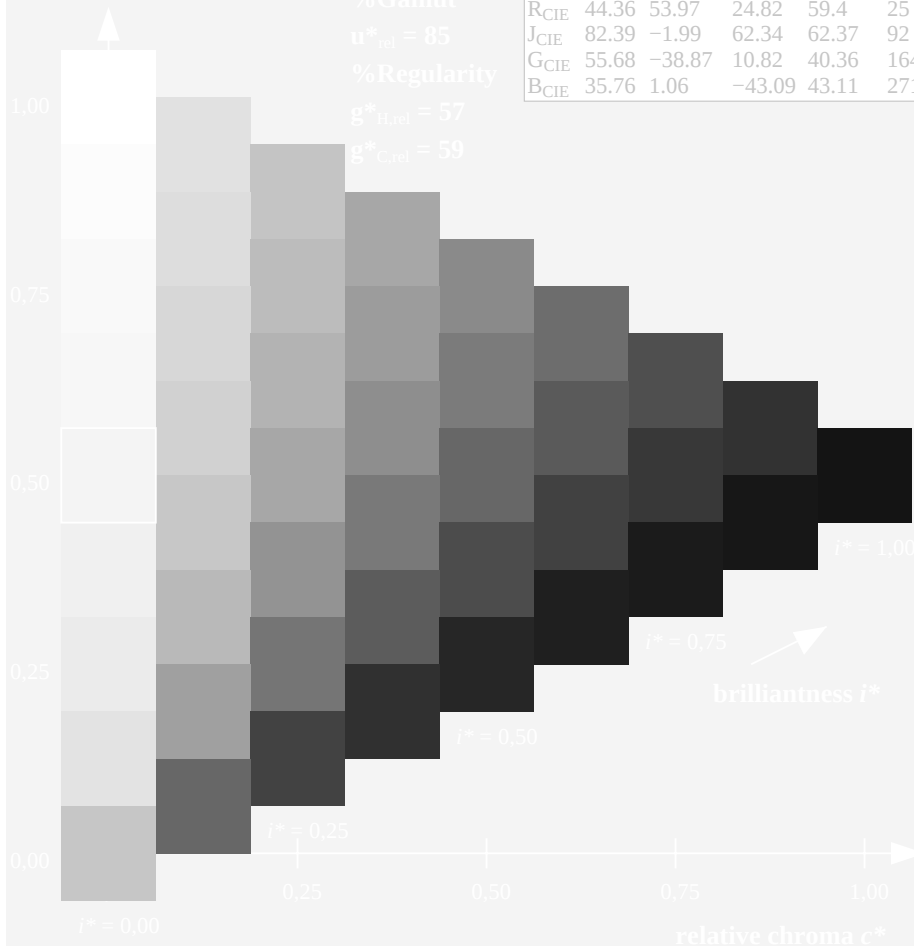
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 185/360 = 0.515 (left)

BAM-test chart ZE92; Colorimetric systems, Page 42/96
D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 185/360 = 0.515$

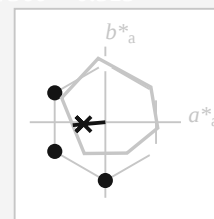
lab^*tch and lab^*nch

D65: hue G25B

LCH*Ma: 58 43 185

olv*Ma: 0.0 1.0 0.49

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

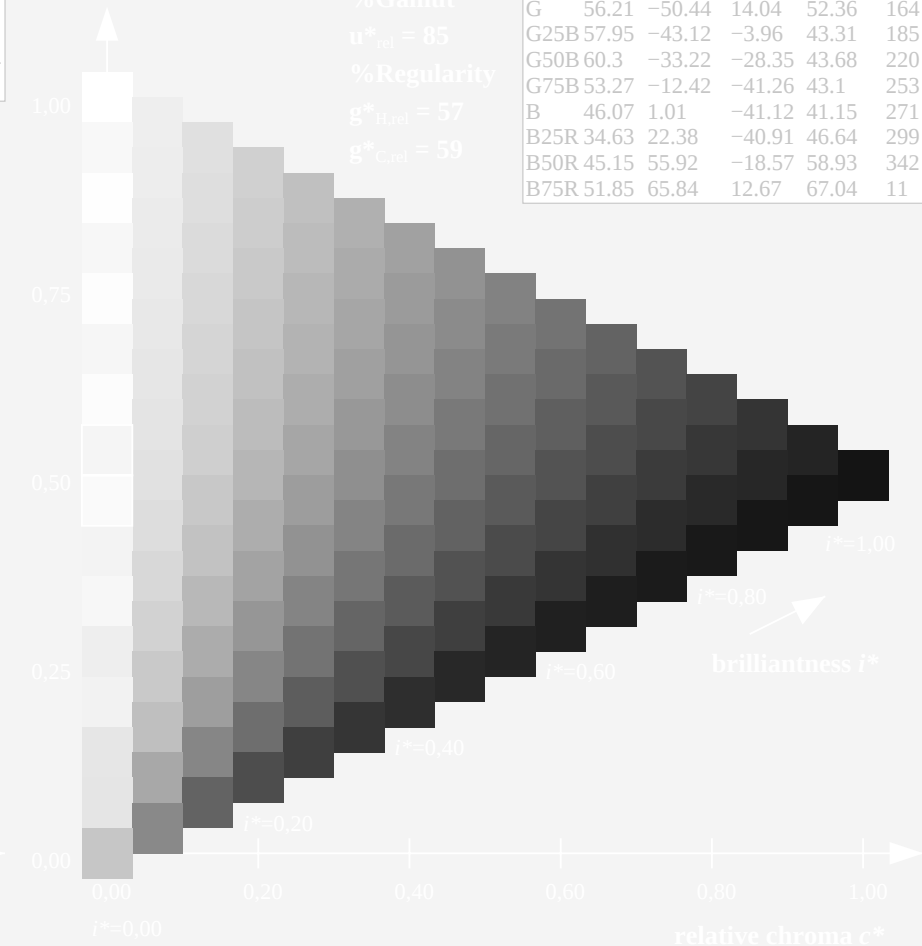
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 16 step scales for constant CIELAB hue 185/360 = 0.515 (right)

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

See for similar files: <http://www.ps.bam.de/ZE92/>; www.ps.bam.de/ZE92/10L/L92E00FP.PS/.PDF
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB

BAM registration: 20071001-ZE92/10L/L92E00FP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 253/360 = 0.703$

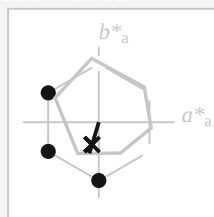
lab^*tch and lab^*nch

D65: hue G75B

LCH*Ma: 53 43 253

olv*Ma: 0.0 0.73 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

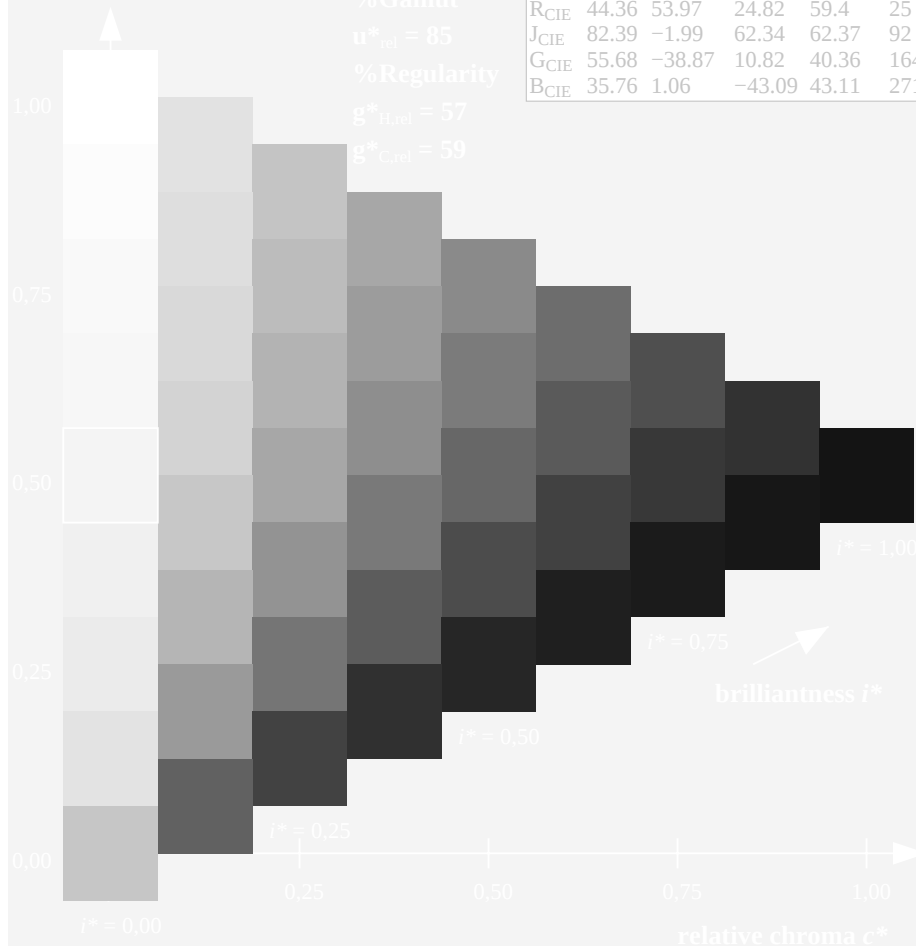
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 253/360 = 0.703 (left)

Page 44/96

BAM-test chart ZE92; Colorimetric systems, Page 44/96
D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 253/360 = 0.703$

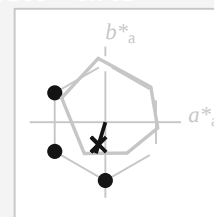
lab^*tch and lab^*nch

D65: hue G75B

LCH*Ma: 53 43 253

olv*Ma: 0.0 0.73 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

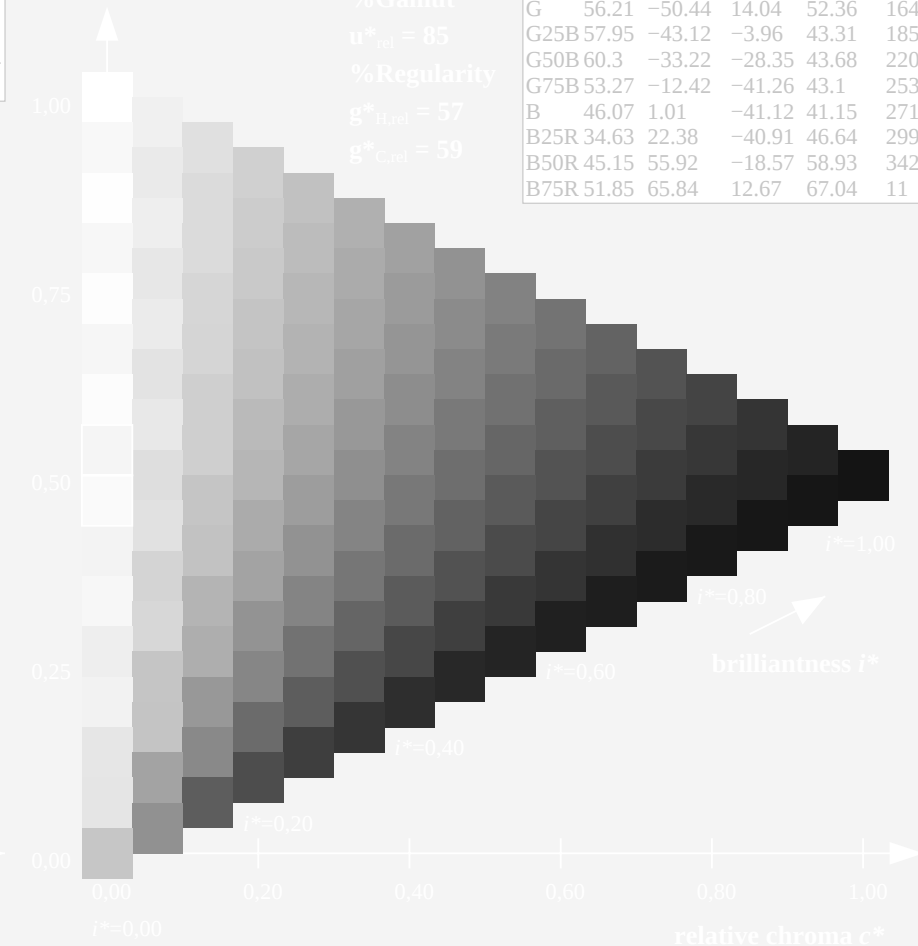
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 16 step scales for constant CIELAB hue 253/360 = 0.703 (right)

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

See for similar files: <http://www.ps.bam.de/ZE92/>; www.ps.bam.de/ZE92/10L/L92E00FP.PS/.PDF
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB

BAM registration: 20071001-ZE92/10L/L92E00FP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

Input: Colorimetric Offset Reflective System ORS18

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

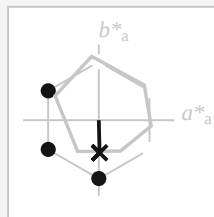
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 46 41 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

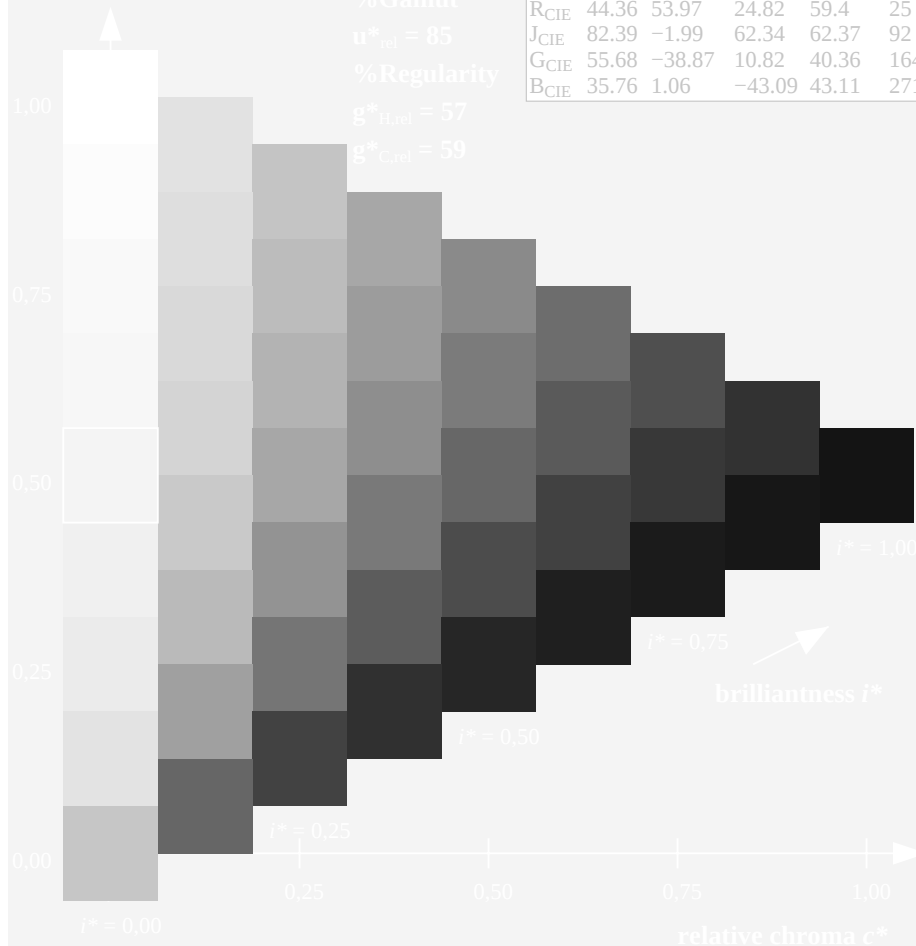
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 271/360 = 0.754 (left)

Page 45/96

BAM-test chart ZE92; Colorimetric systems, Page 45/96
D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

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

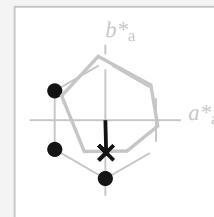
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 46 41 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

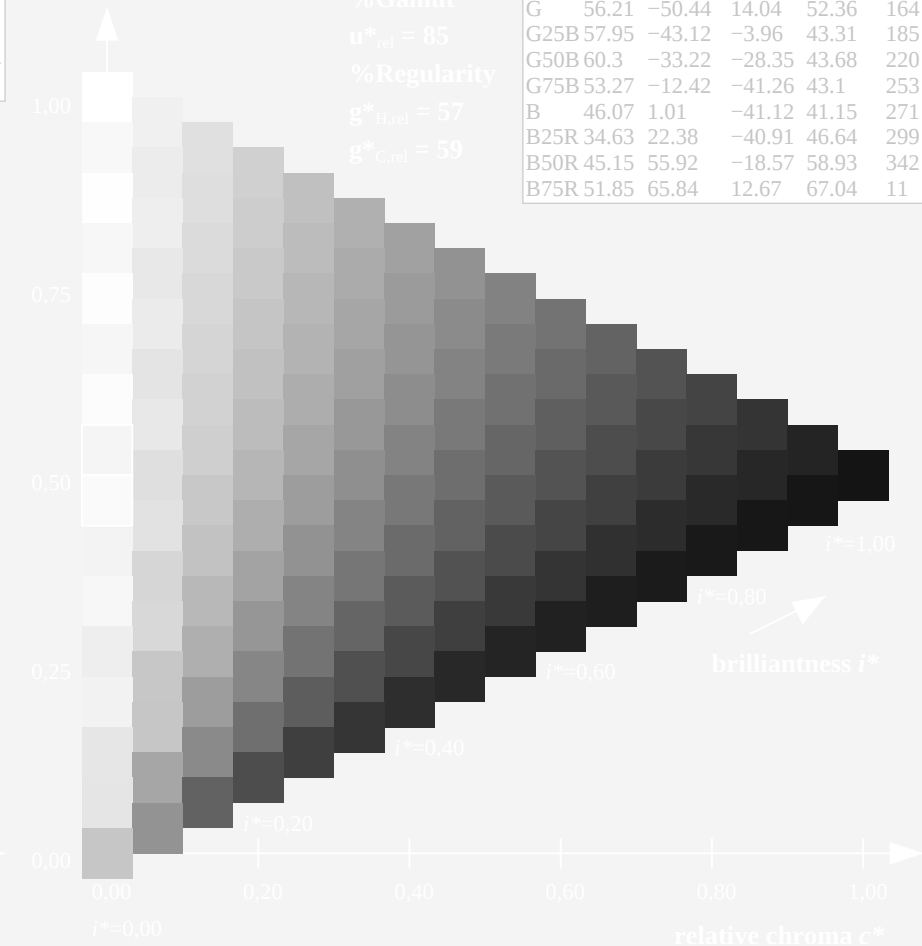
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 16 step scales for constant CIELAB hue 271/360 = 0.754 (right)

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^* setcmykcolo$

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 299/360 = 0.83$

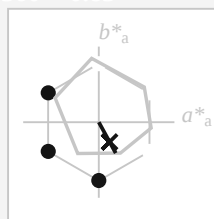
lab^*tch and lab^*nch

D65: hue B25R

LCH*Ma: 35 47 299

olv*Ma: 0.0 0.11 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 299/360 = 0.83$

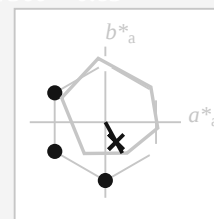
lab^*tch and lab^*nch

D65: hue B25R

LCH*Ma: 35 47 299

olv*Ma: 0.0 0.11 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

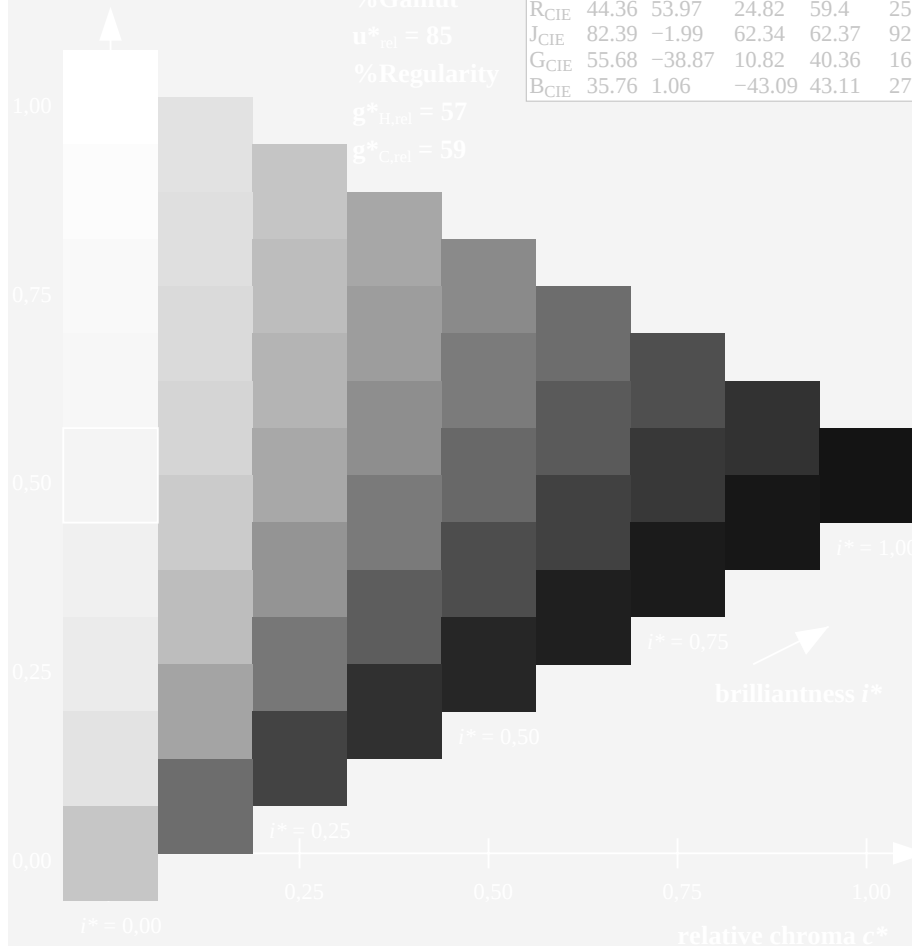
%Gamut

$u^*_{rel} = 85$

%Regularity

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

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



ZE920-7F, 9 step scales for constant CIELAB hue 299/360 = 0.83 (left)

Page 46/96

ZE920-7F, 16 step scales for constant CIELAB hue 299/360 = 0.83 (right)

BAM-test chart ZE92; Colorimetric systems, Page 46/96
D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 11/360 = 0.03$

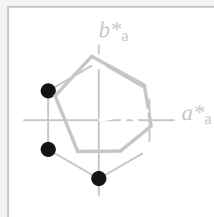
lab^*tch and lab^*nch

D65: hue B75R

LCH*Ma: 52 67 11

olv*Ma: 1.0 0.0 0.62

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 11/360 = 0.03$

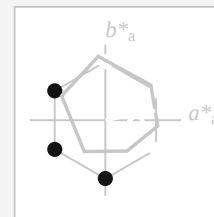
lab^*tch and lab^*nch

D65: hue B75R

LCH*Ma: 52 67 11

olv*Ma: 1.0 0.0 0.62

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

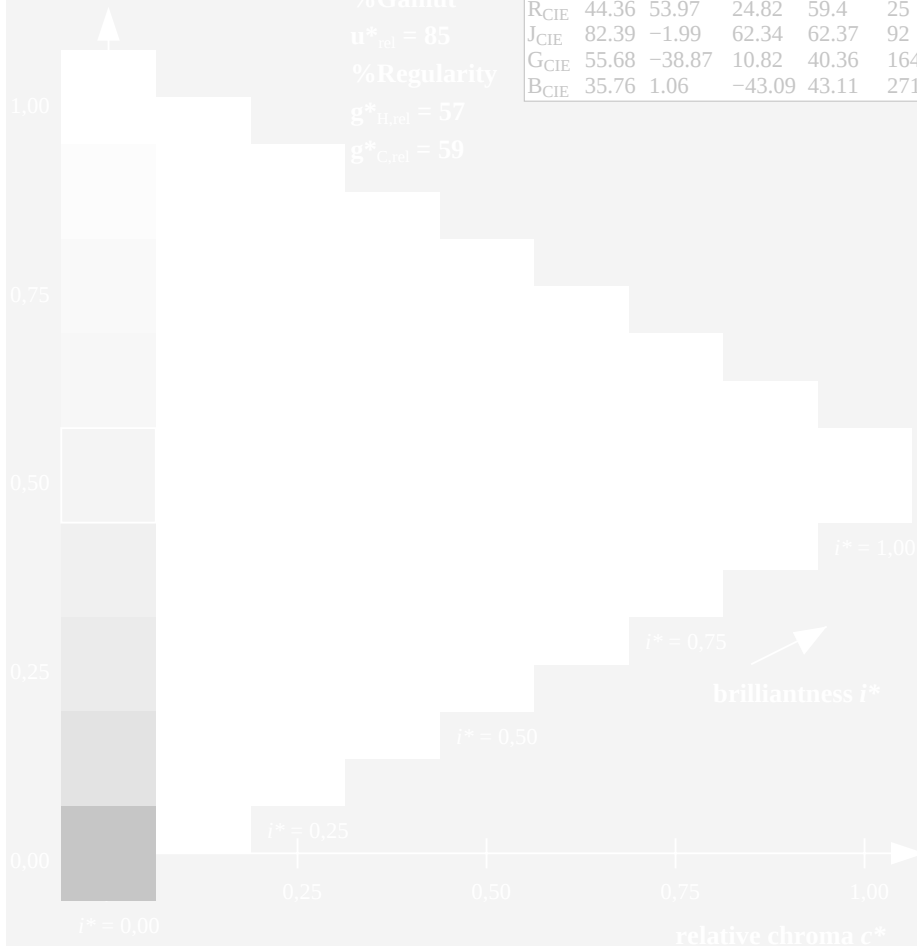
%Regularity

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

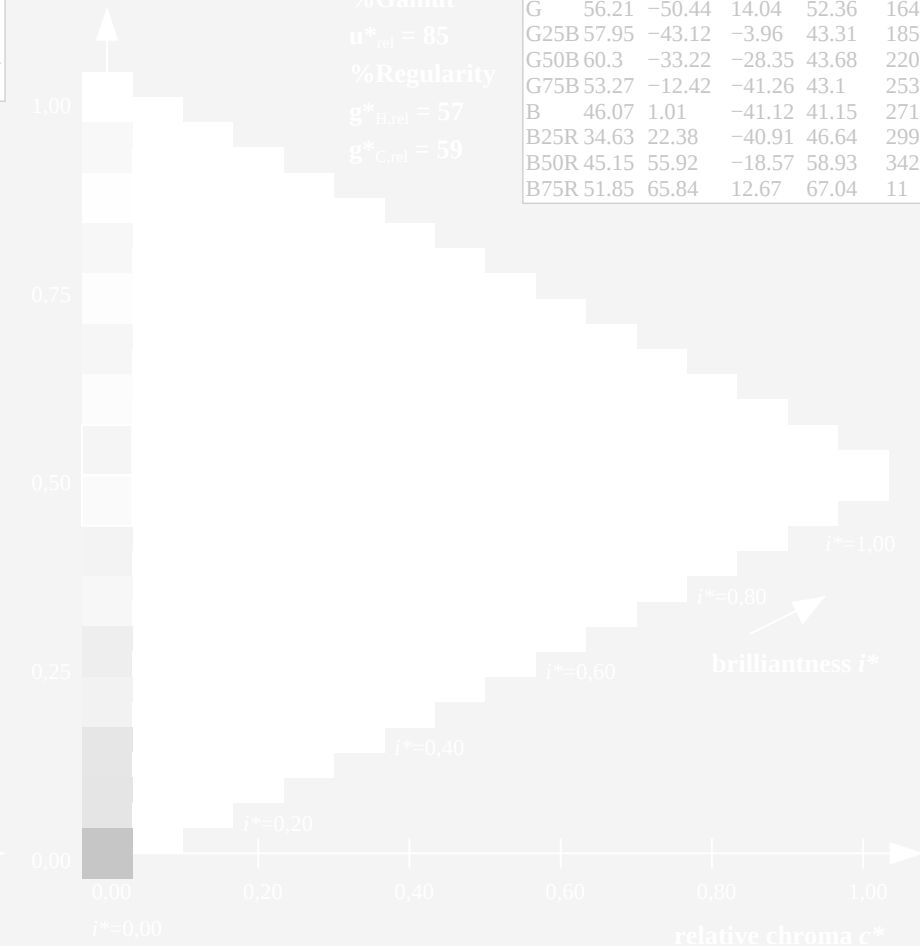
$g^*_{C,rel} = 59$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 9 step scales for constant CIELAB hue 11/360 = 0.03 (left)



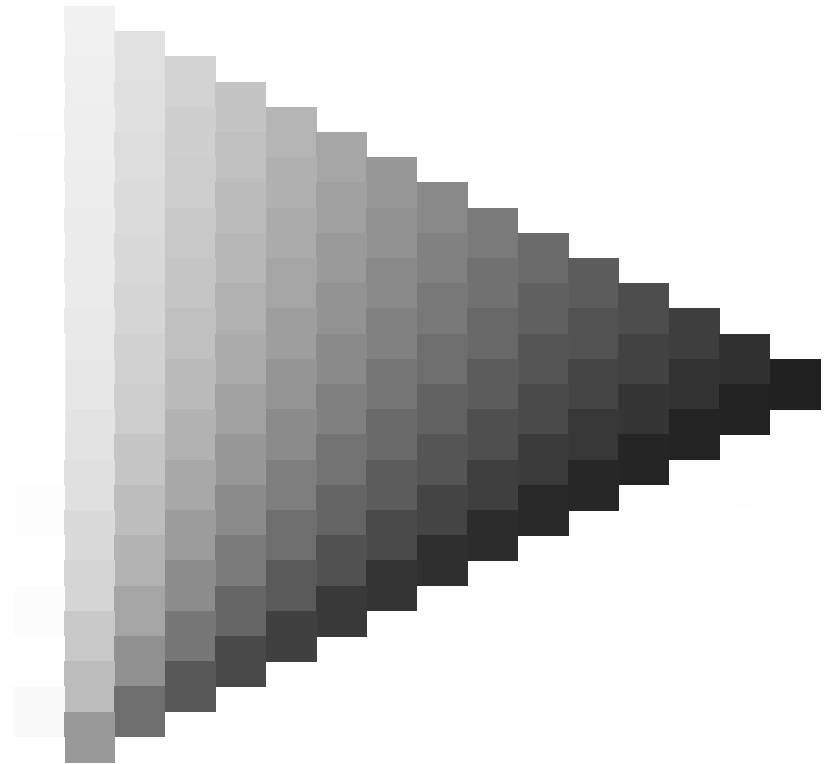
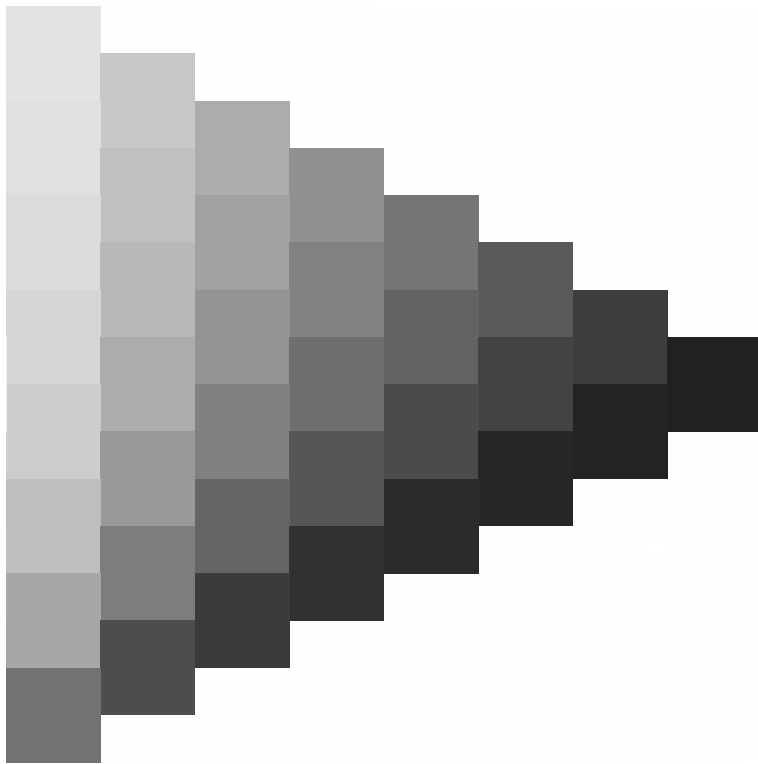
ZE920-7F, 16 step scales for constant CIELAB hue 11/360 = 0.03 (right)

m



m

m



m

m

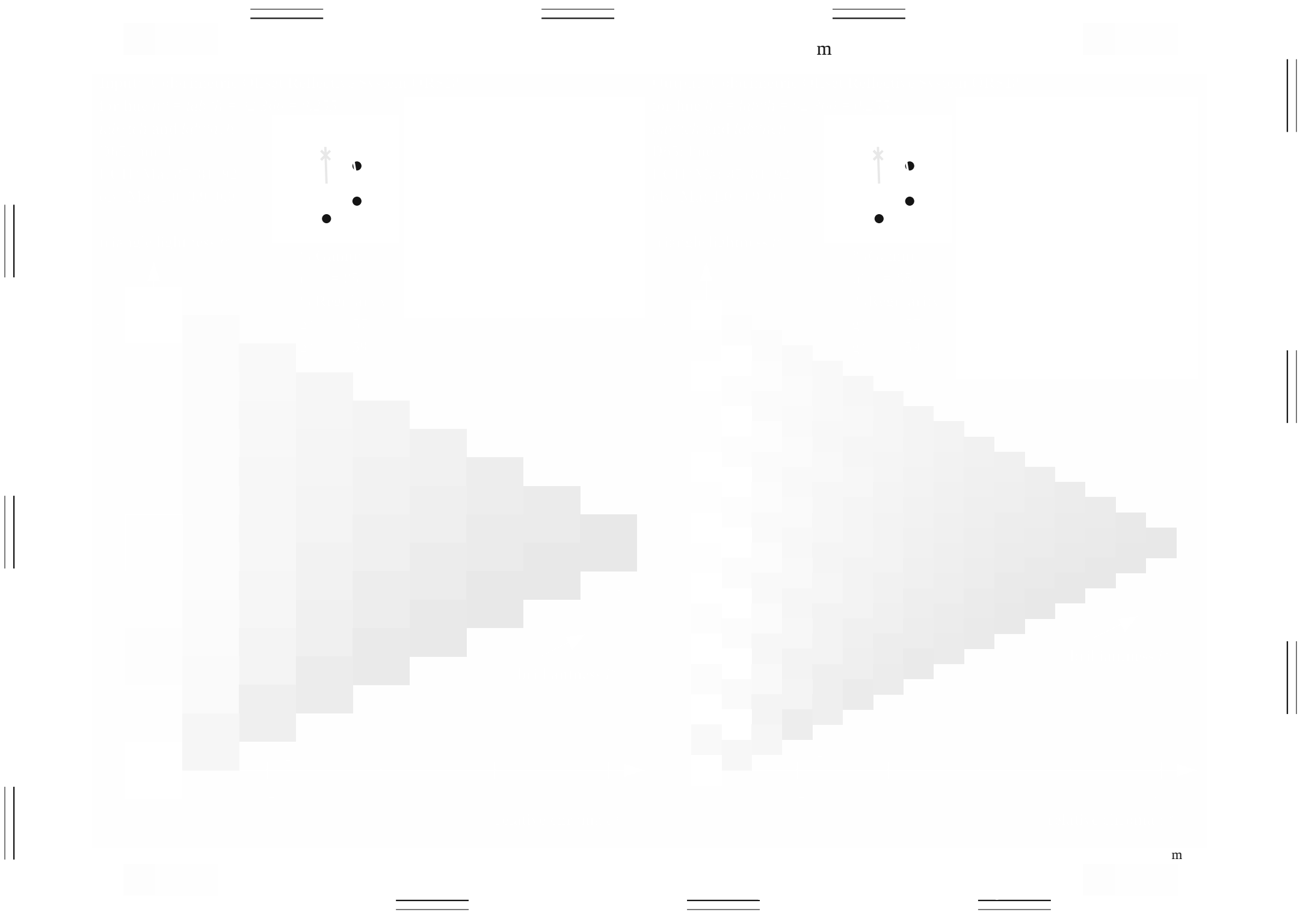


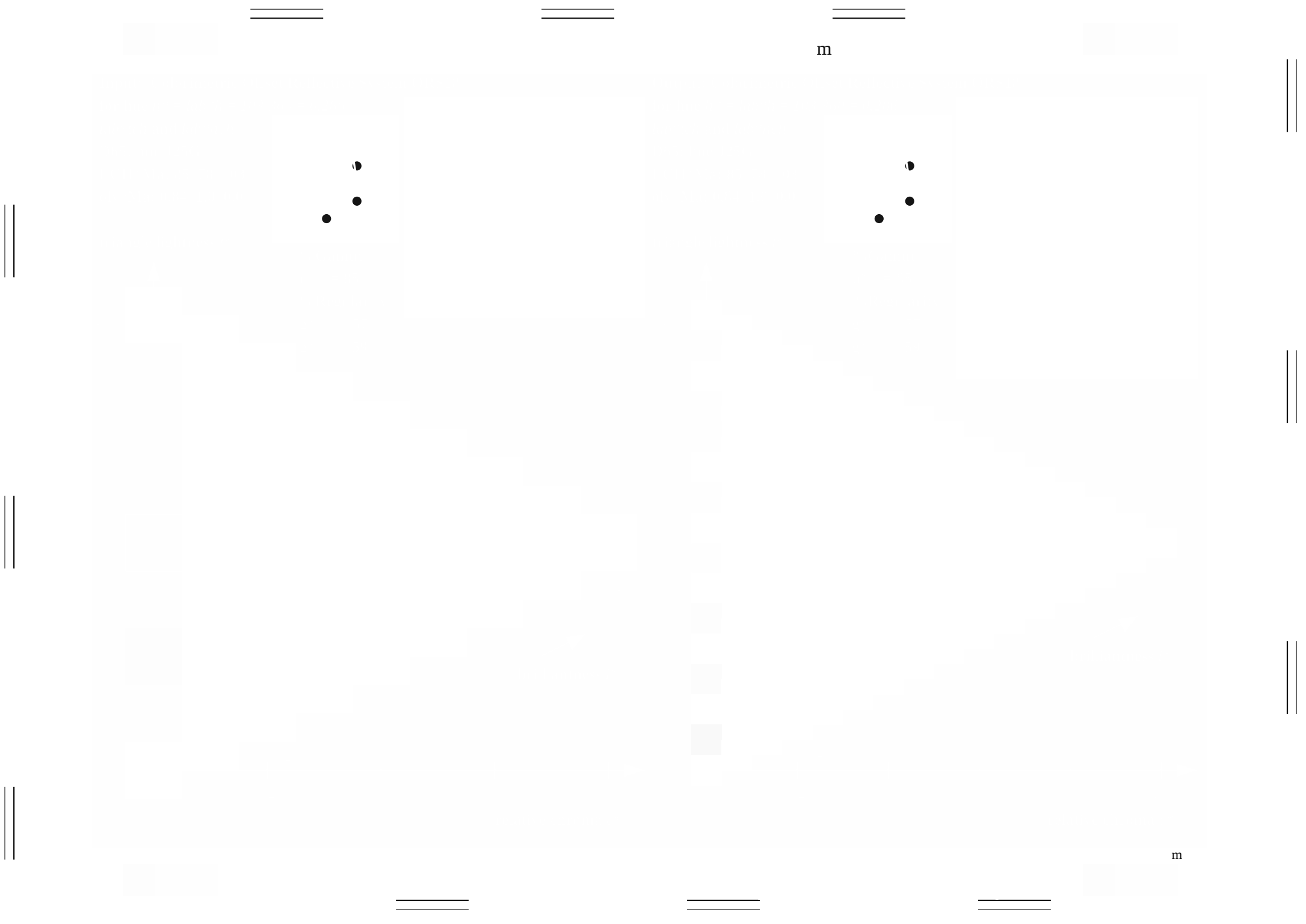
m

m



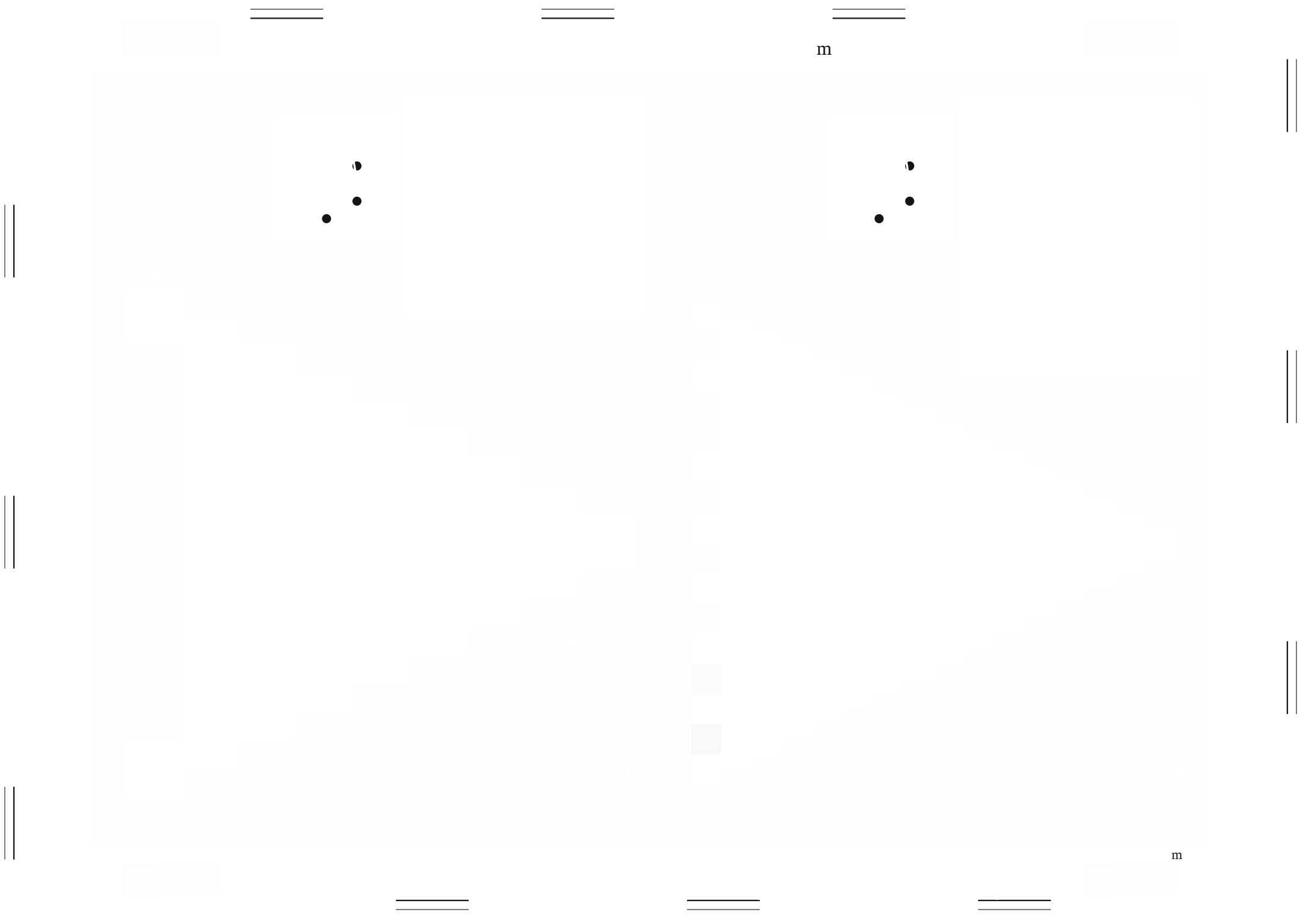
m





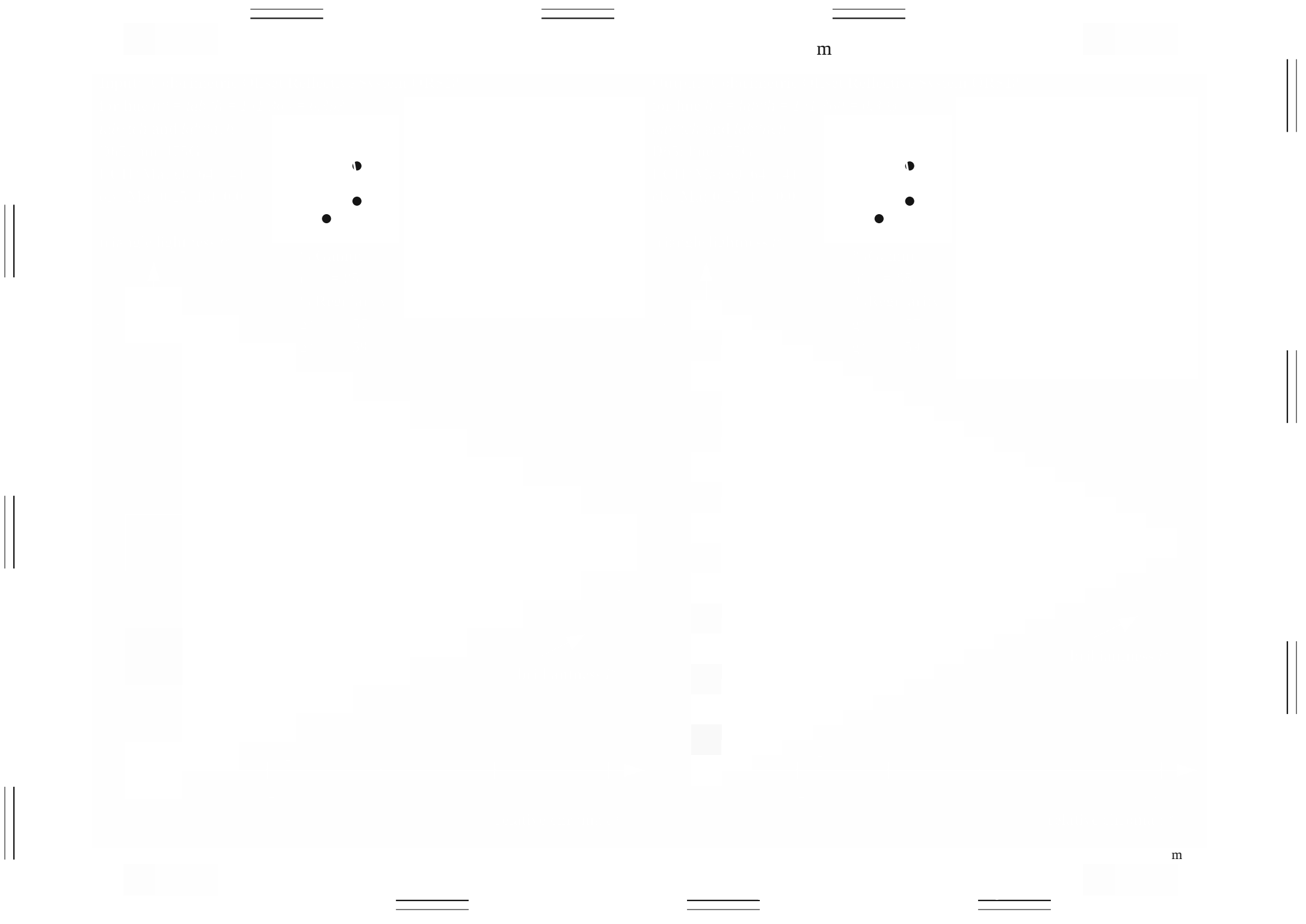
m

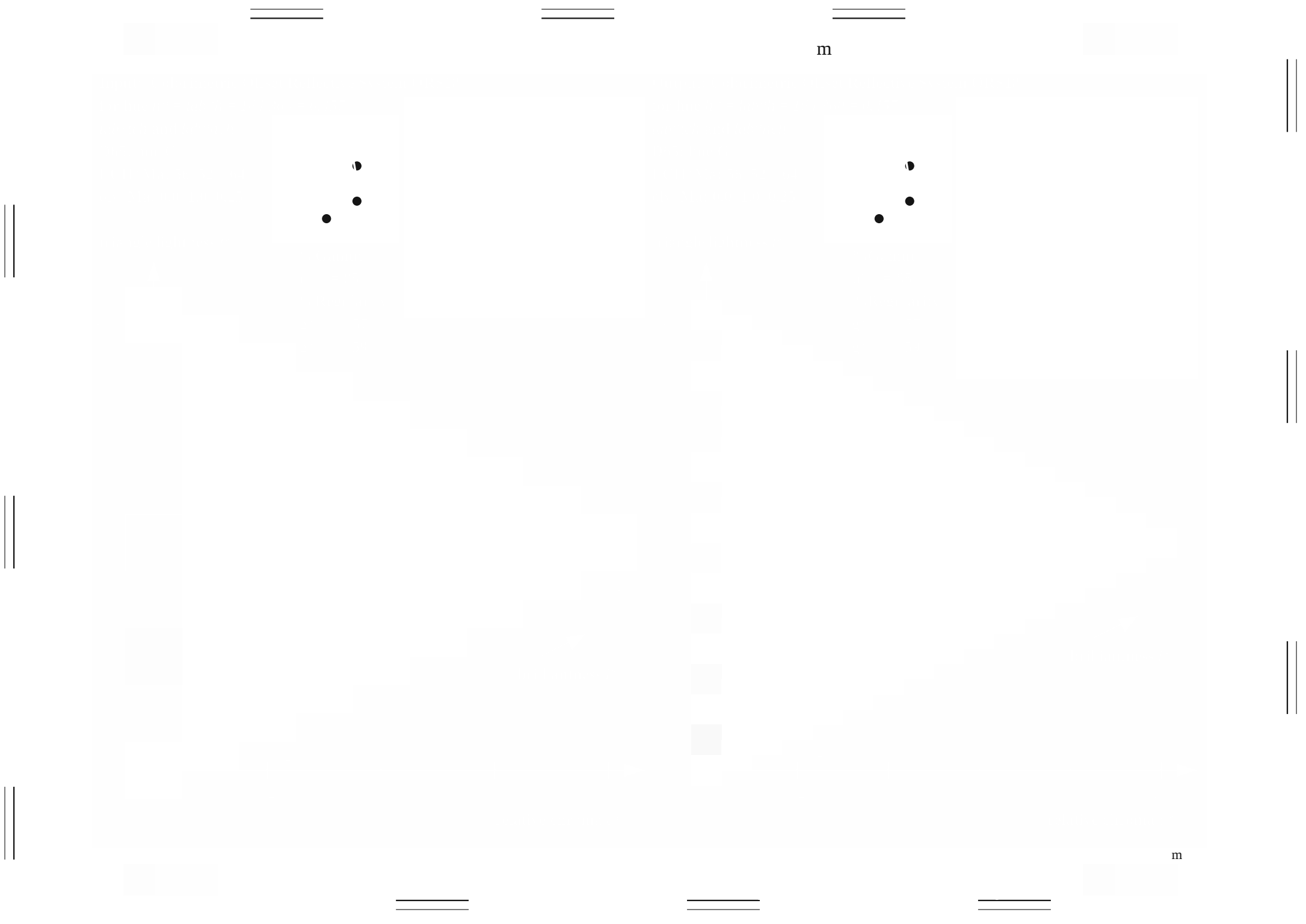
m

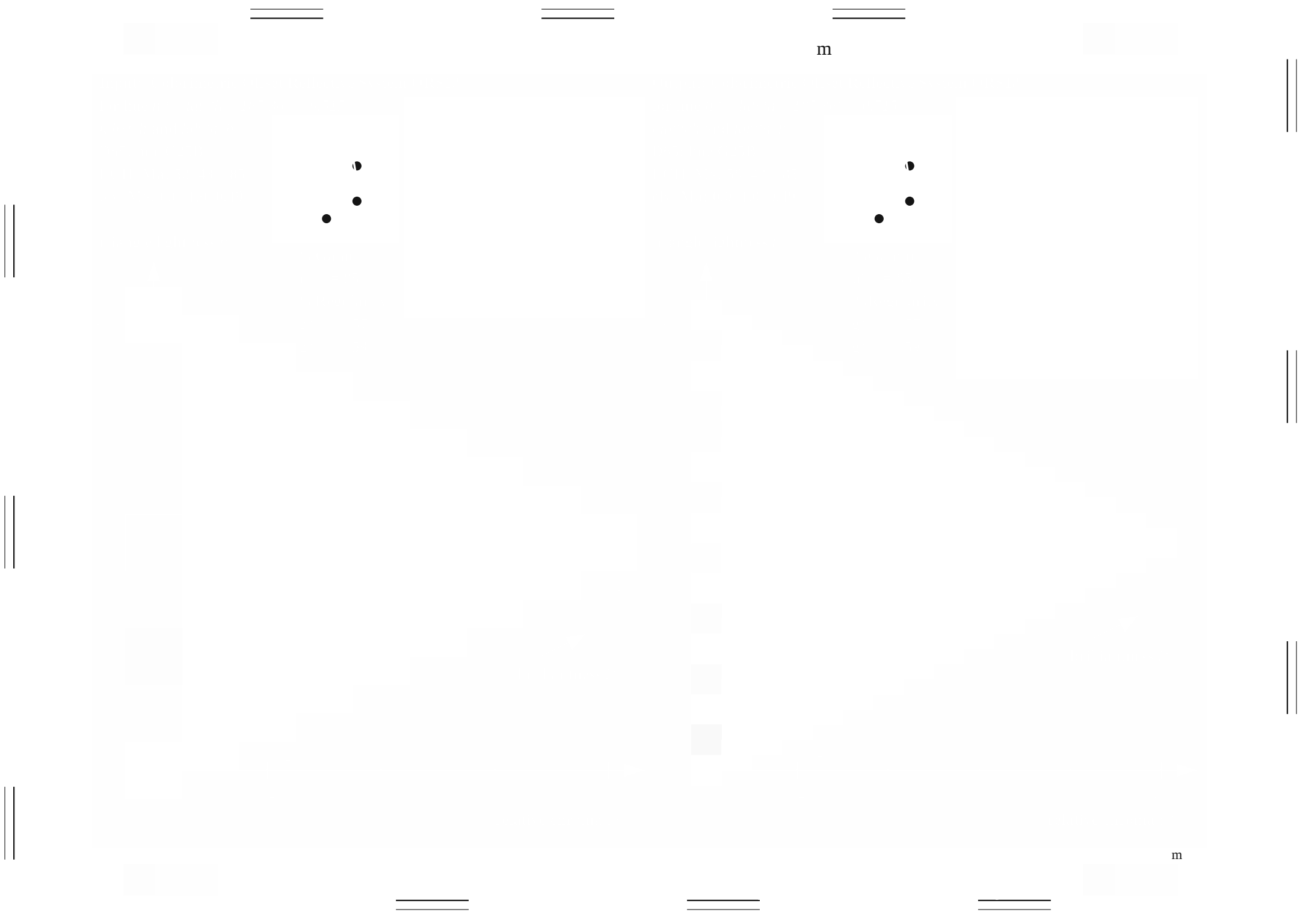


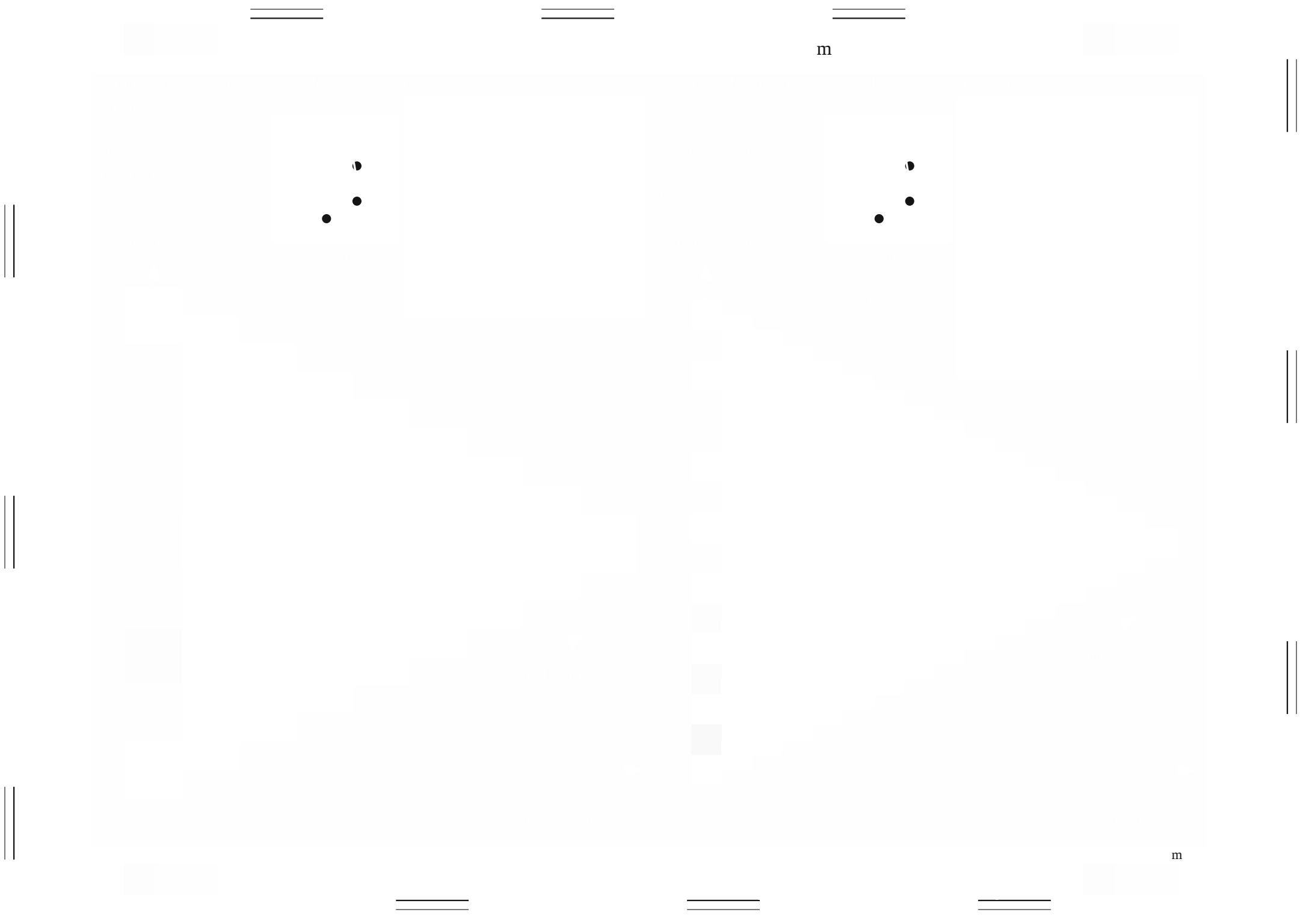
m

m



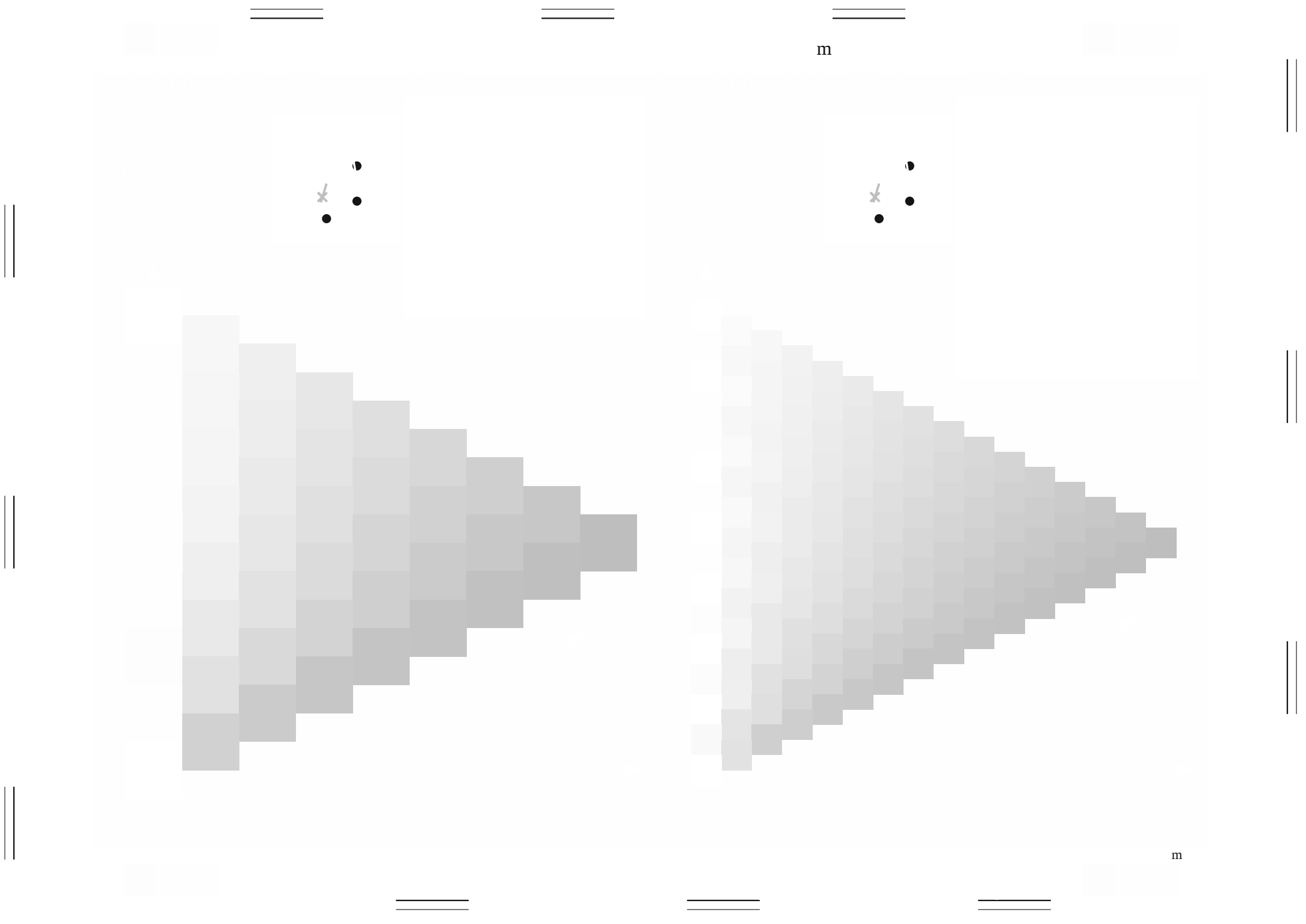




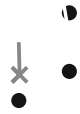


m

m

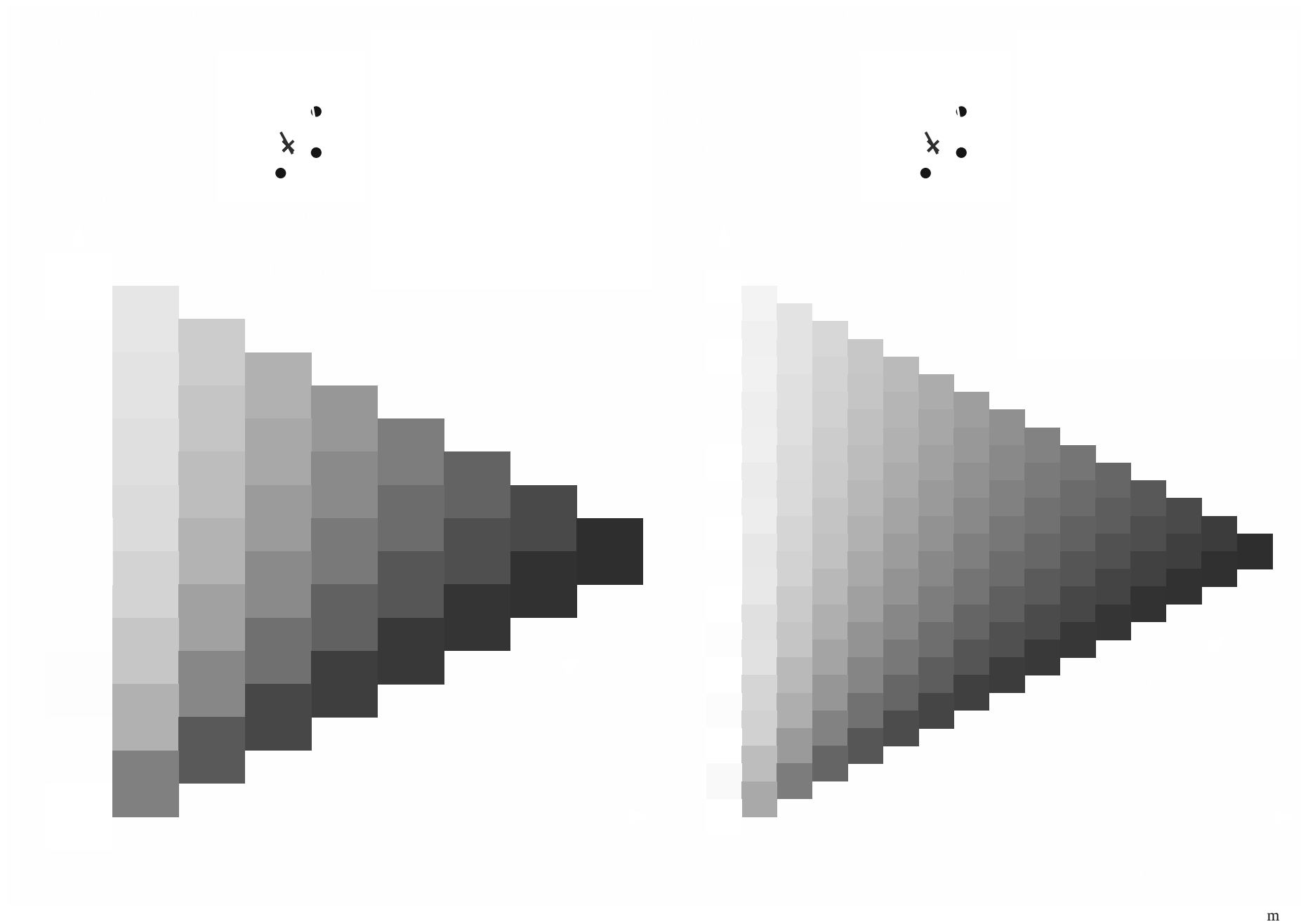


m

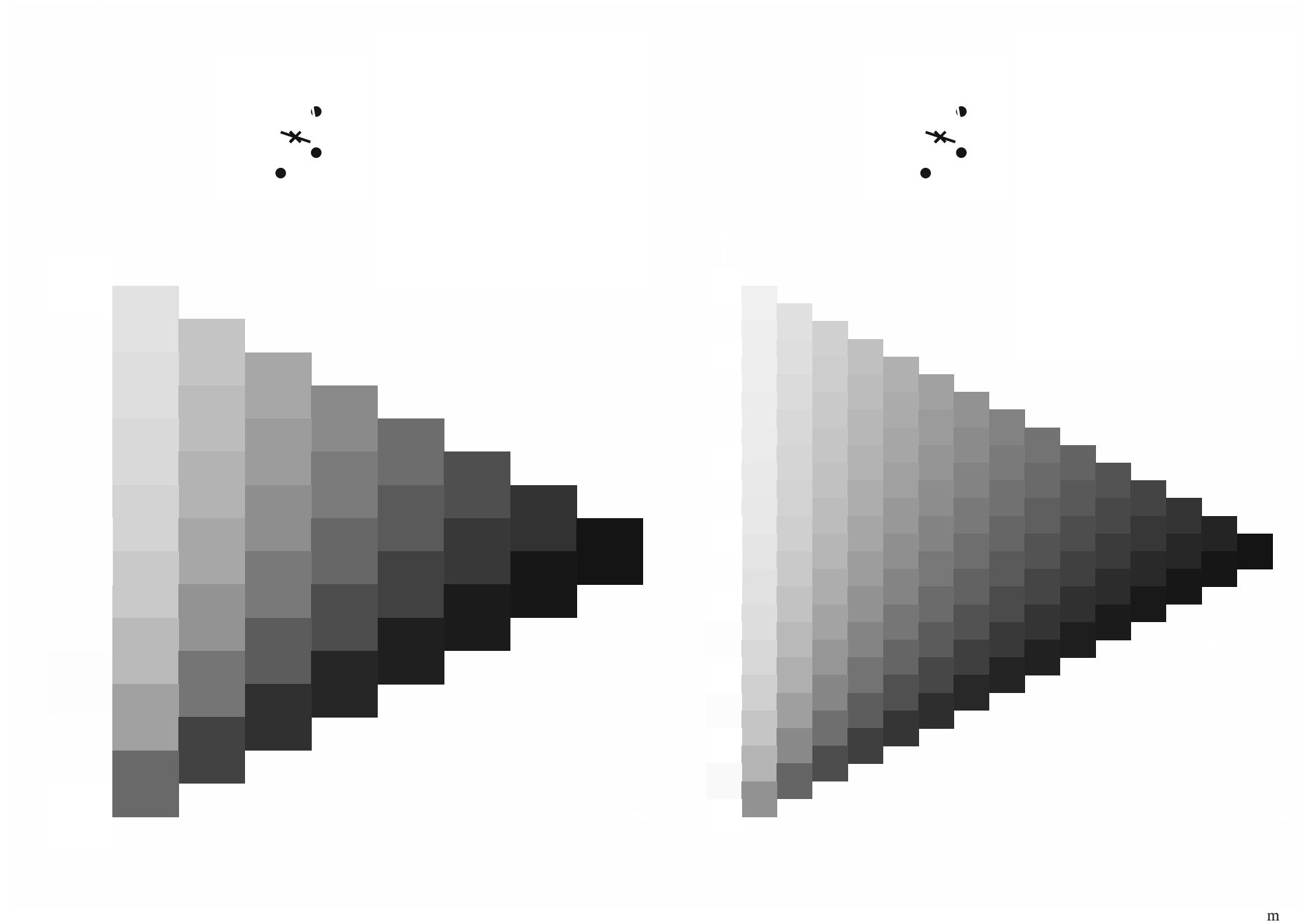


m

m

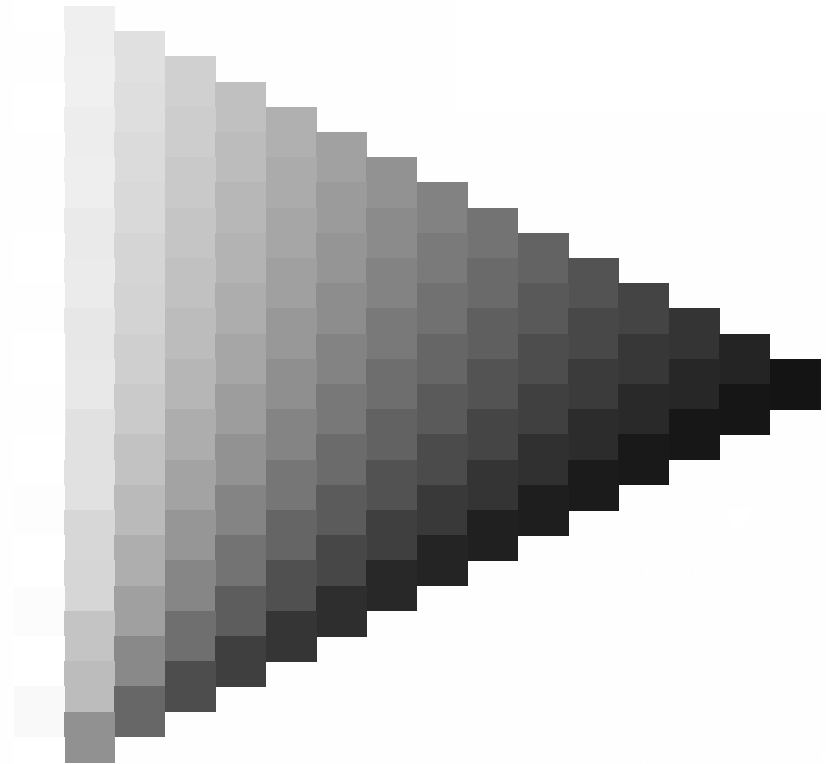
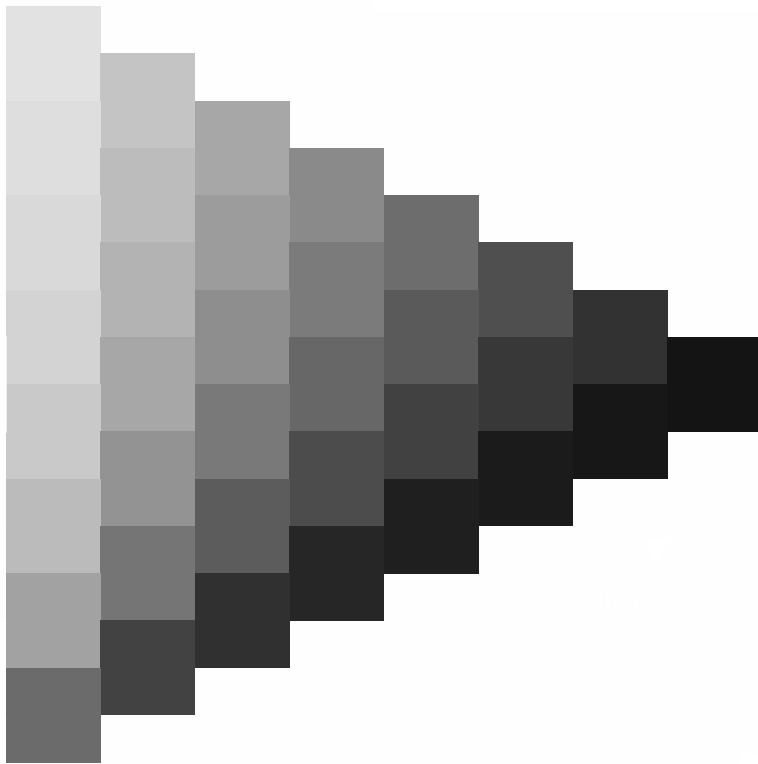


m

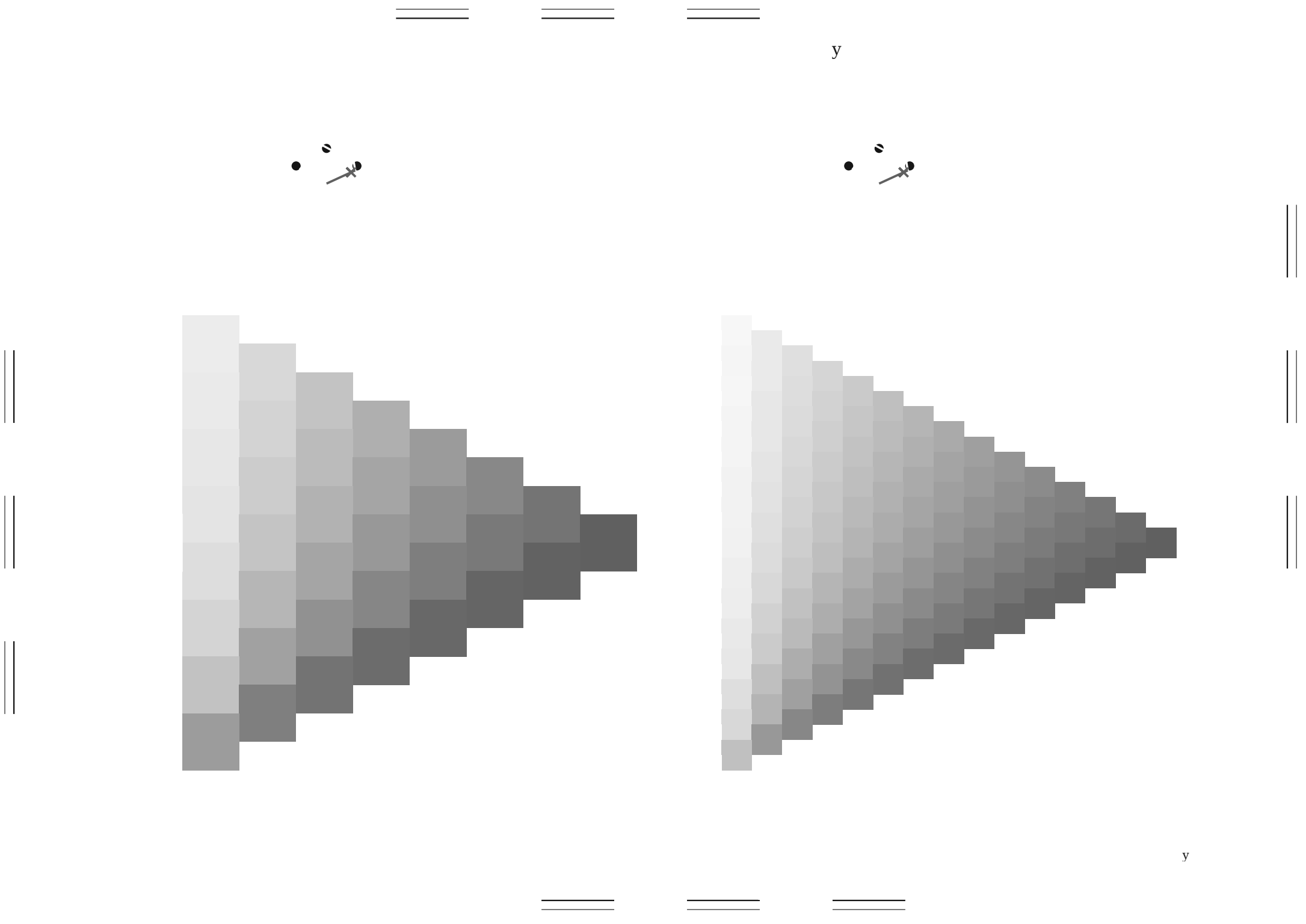


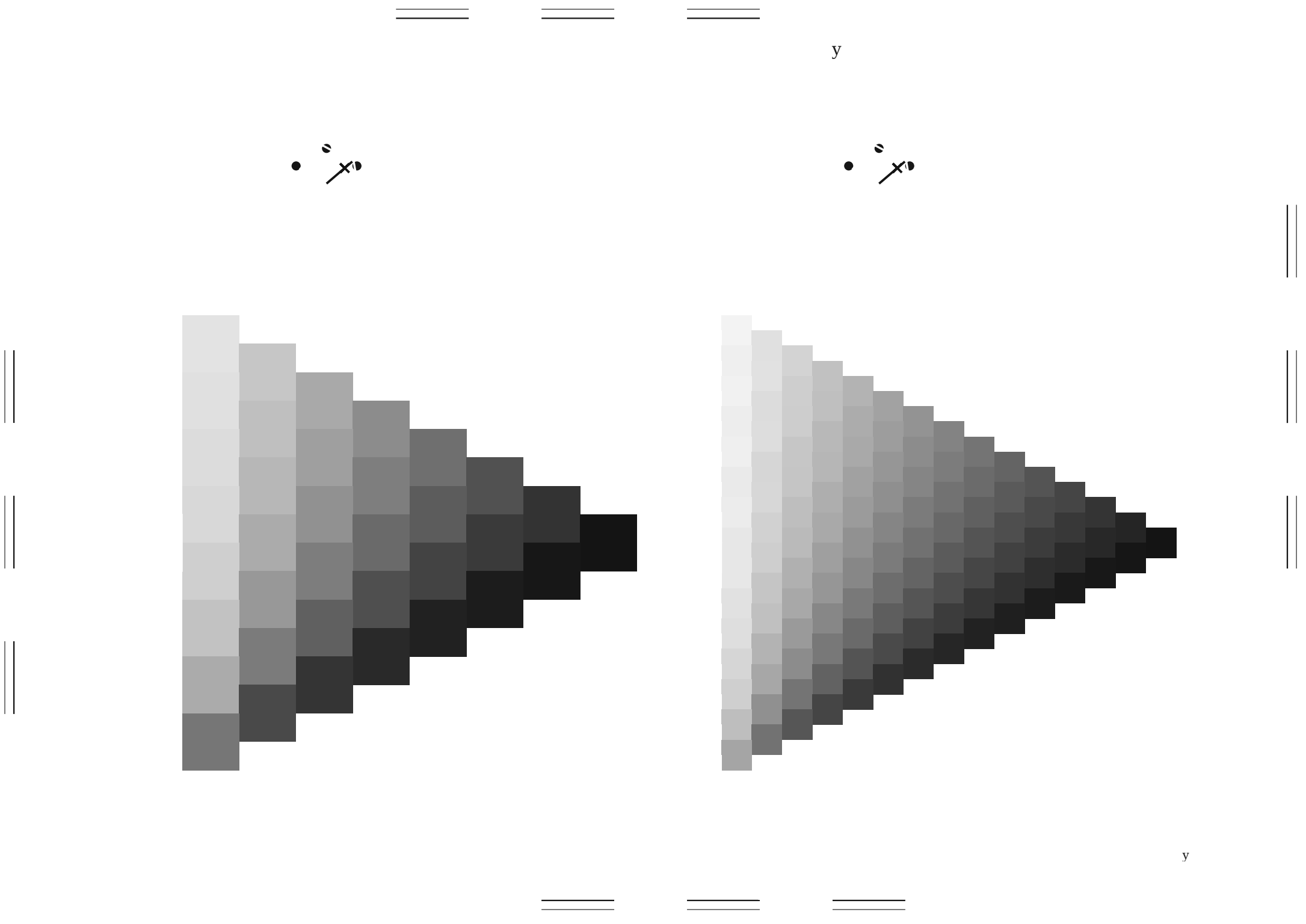
m

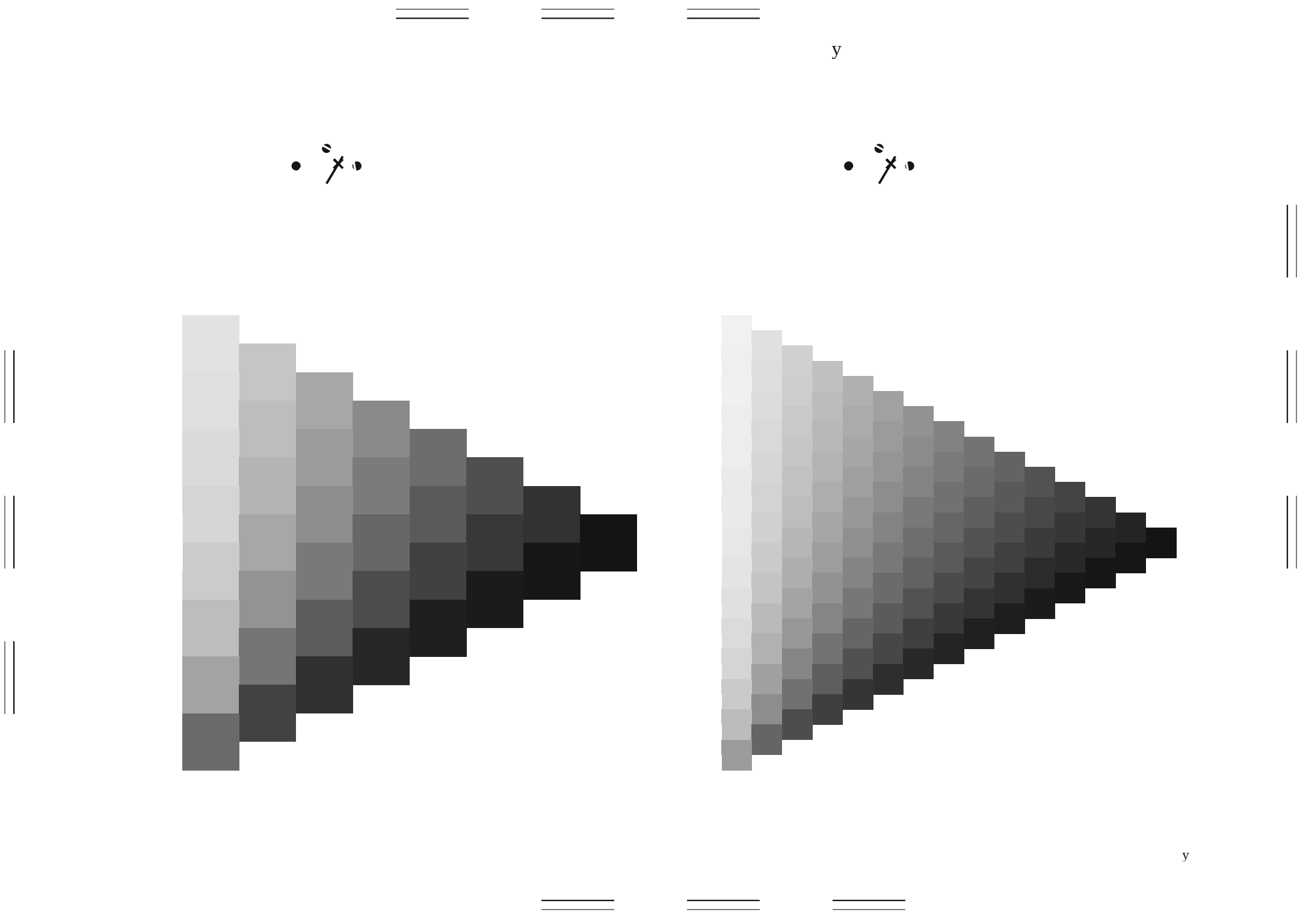
m

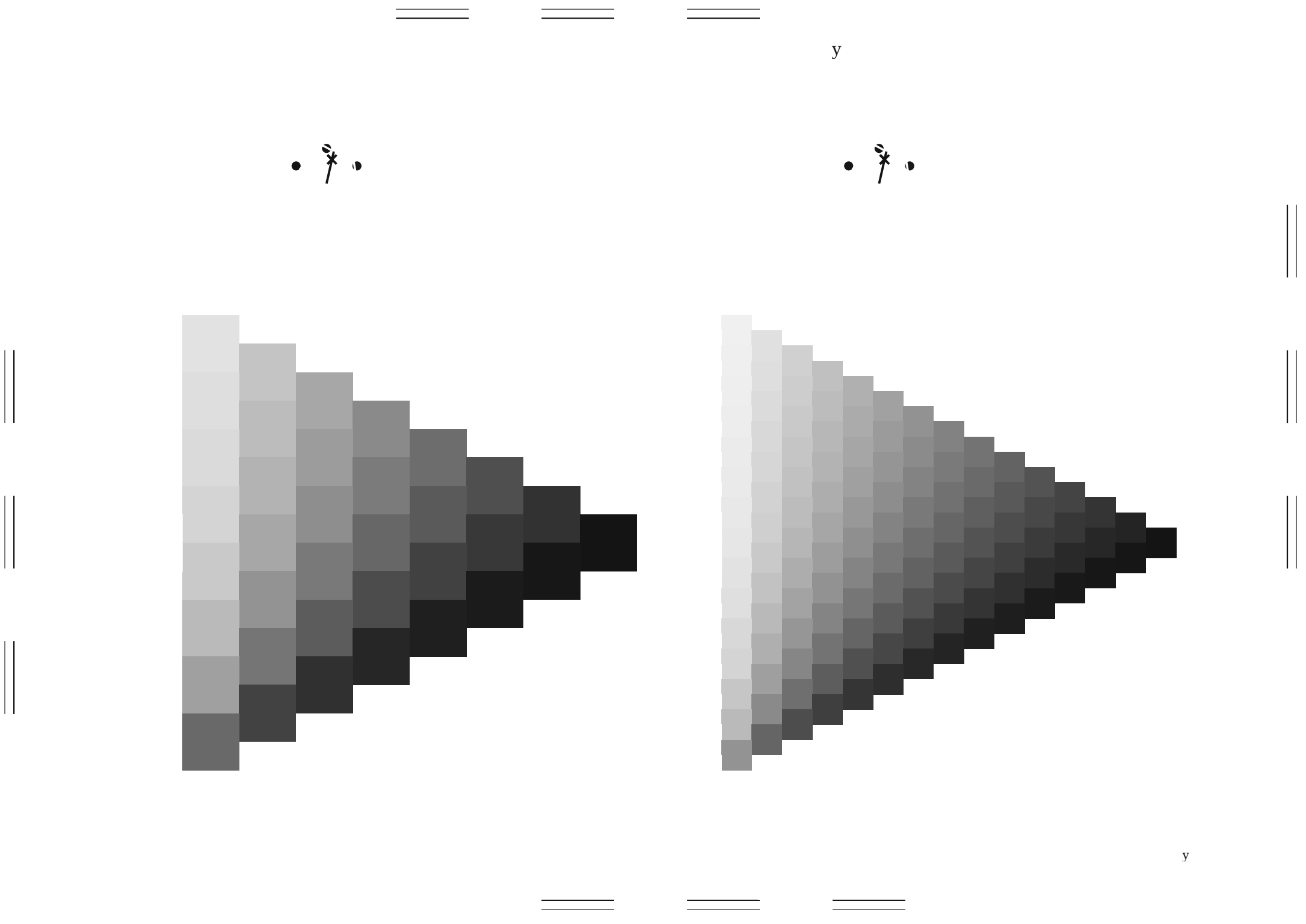


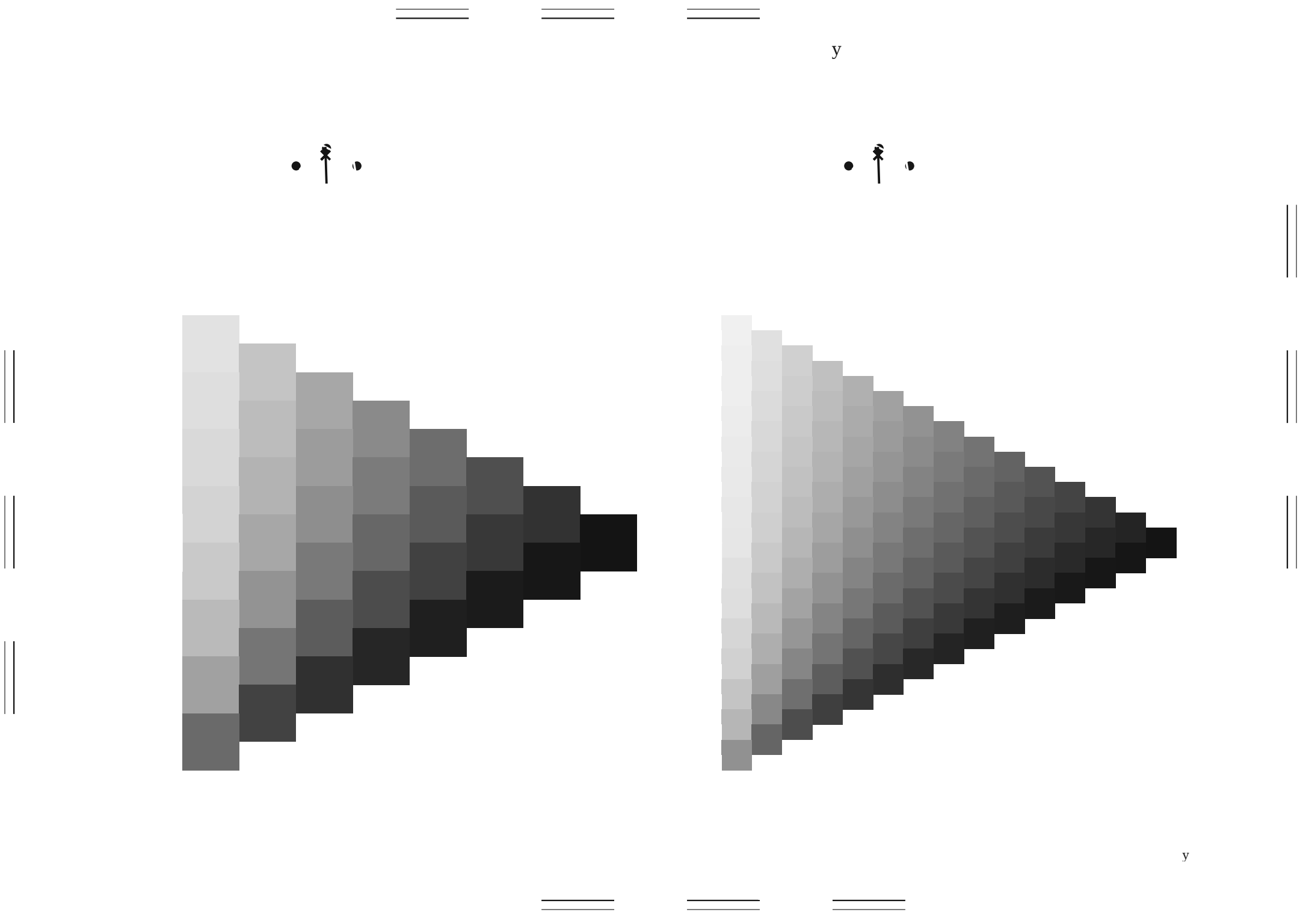
m

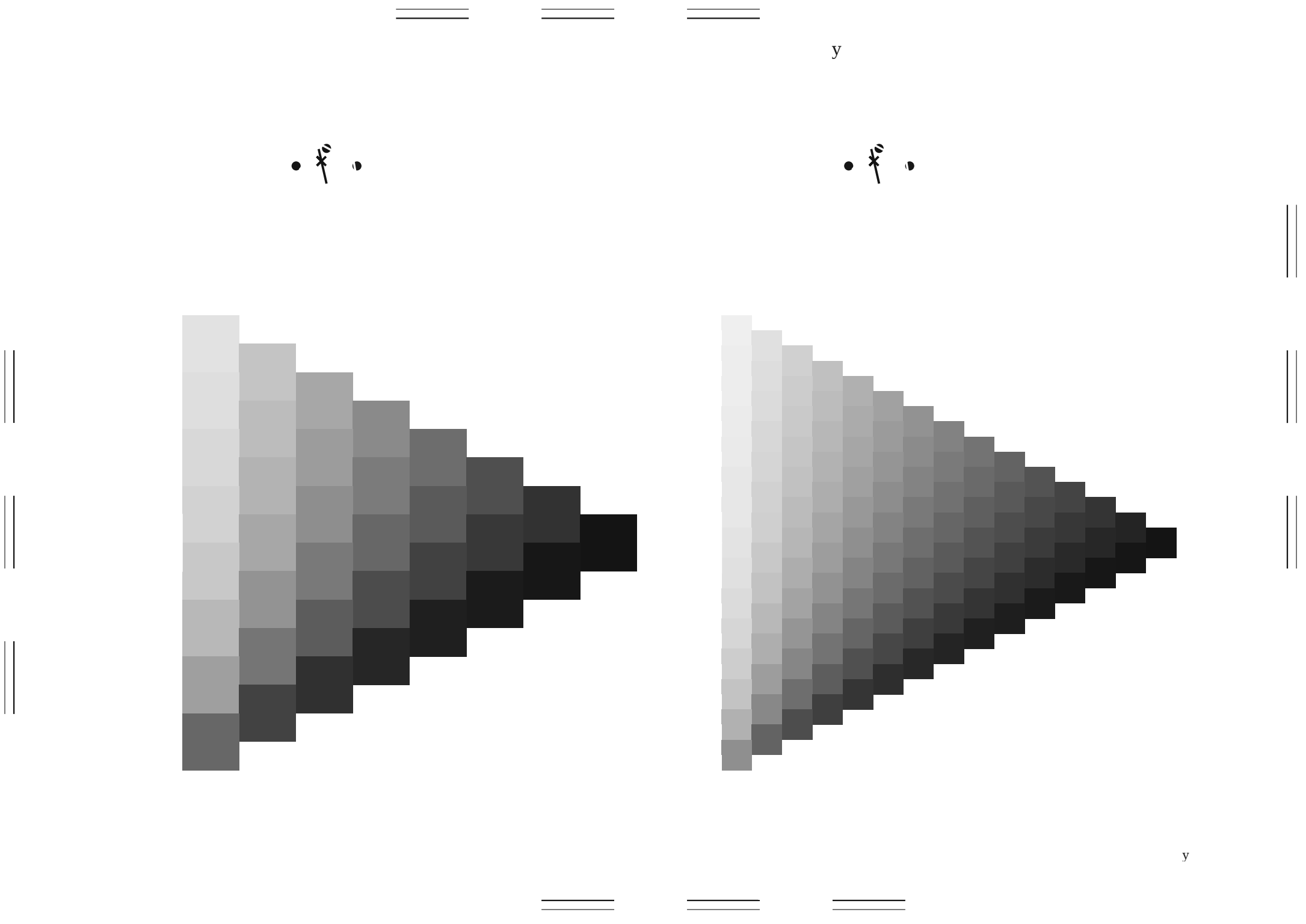


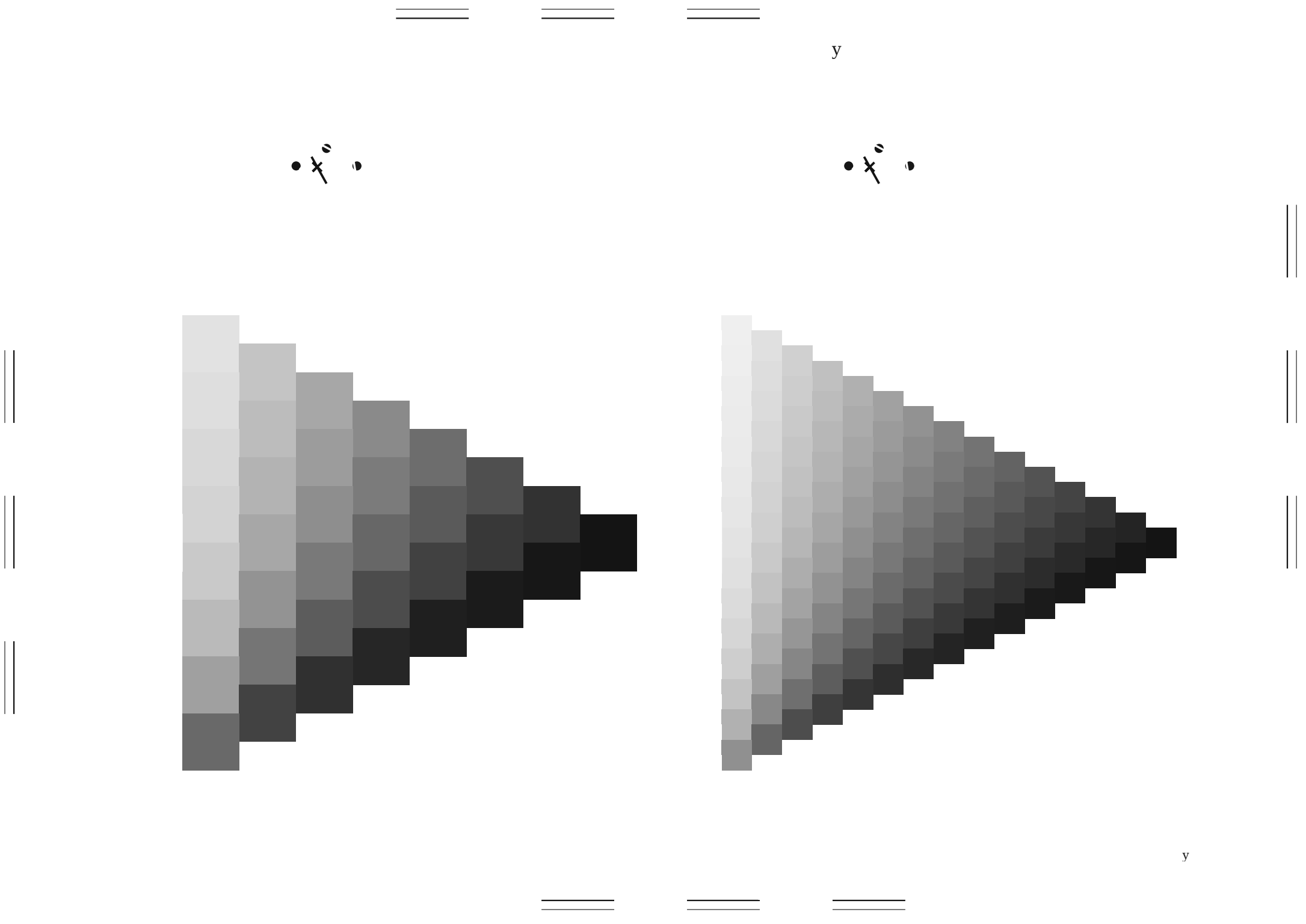


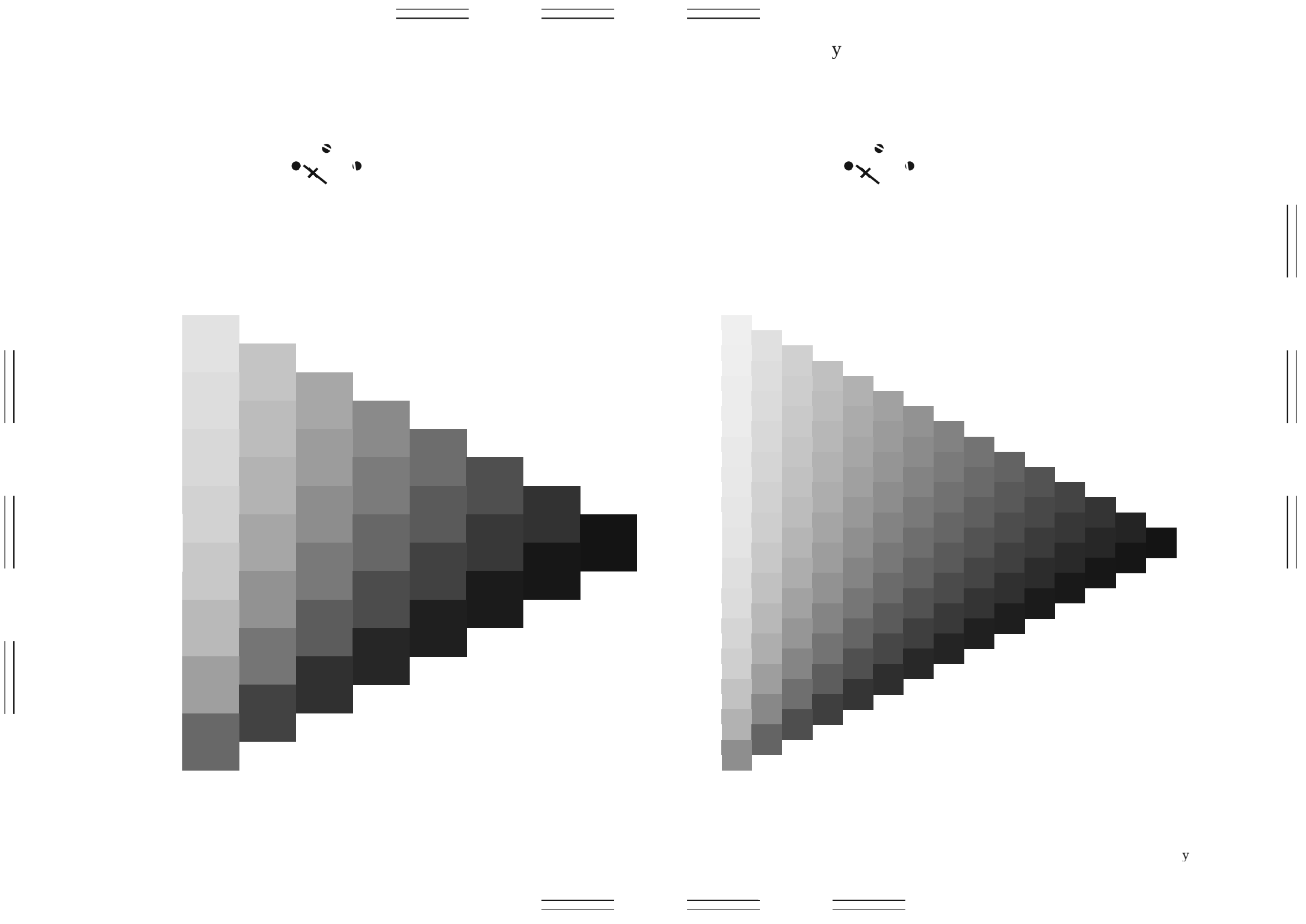


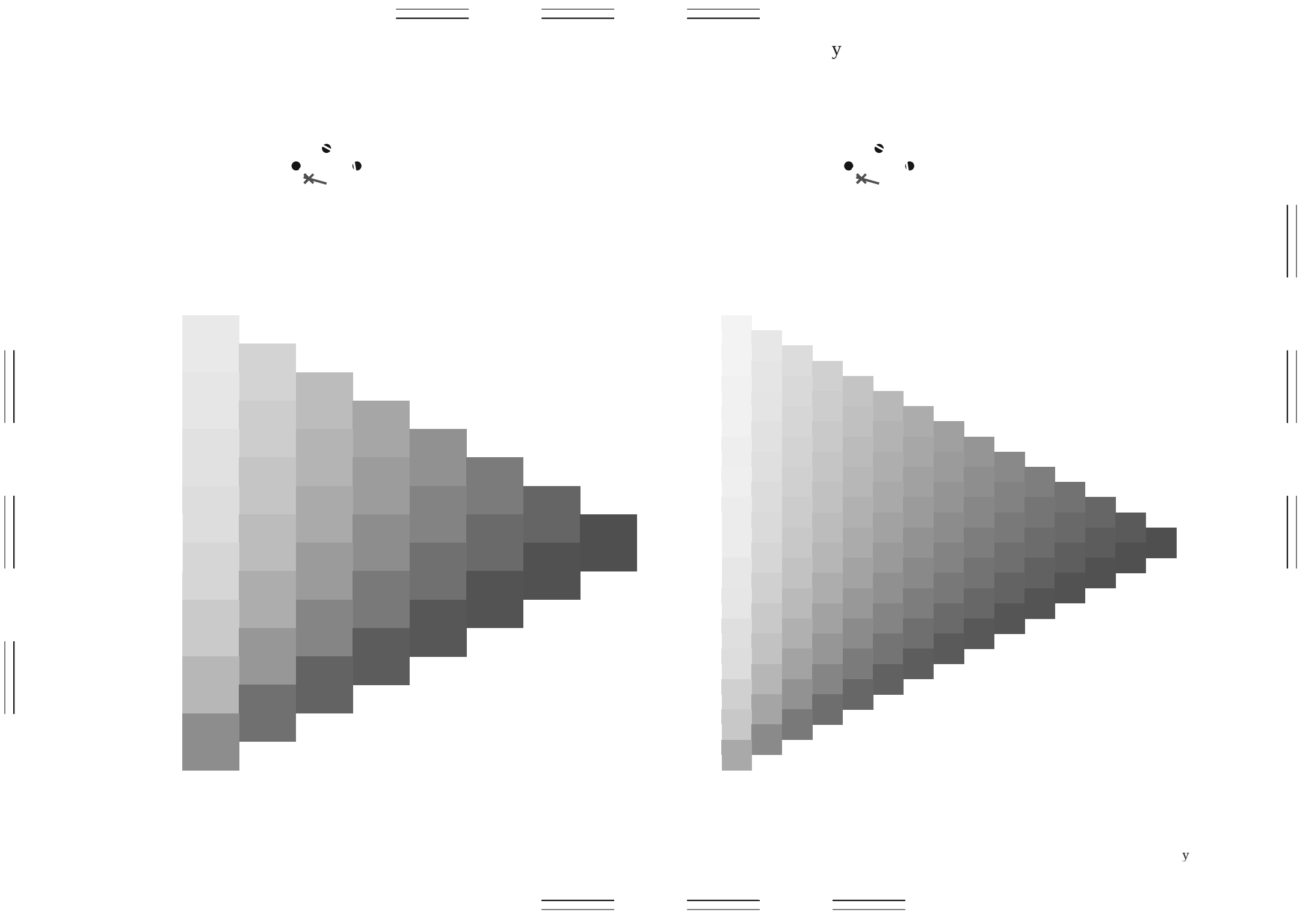


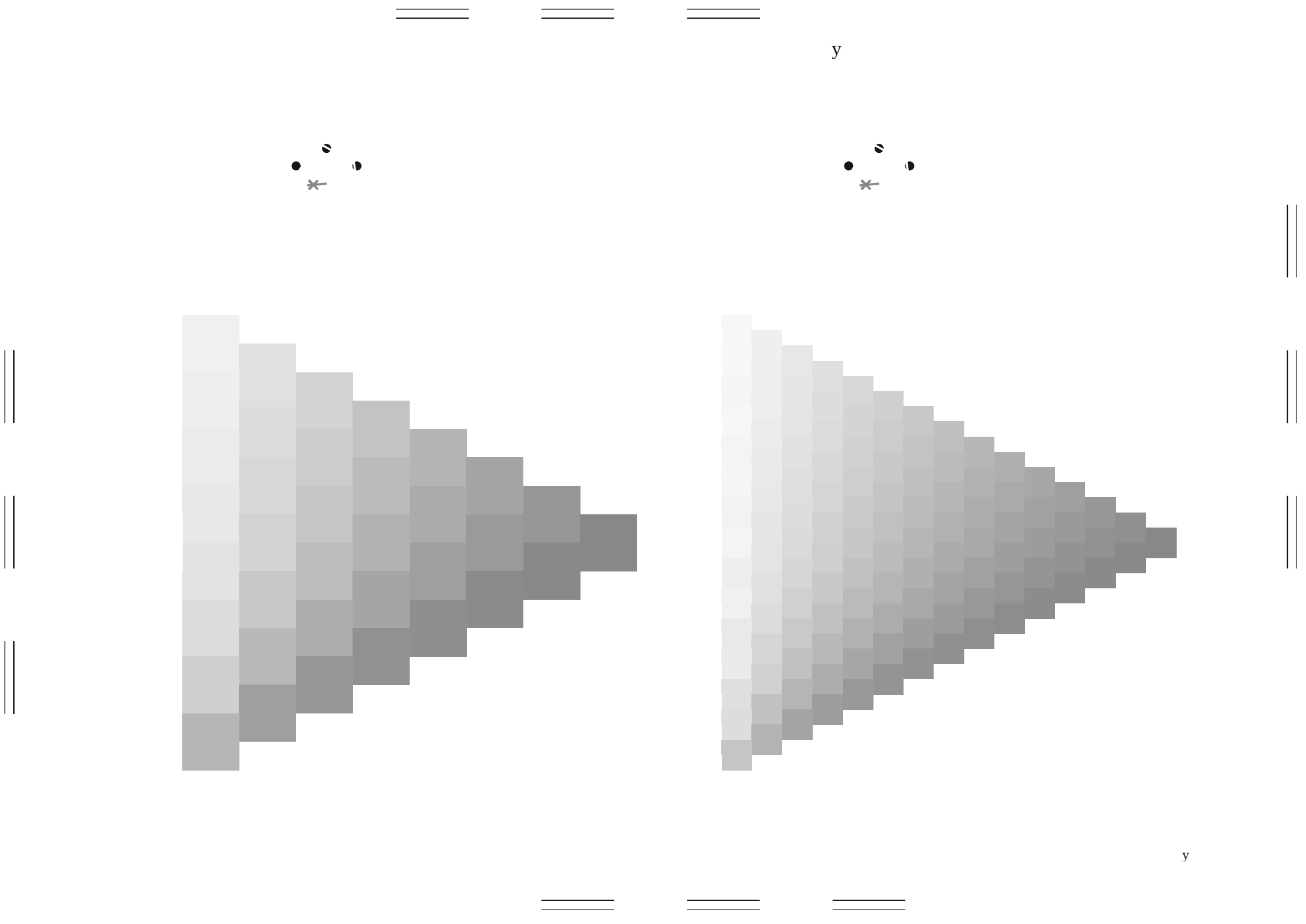


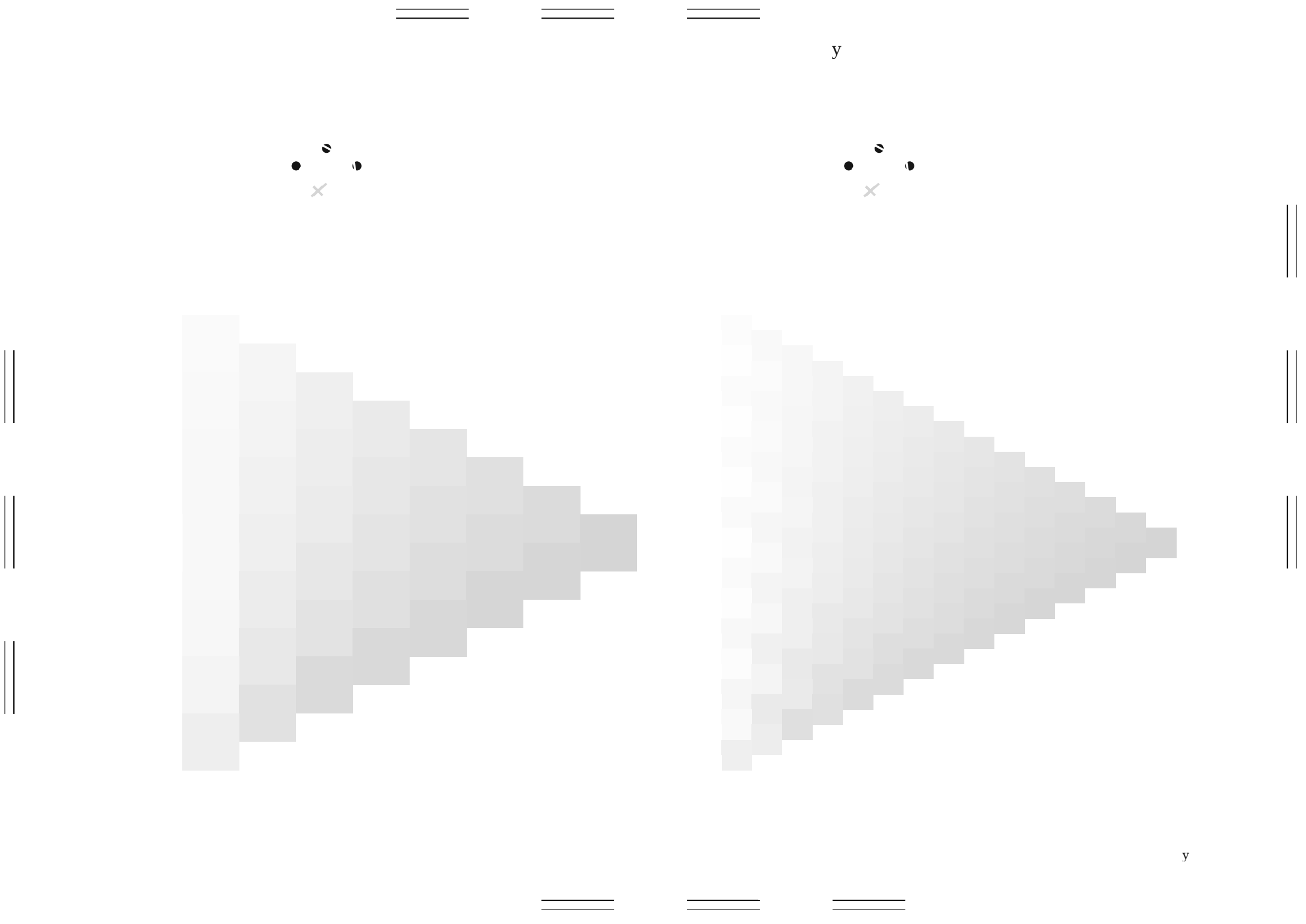


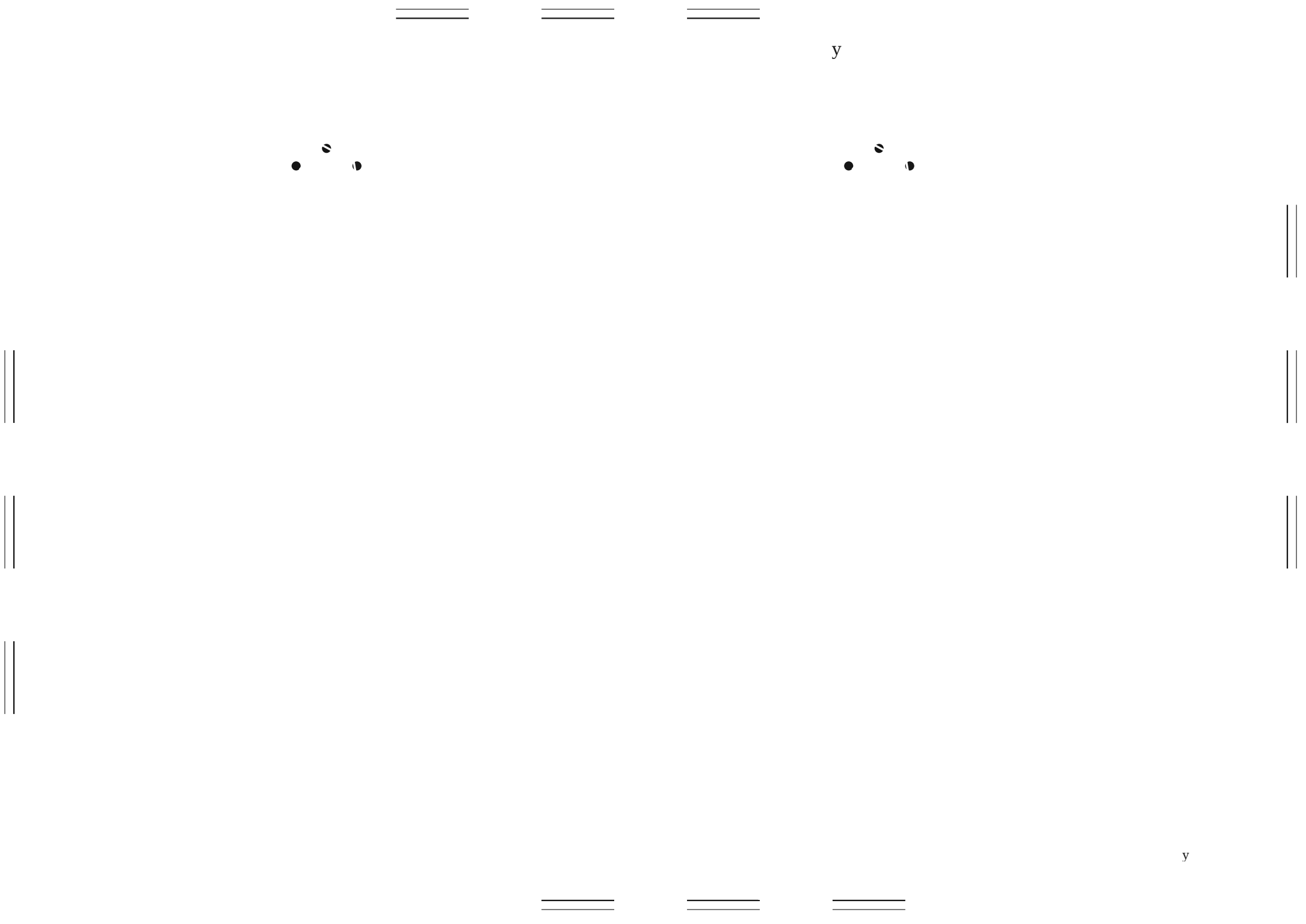


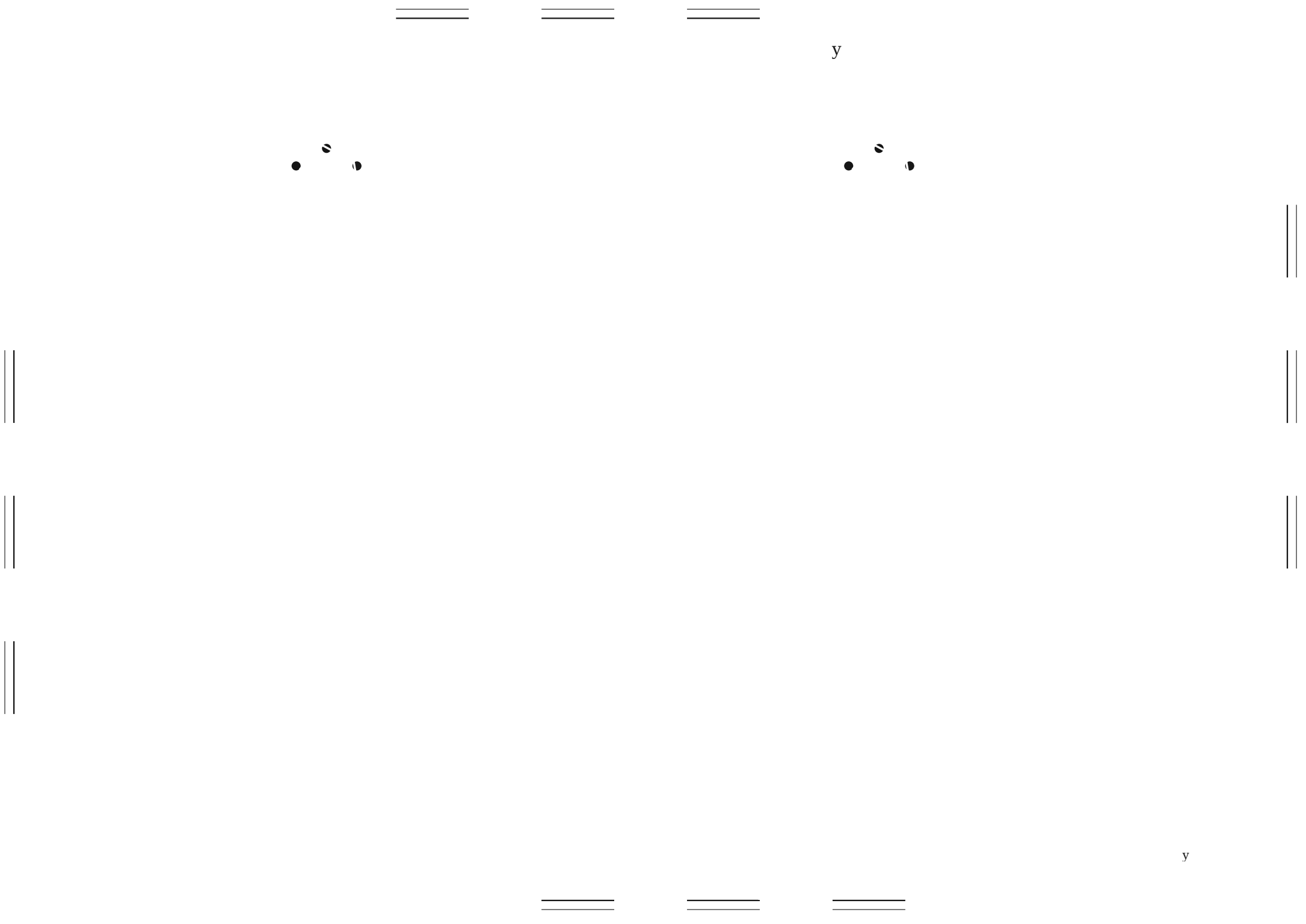


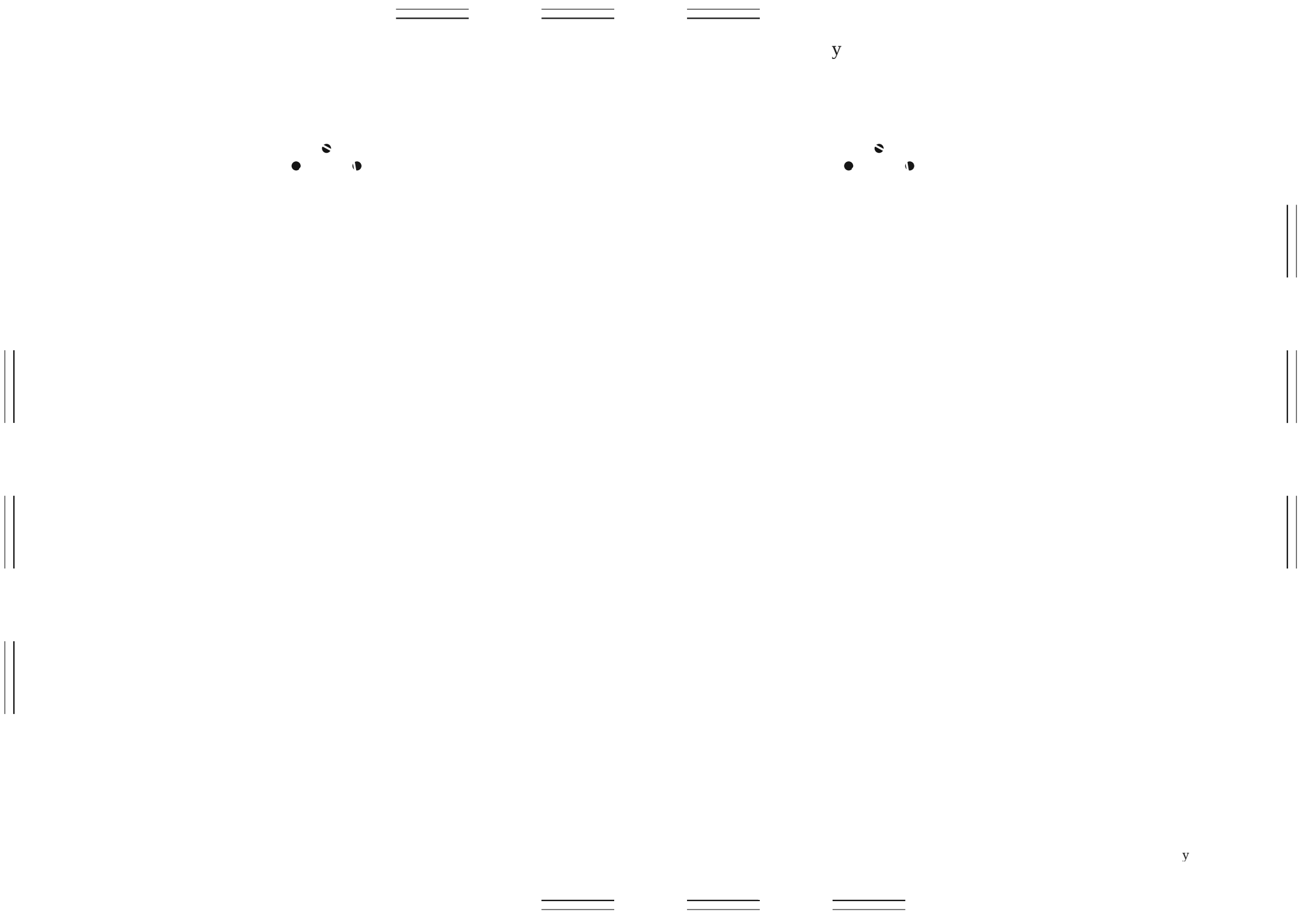


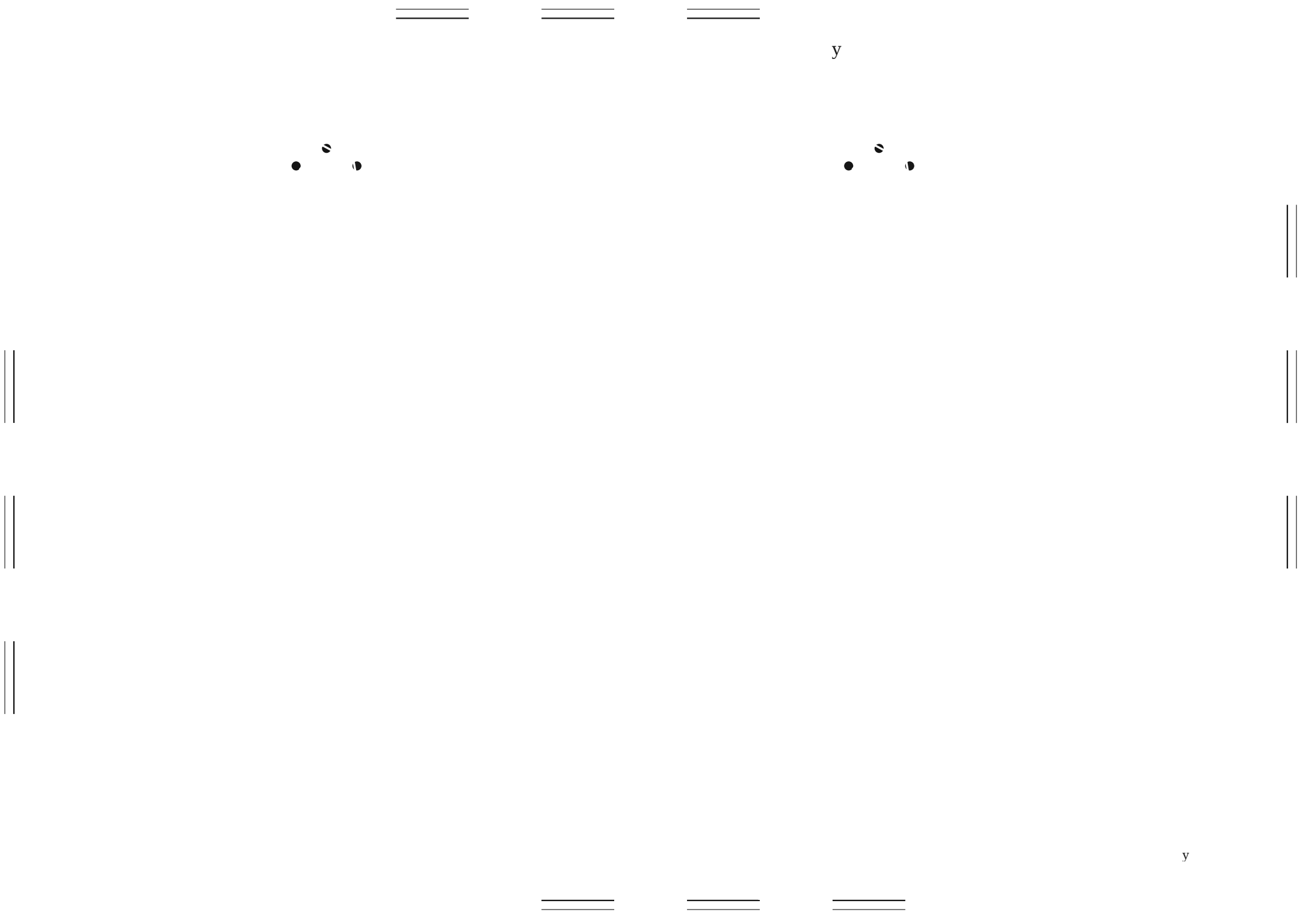


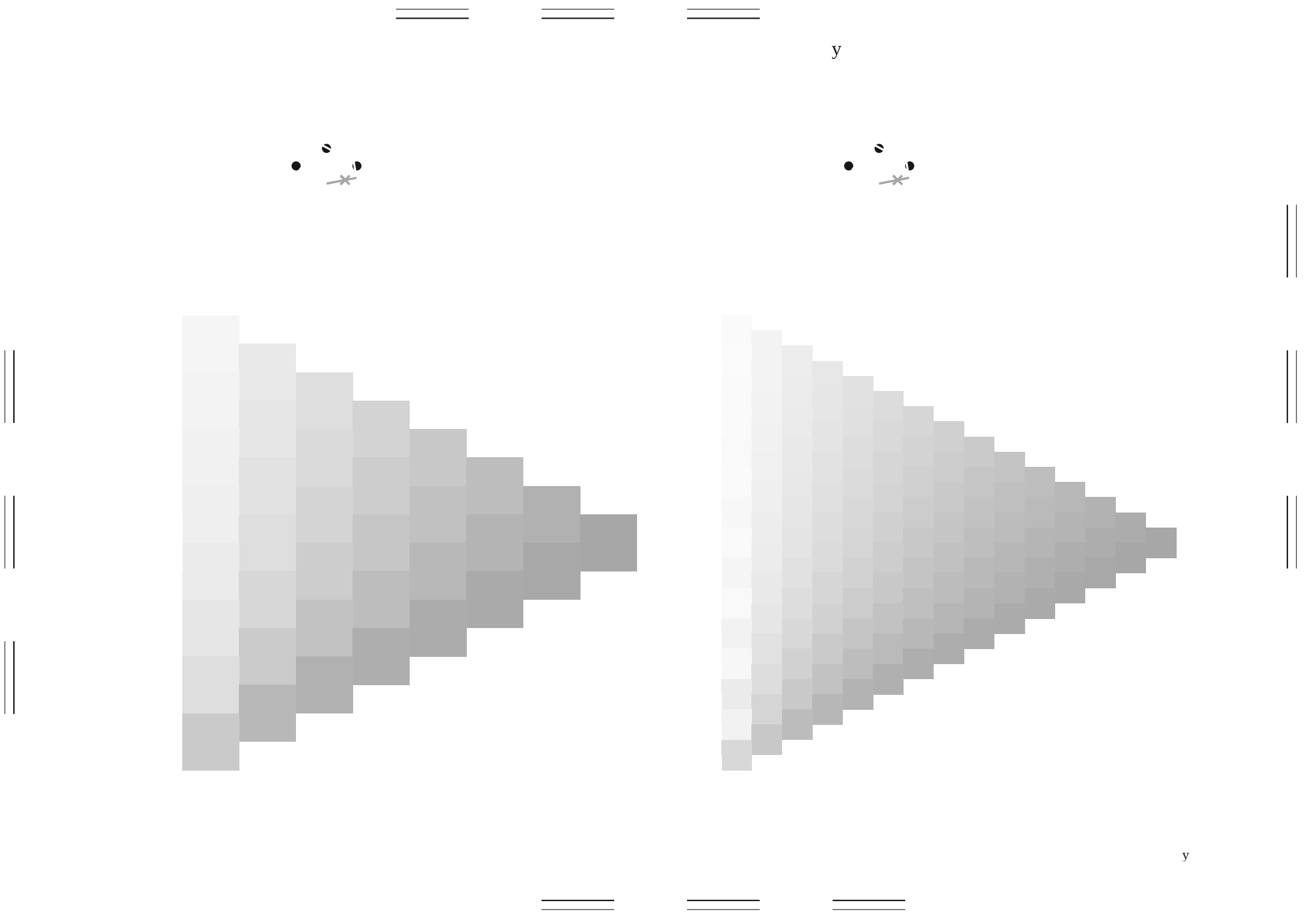












Input: Colorimetric Offset Reflective System ORS18

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

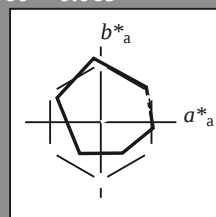
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 69 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

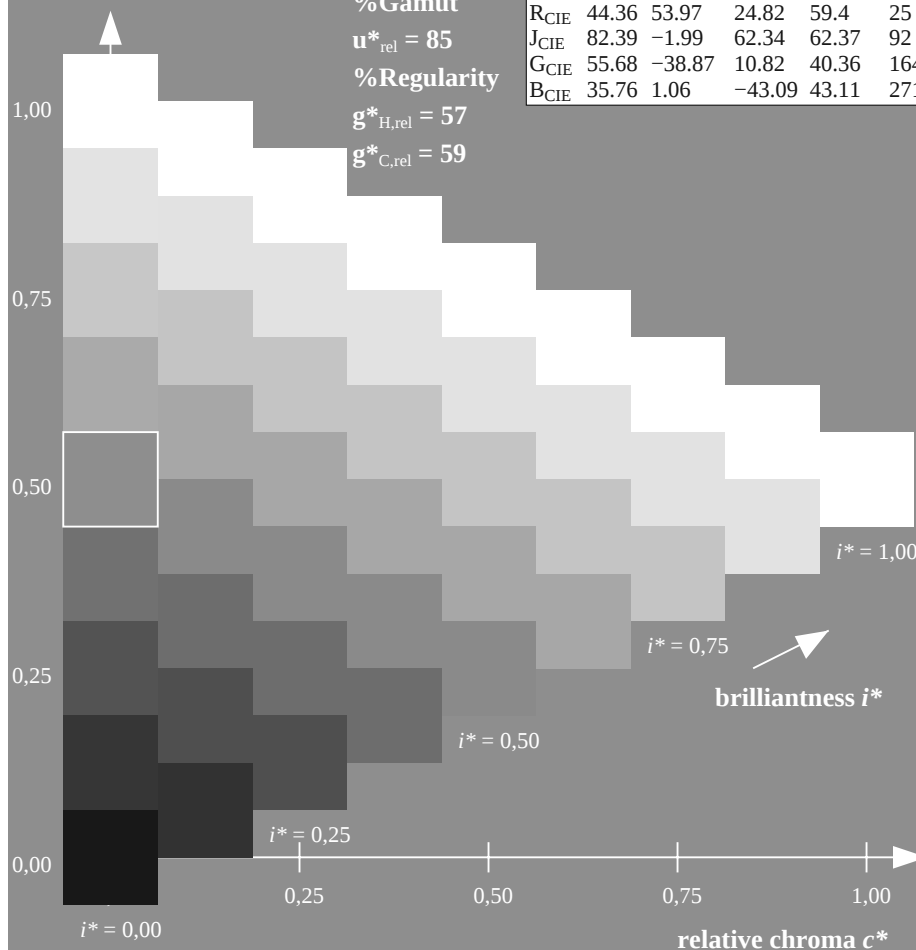
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 25/360 = 0.069 (left)

Page 81/96

BAM-test chart ZE92; Colorimetric systems, Page 81/96
D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

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

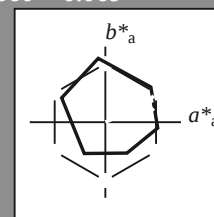
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 52 69 25

olv*Ma: 1.0 0.0 0.32

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

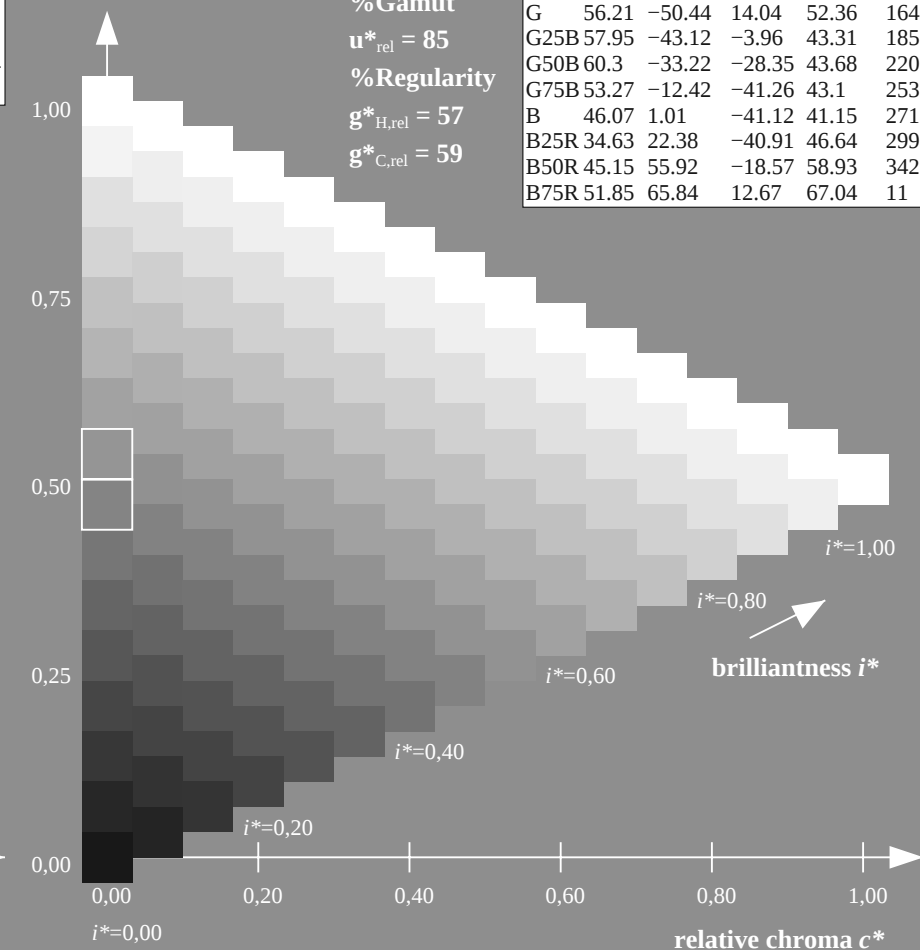
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 16 step scales for constant CIELAB hue 25/360 = 0.069 (right)

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 41/360 = 0.113$

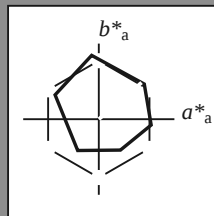
lab^*tch and lab^*nch

D65: hue R25J

LCH*Ma: 54 74 41

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 41/360 = 0.113$

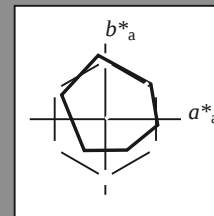
lab^*tch and lab^*nch

D65: hue R25J

LCH*Ma: 54 74 41

olv*Ma: 1.0 0.05 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

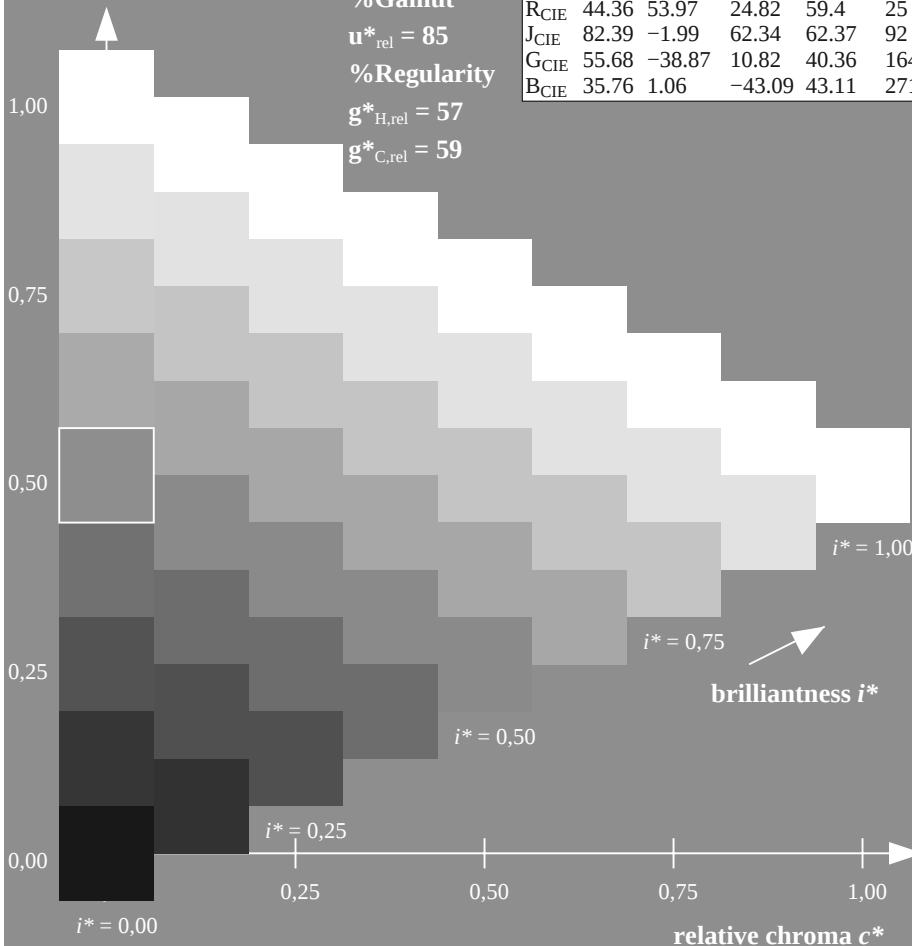
%Gamut

$u^*_{rel} = 85$

%Regularity

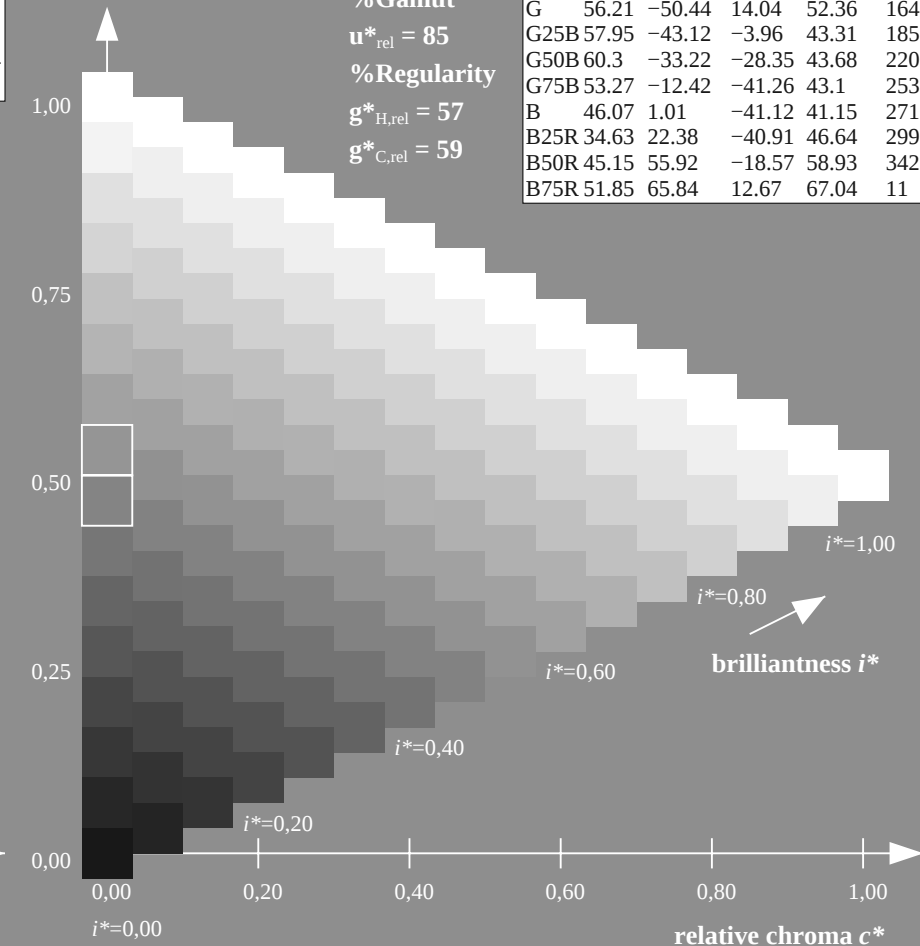
$g^*_{H,rel} = 57$

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



ZE920-7F, 9 step scales for constant CIELAB hue 41/360 = 0.113 (left)

BAM-test chart ZE92; Colorimetric systems, Page 82/96
D65: 9 and 16 step colour scales for 16 elementary hues



ZE920-7F, 16 step scales for constant CIELAB hue 41/360 = 0.113 (right)

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 59/360 = 0.164$

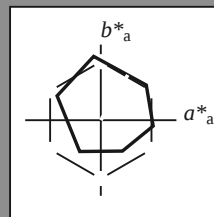
lab^*tch and lab^*nch

D65: hue R50J

LCH*Ma: 65 70 59

olv*Ma: 1.0 0.35 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

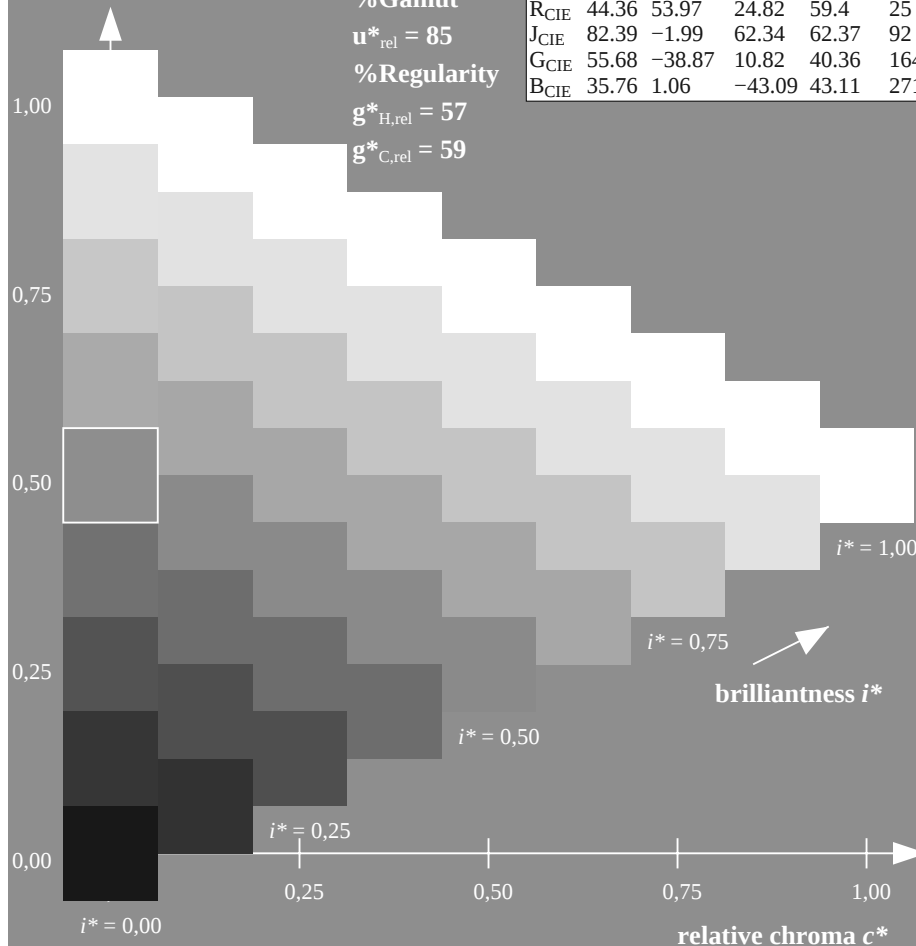
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 59/360 = 0.164 (left)

Page 83/96

BAM-test chart ZE92; Colorimetric systems, Page 83/96
D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 59/360 = 0.164$

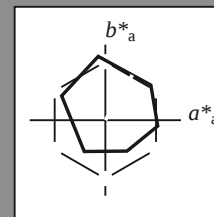
lab^*tch and lab^*nch

D65: hue R50J

LCH*Ma: 65 70 59

olv*Ma: 1.0 0.35 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

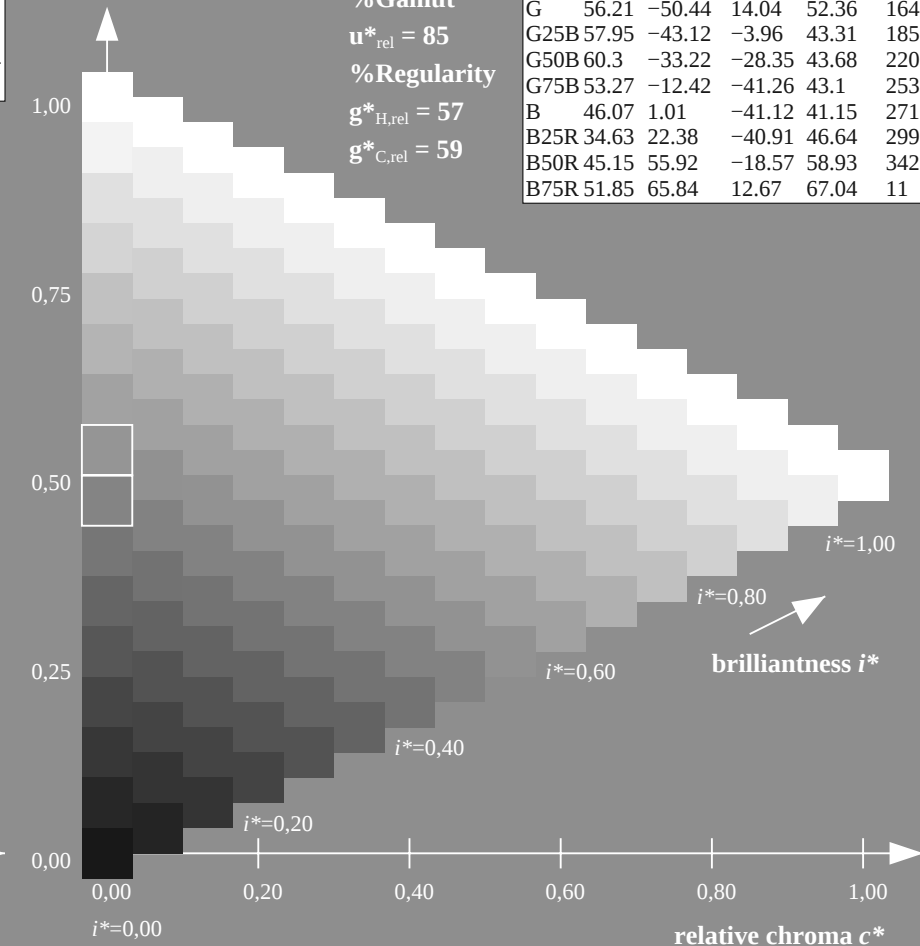
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 16 step scales for constant CIELAB hue 59/360 = 0.164 (right)

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 77/360 = 0.215$

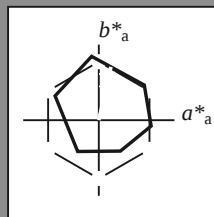
lab^*tch and lab^*nch

D65: hue R75J

LCH*Ma: 77 72 77

olv*Ma: 1.0 0.63 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

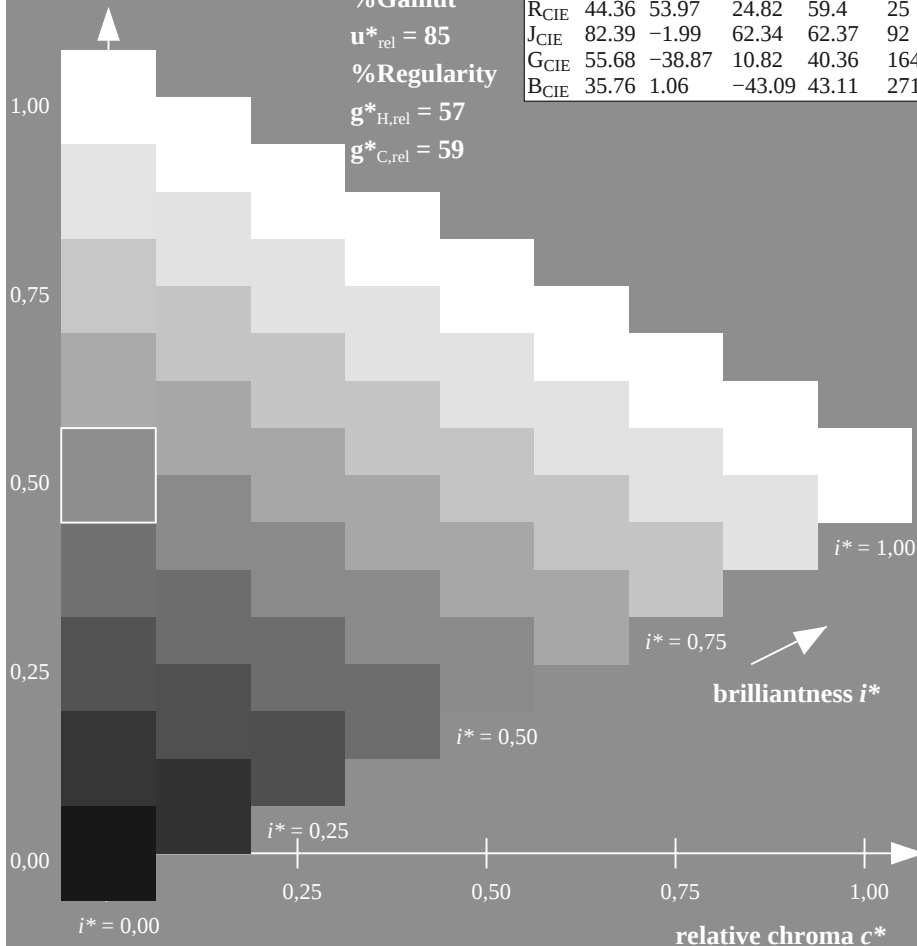
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 77/360 = 0.215 (left)

BAM-test chart ZE92; Colorimetric systems, Page 84/96
D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 77/360 = 0.215$

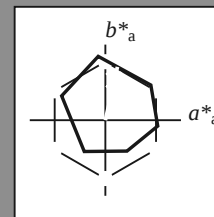
lab^*tch and lab^*nch

D65: hue R75J

LCH*Ma: 77 72 77

olv*Ma: 1.0 0.63 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

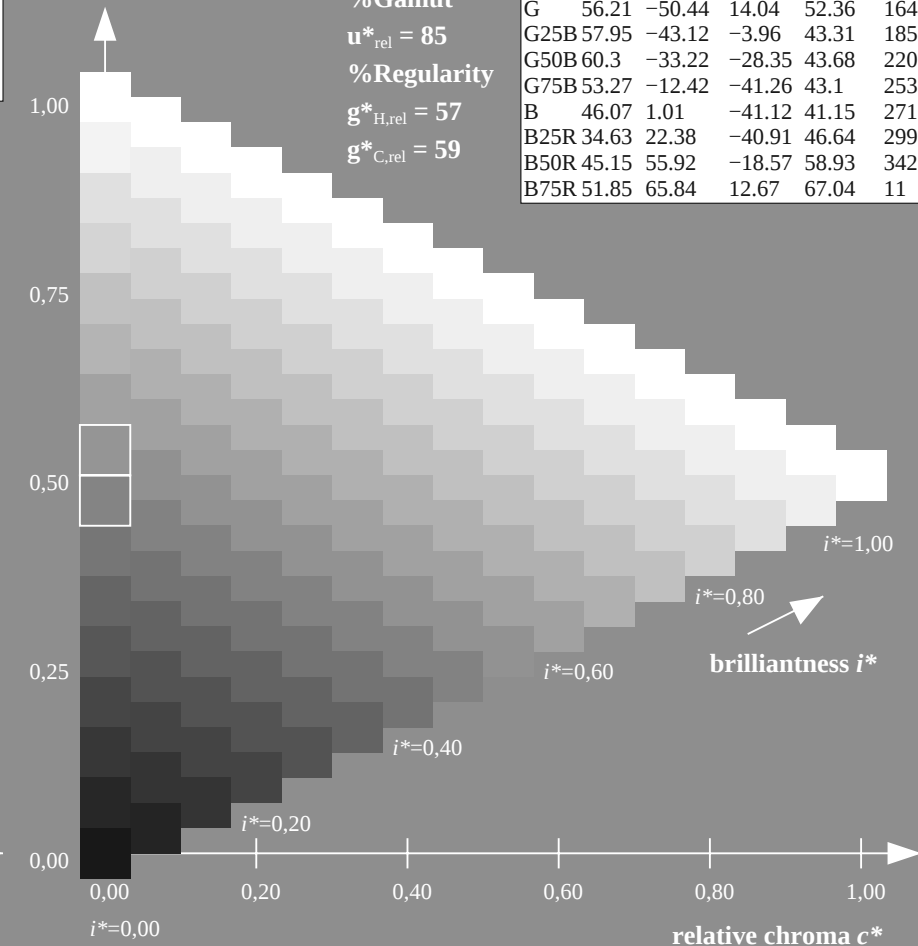
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 16 step scales for constant CIELAB hue 77/360 = 0.215 (right)

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

Input: Colorimetric Offset Reflective System ORS18

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

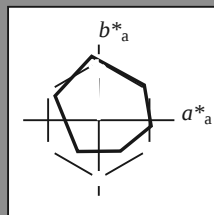
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 87 81 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

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

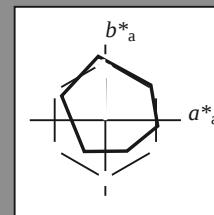
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 87 81 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

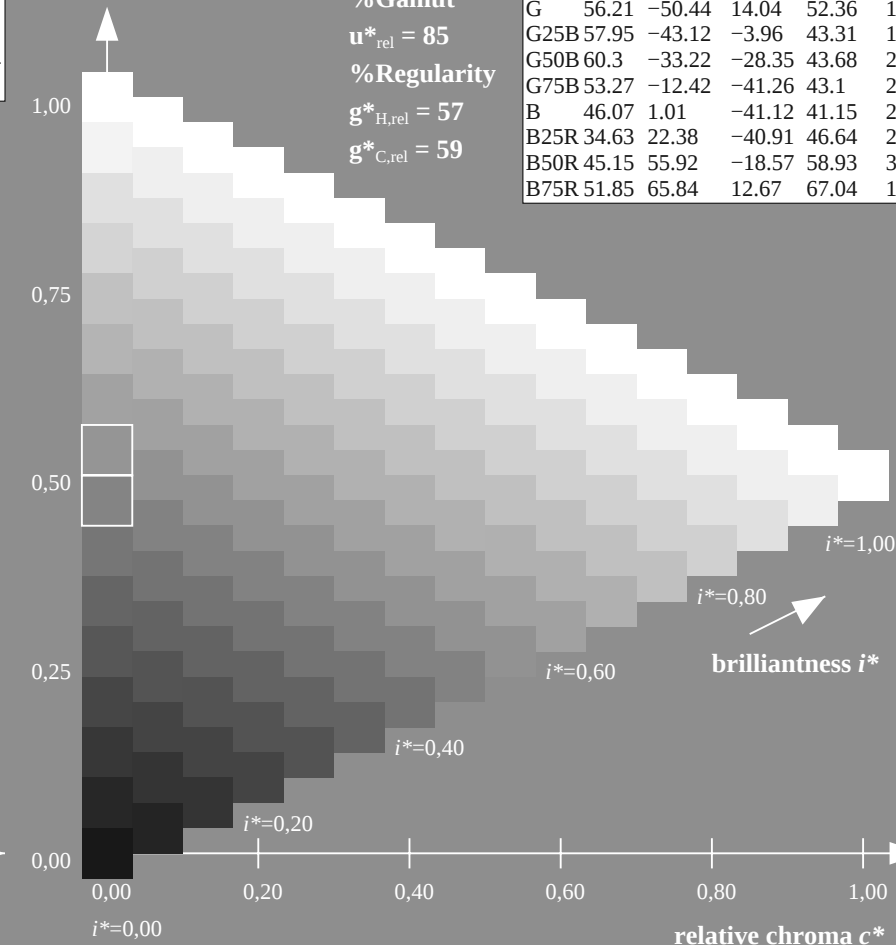
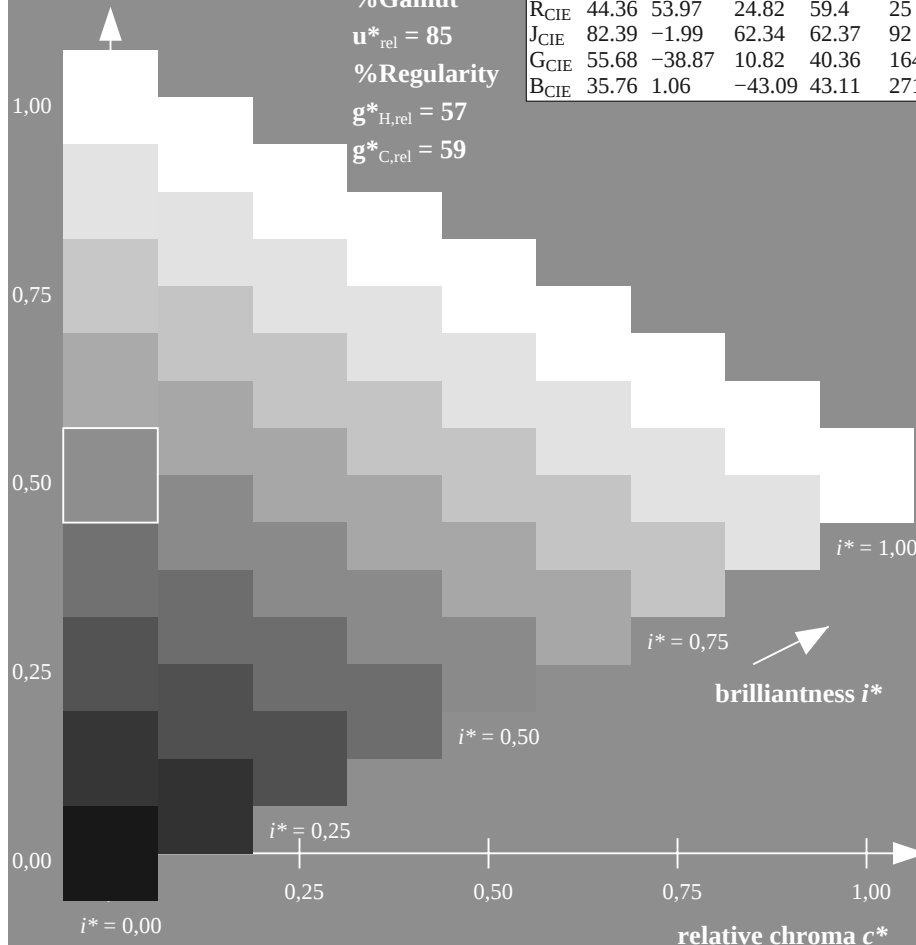
%Gamut

$u^*_{rel} = 85$

%Regularity

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

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



ZE920-7F, 9 step scales for constant CIELAB hue 92/360 = 0.255 (left)

Page 85/96

ZE920-7F, 16 step scales for constant CIELAB hue 92/360 = 0.255 (right)

BAM-test chart ZE92; Colorimetric systems, Page 85/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color

output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 103/360 = 0.286$

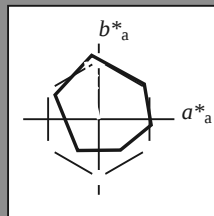
lab^*tch and lab^*nch

D65: hue J25G

LCH*Ma: 85 78 103

olv*Ma: 0.84 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 103/360 = 0.286$

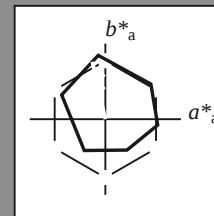
lab^*tch and lab^*nch

D65: hue J25G

LCH*Ma: 85 78 103

olv*Ma: 0.84 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

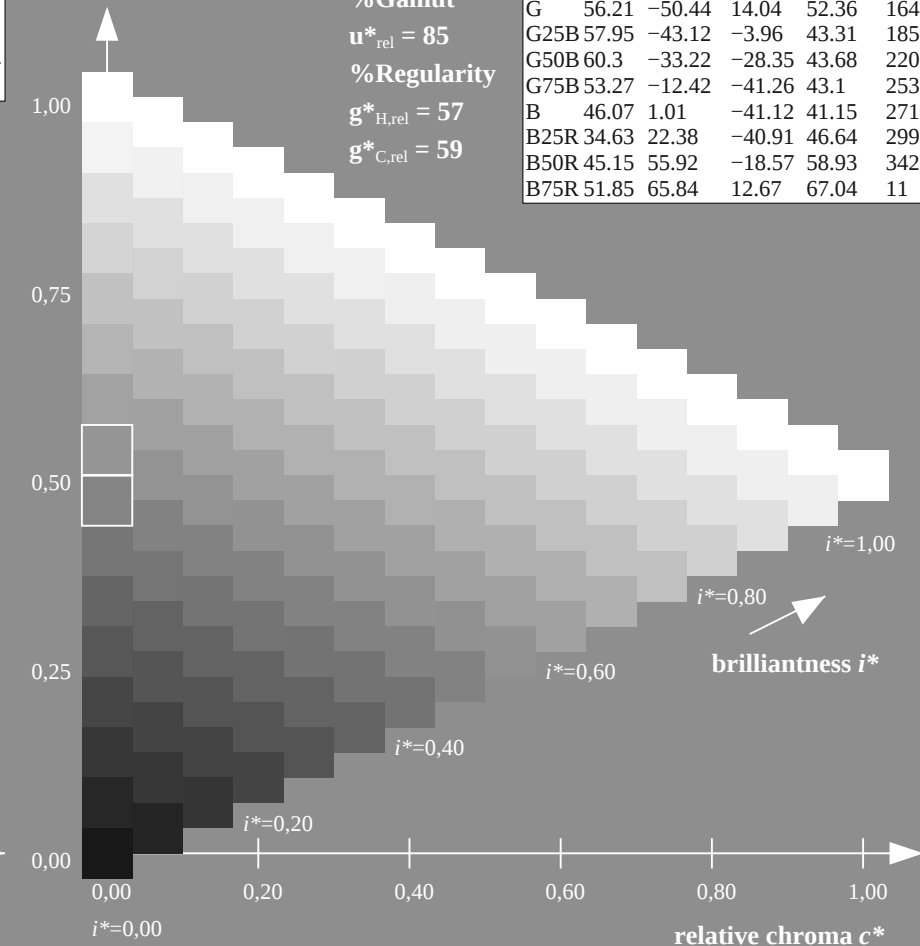
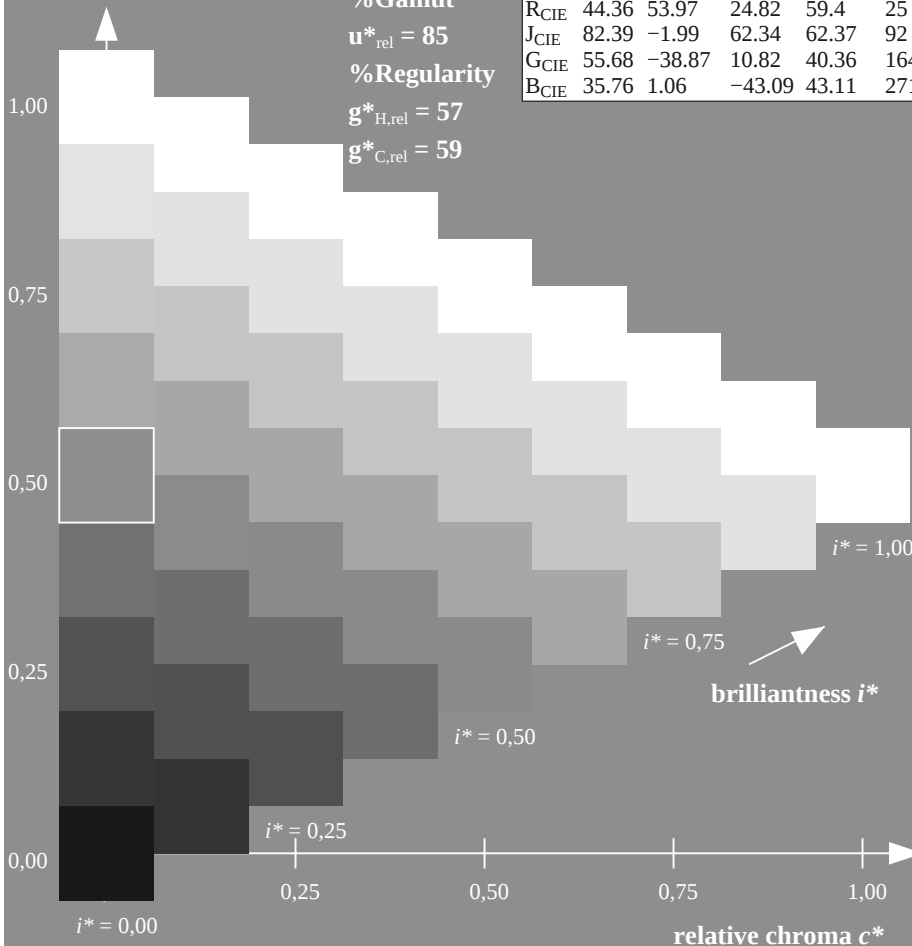
%Gamut

$u^*_{rel} = 85$

%Regularity

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

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



ZE920-7F, 9 step scales for constant CIELAB hue 103/360 = 0.286 (left)

Page 86/96

ZE920-7F, 16 step scales for constant CIELAB hue 103/360 = 0.286 (right)

BAM-test chart ZE92; Colorimetric systems, Page 86/96
D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 119/360 = 0.331$

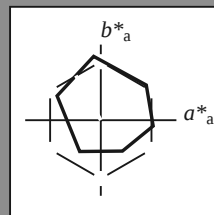
lab^*tch and lab^*nch

D65: hue J50G

LCH*Ma: 73 68 119

olv*Ma: 0.51 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

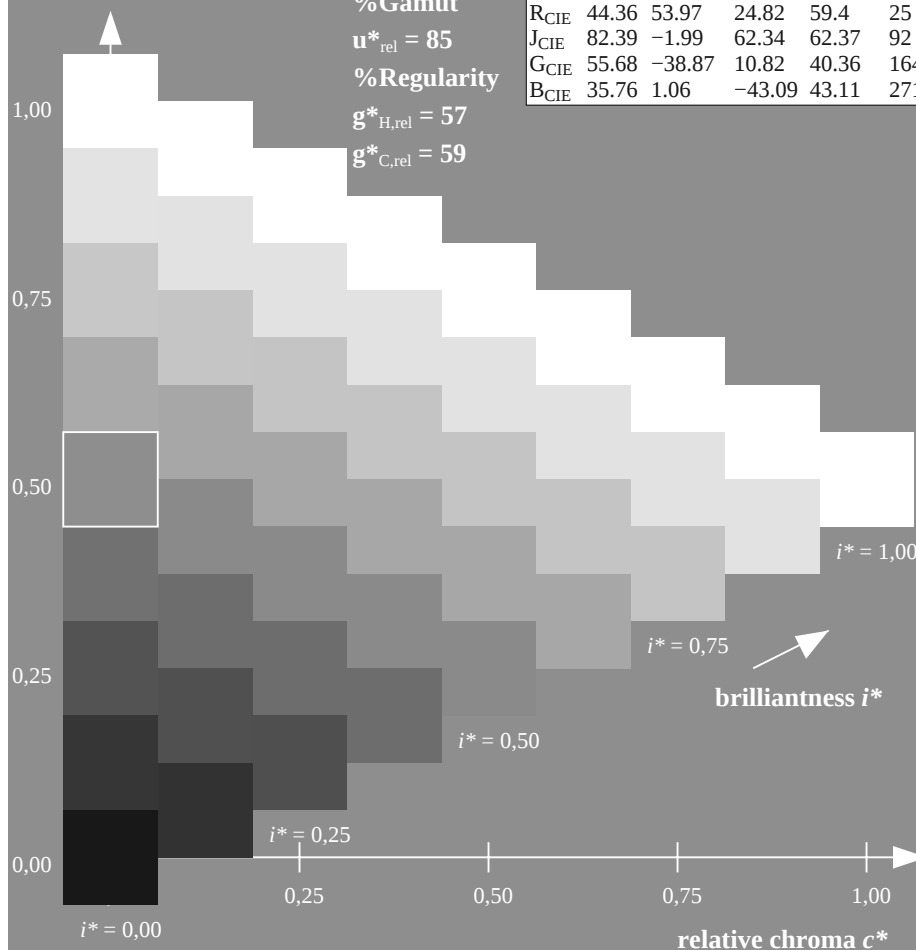
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 119/360 = 0.331$

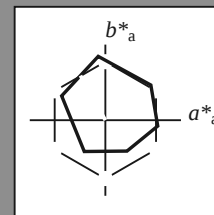
lab^*tch and lab^*nch

D65: hue J50G

LCH*Ma: 73 68 119

olv*Ma: 0.51 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

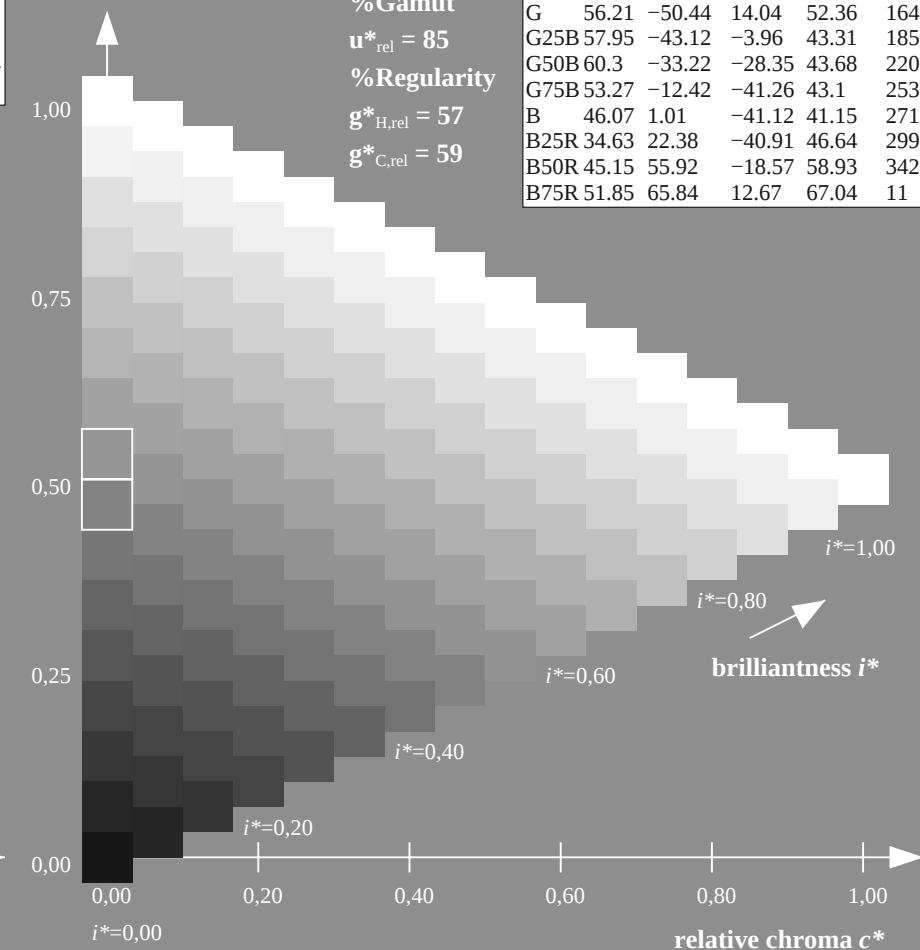
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 9 step scales for constant CIELAB hue 119/360 = 0.331 (left)

Page 87/96

ZE920-7F, 16 step scales for constant CIELAB hue 119/360 = 0.331 (right)

BAM-test chart ZE92; Colorimetric systems, Page 87/96
D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 141/360 = 0.393$

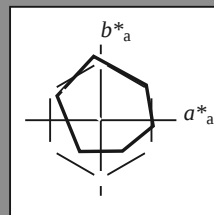
lab^*tch and lab^*nch

D65: hue J75G

LCH*Ma: 60 64 141

olv*Ma: 0.15 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

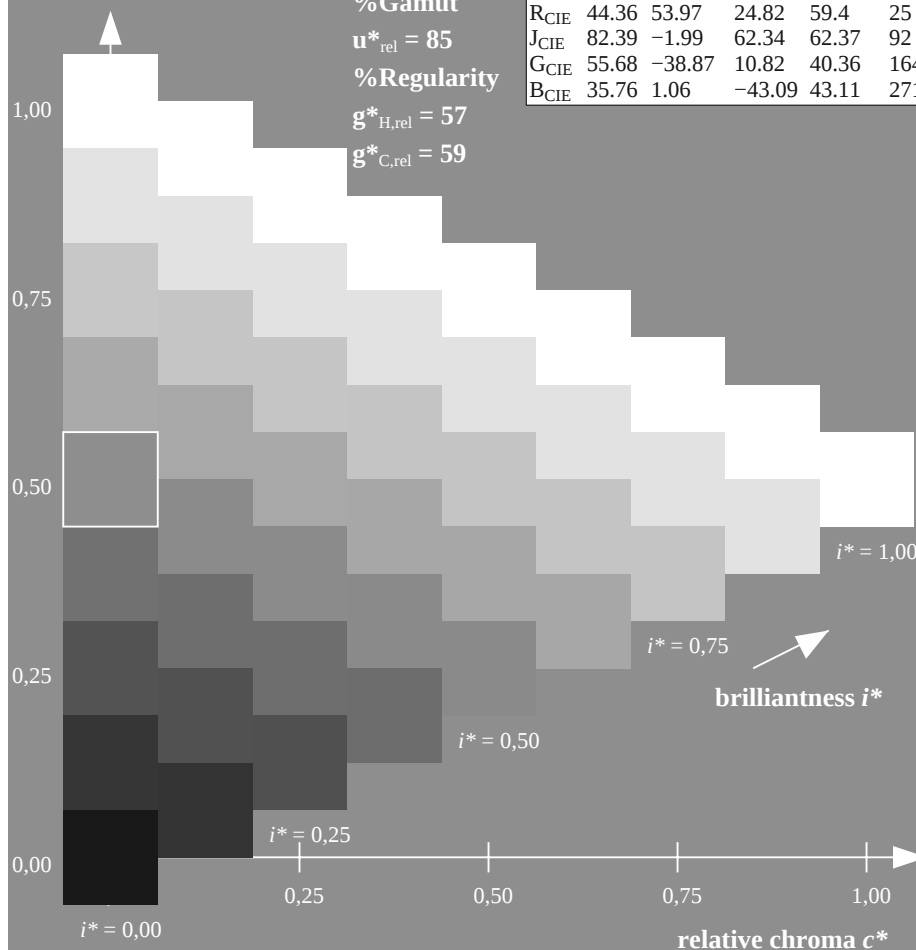
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 141/360 = 0.393 (left)

Page 88/96

BAM-test chart ZE92; Colorimetric systems, Page 88/96
D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 141/360 = 0.393$

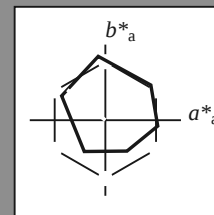
lab^*tch and lab^*nch

D65: hue J75G

LCH*Ma: 60 64 141

olv*Ma: 0.15 1.0 0.0

triangle lightness t^*



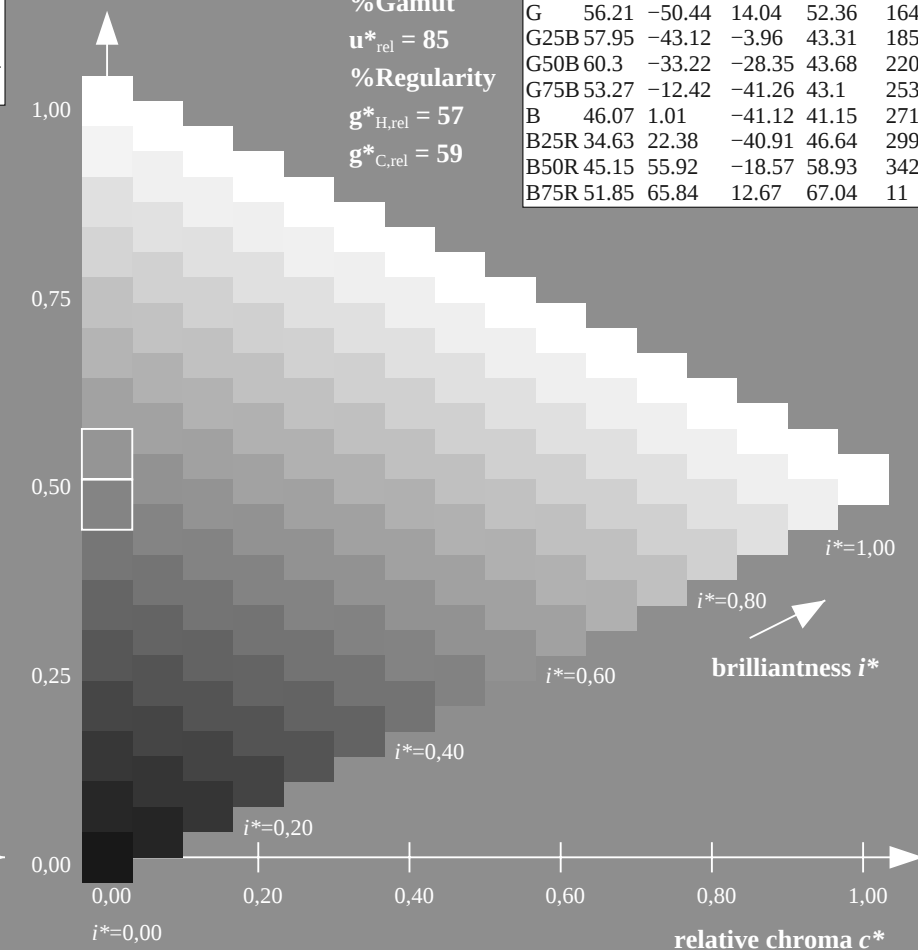
%Gamut

$u^*_{rel} = 85$

%Regularity

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

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



ZE920-7F, 16 step scales for constant CIELAB hue 141/360 = 0.393 (right)

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 185/360 = 0.515$

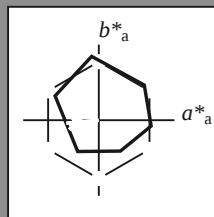
lab^*tch and lab^*nch

D65: hue G25B

LCH*Ma: 58 43 185

olv*Ma: 0.0 1.0 0.49

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

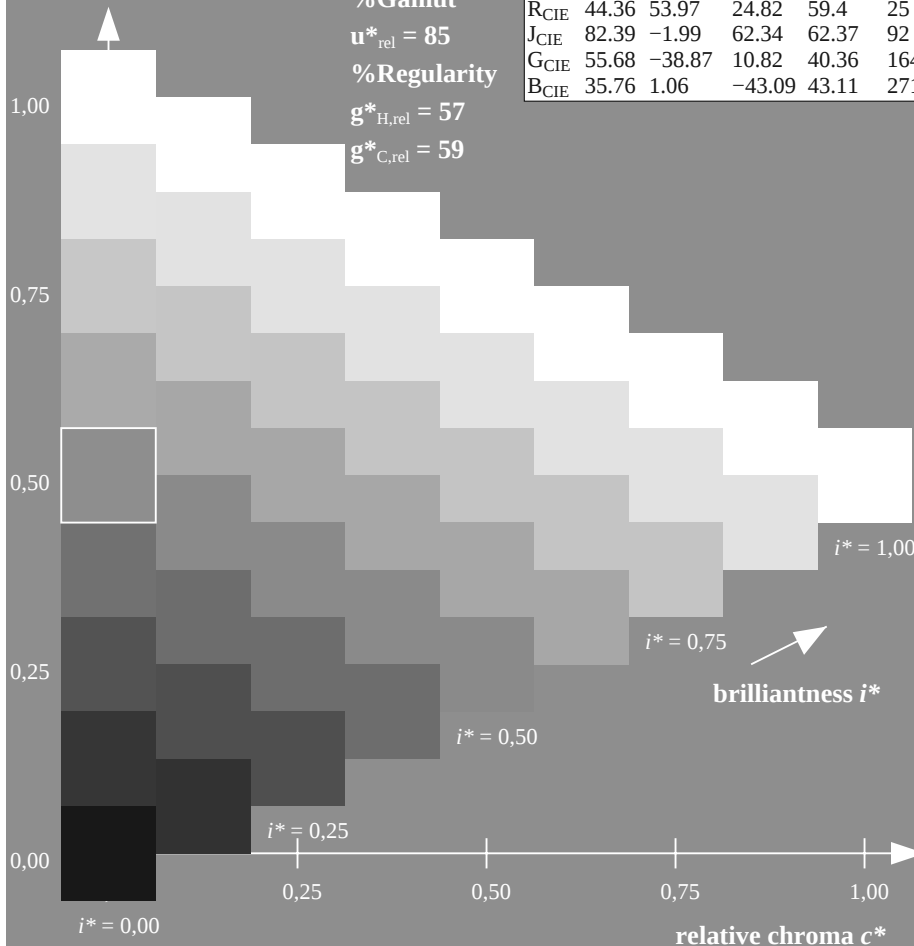
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 185/360 = 0.515 (left)

Page 90/96

BAM-test chart ZE92; Colorimetric systems, Page 90/96

D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 185/360 = 0.515$

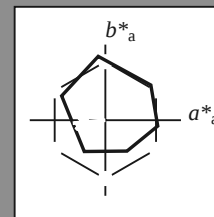
lab^*tch and lab^*nch

D65: hue G25B

LCH*Ma: 58 43 185

olv*Ma: 0.0 1.0 0.49

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

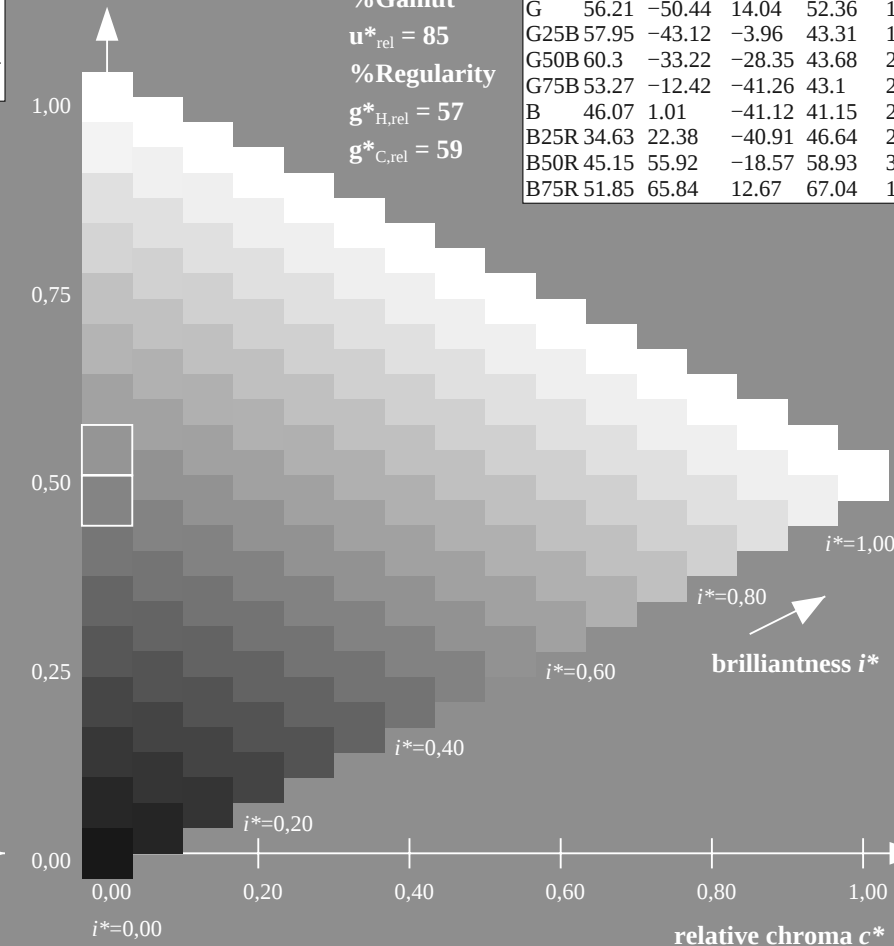
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 16 step scales for constant CIELAB hue 185/360 = 0.515 (right)

input: $rgb / cmy0$ set($rgb/cmyk$)color

output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 220/360 = 0.612$

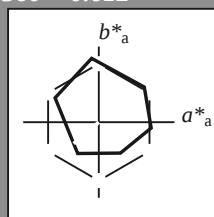
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 60 44 220

olv*Ma: 0.0 1.0 0.82

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

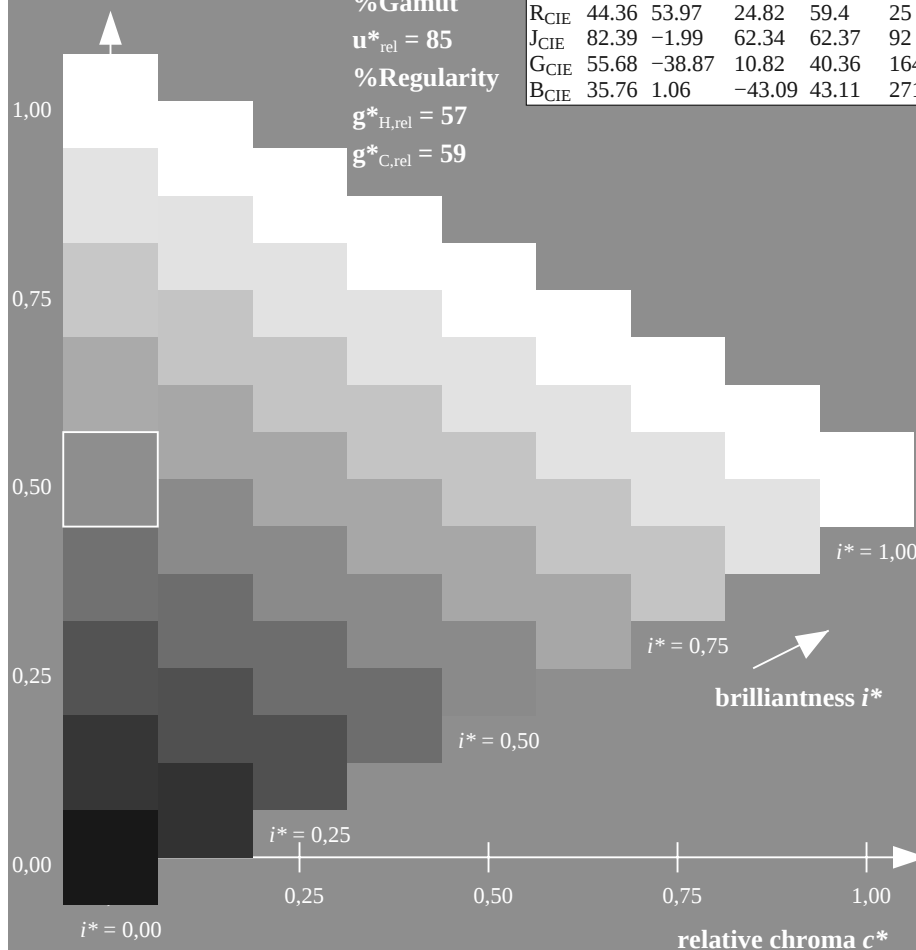
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 220/360 = 0.612$

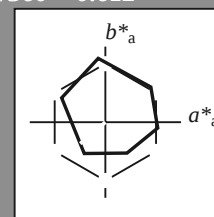
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 60 44 220

olv*Ma: 0.0 1.0 0.82

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

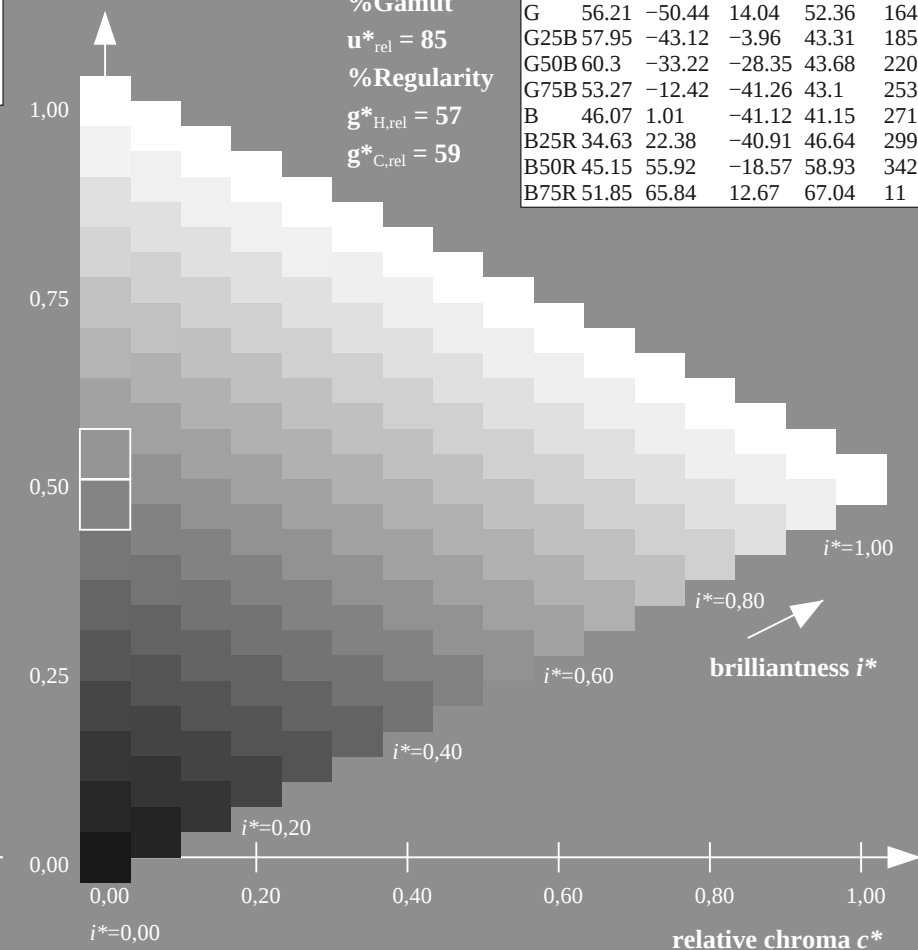
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 9 step scales for constant CIELAB hue 220/360 = 0.612 (left)

Page 91/96

ZE920-7F, 16 step scales for constant CIELAB hue 220/360 = 0.612 (right)

BAM-test chart ZE92; Colorimetric systems, Page 91/96

D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color

output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 253/360 = 0.703$

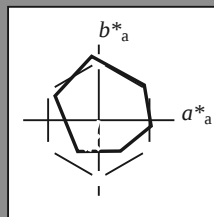
lab^*tch and lab^*nch

D65: hue G75B

LCH*Ma: 53 43 253

olv*Ma: 0.0 0.73 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

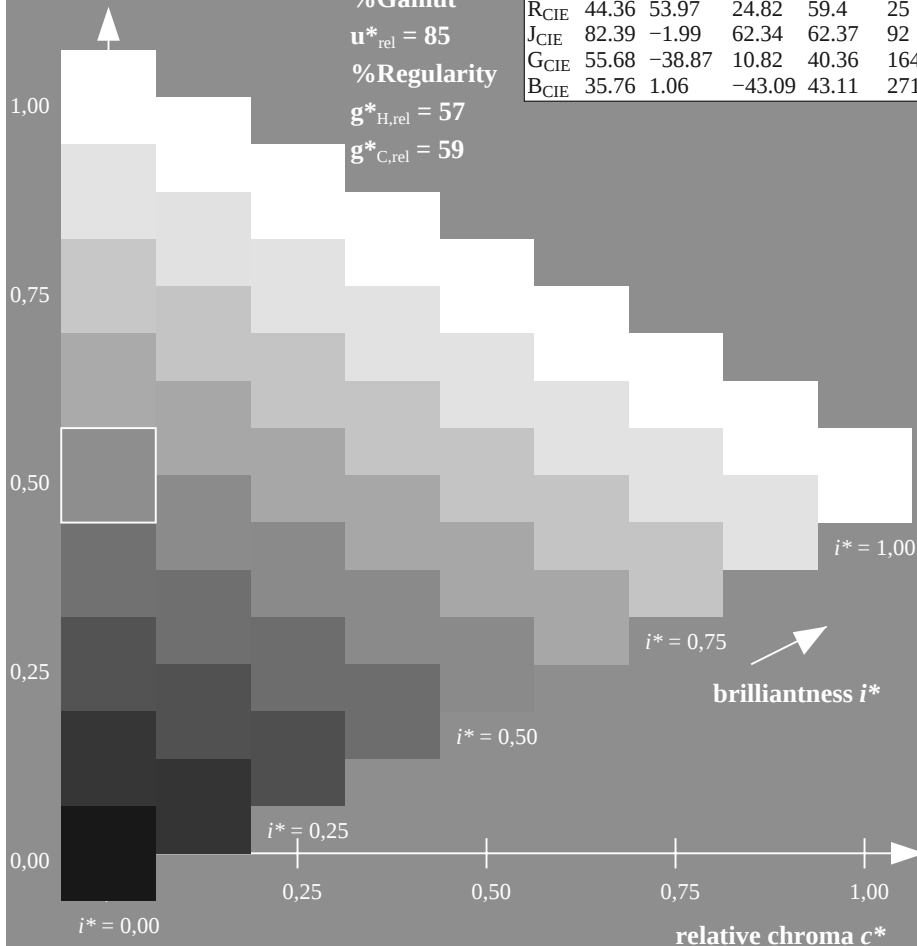
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 253/360 = 0.703 (left)

Page 92/96

BAM-test chart ZE92; Colorimetric systems, Page 92/96
D65: 9 and 16 step colour scales for 16 elementary hues

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 253/360 = 0.703$

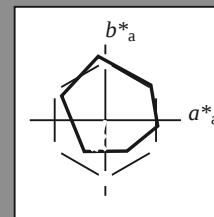
lab^*tch and lab^*nch

D65: hue G75B

LCH*Ma: 53 43 253

olv*Ma: 0.0 0.73 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

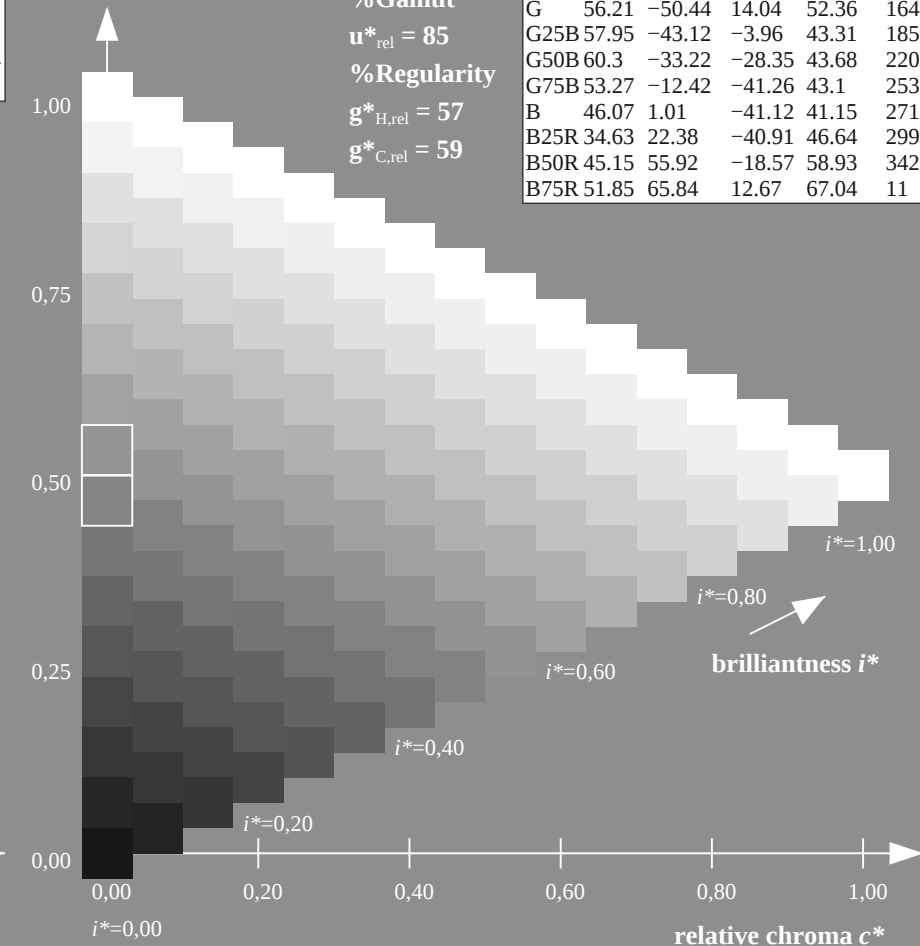
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 16 step scales for constant CIELAB hue 253/360 = 0.703 (right)

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

Input: Colorimetric Offset Reflective System ORS18

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

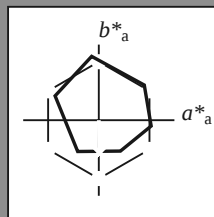
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 46 41 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

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

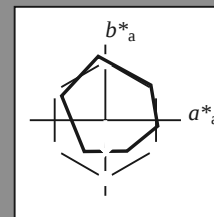
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 46 41 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

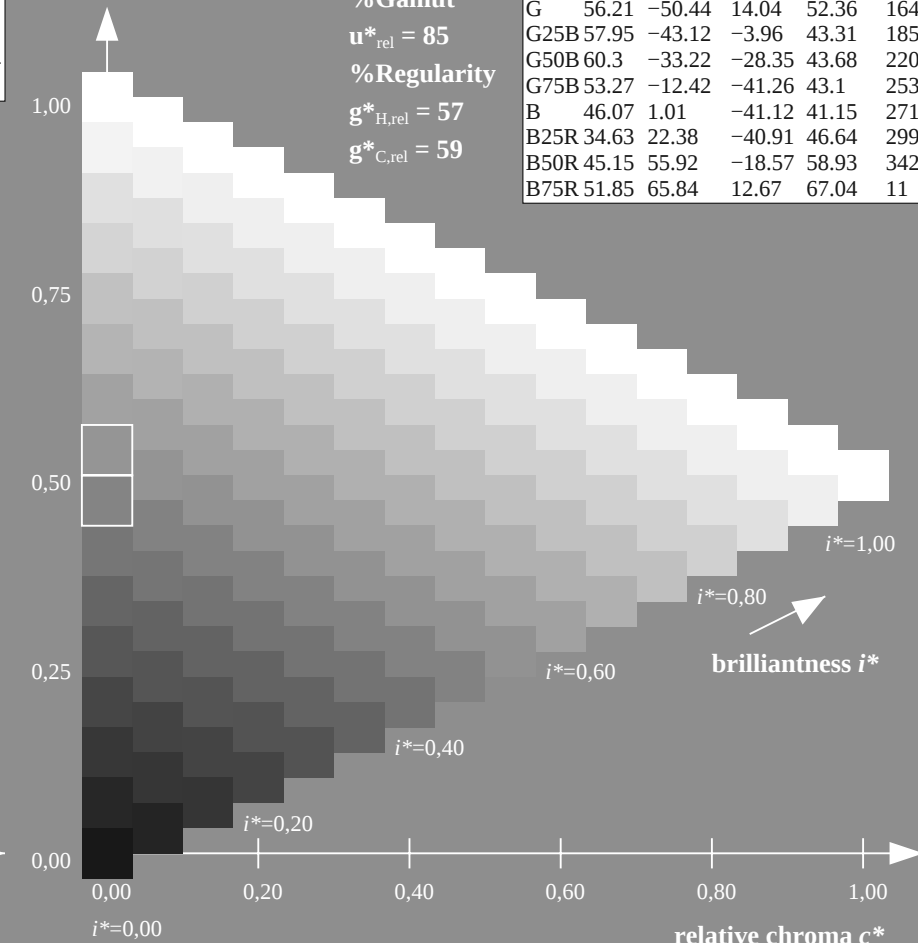
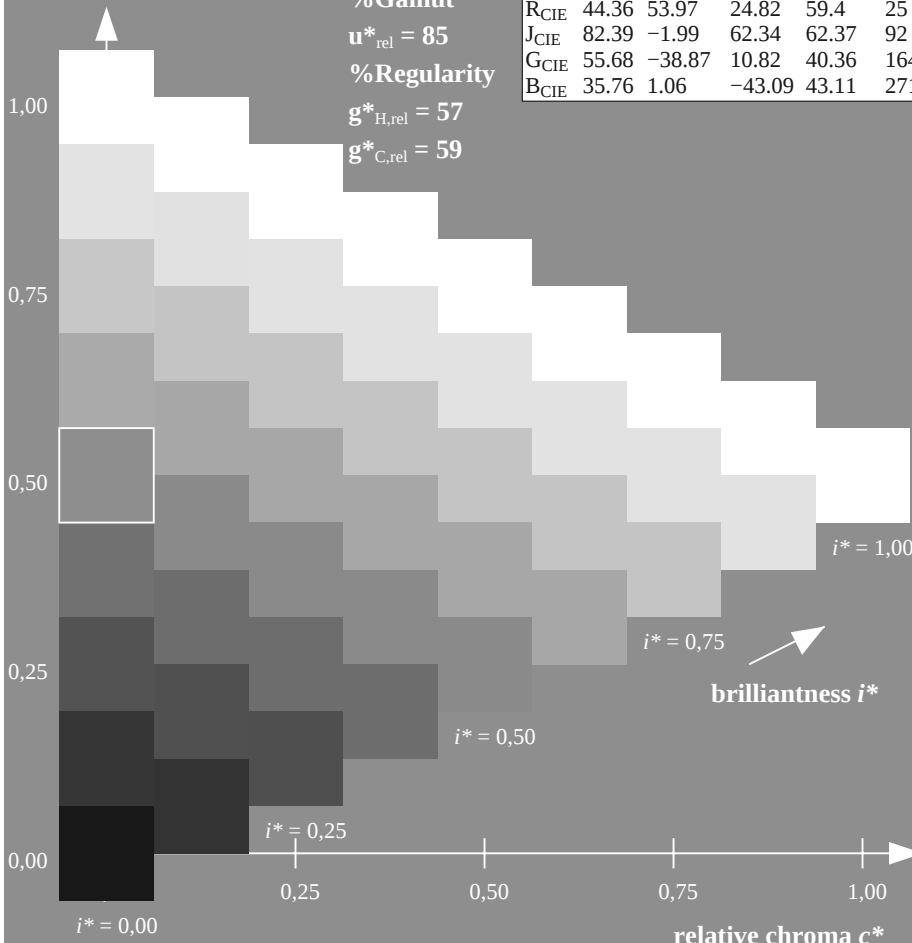
%Gamut

$u^*_{rel} = 85$

%Regularity

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

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



ZE920-7F, 9 step scales for constant CIELAB hue 271/360 = 0.754 (left)

Page 93/96

ZE920-7F, 16 step scales for constant CIELAB hue 271/360 = 0.754 (right)

BAM-test chart ZE92; Colorimetric systems, Page 93/96
D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 299/360 = 0.83$

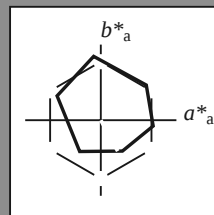
lab^*tch and lab^*nch

D65: hue B25R

LCH*Ma: 35 47 299

olv*Ma: 0.0 0.11 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

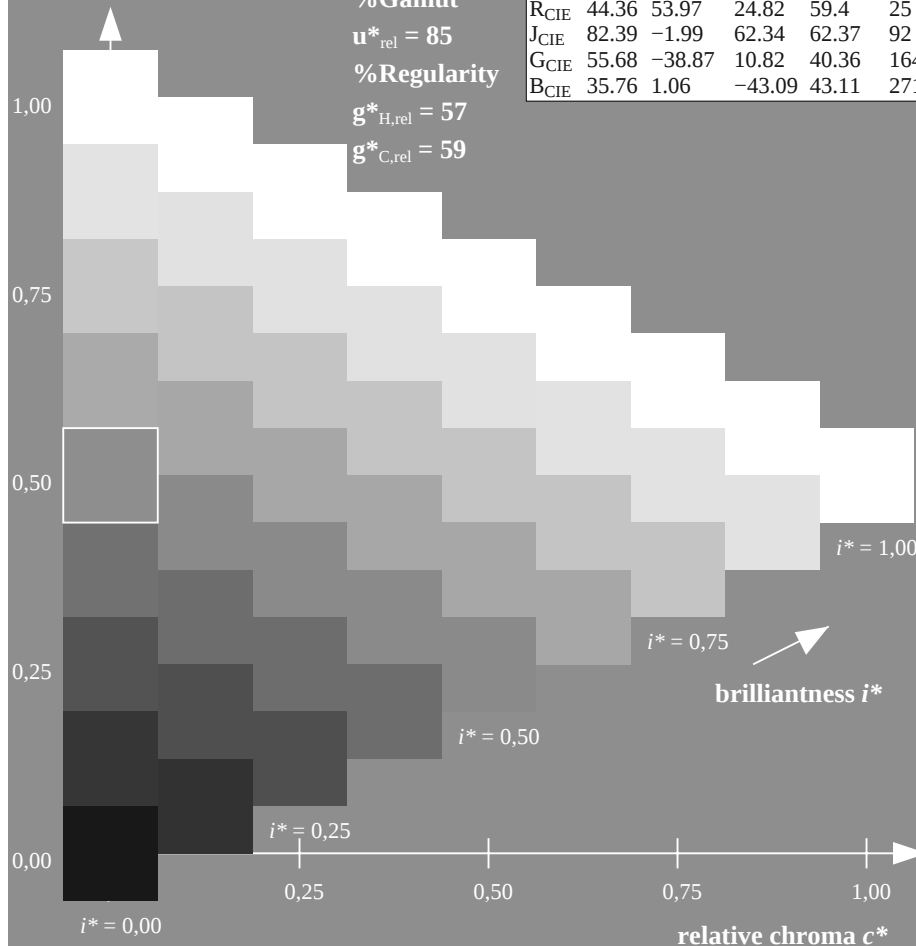
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271



ZE920-7F, 9 step scales for constant CIELAB hue 299/360 = 0.83 (left)

Page 94/96

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 299/360 = 0.83$

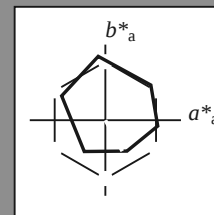
lab^*tch and lab^*nch

D65: hue B25R

LCH*Ma: 35 47 299

olv*Ma: 0.0 0.11 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

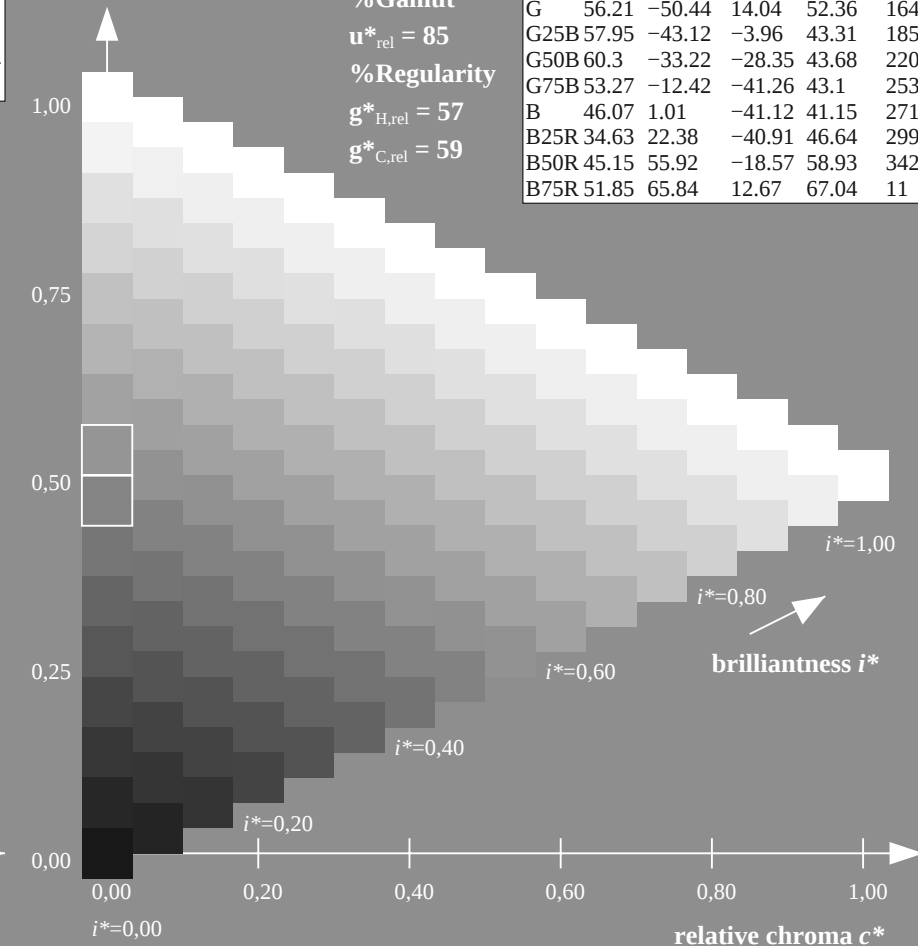
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 16 step scales for constant CIELAB hue 299/360 = 0.83 (right)

BAM-test chart ZE92; Colorimetric systems, Page 94/96
D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

BAM registration: 20071001-ZE92/10L/L92E00FP.PS/.PDF
BAM material: code=rhdata
application for evaluation and measurement of printer or monitor systems

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 342/360 = 0.949$

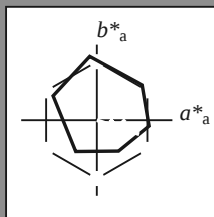
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 45 59 342

olv*Ma: 0.67 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 342/360 = 0.949$

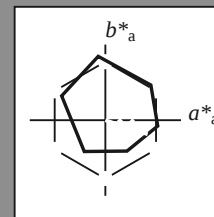
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 45 59 342

olv*Ma: 0.67 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

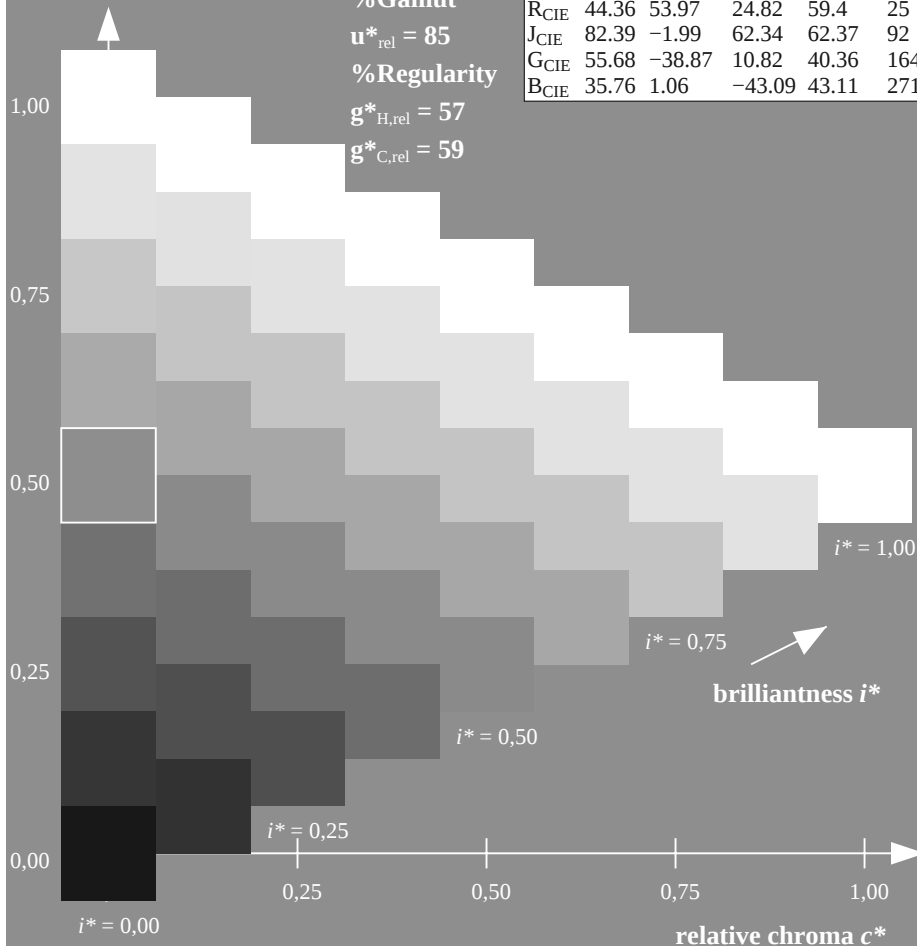
%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11



ZE920-7F, 9 step scales for constant CIELAB hue 342/360 = 0.949 (left)

Page 95/96

ZE920-7F, 16 step scales for constant CIELAB hue 342/360 = 0.949 (right)

BAM-test chart ZE92; Colorimetric systems, Page 95/96
D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)

BAM registration: 20071001-ZE92/10L/L92E00FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rh4ta

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 11/360 = 0.03$

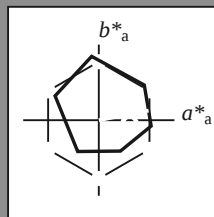
lab^*tch and lab^*nch

D65: hue B75R

LCH*Ma: 52 67 11

olv*Ma: 1.0 0.0 0.62

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	51.74	60.16	46.48	76.02	38
Y _{Ma}	90.77	-9.44	84.41	84.94	96
L _{Ma}	54.46	-57.8	32.16	66.15	151
C _{Ma}	61.56	-27.91	-41.41	49.95	236
V _{Ma}	31.3	28.61	-40.85	49.88	305
M _{Ma}	51.91	69.26	-7.69	69.68	354
N _{Ma}	24.2	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	44.36	53.97	24.82	59.4	25
J _{CIE}	82.39	-1.99	62.34	62.37	92
G _{CIE}	55.68	-38.87	10.82	40.36	164
B _{CIE}	35.76	1.06	-43.09	43.11	271

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 11/360 = 0.03$

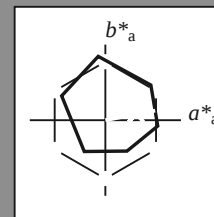
lab^*tch and lab^*nch

D65: hue B75R

LCH*Ma: 52 67 11

olv*Ma: 1.0 0.0 0.62

triangle lightness t^*



%Gamut

$u^*_{rel} = 85$

%Regularity

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

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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R	51.79	63.09	29.02	69.44	25
R25J	53.73	56.6	48.42	74.48	41
R50J	65.47	35.67	59.82	69.65	59
R75J	76.51	15.98	70.55	72.34	77
J	86.93	-2.58	80.67	80.71	92
J25G	84.92	-17.23	75.99	77.92	103
J50G	73.11	-32.96	59.0	67.58	119
J75G	60.06	-50.34	40.22	64.44	141
G	56.21	-50.44	14.04	52.36	164
G25B	57.95	-43.12	-3.96	43.31	185
G50B	60.3	-33.22	-28.35	43.68	220
G75B	53.27	-12.42	-41.26	43.1	253
B	46.07	1.01	-41.12	41.15	271
B25R	34.63	22.38	-40.91	46.64	299
B50R	45.15	55.92	-18.57	58.93	342
B75R	51.85	65.84	12.67	67.04	11

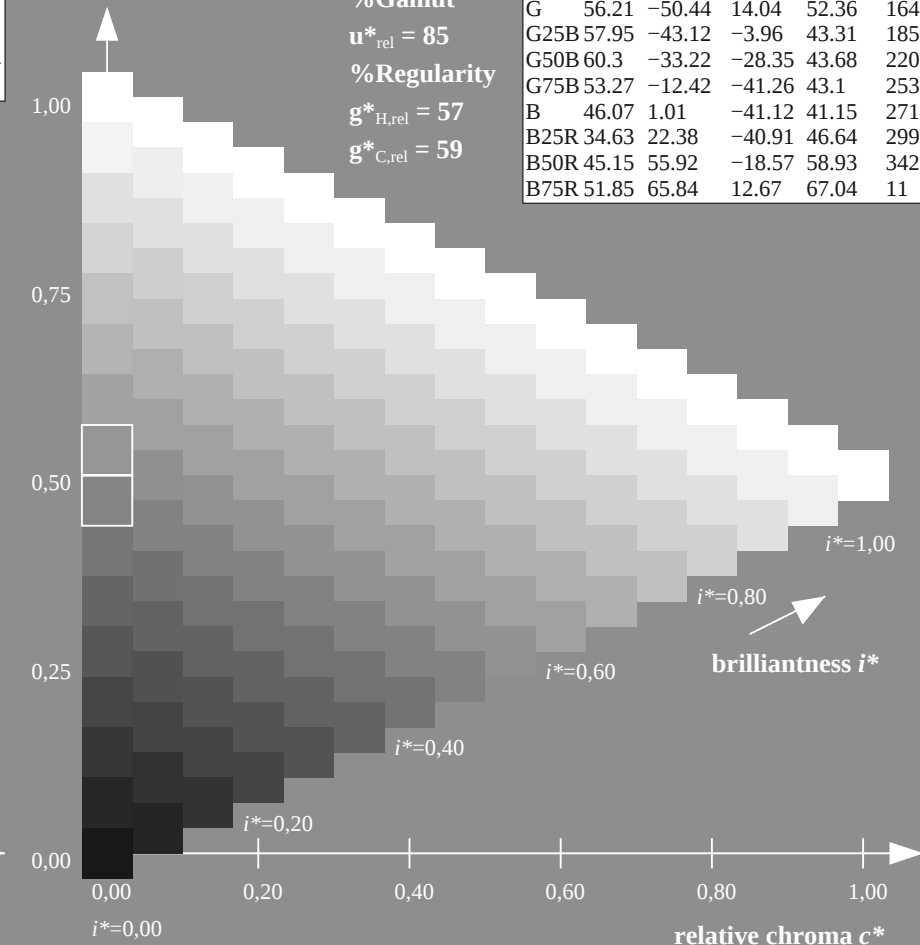
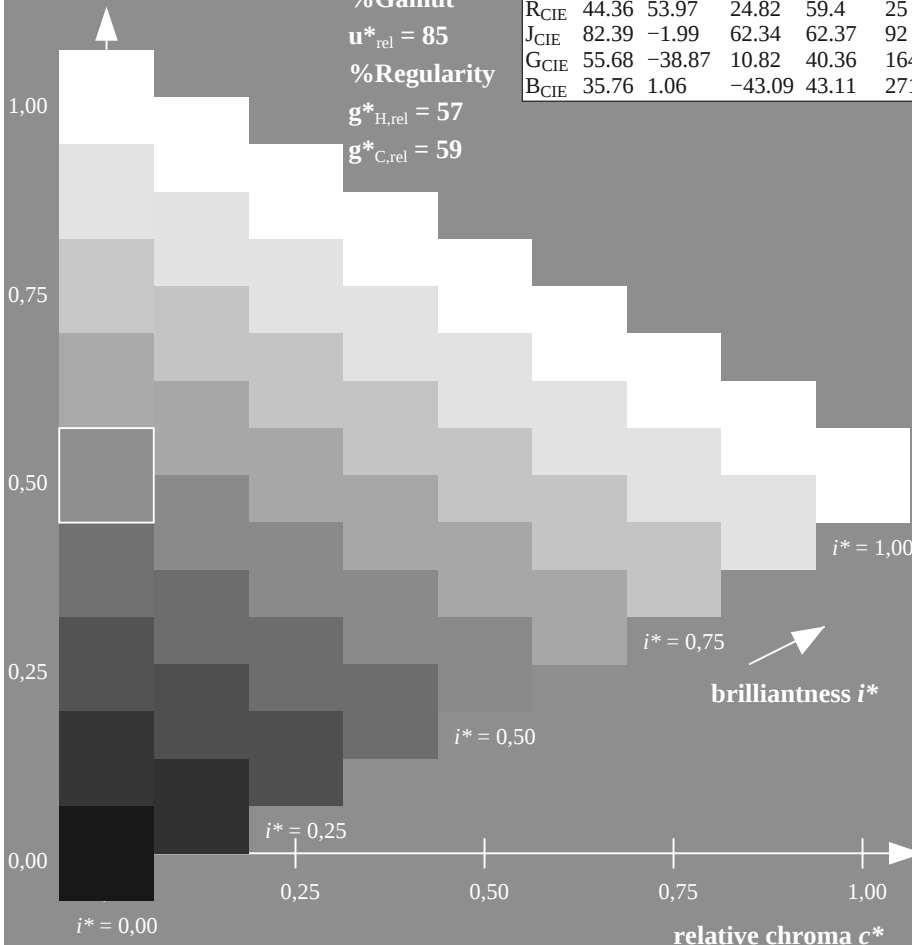
%Gamut

$u^*_{rel} = 85$

%Regularity

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

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



ZE920-7F, 9 step scales for constant CIELAB hue 11/360 = 0.03 (left)

Page 96/96

ZE920-7F, 16 step scales for constant CIELAB hue 11/360 = 0.03 (right)

BAM-test chart ZE92; Colorimetric systems, Page 96/96
D65: 9 and 16 step colour scales for 16 elementary hues

input: $rgb / cmy0$ set($rgb/cmyk$)color
output: $\rightarrow LAB^* \rightarrow cmy5^*$ set($cmykcolo$)