

Gernot Hoffmann
PS-Swatch CMYK

CMYK by Numbers
RGB by Numbers
HLS by Numbers

14641 Patches CMYK

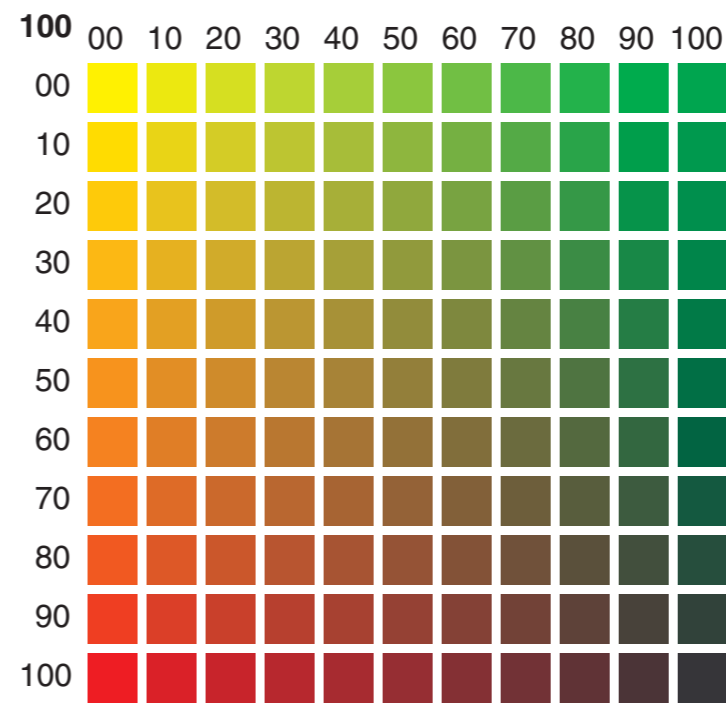
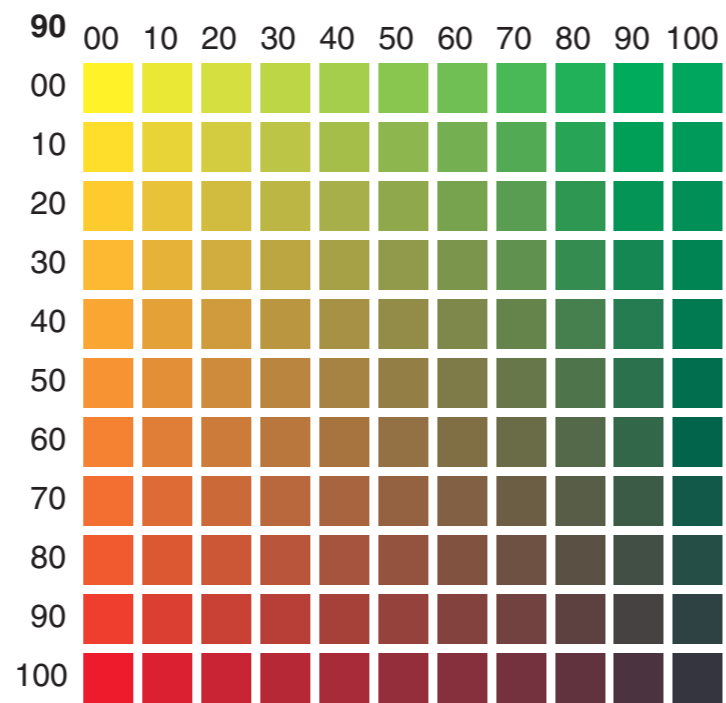
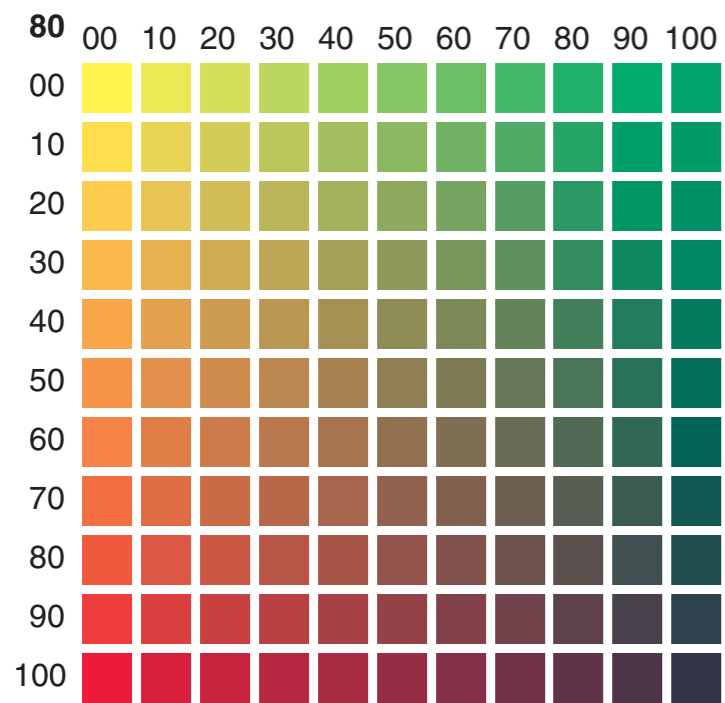
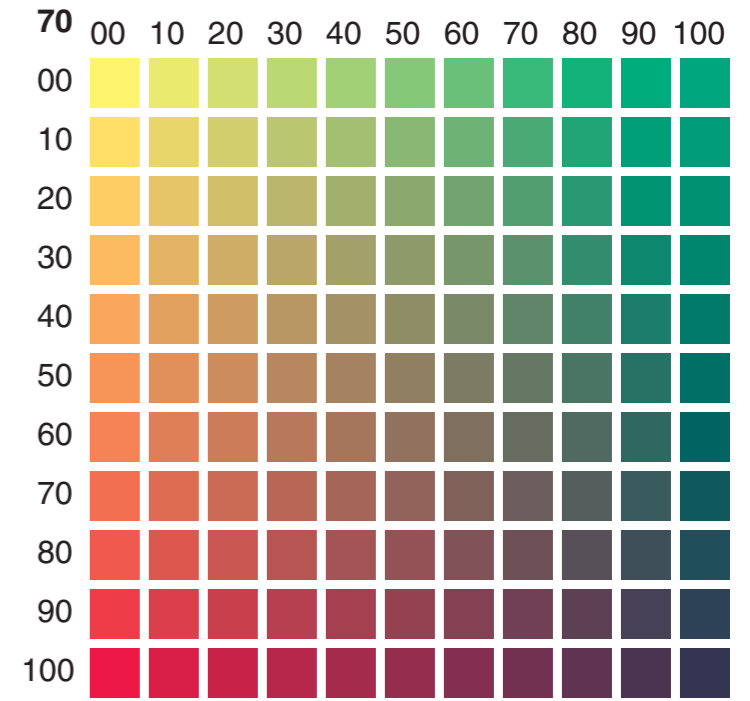
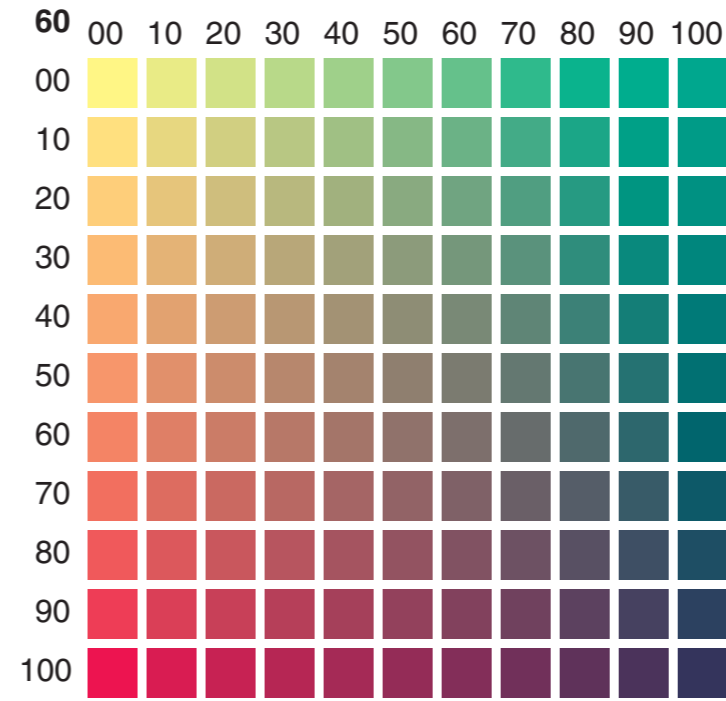
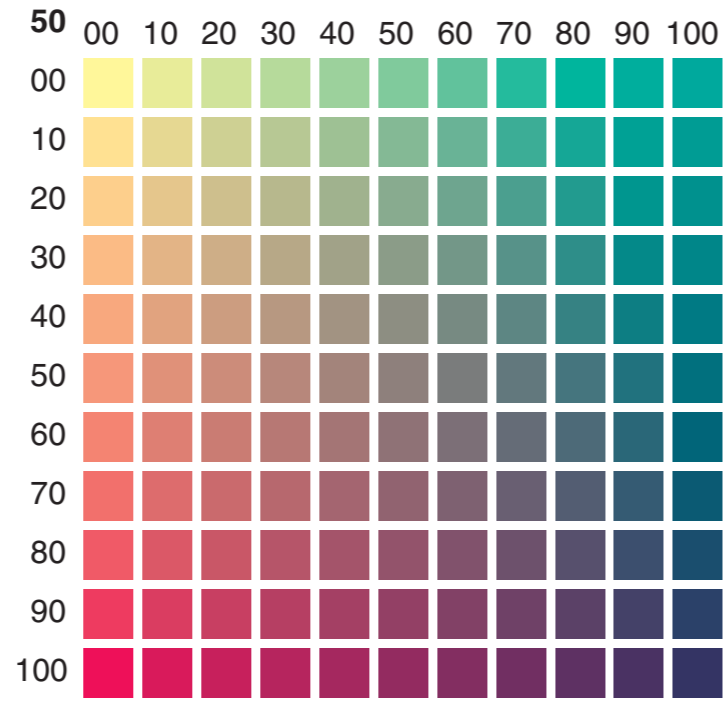
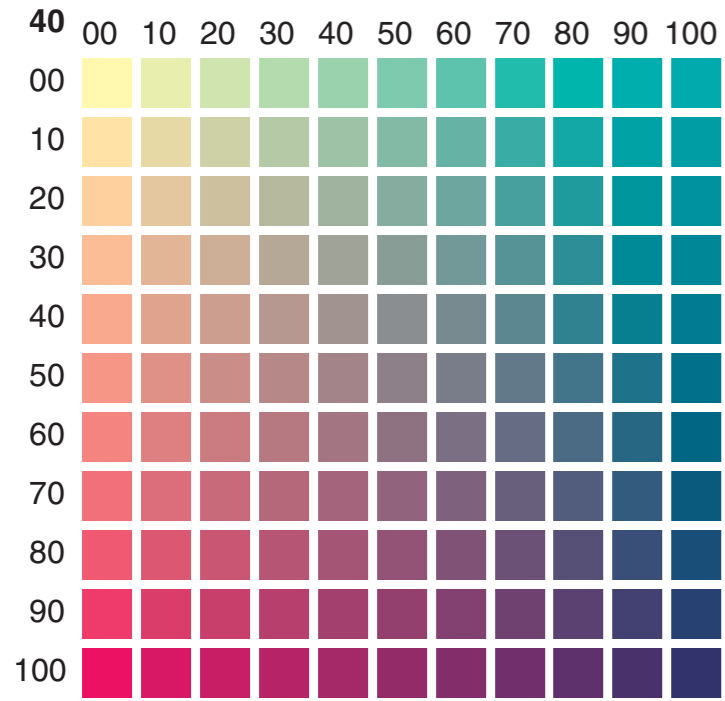
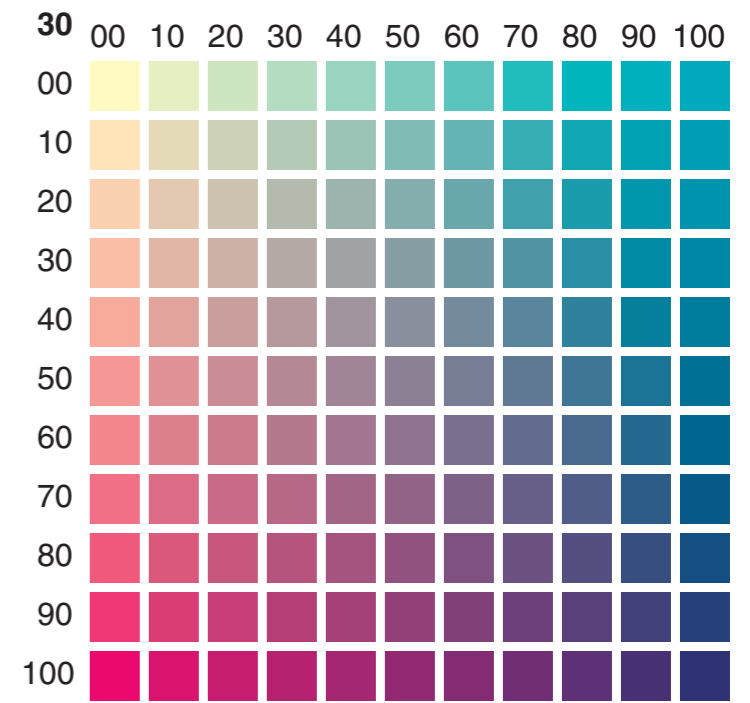
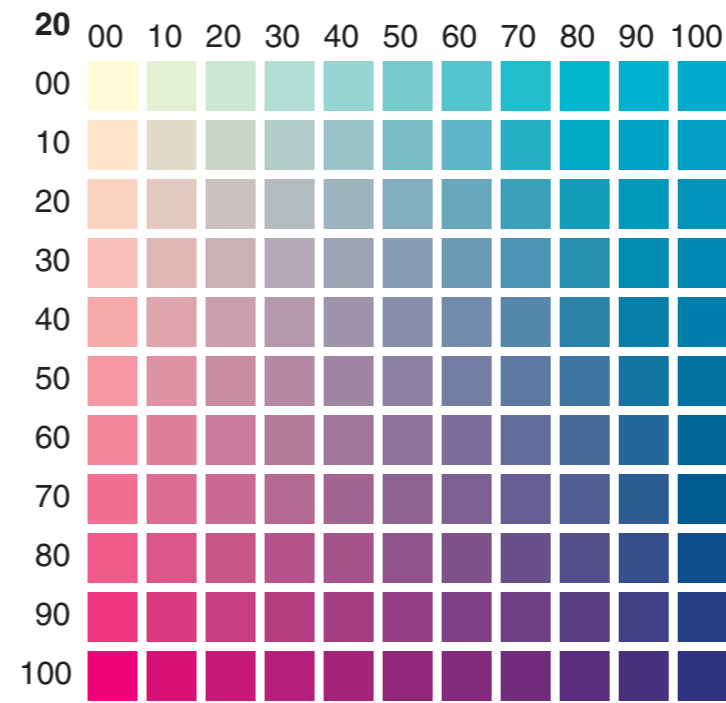
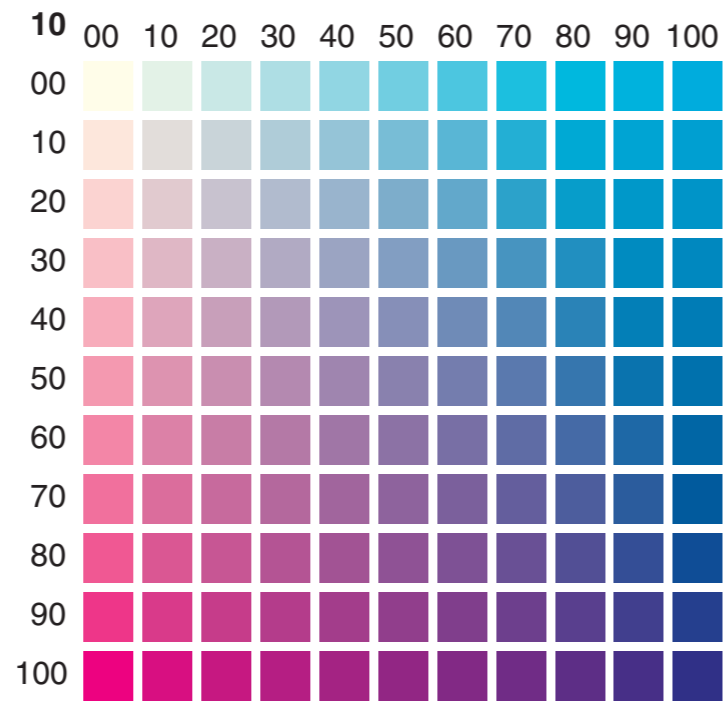
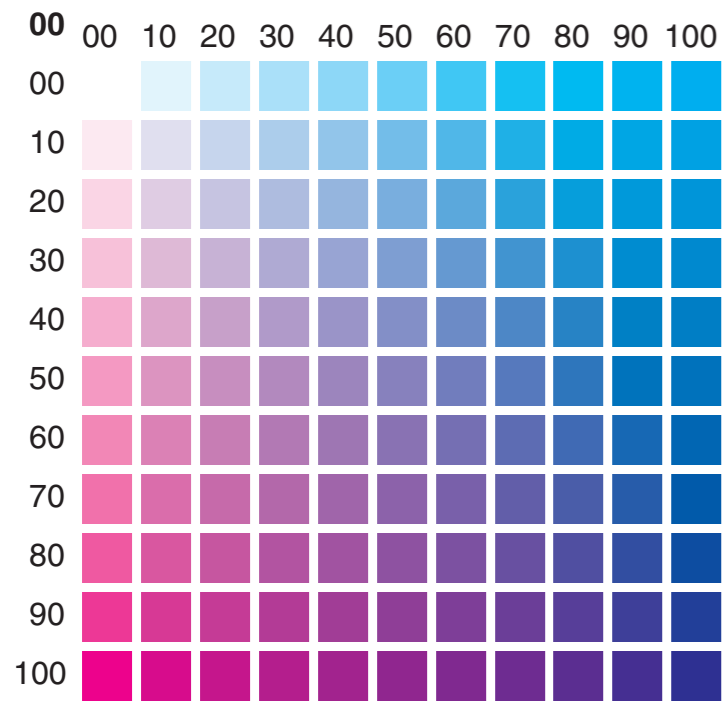
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requires permission

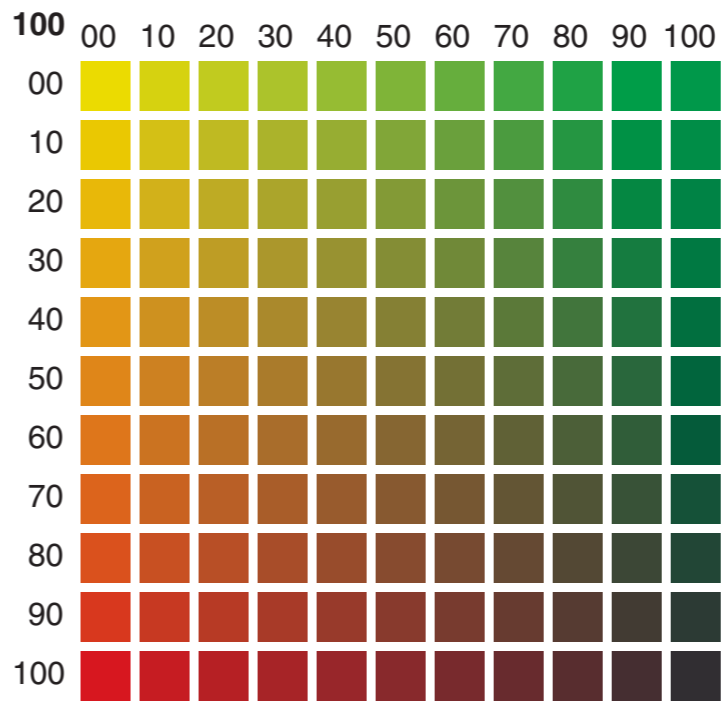
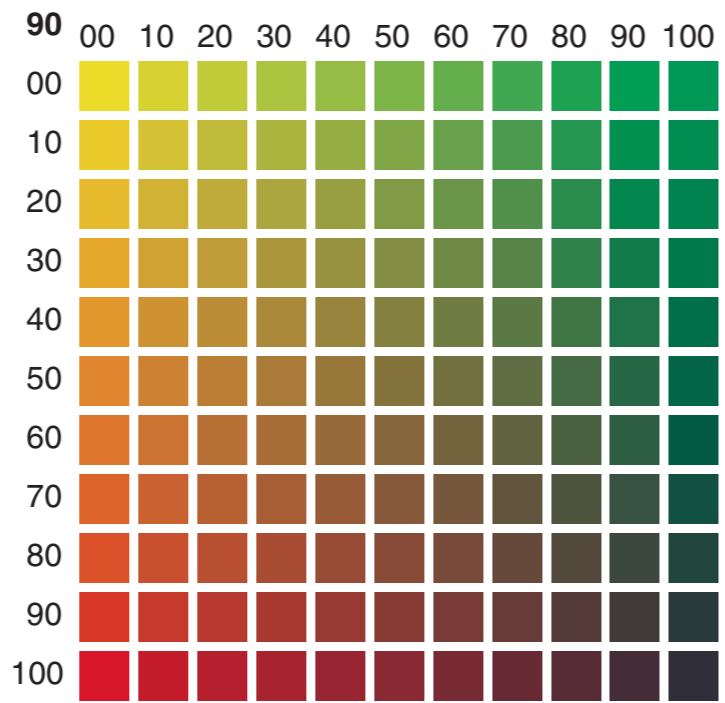
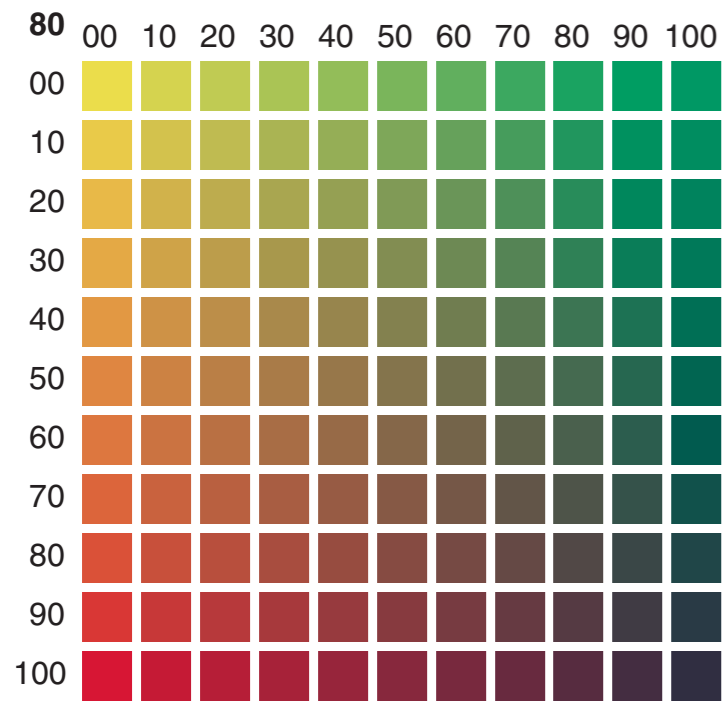
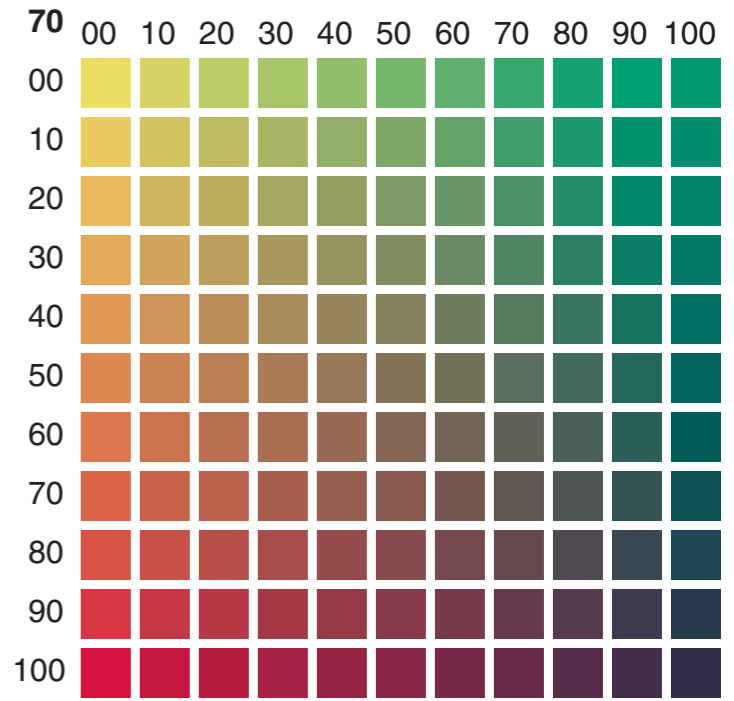
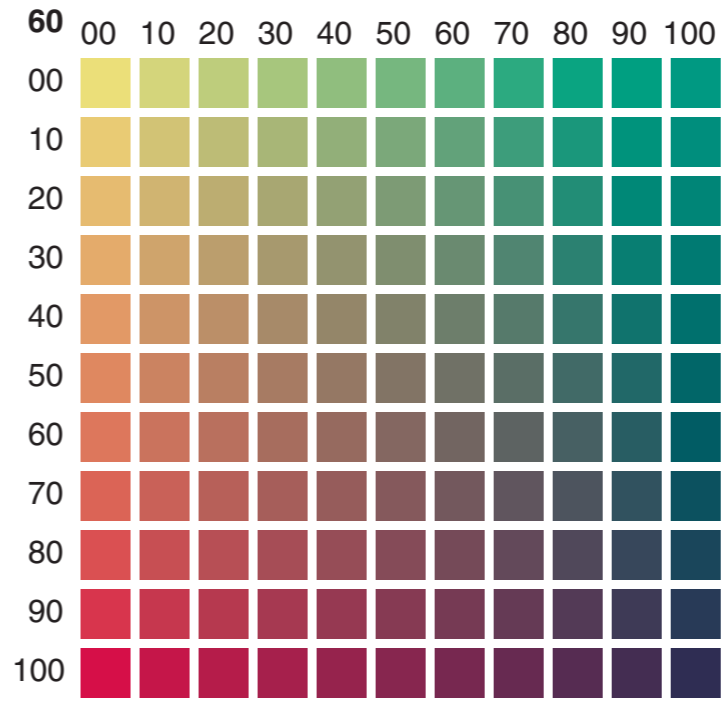
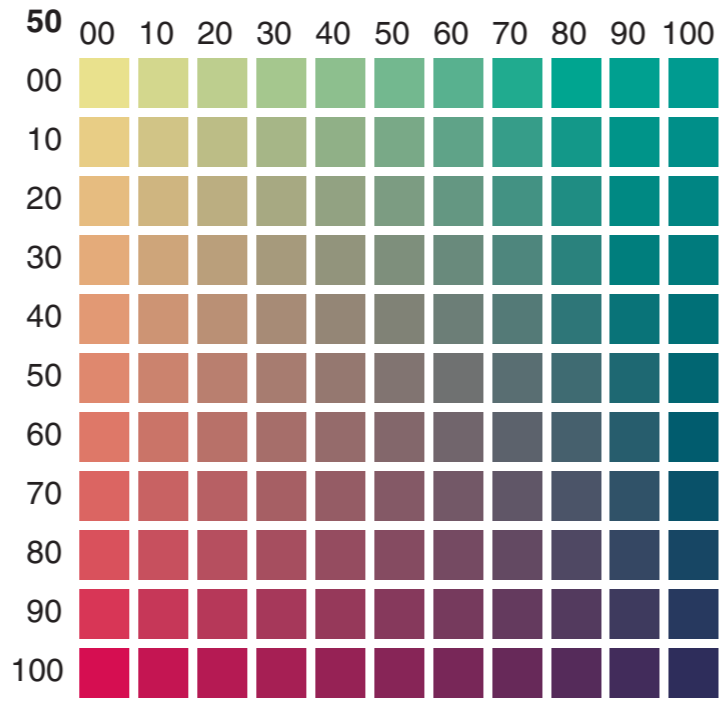
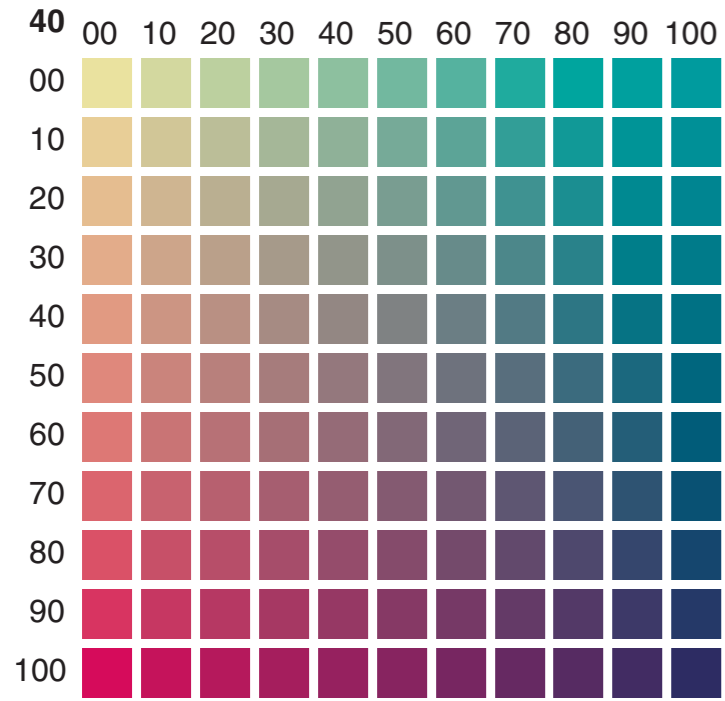
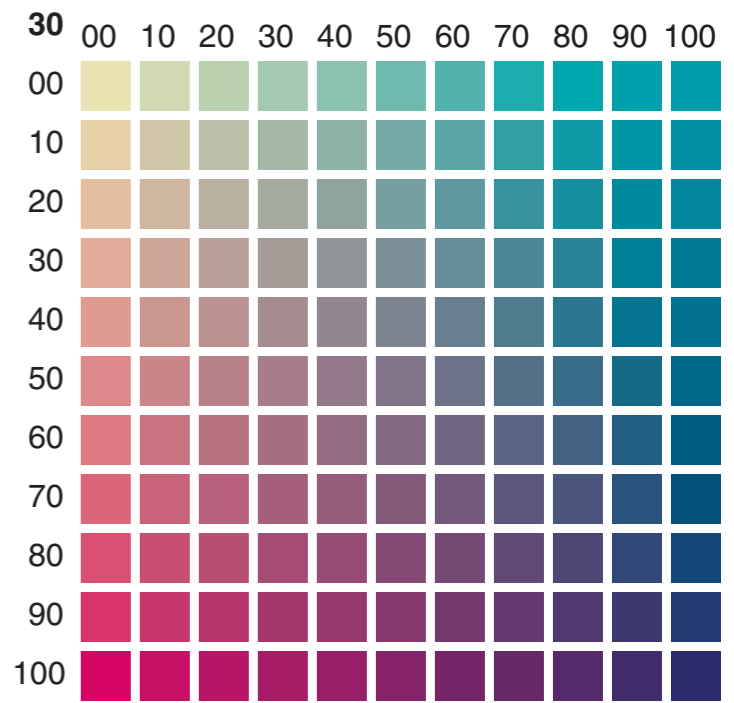
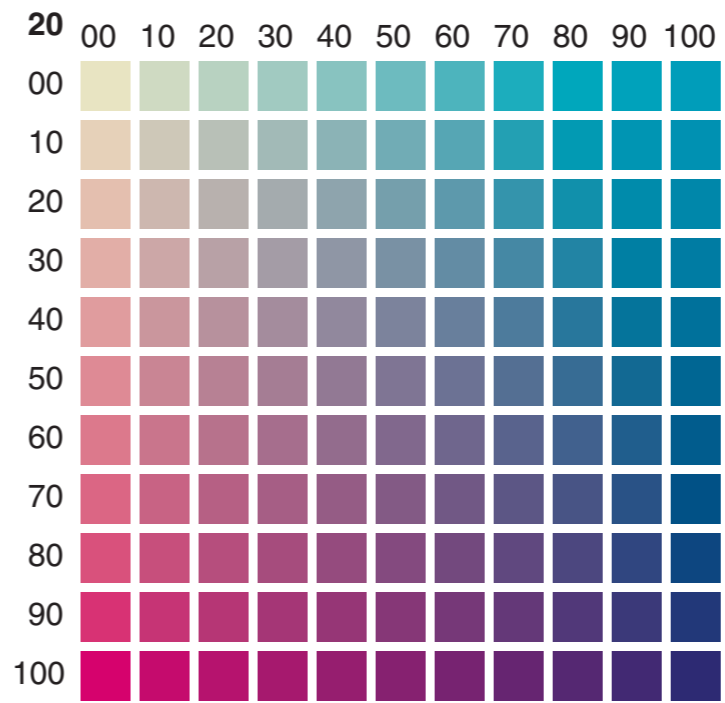
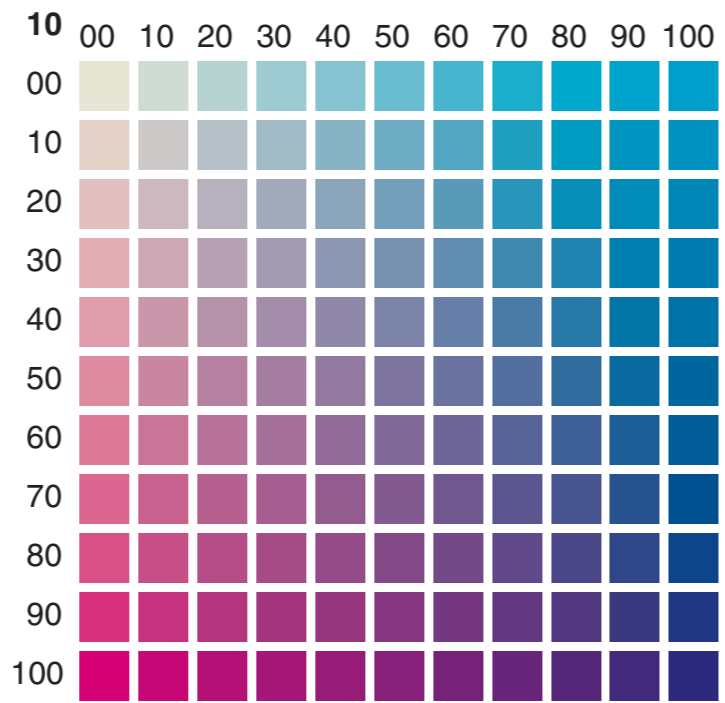
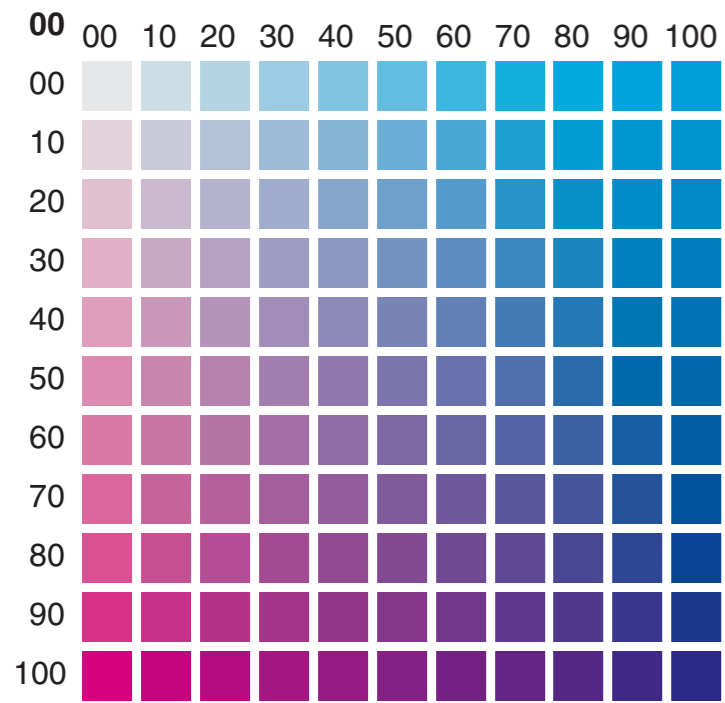
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February 01 / 2013
June 18 / 2019

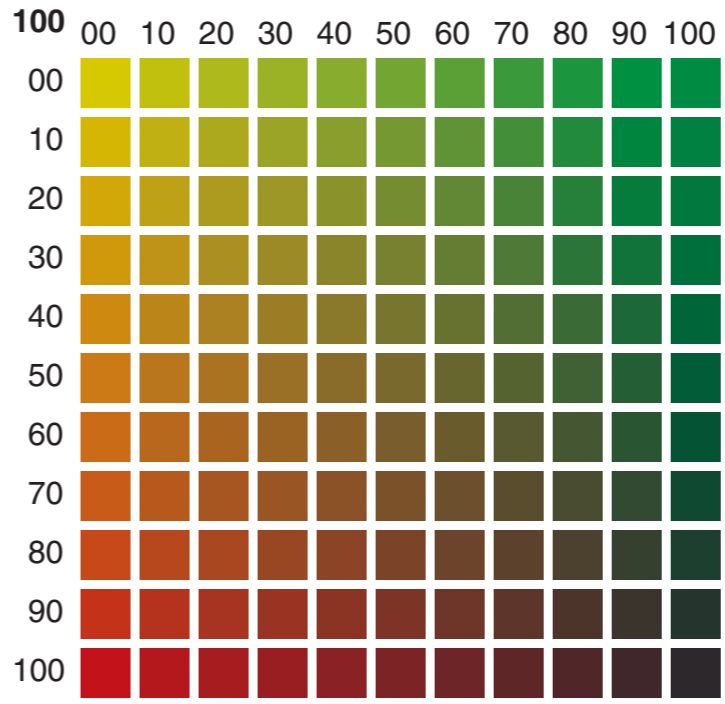
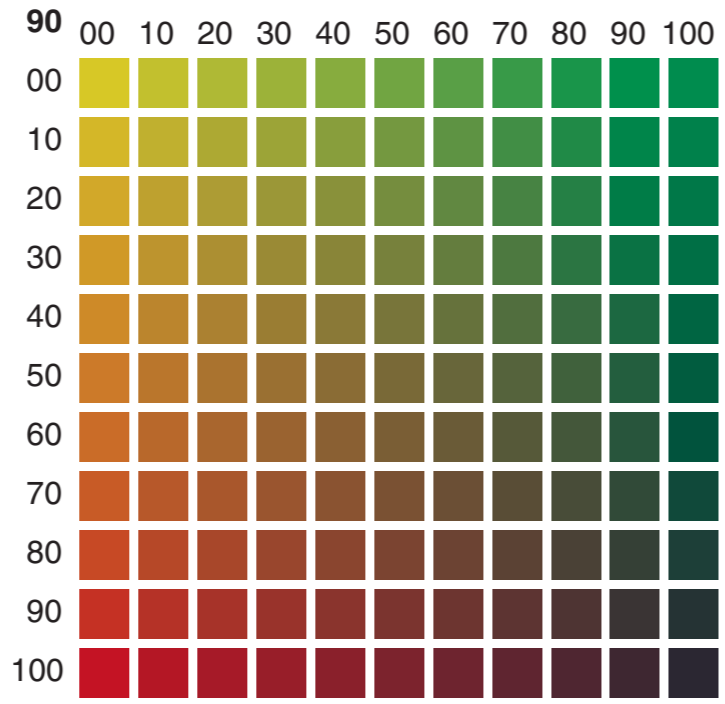
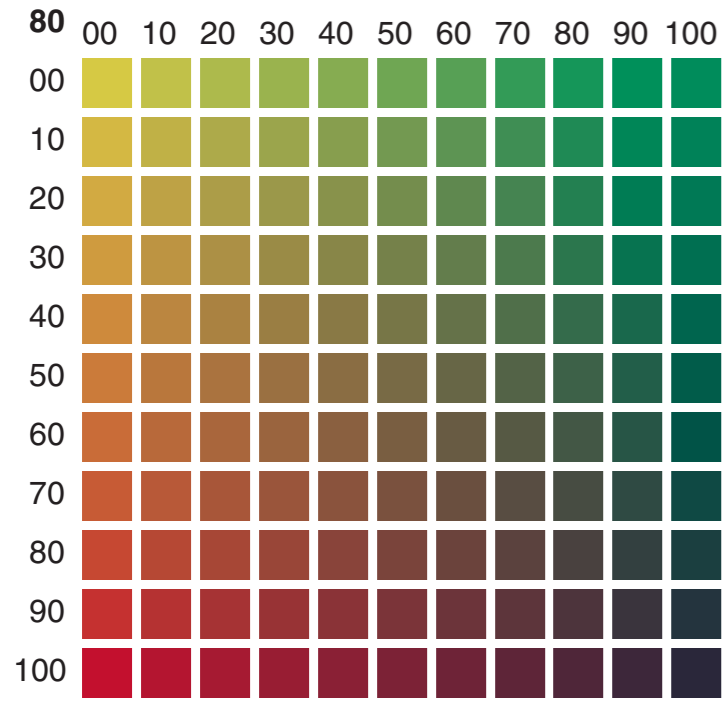
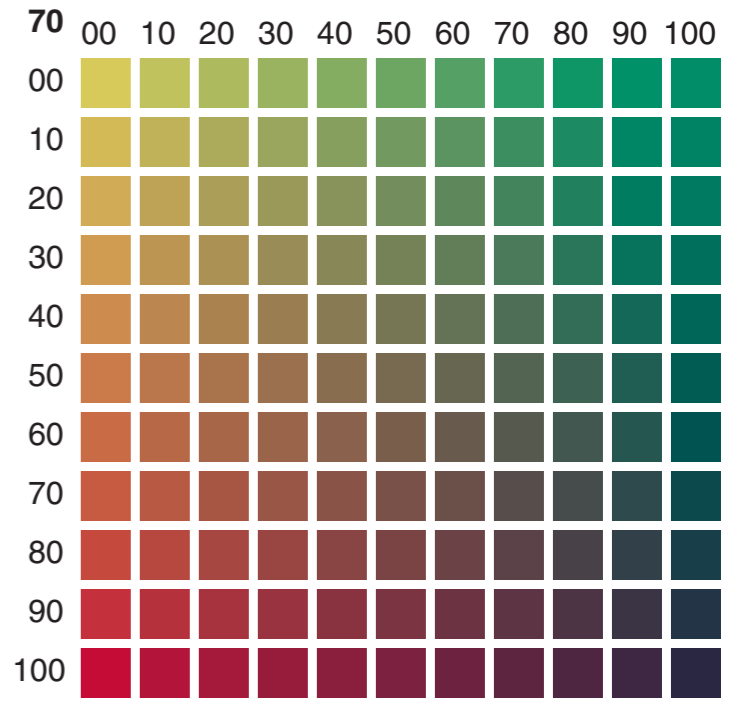
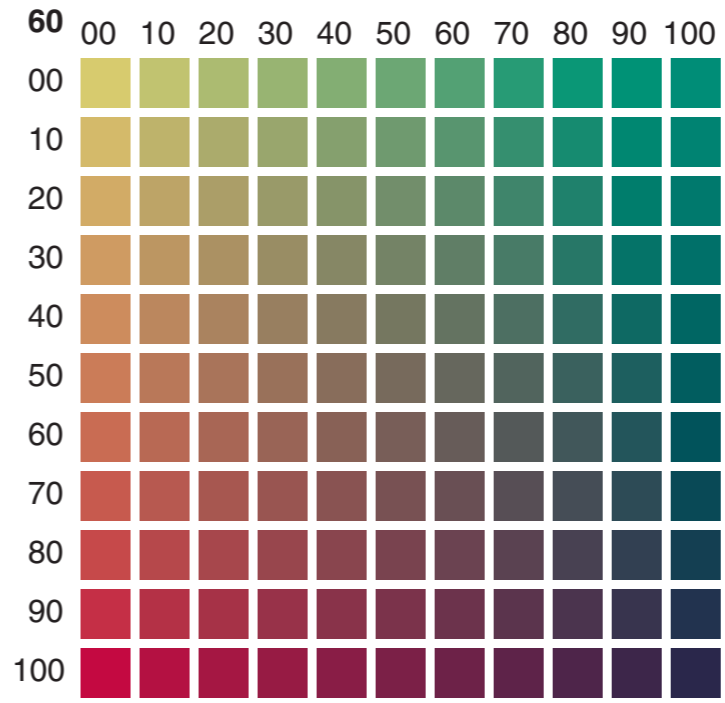
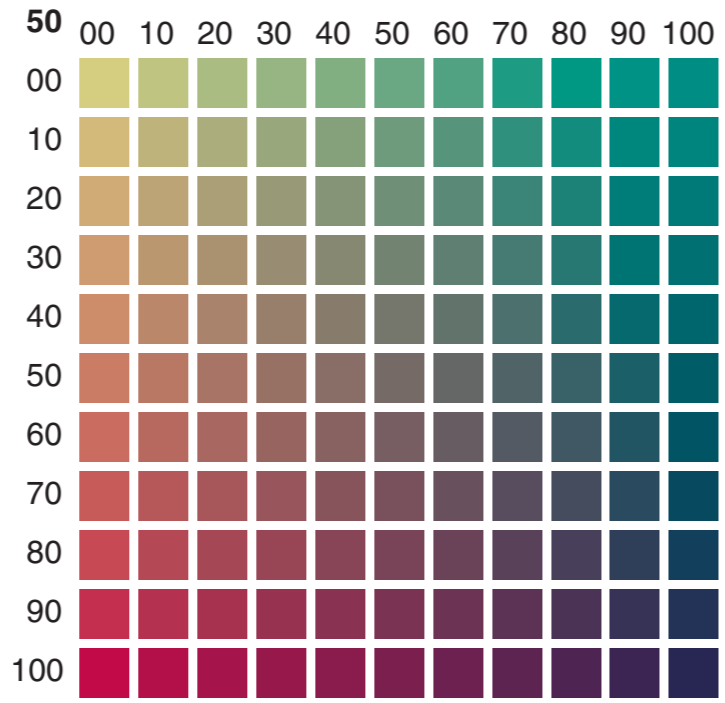
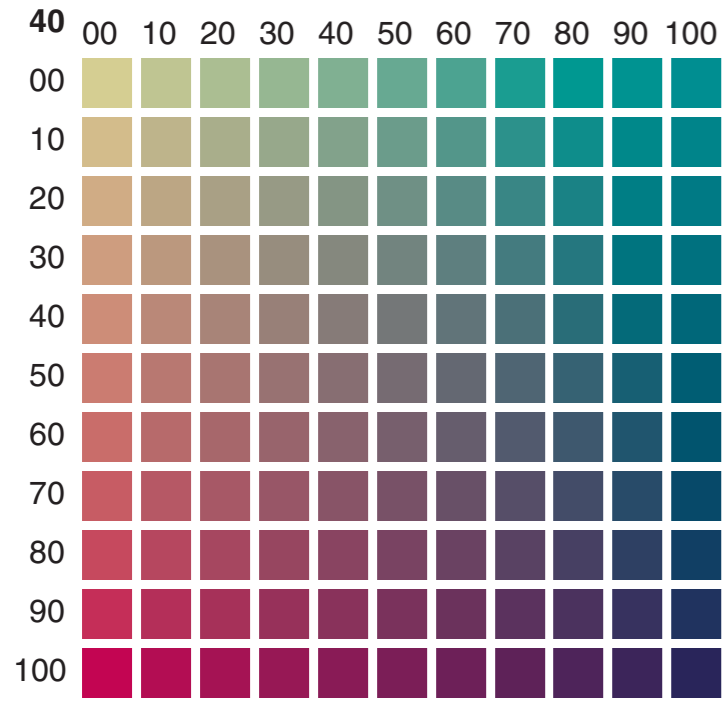
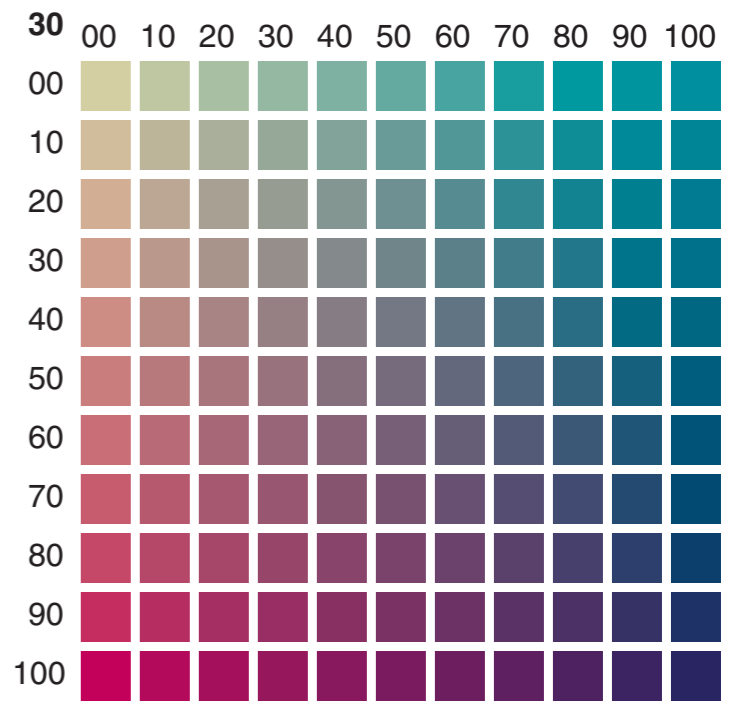
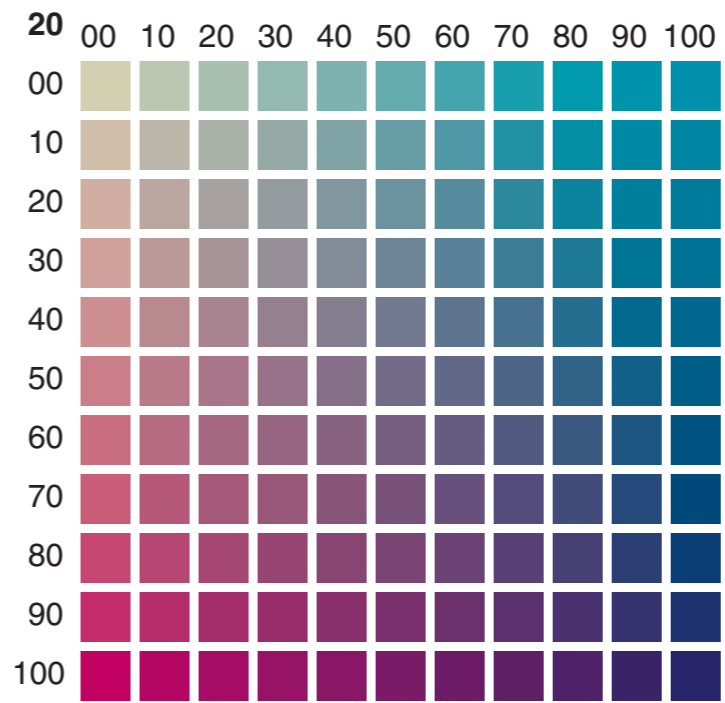
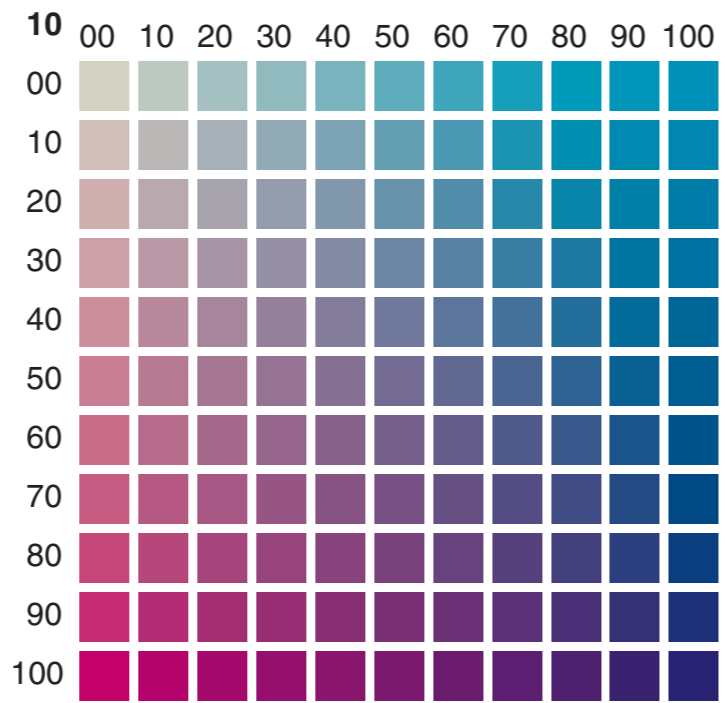
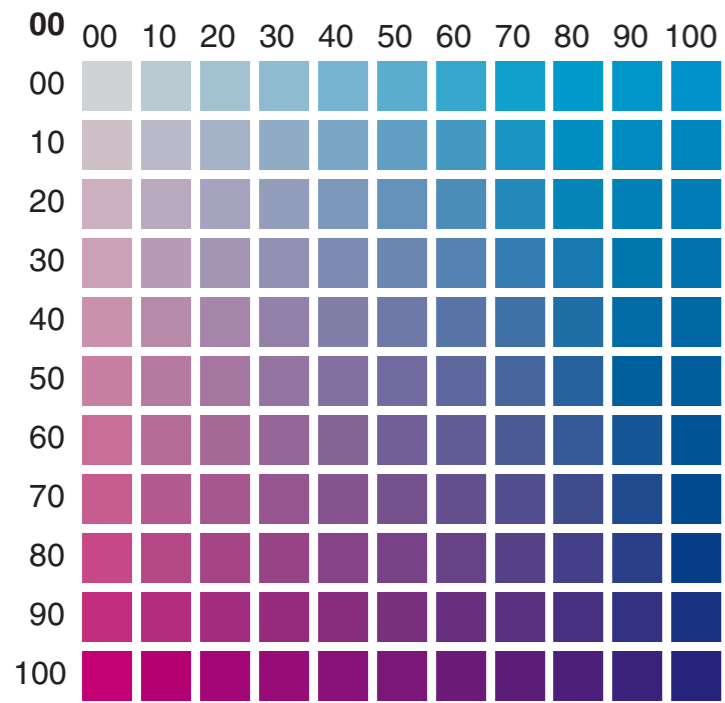
Website
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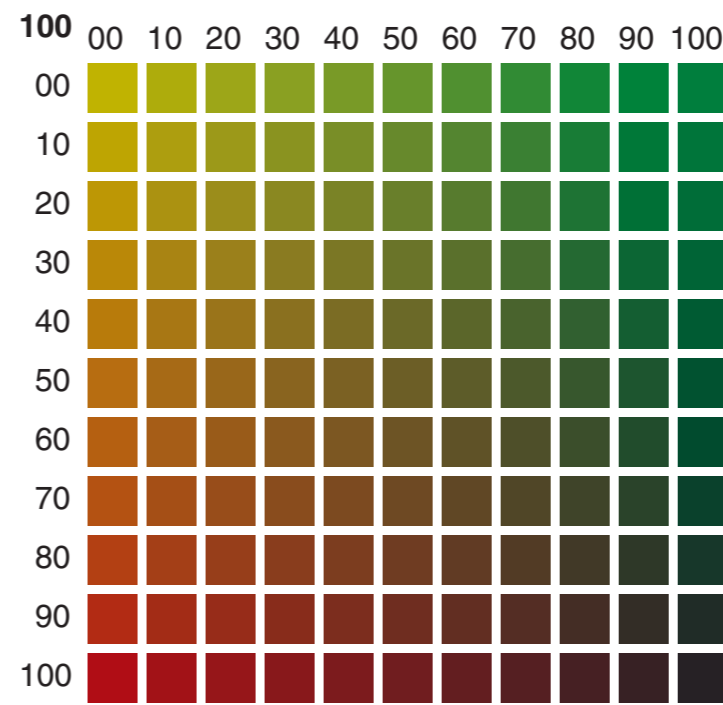
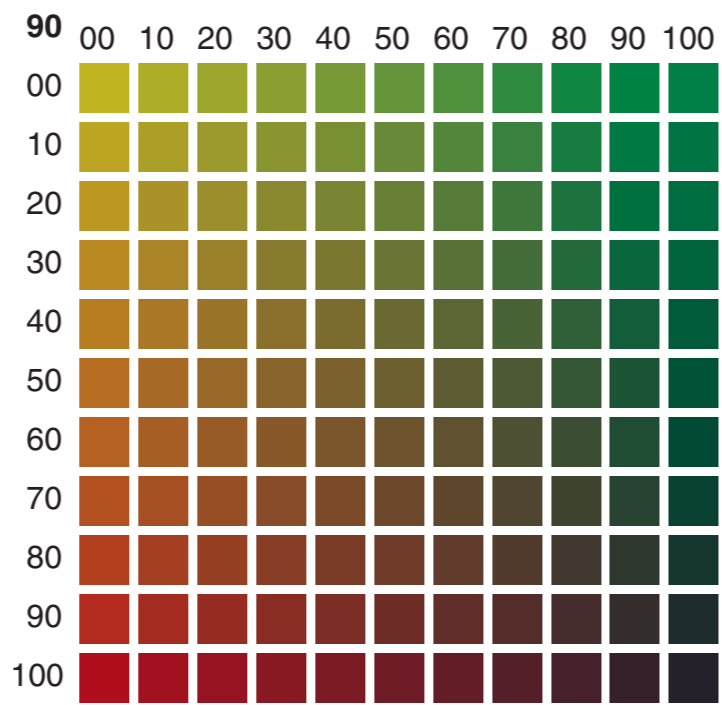
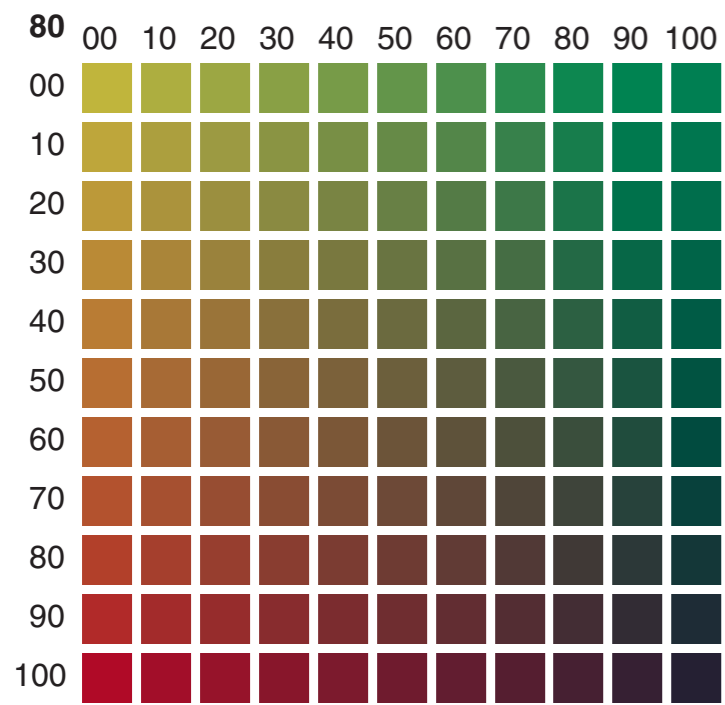
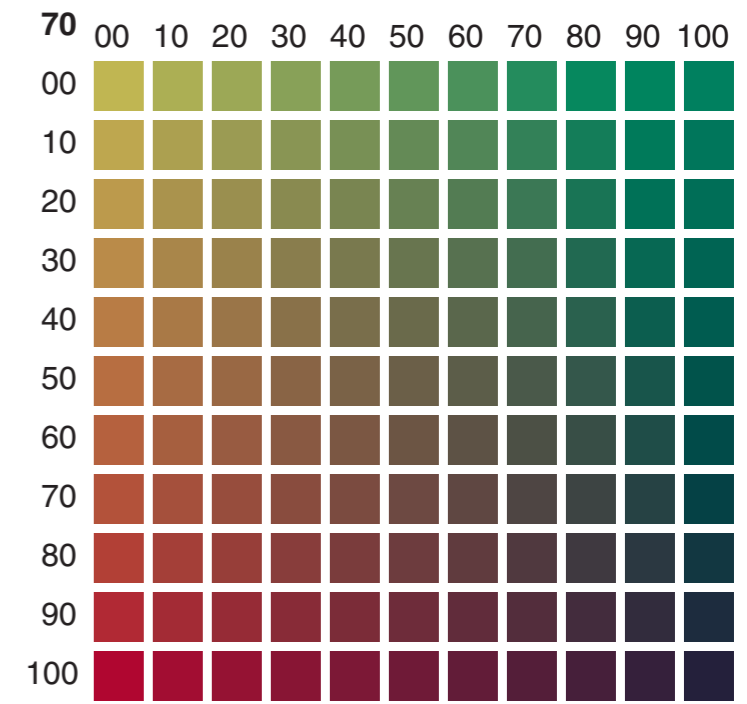
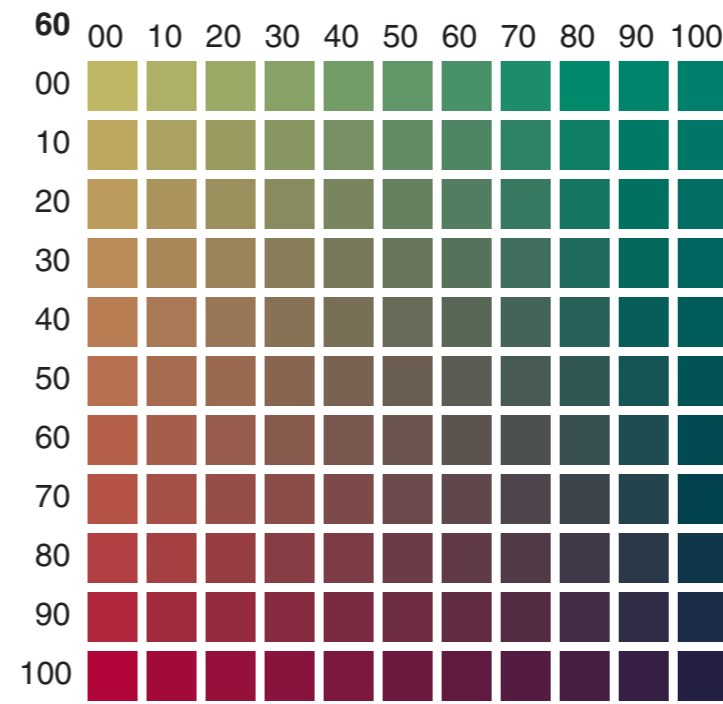
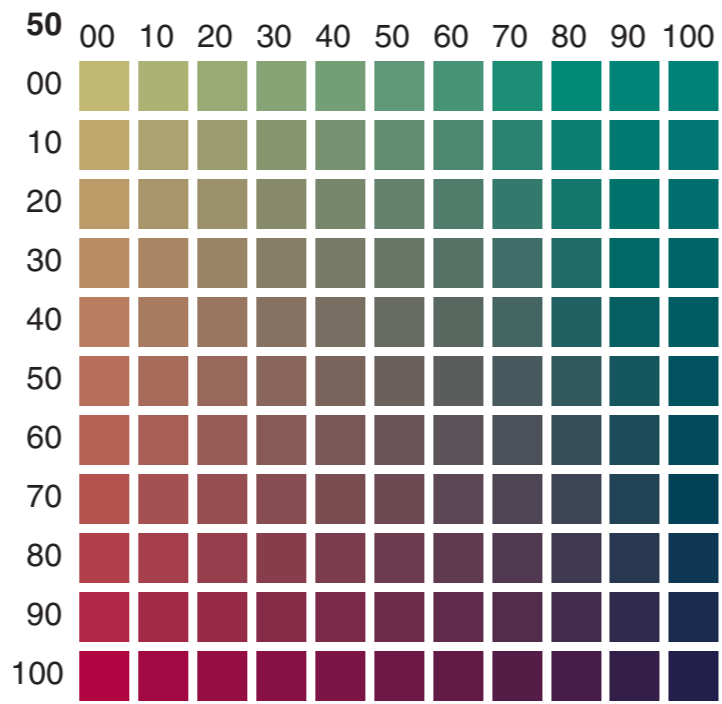
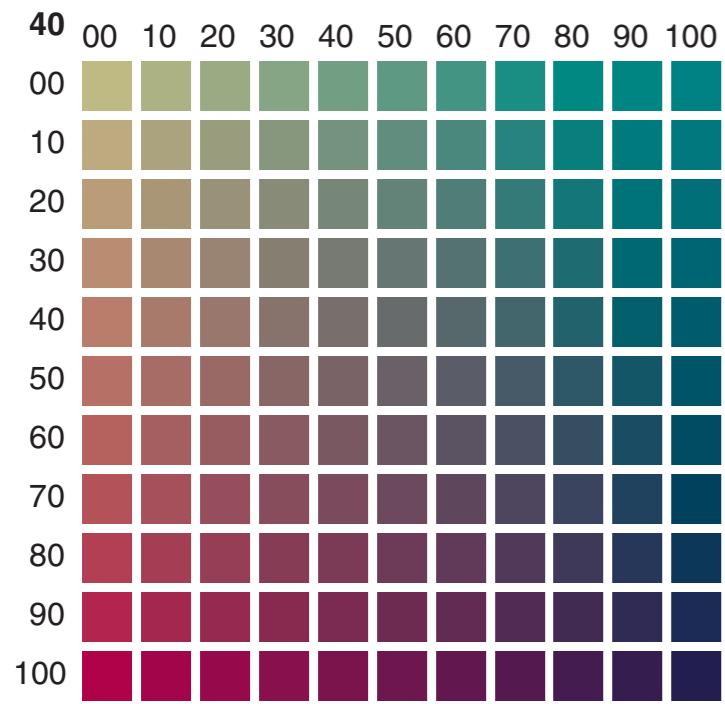
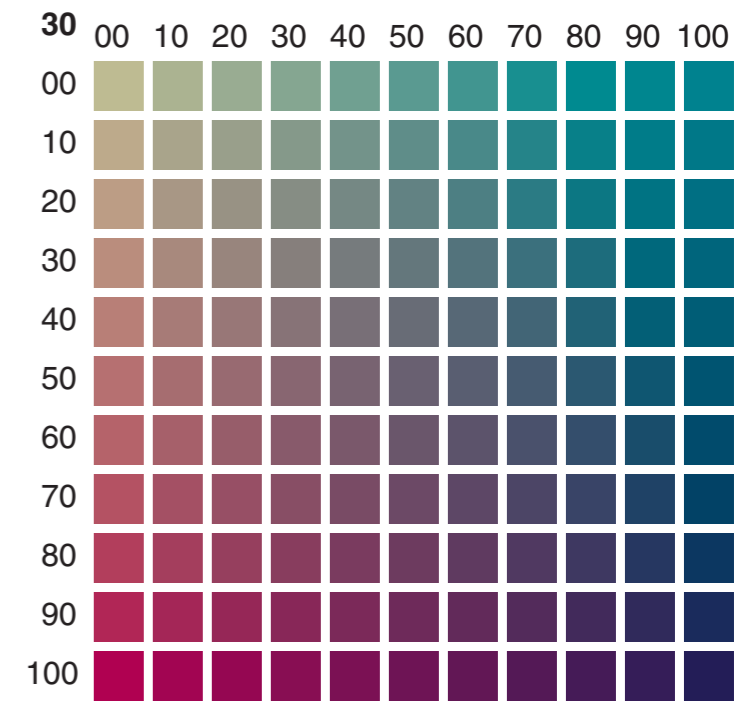
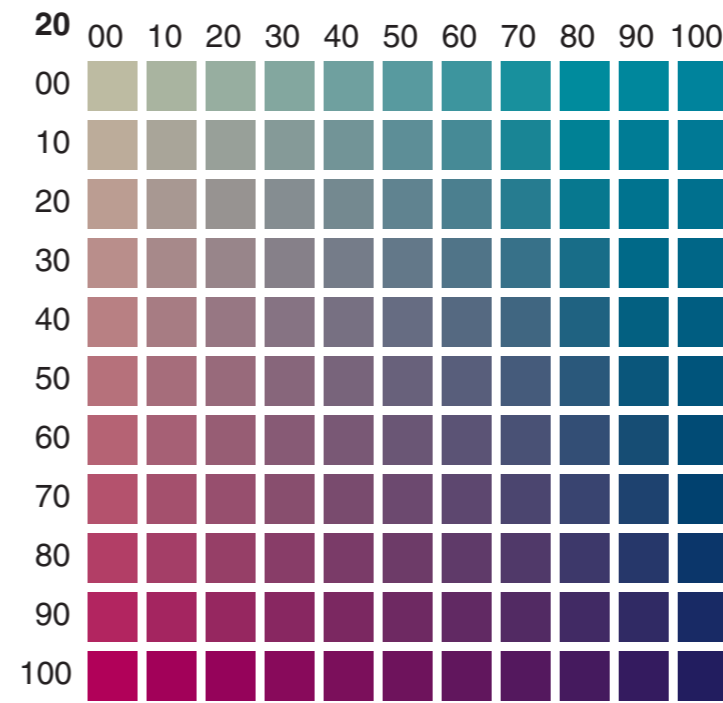
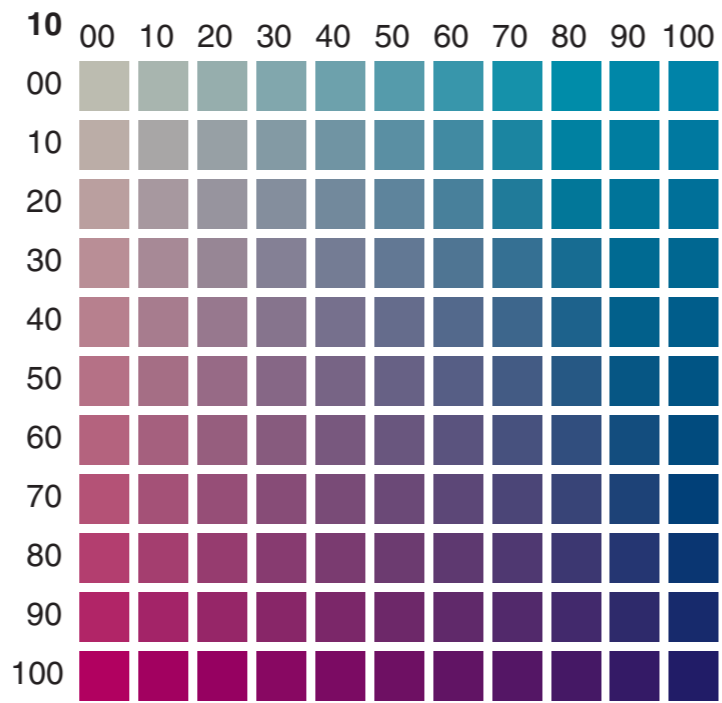
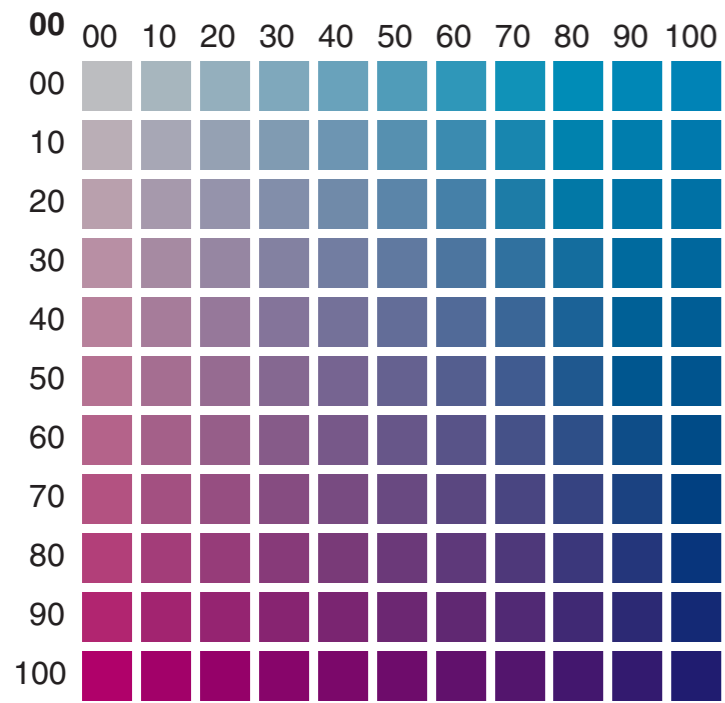
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Horizontal Cyan
Vertical Magenta
Black K = 000



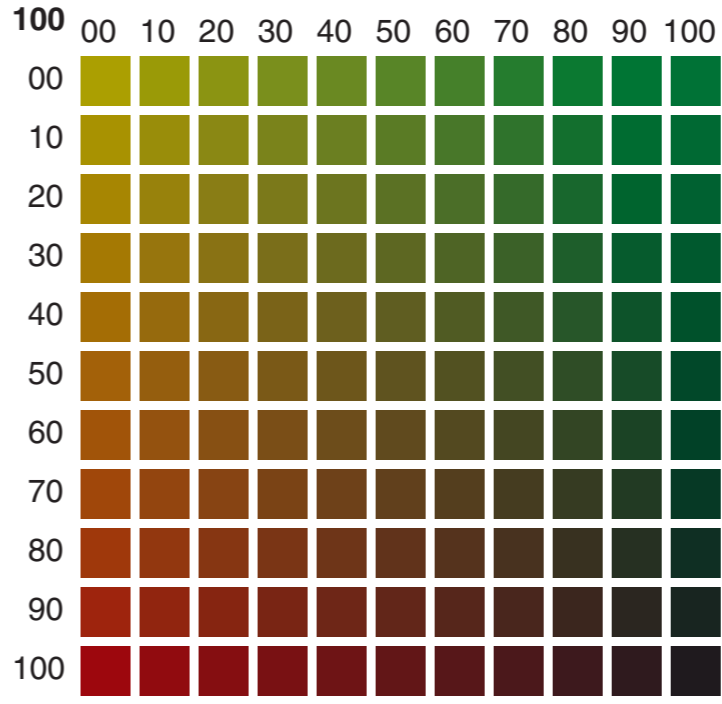
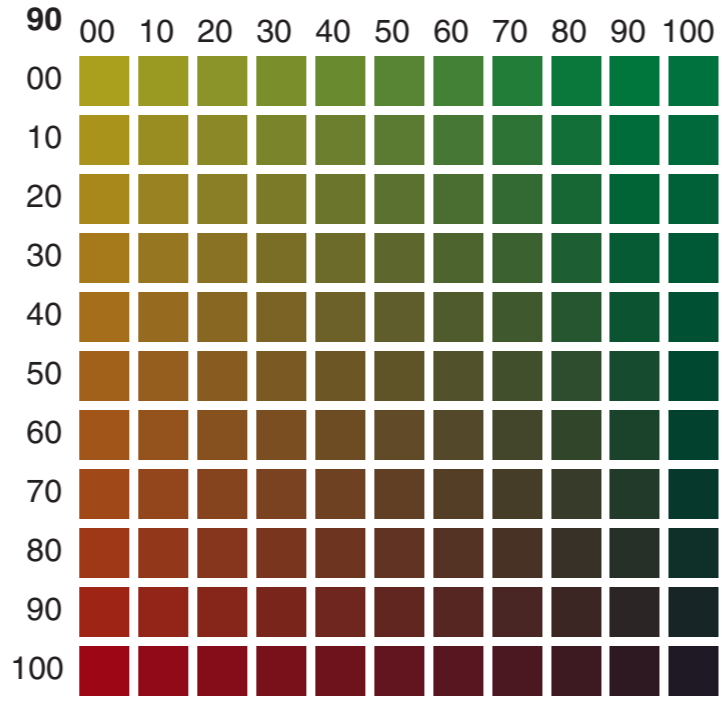
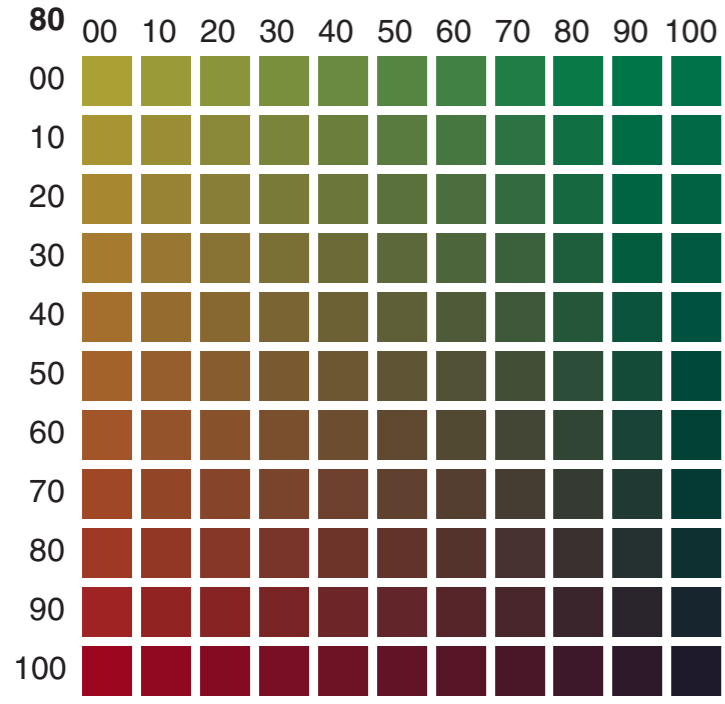
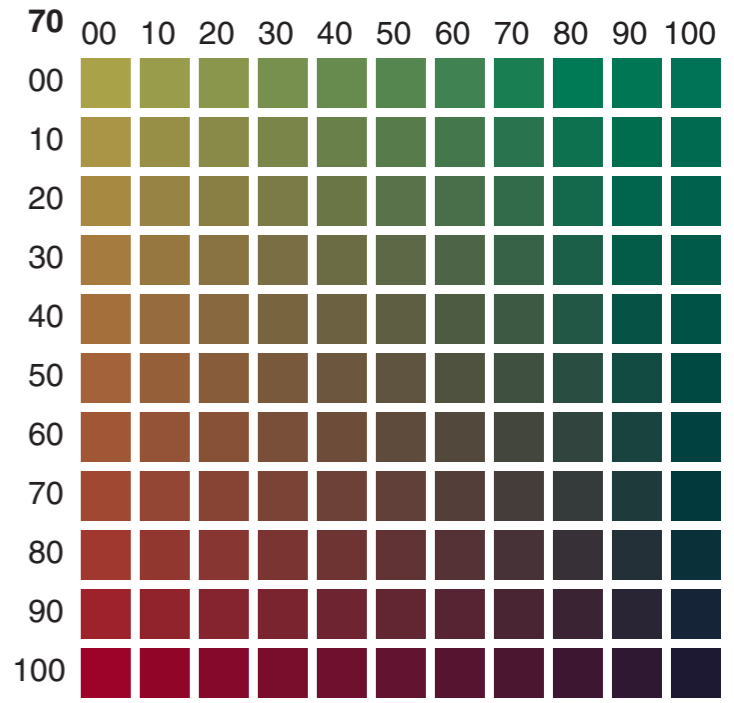
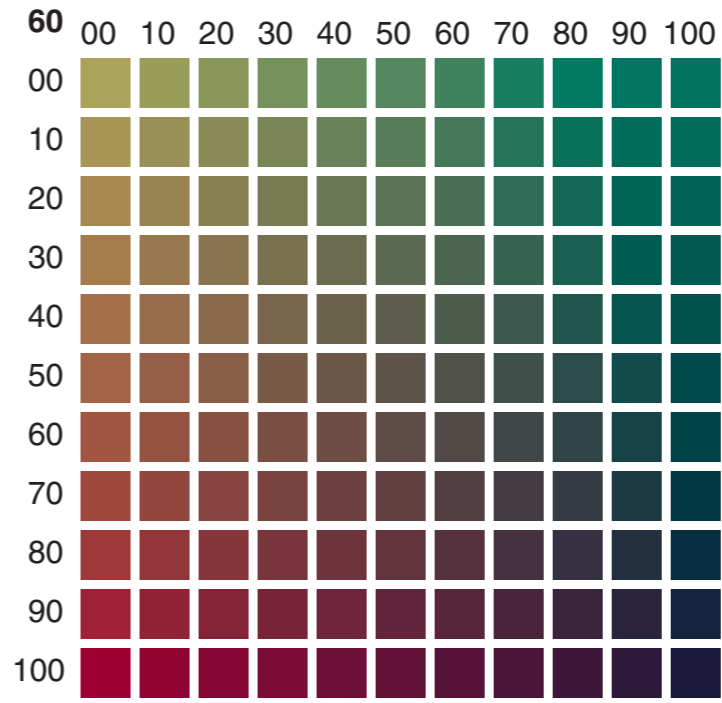
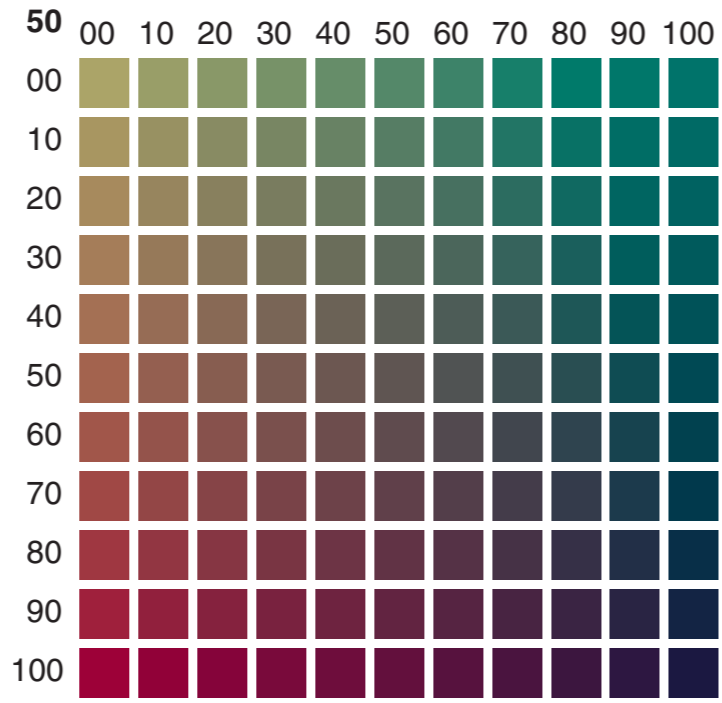
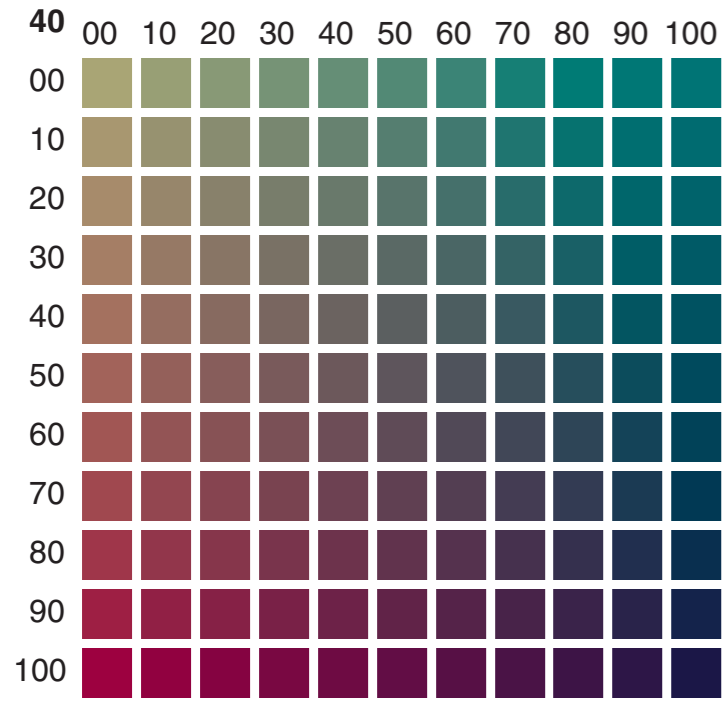
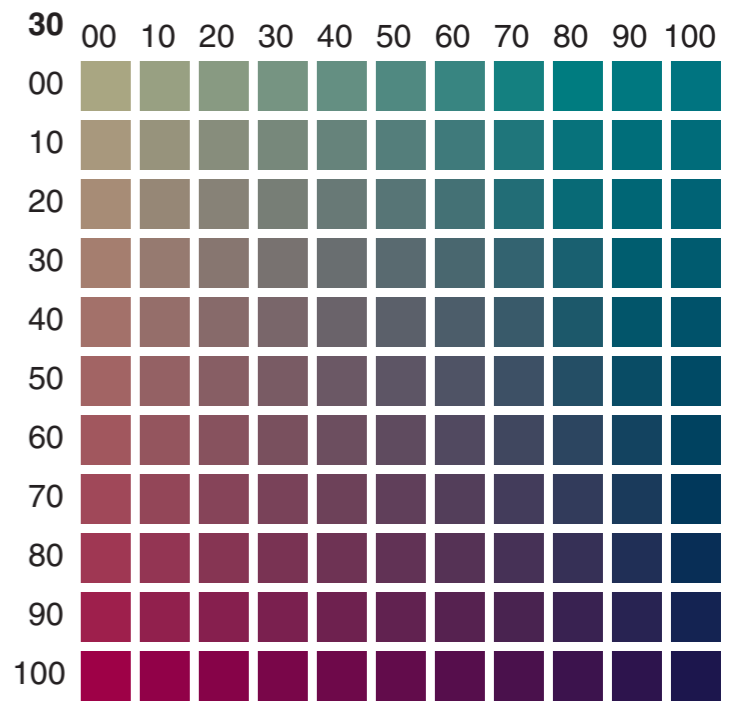
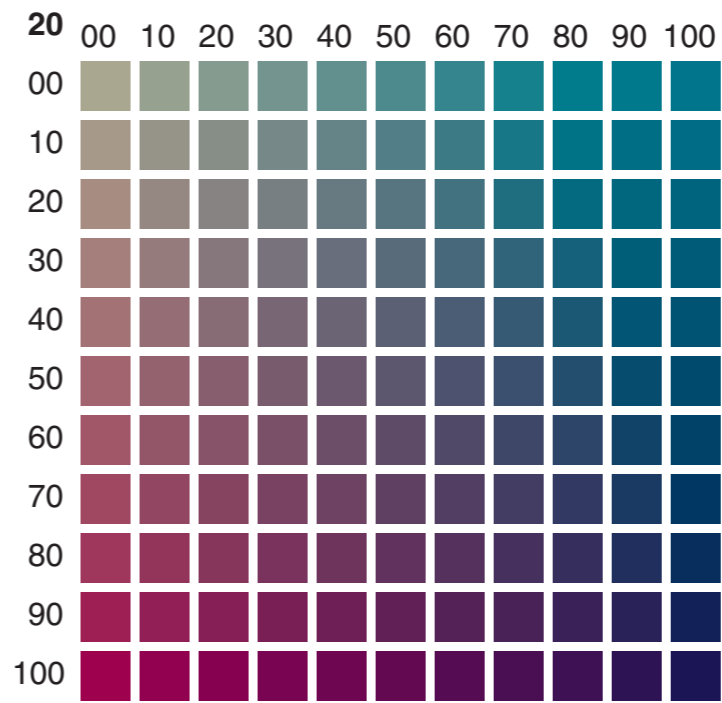
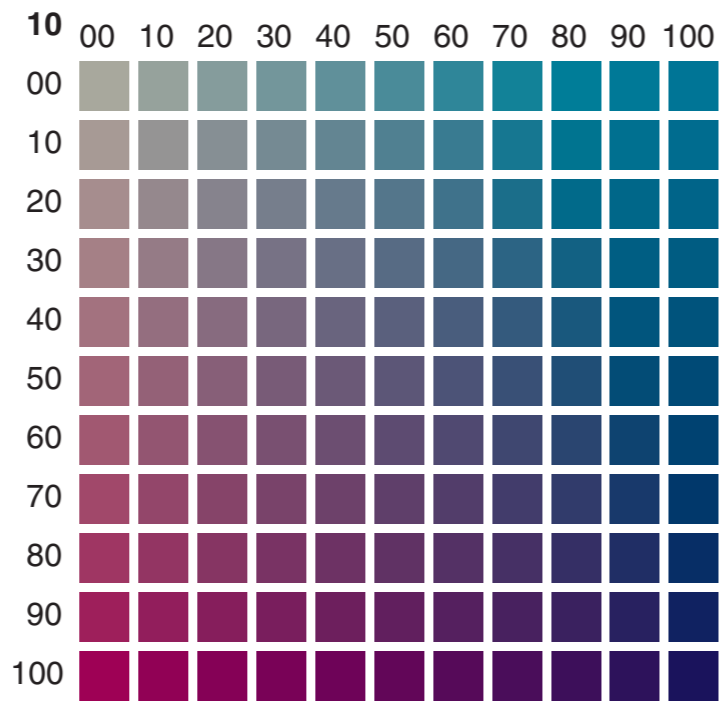
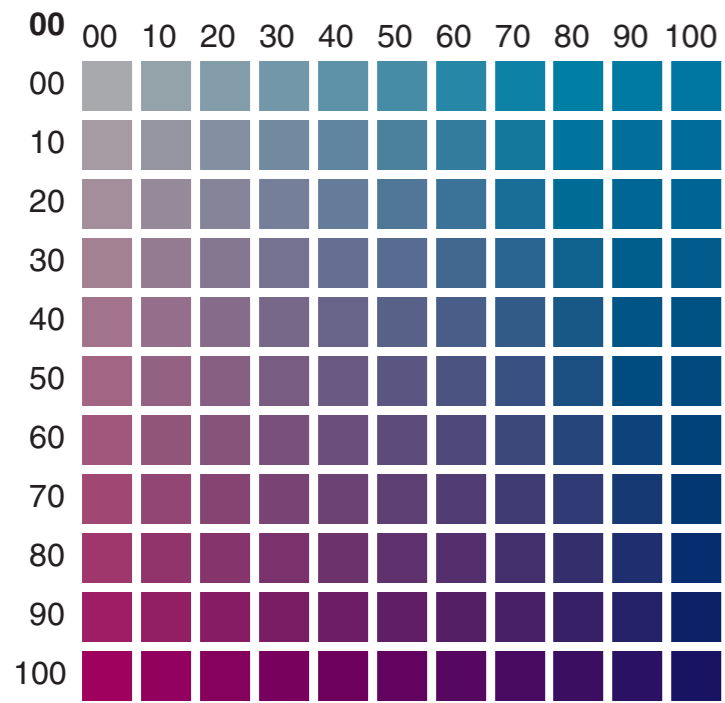
Bold Number Yellow
Horizontal Cyan
Vertical Magenta
Black K = 010



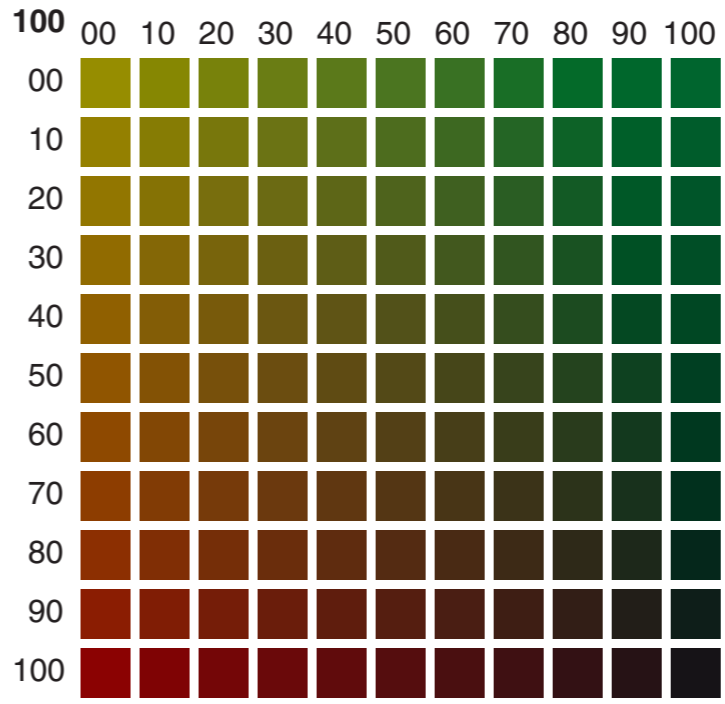
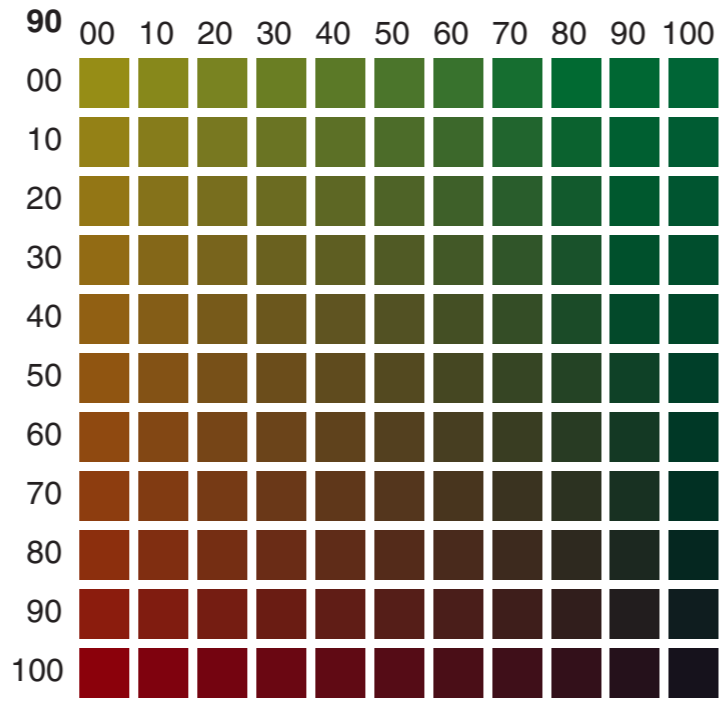
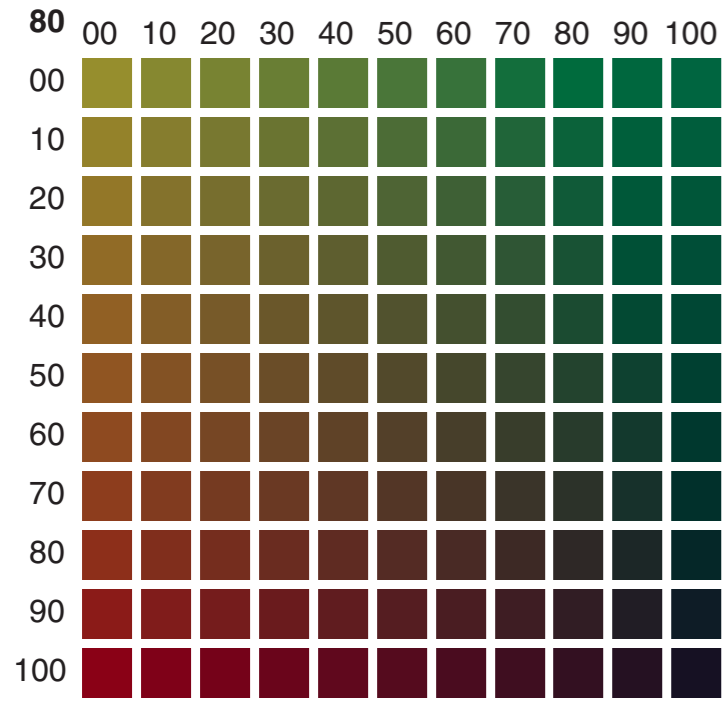
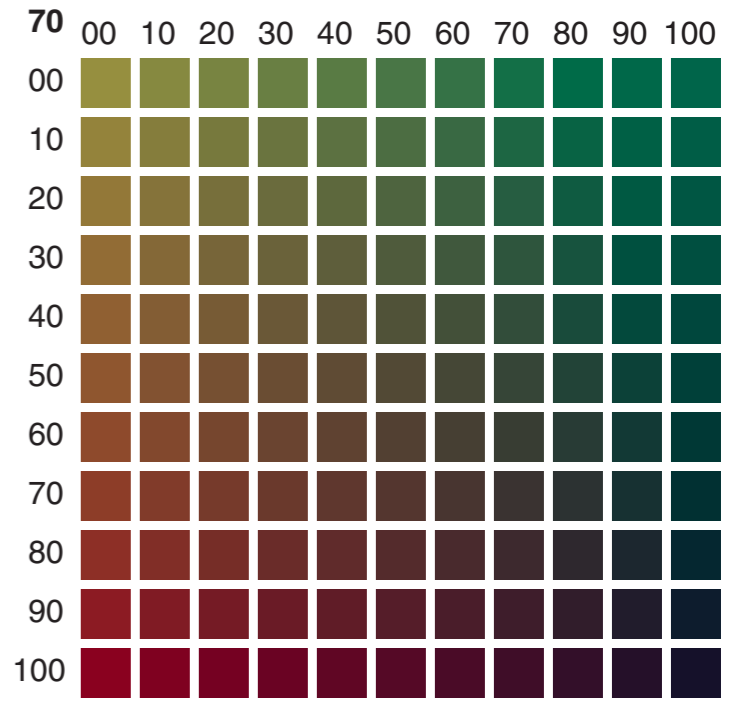
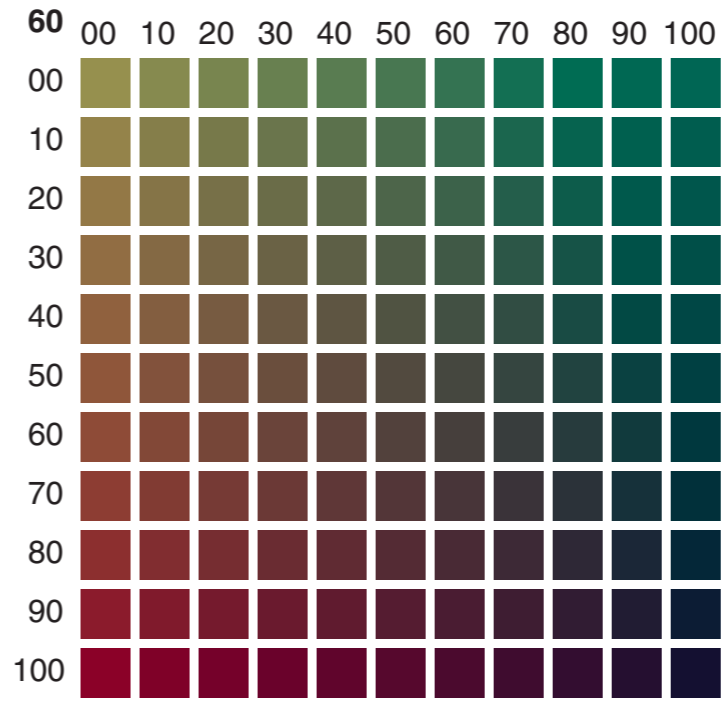
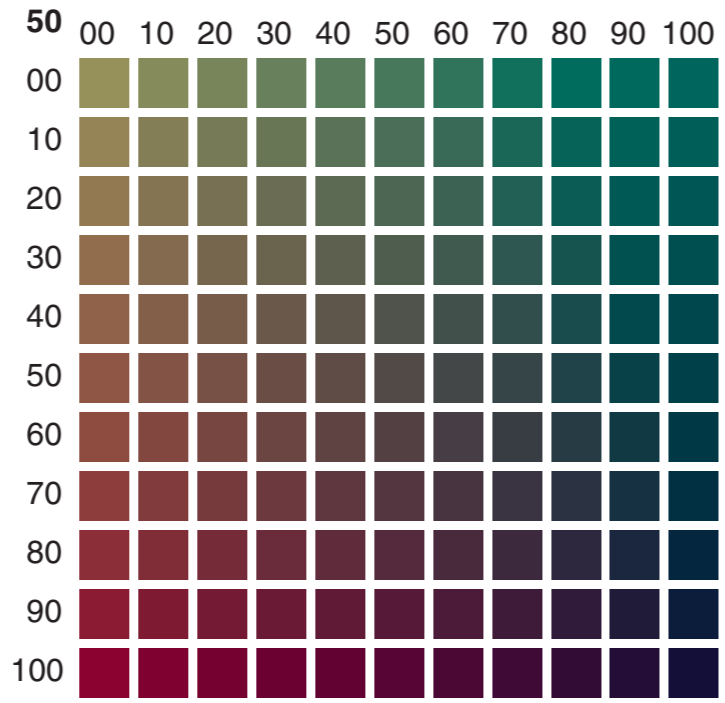
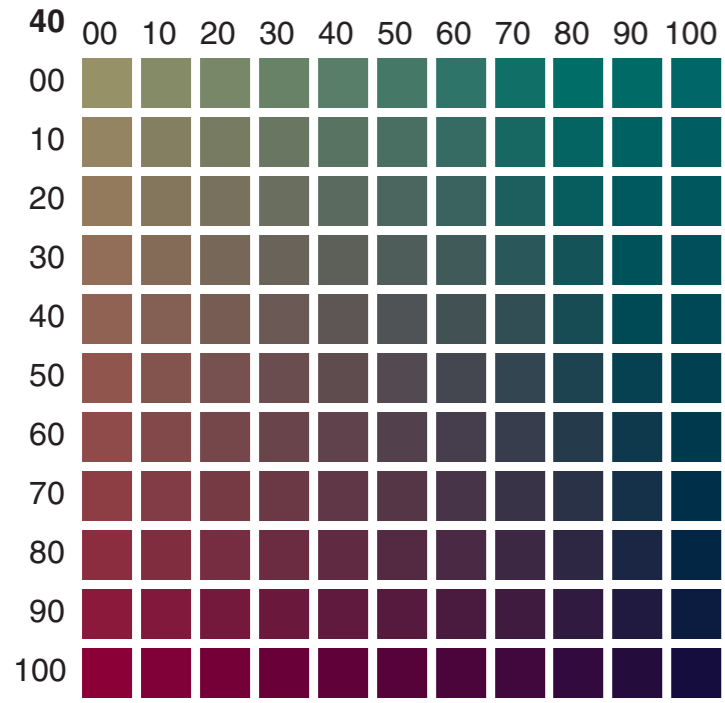
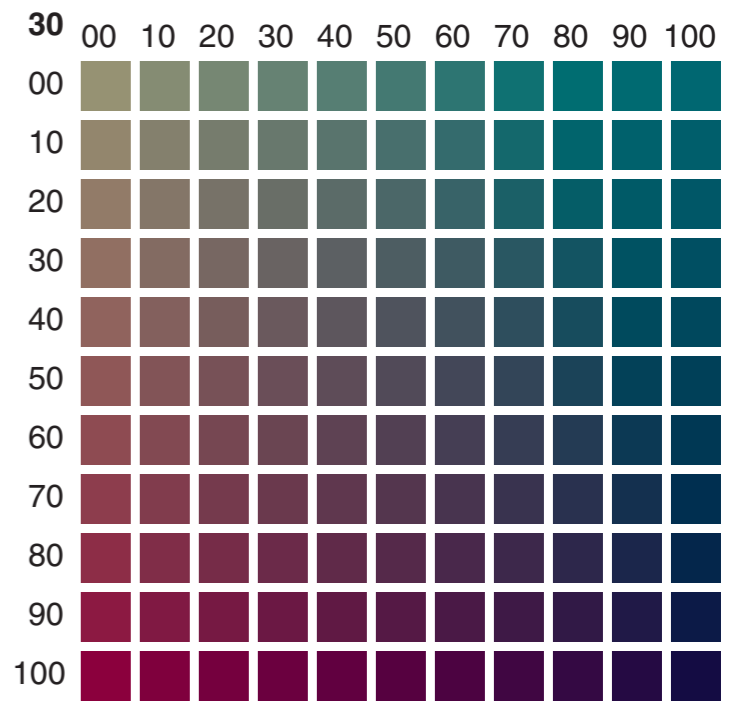
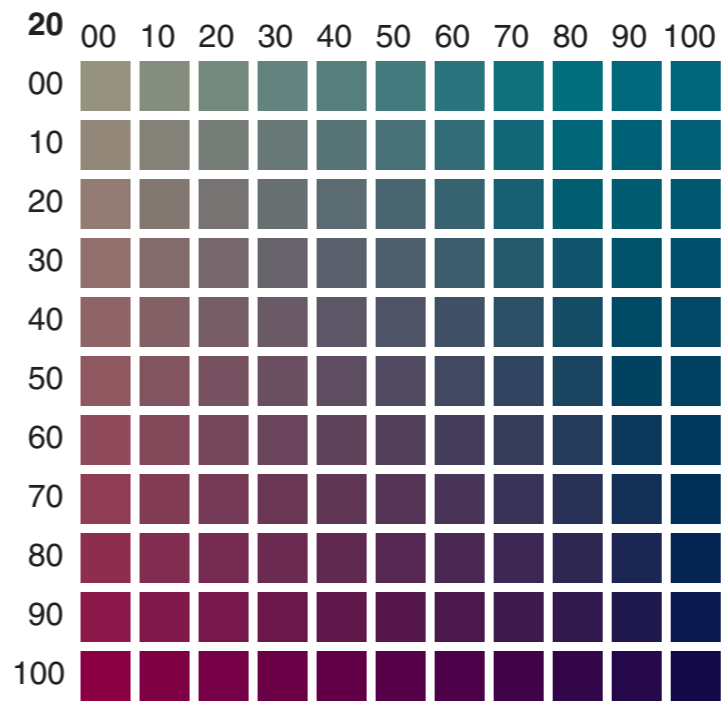
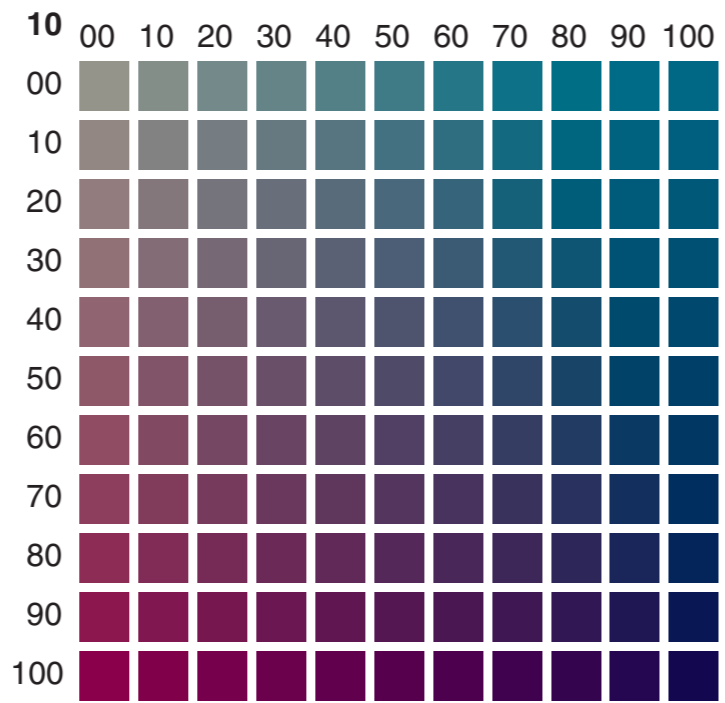
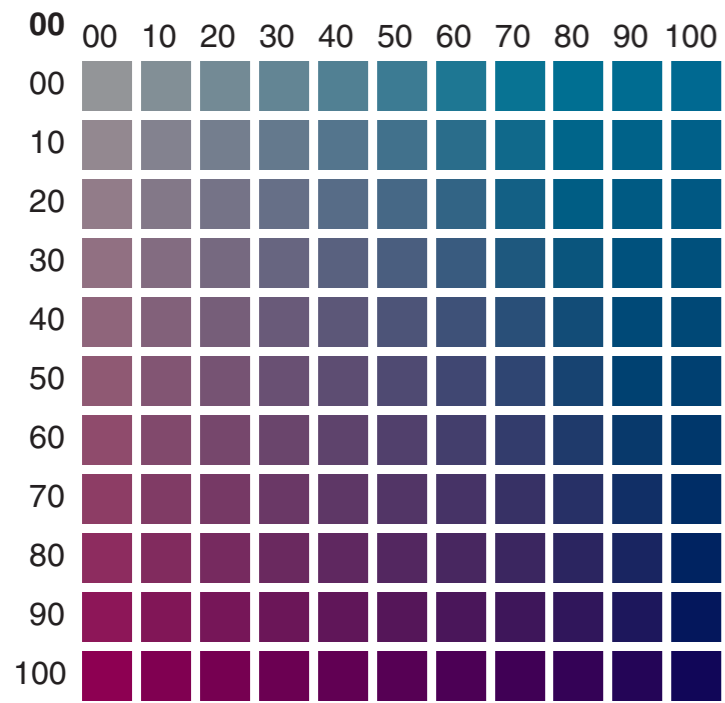
Bold Number Yellow
Horizontal Cyan
Vertical Magenta
Black K = 020



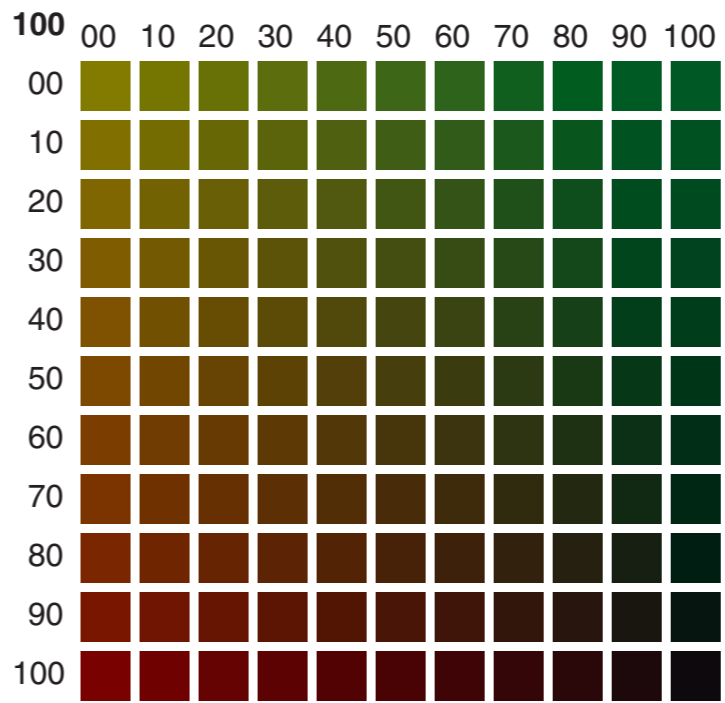
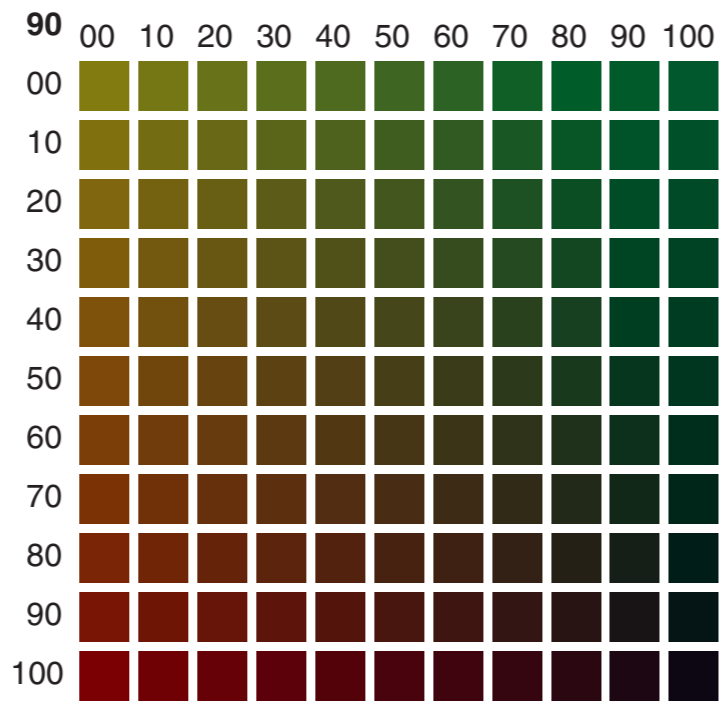
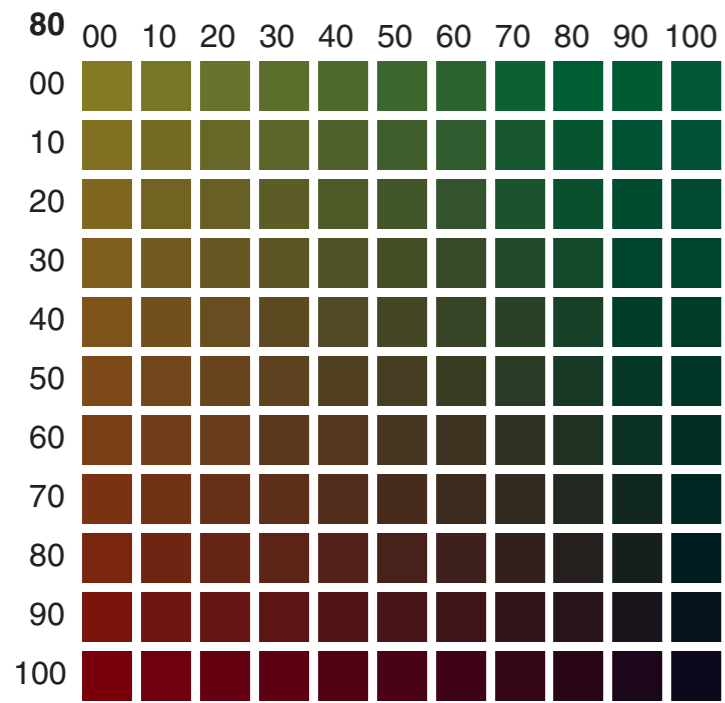
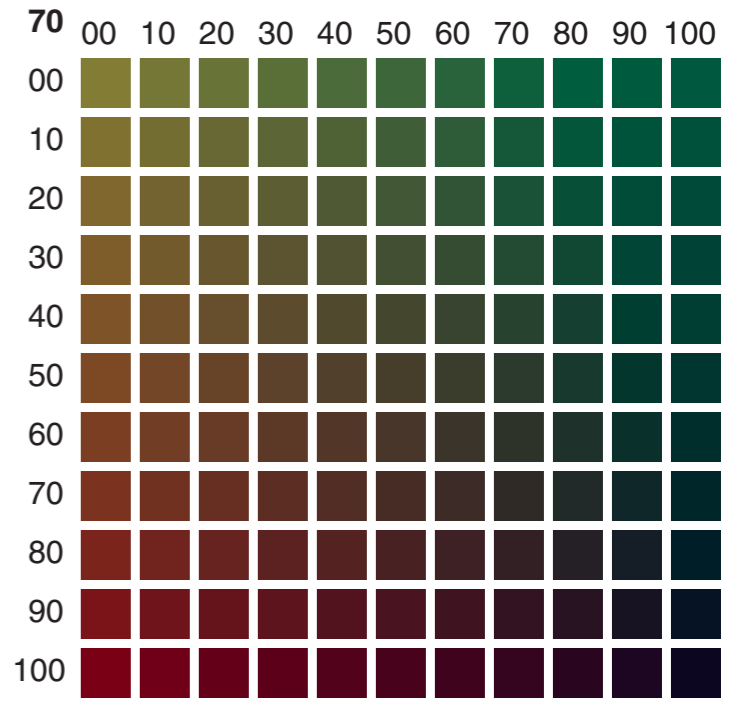
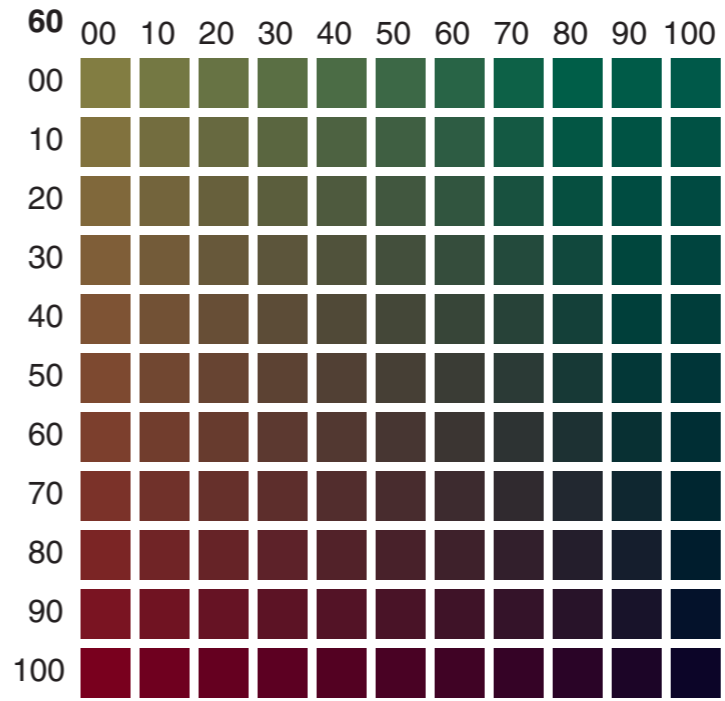
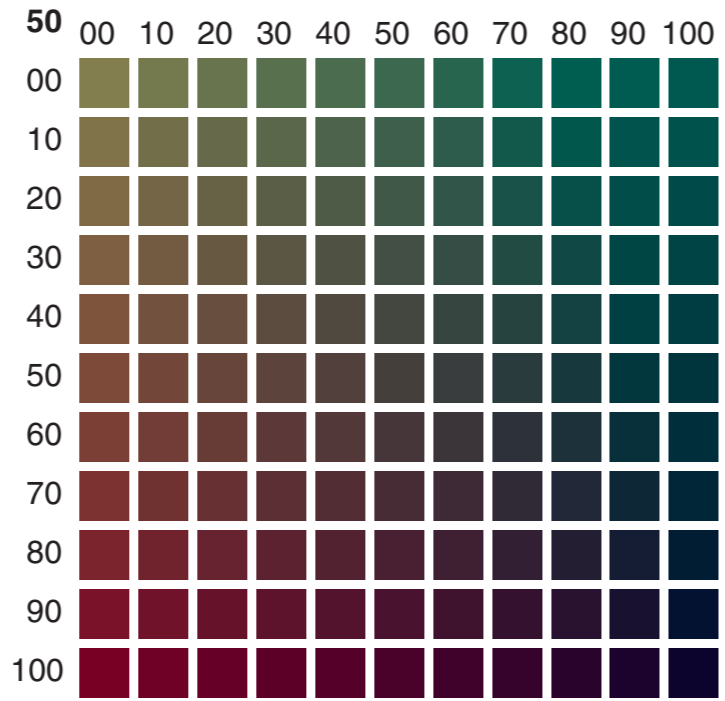
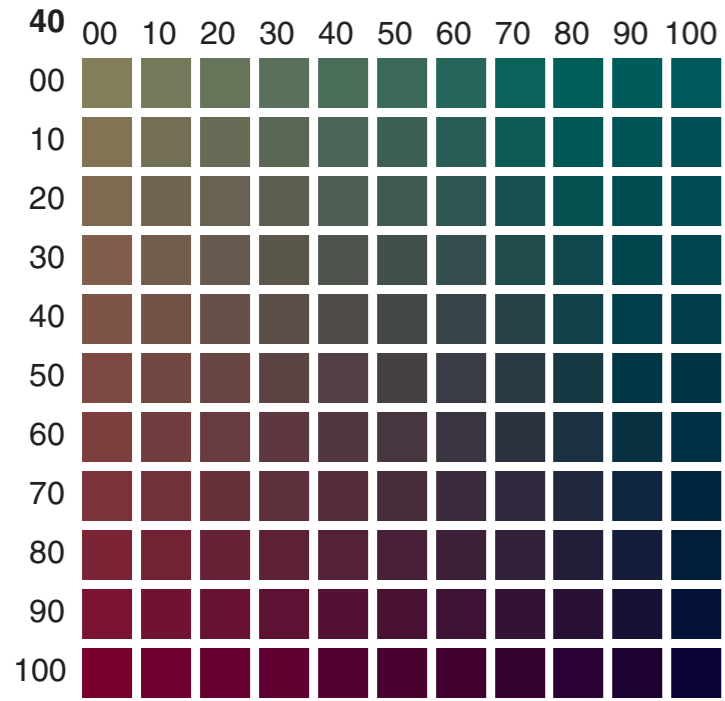
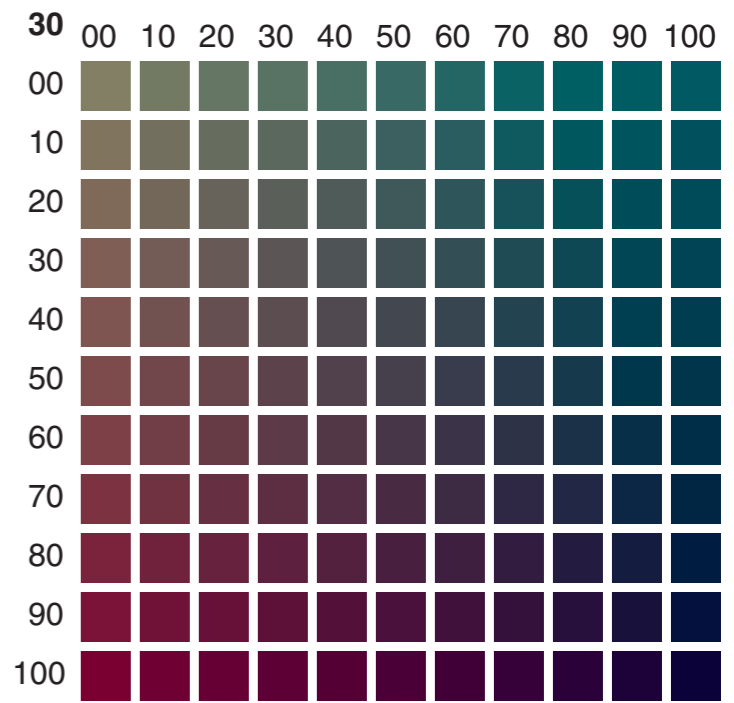
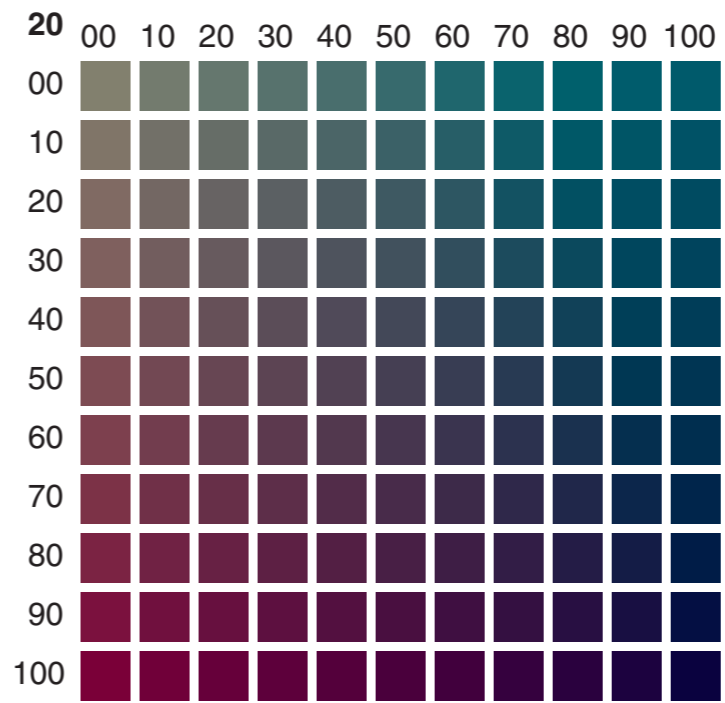
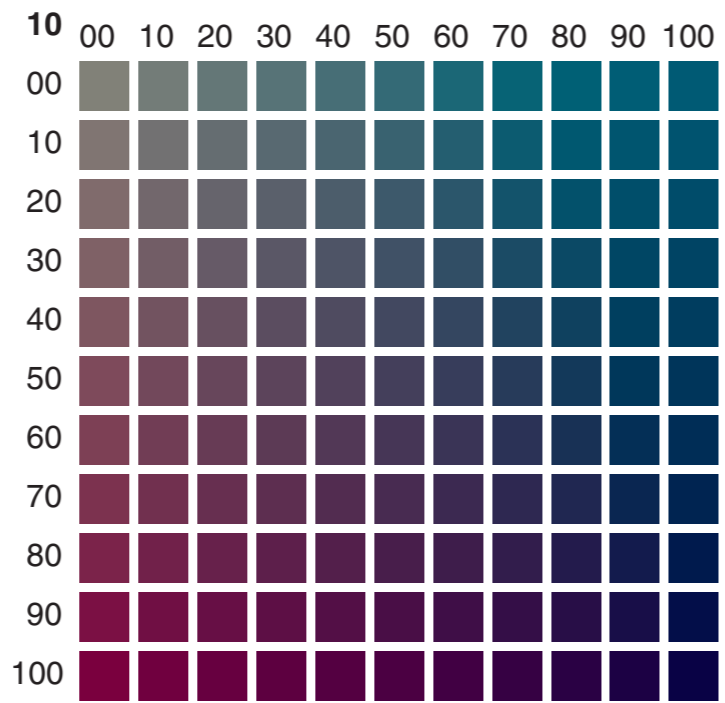
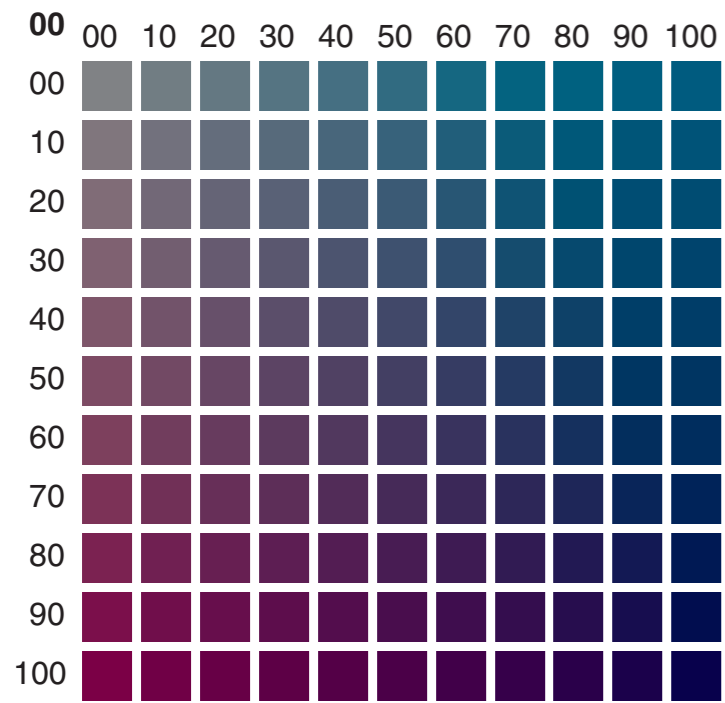
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Horizontal Cyan
Vertical Magenta
Black K = 030



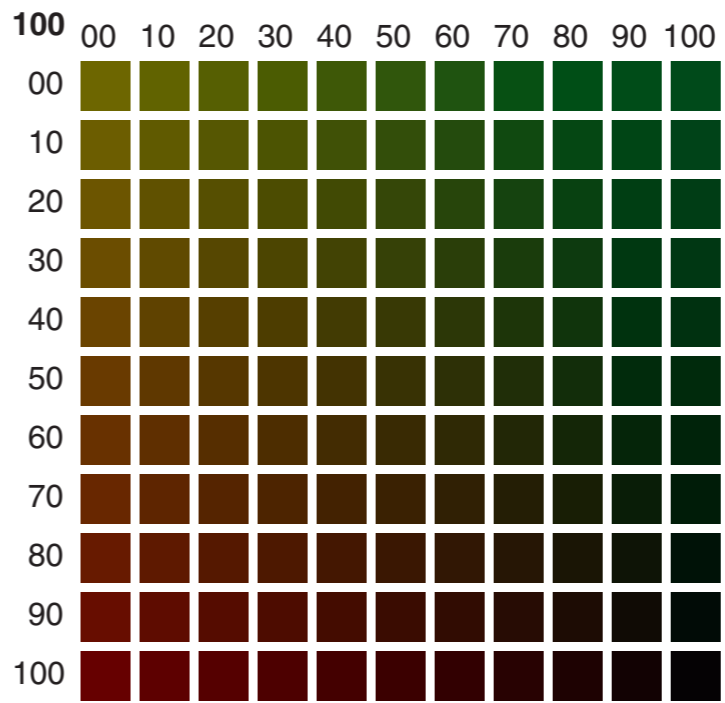
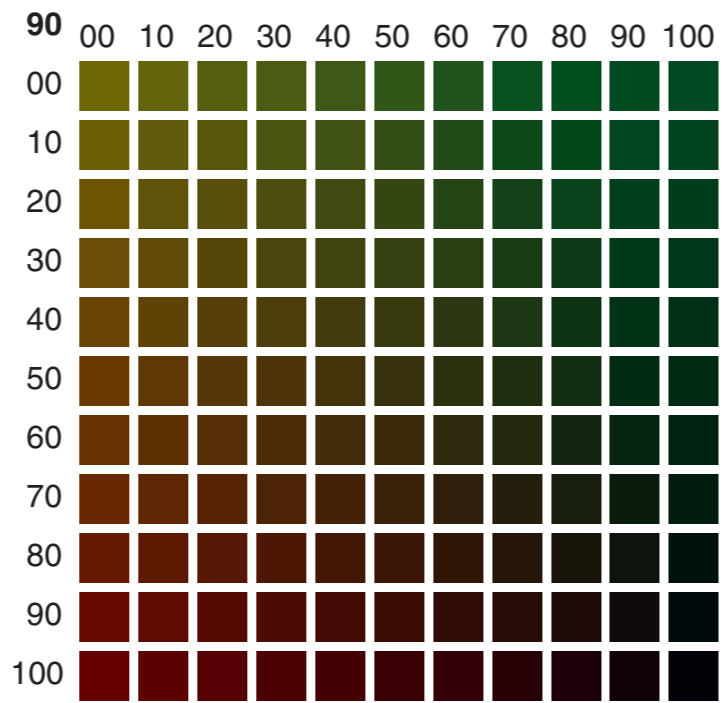
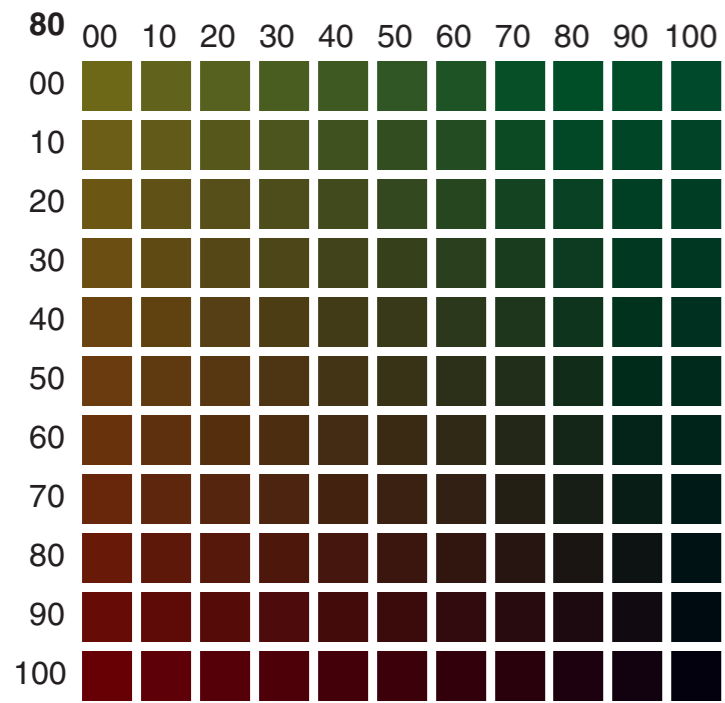
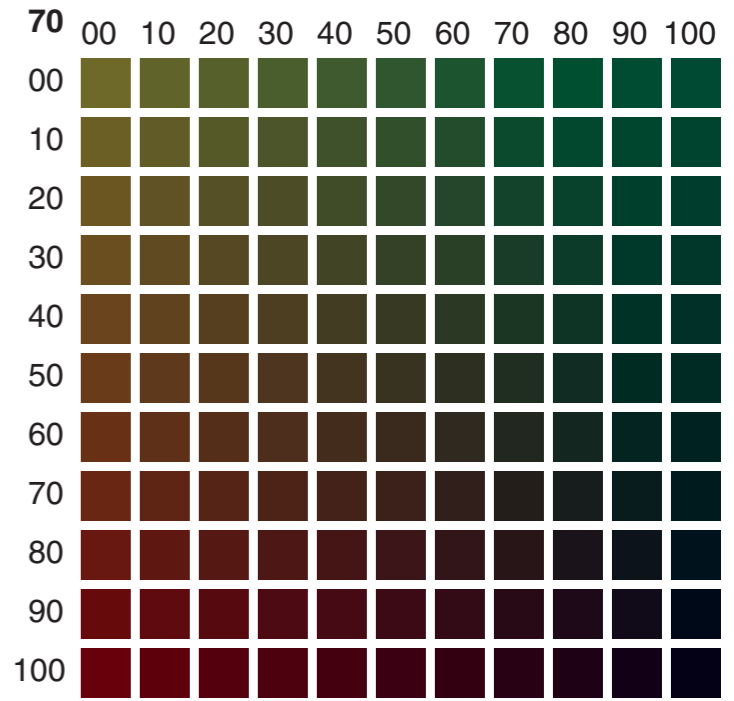
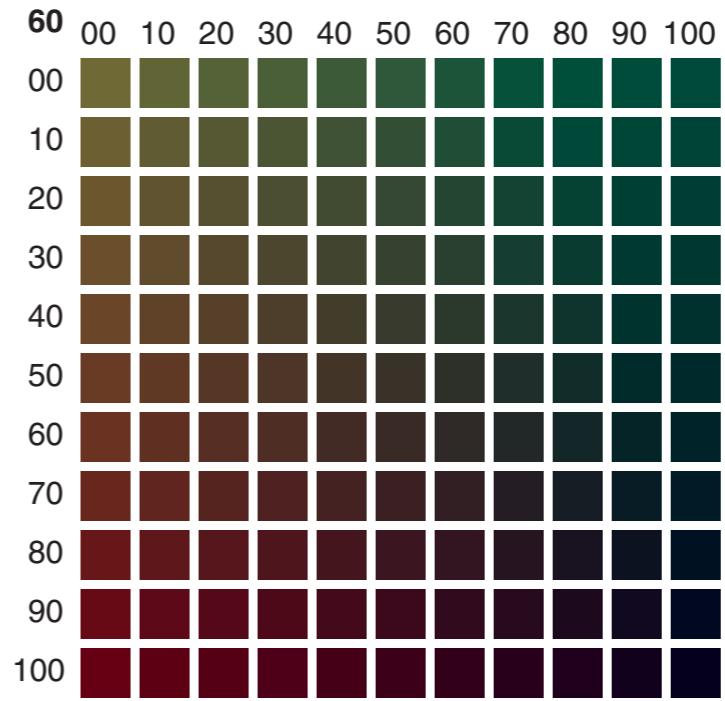
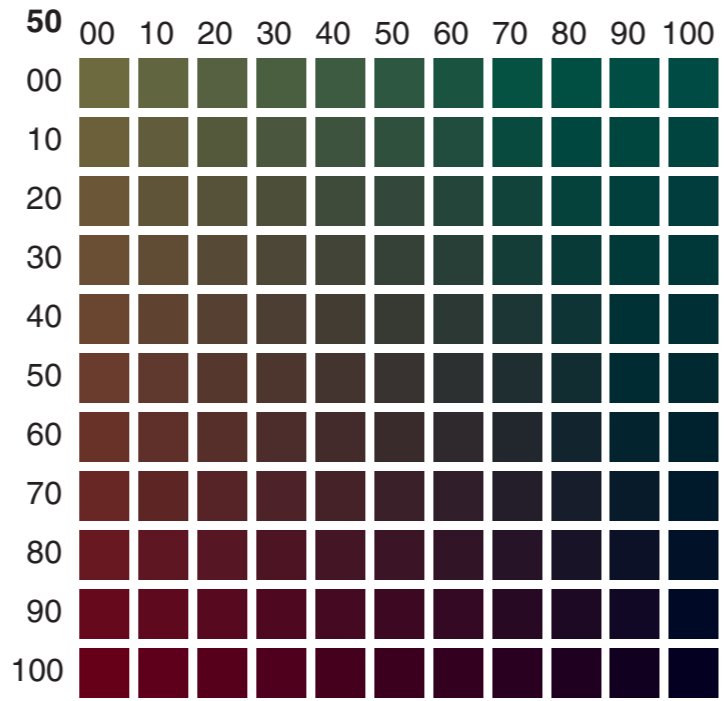
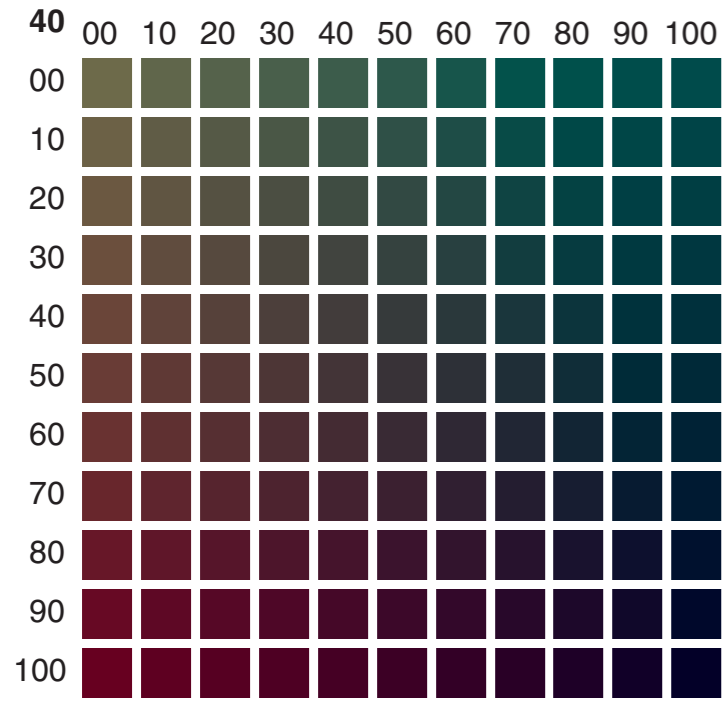
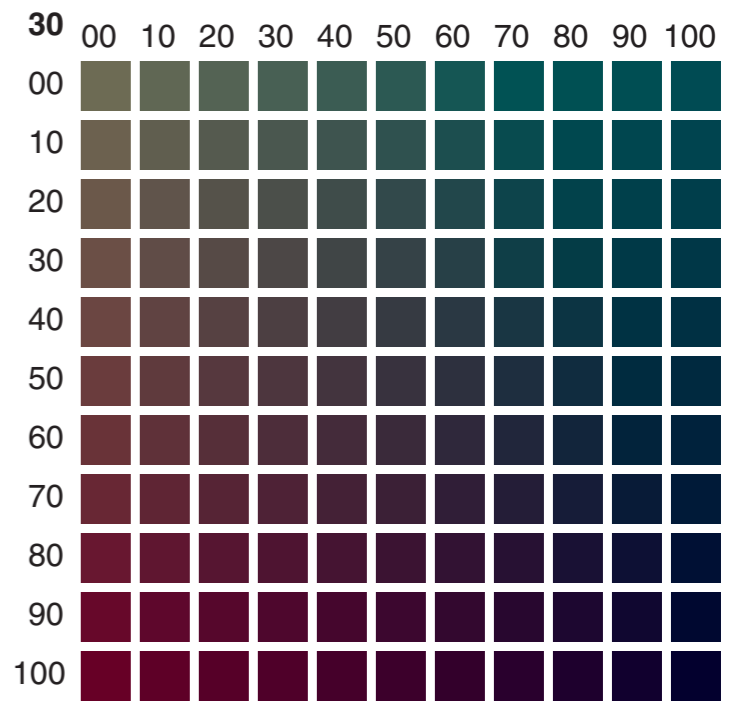
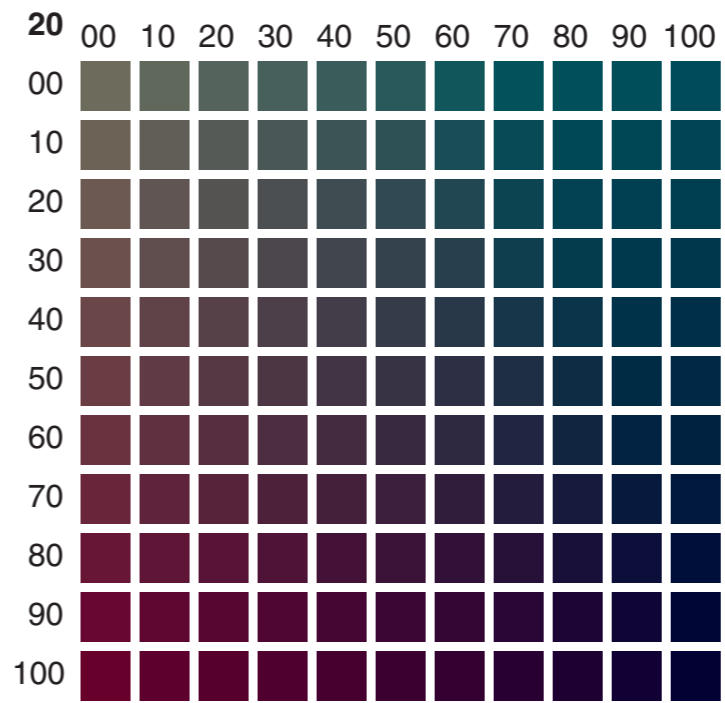
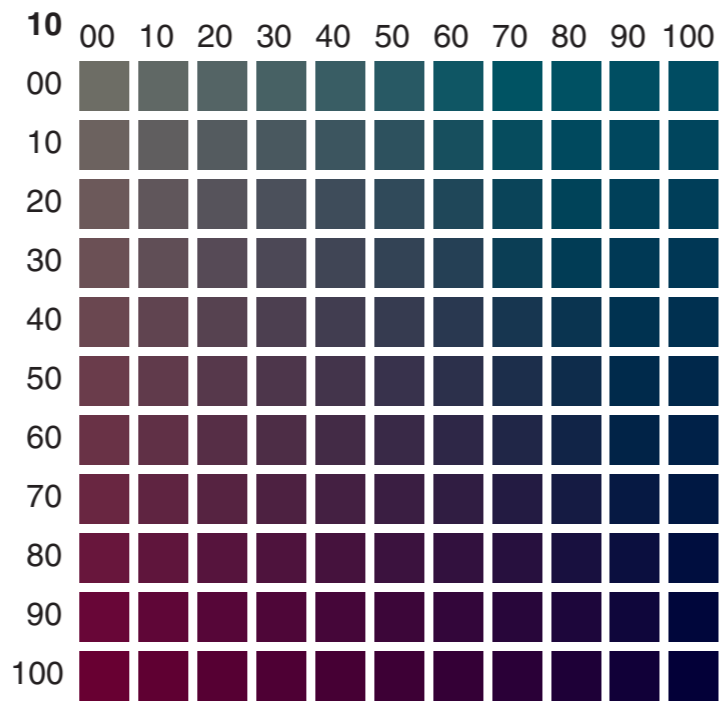
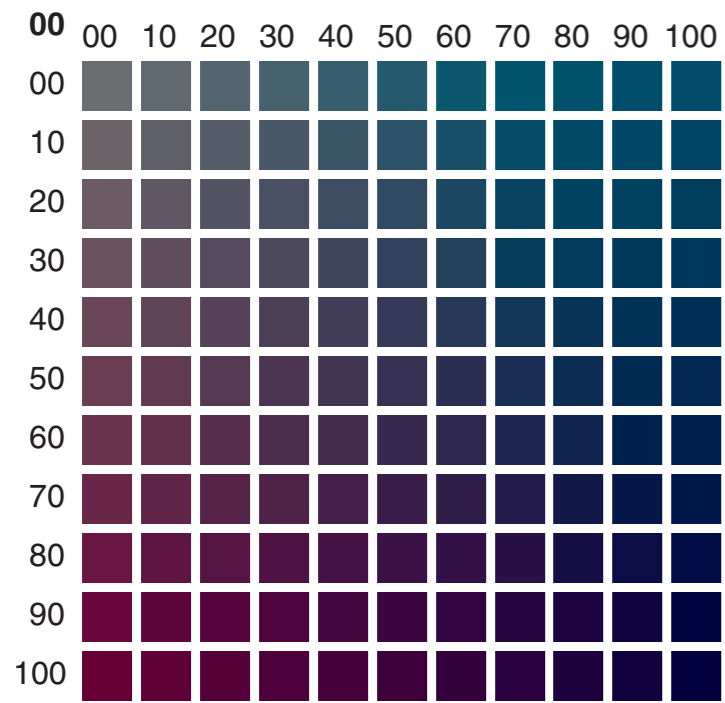
Bold Number Yellow
Horizontal Cyan
Vertical Magenta
Black K = 040



Bold Number Yellow
Horizontal Cyan
Vertical Magenta
Black K = 050

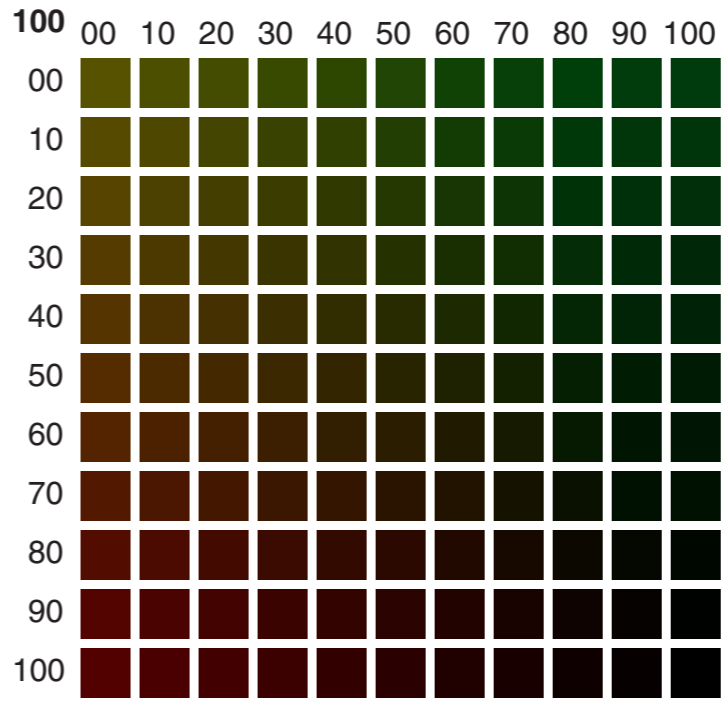
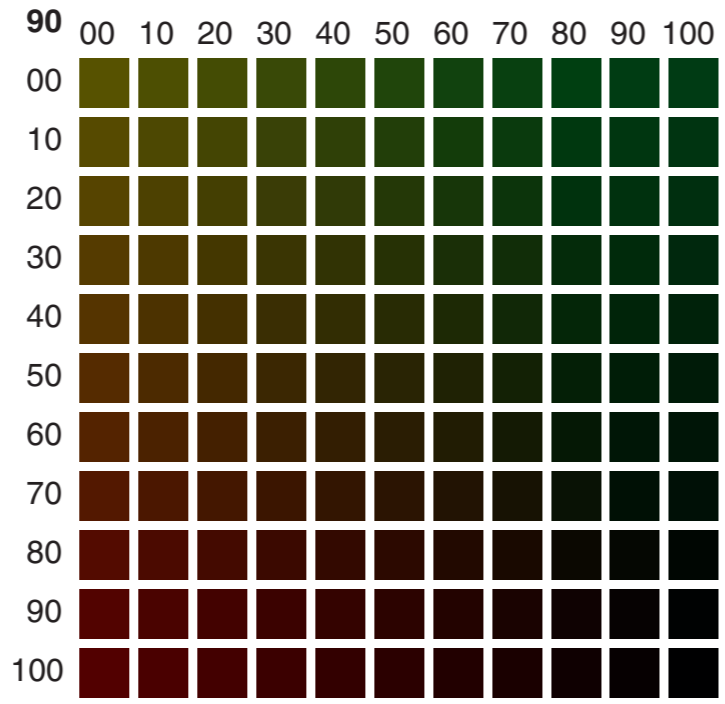
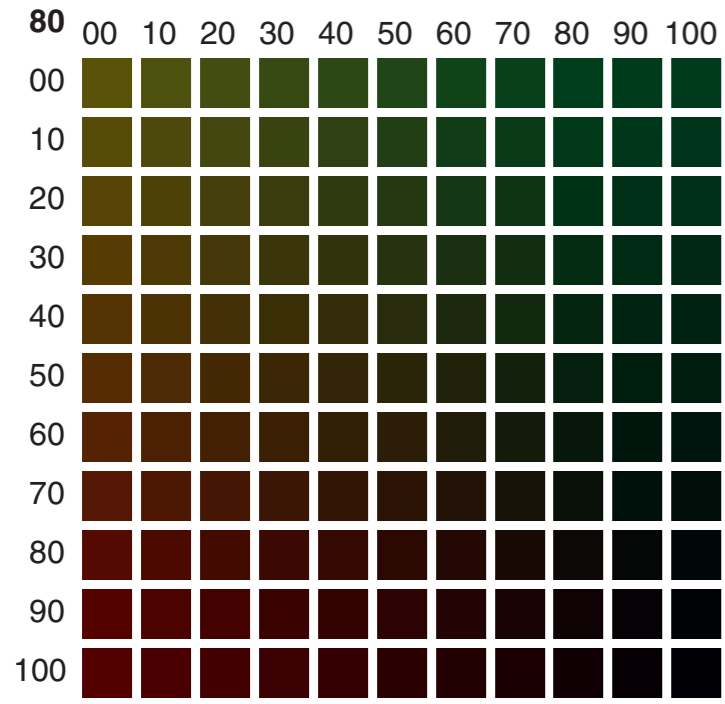
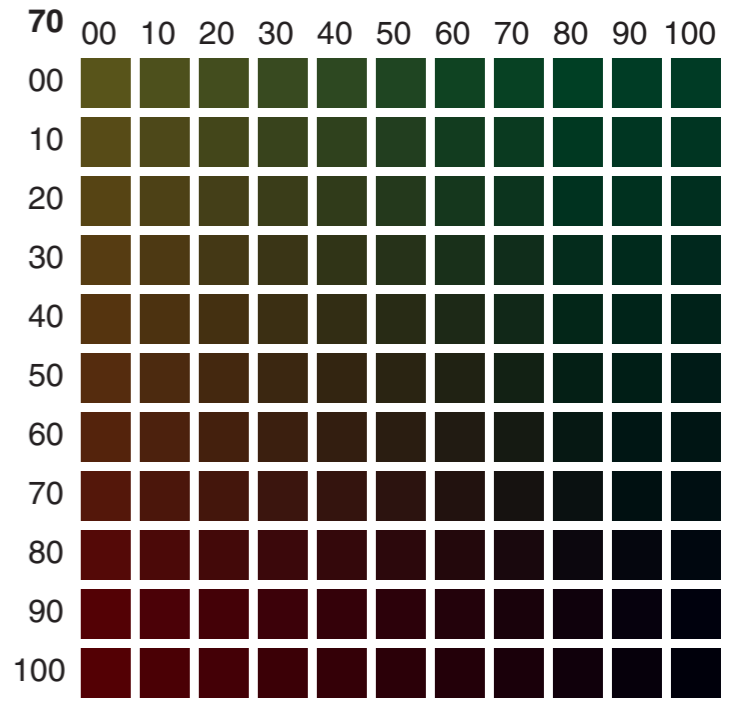
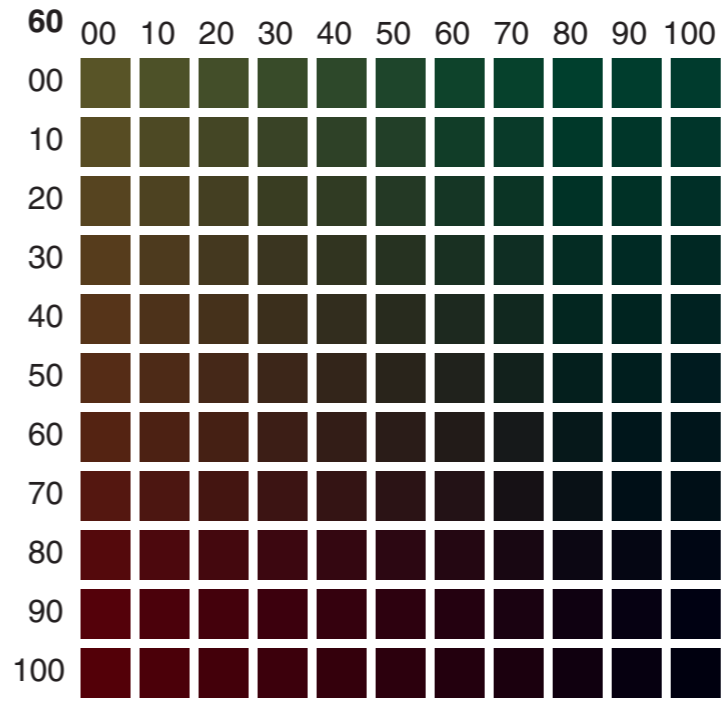
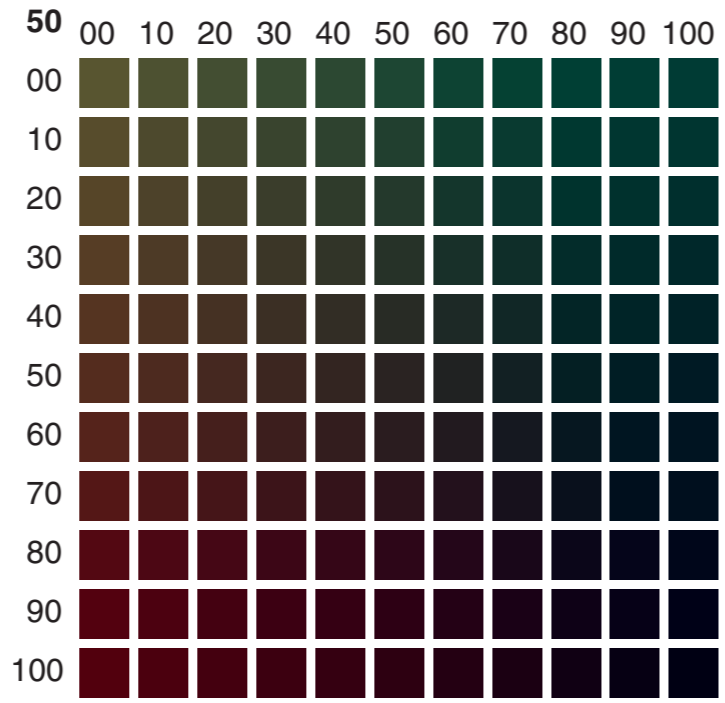
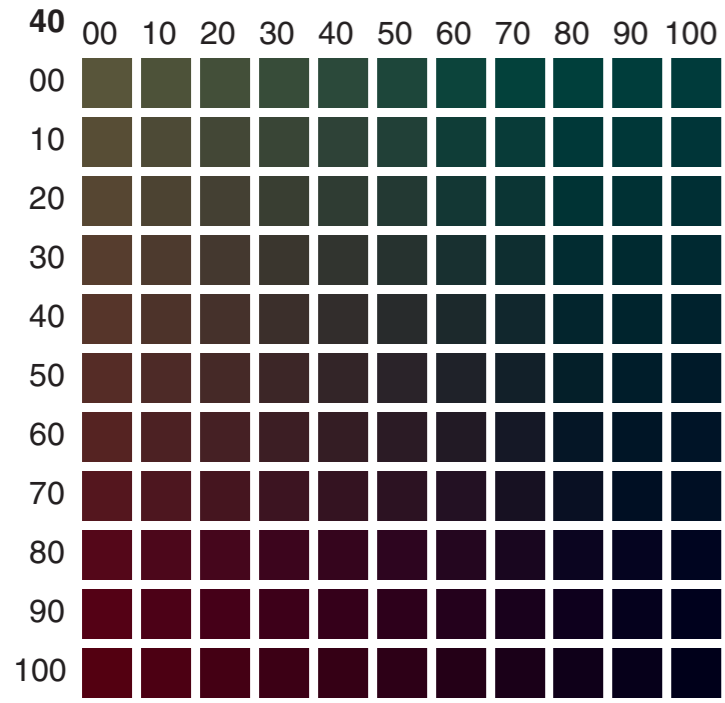
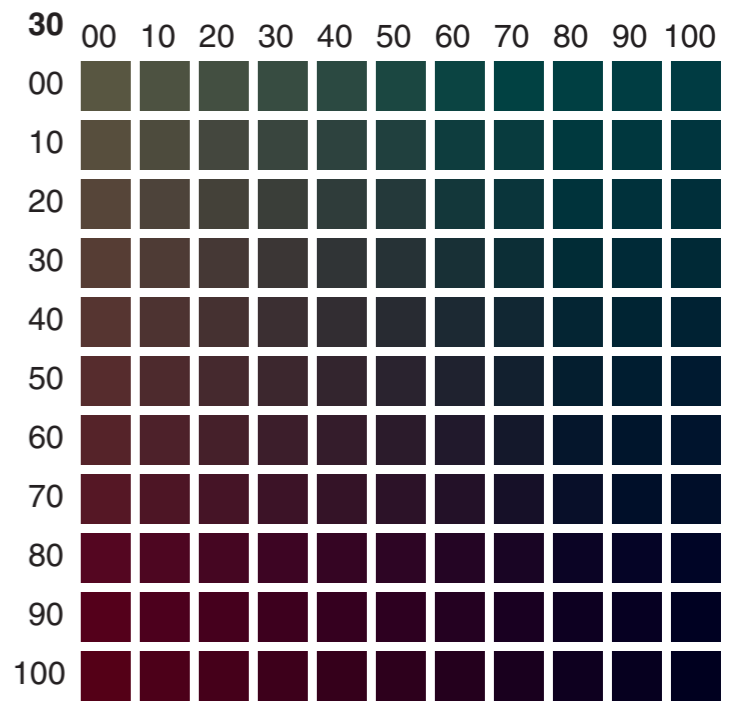
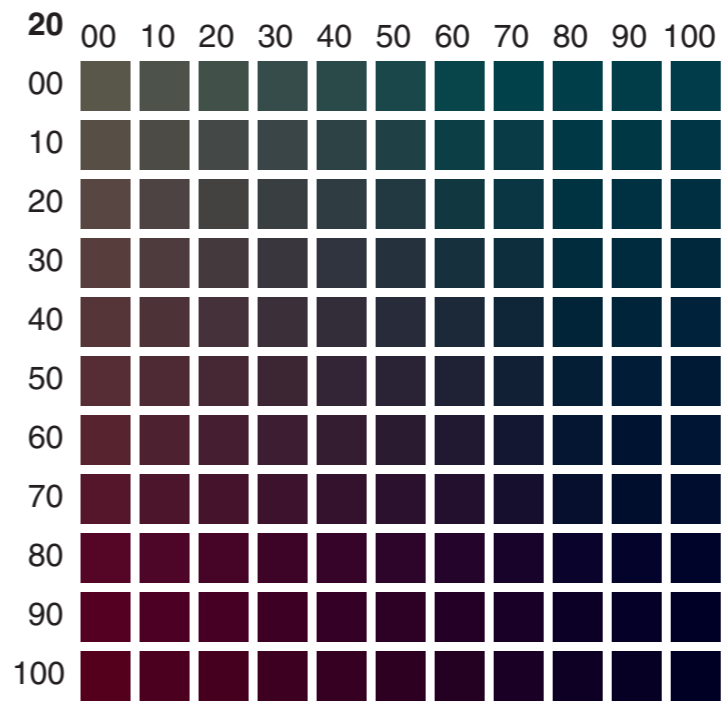
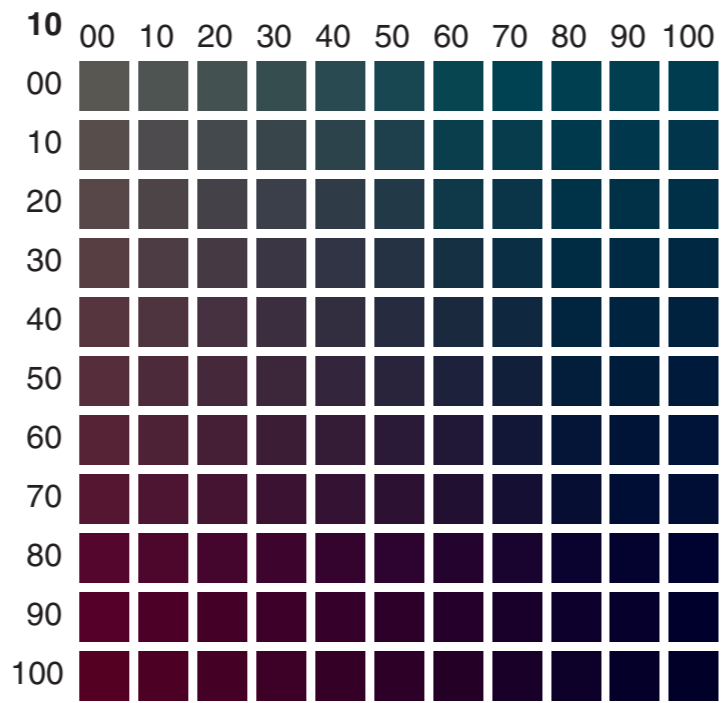
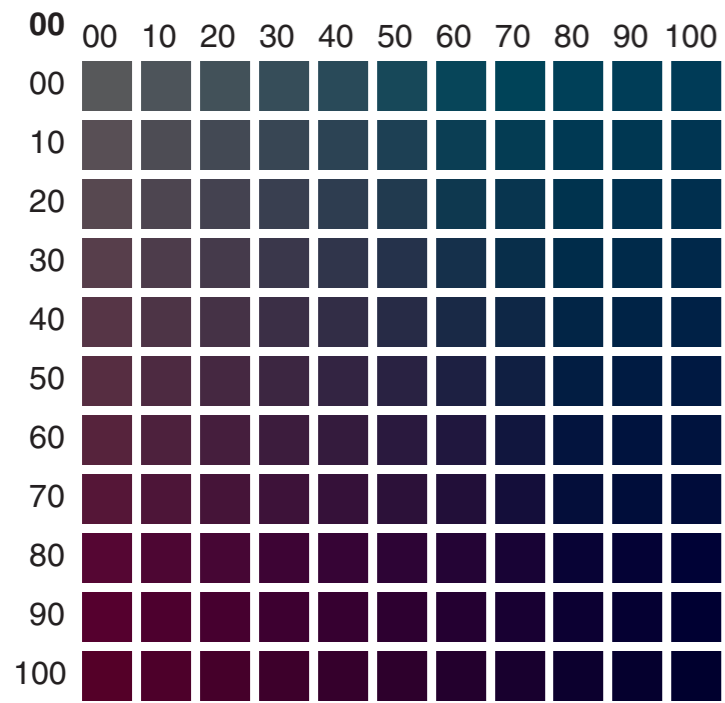


Bold Number Yellow
Horizontal Cyan
Vertical Magenta
Black K = 060

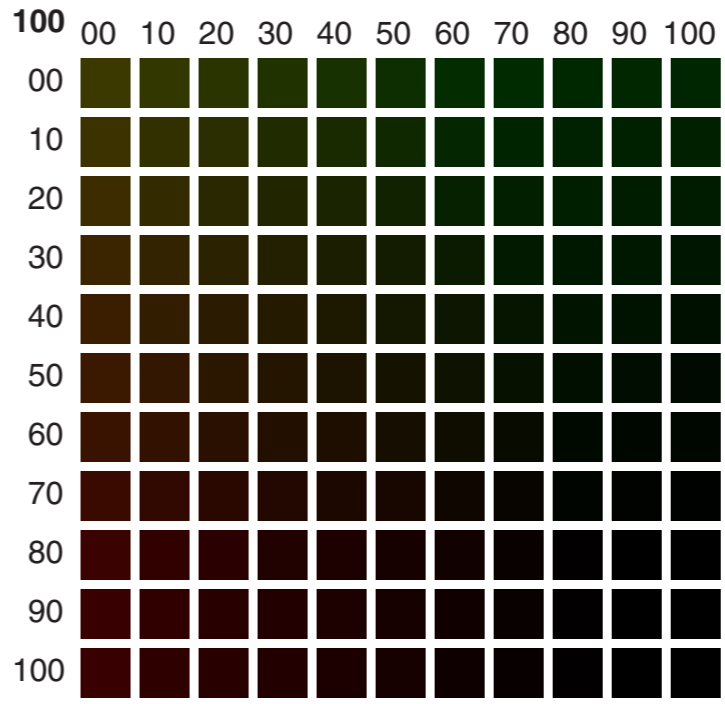
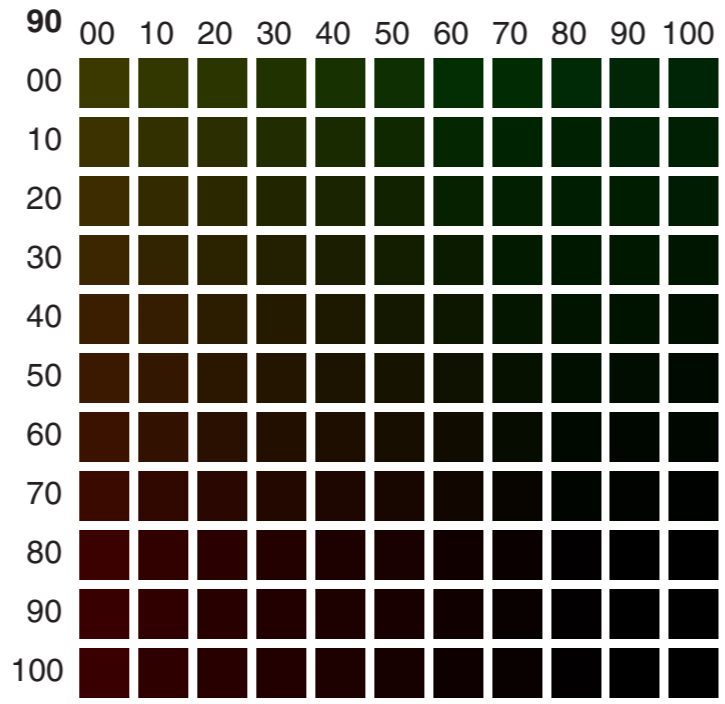
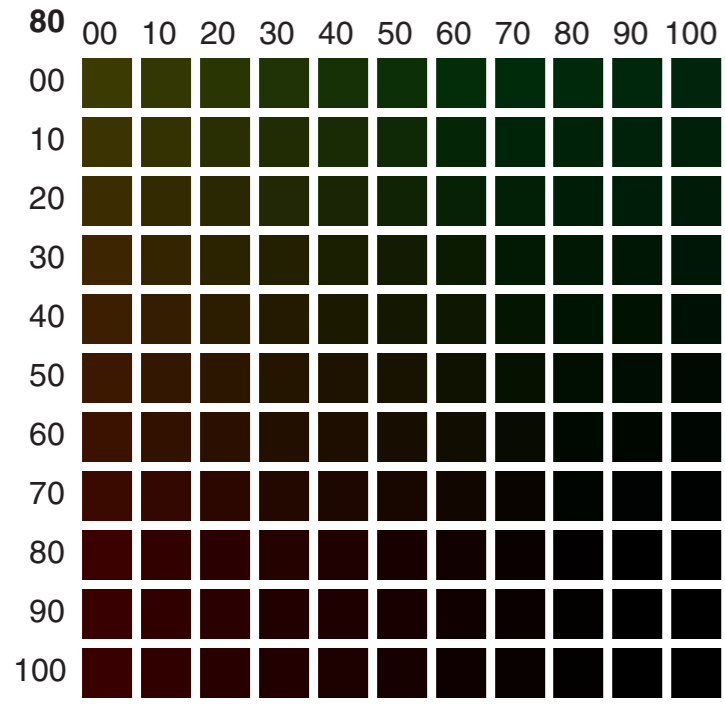
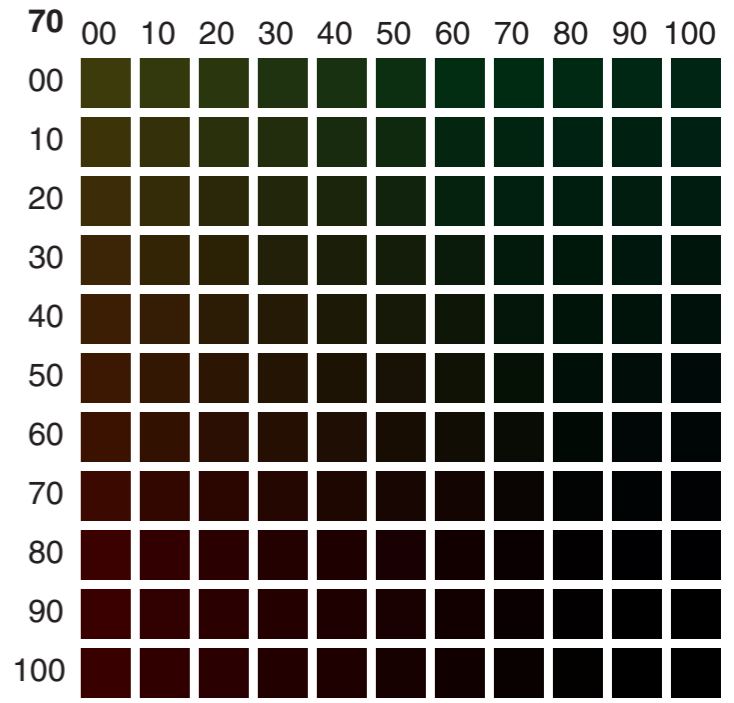
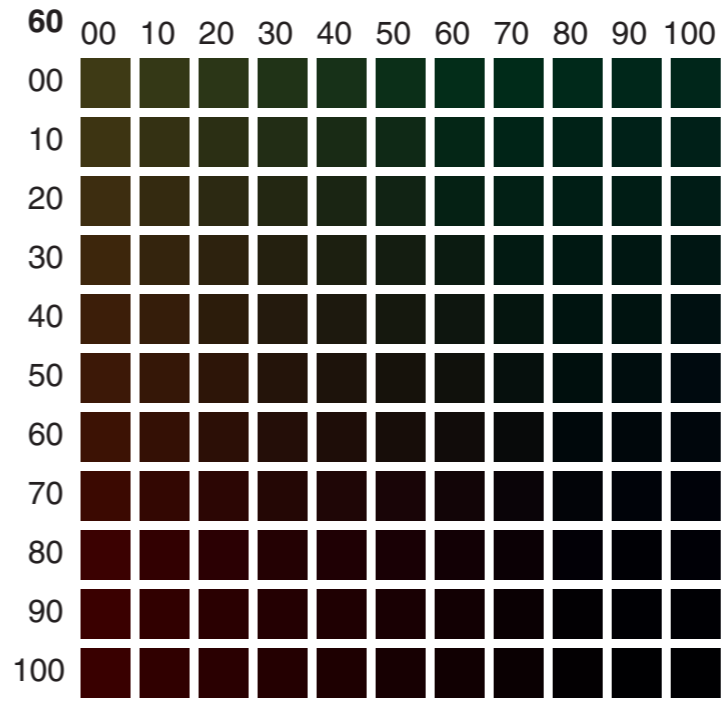
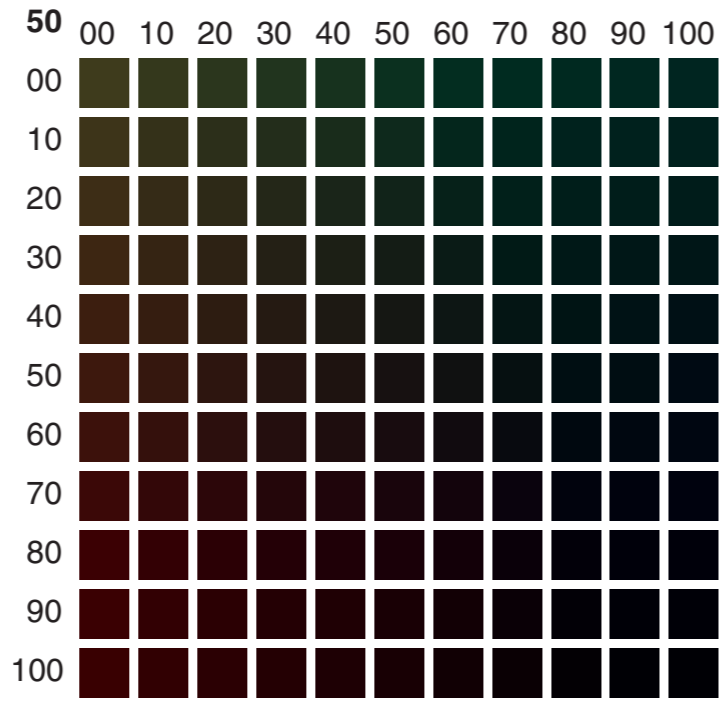
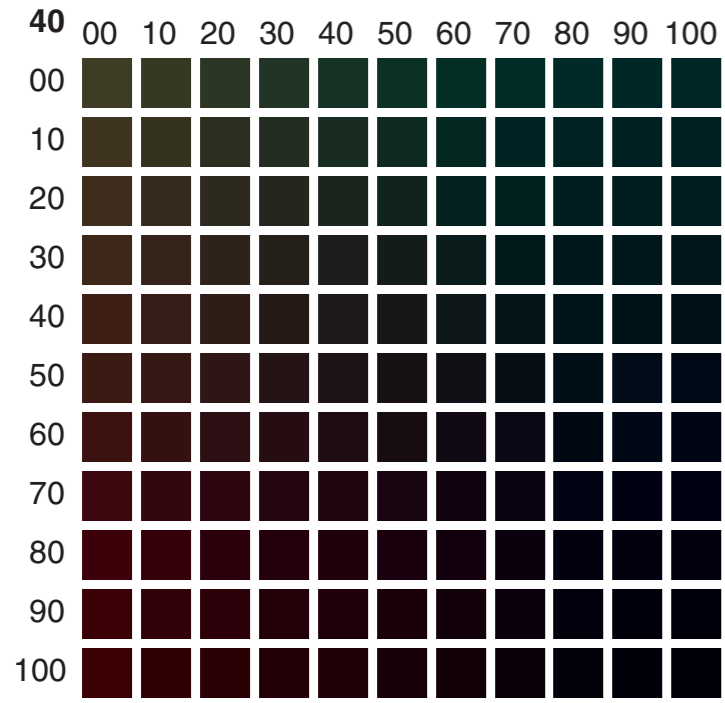
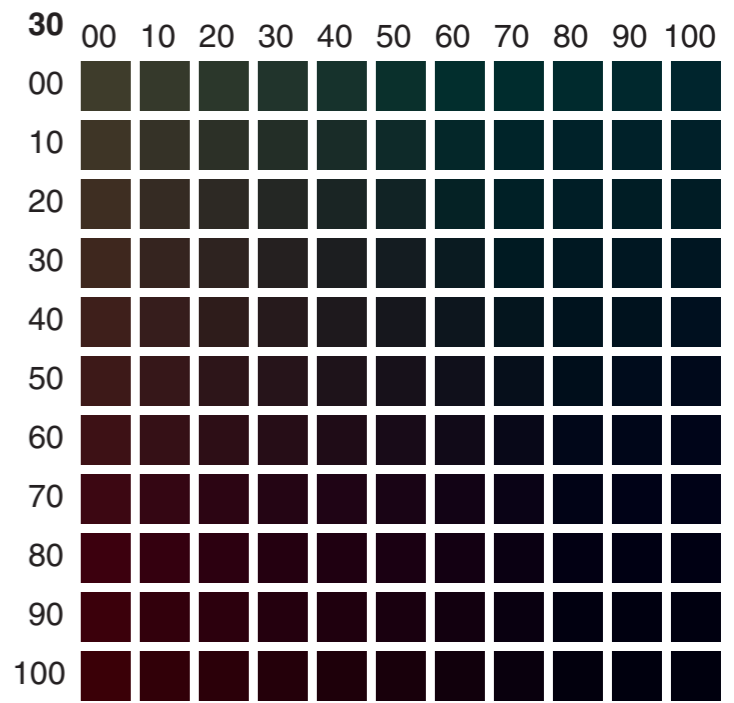
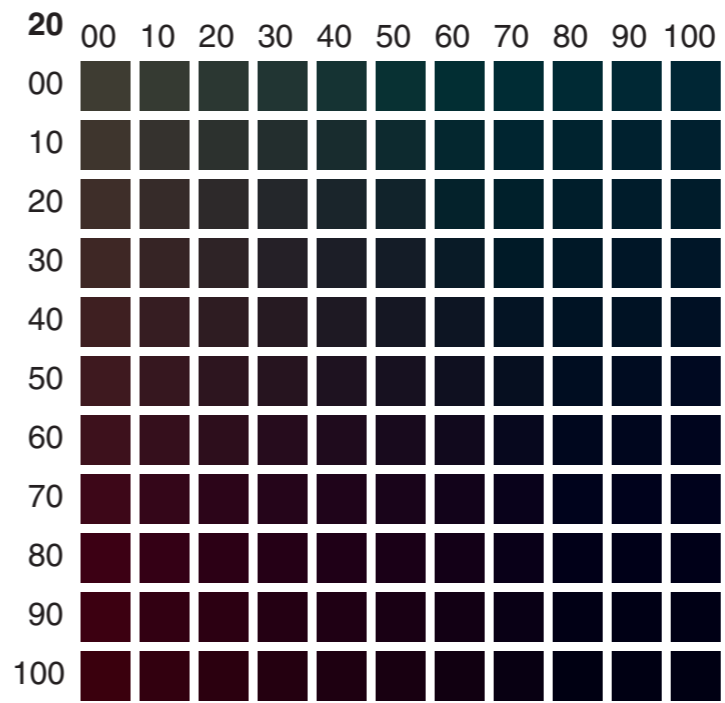
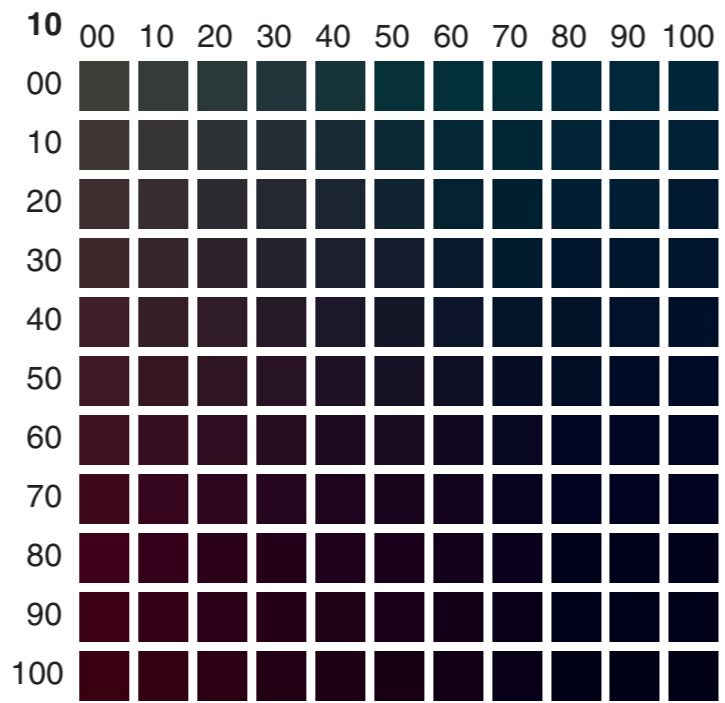
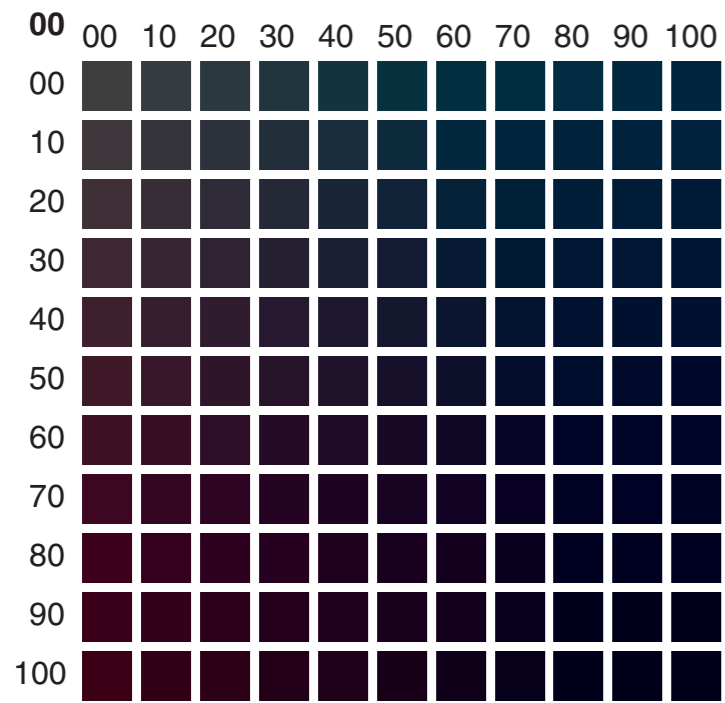


Bold Number Yellow
Horizontal Cyan
Vertical Magenta

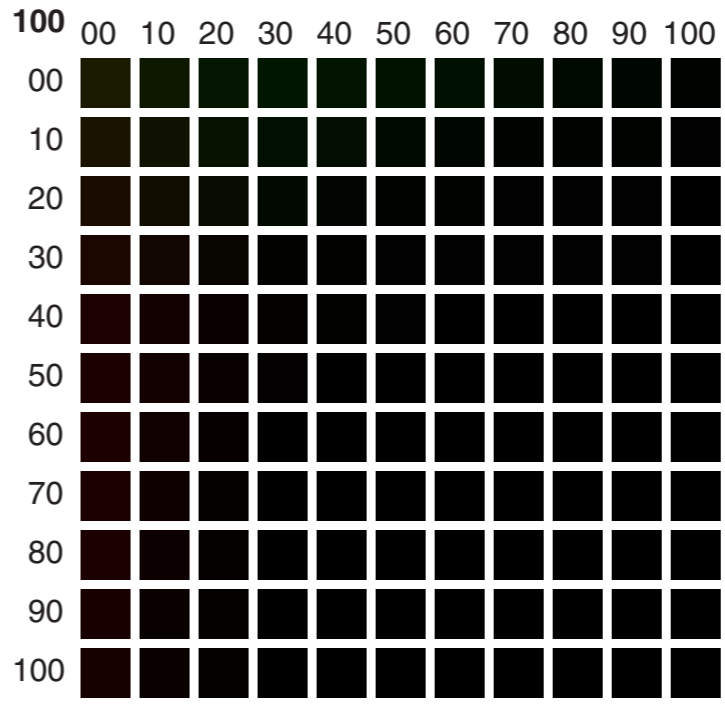
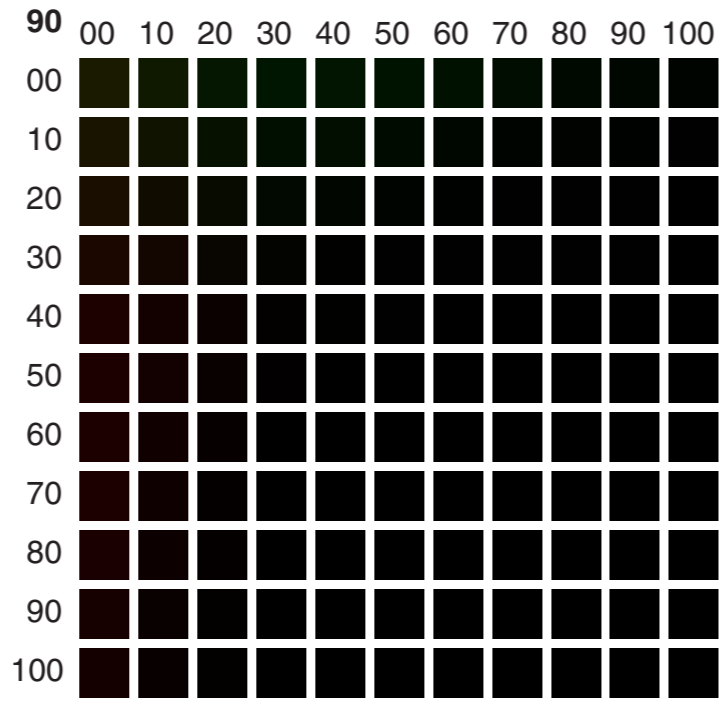
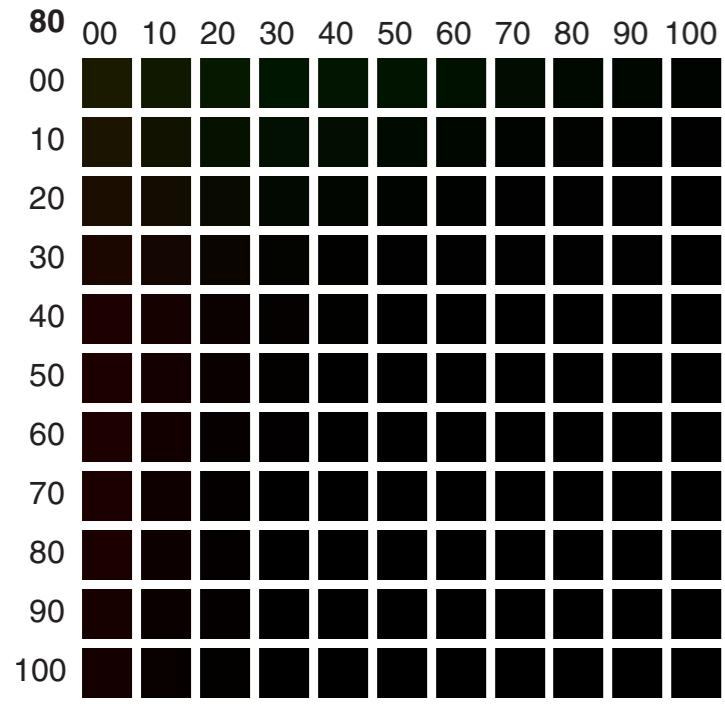
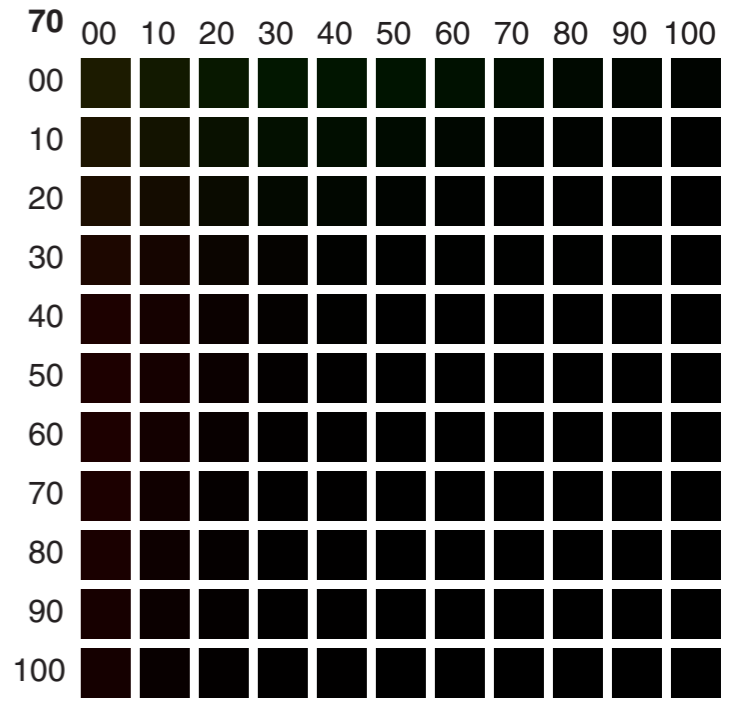
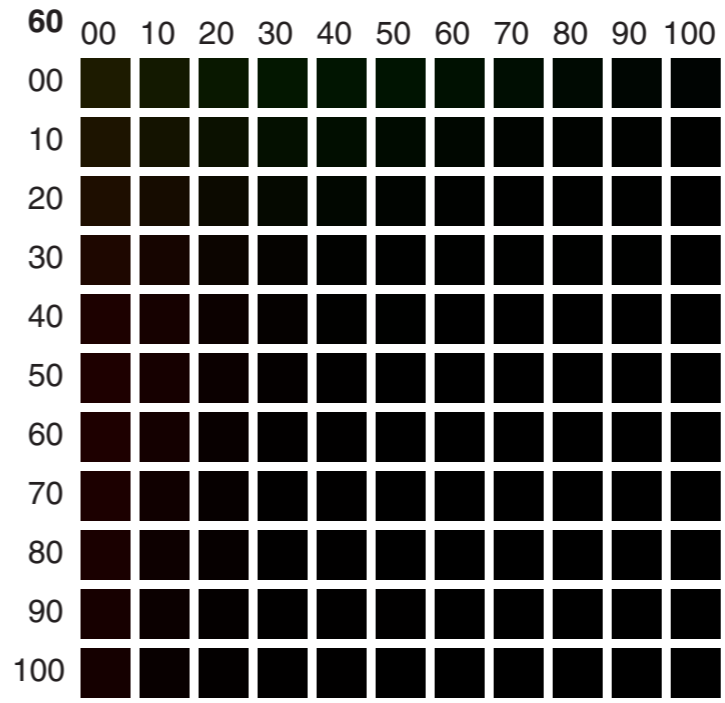
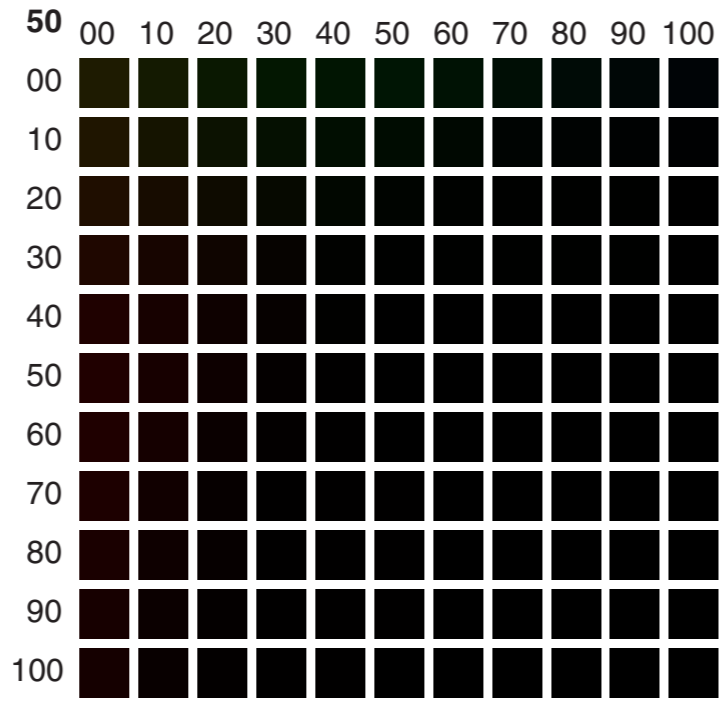
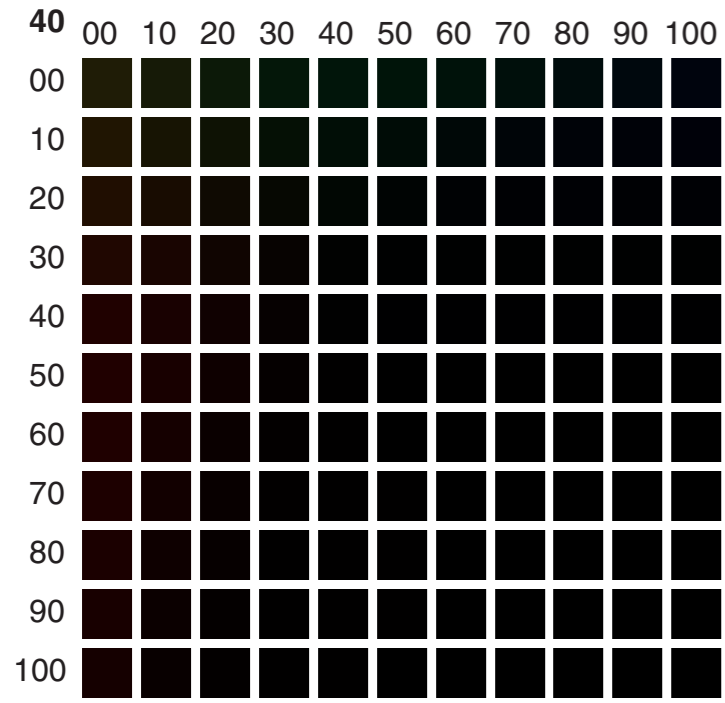
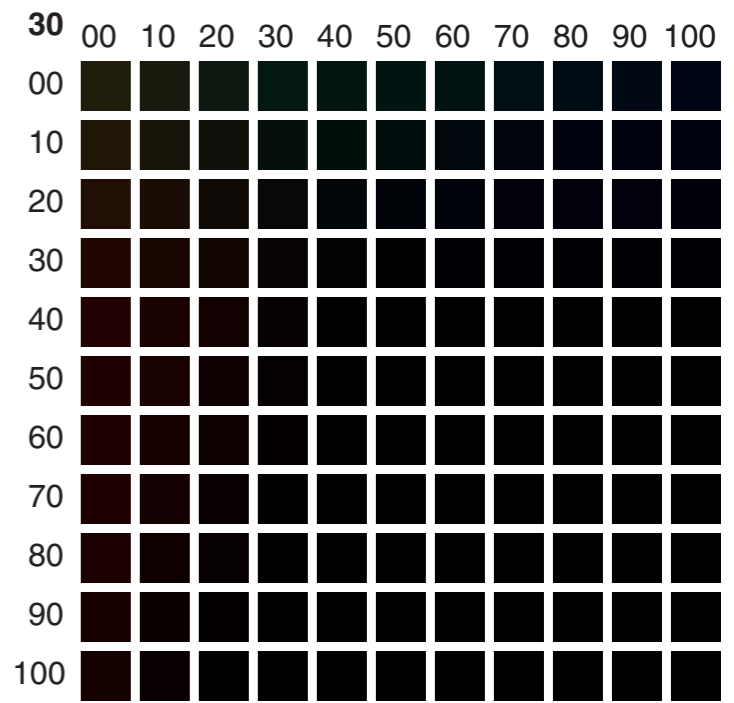
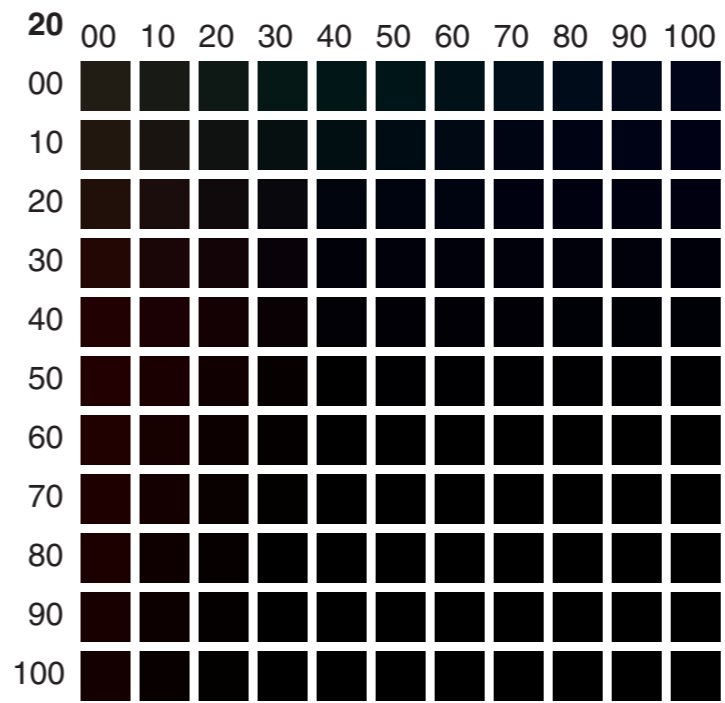
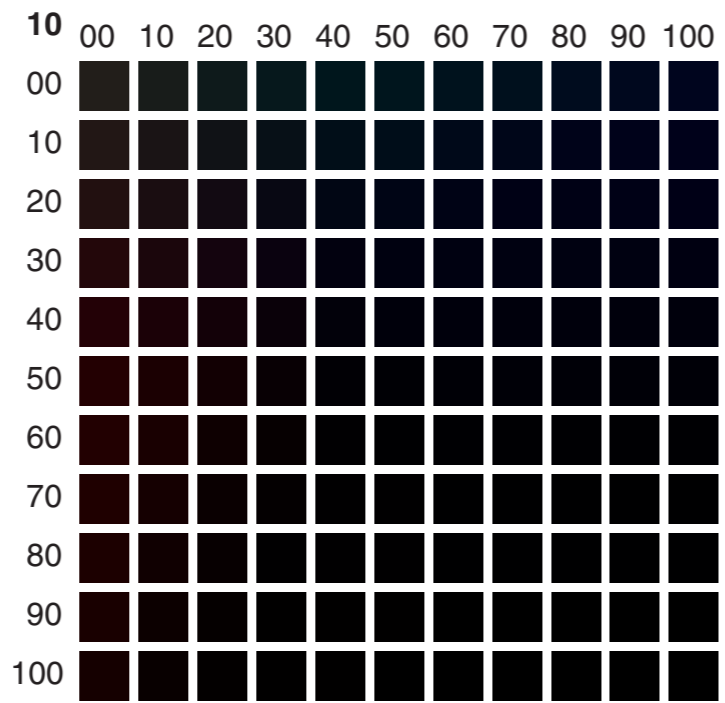
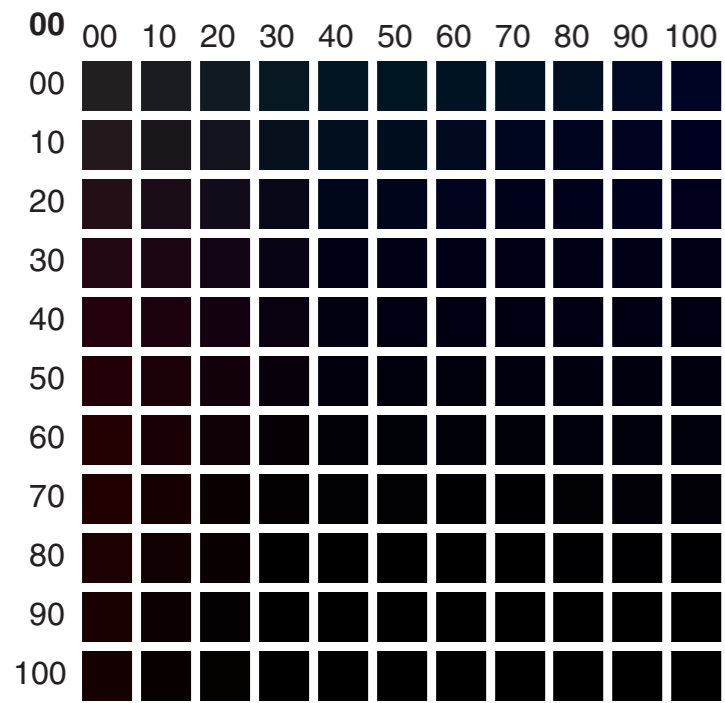
Black K = 070



Bold Number Yellow
Horizontal Cyan
Vertical Magenta
Black K = 080



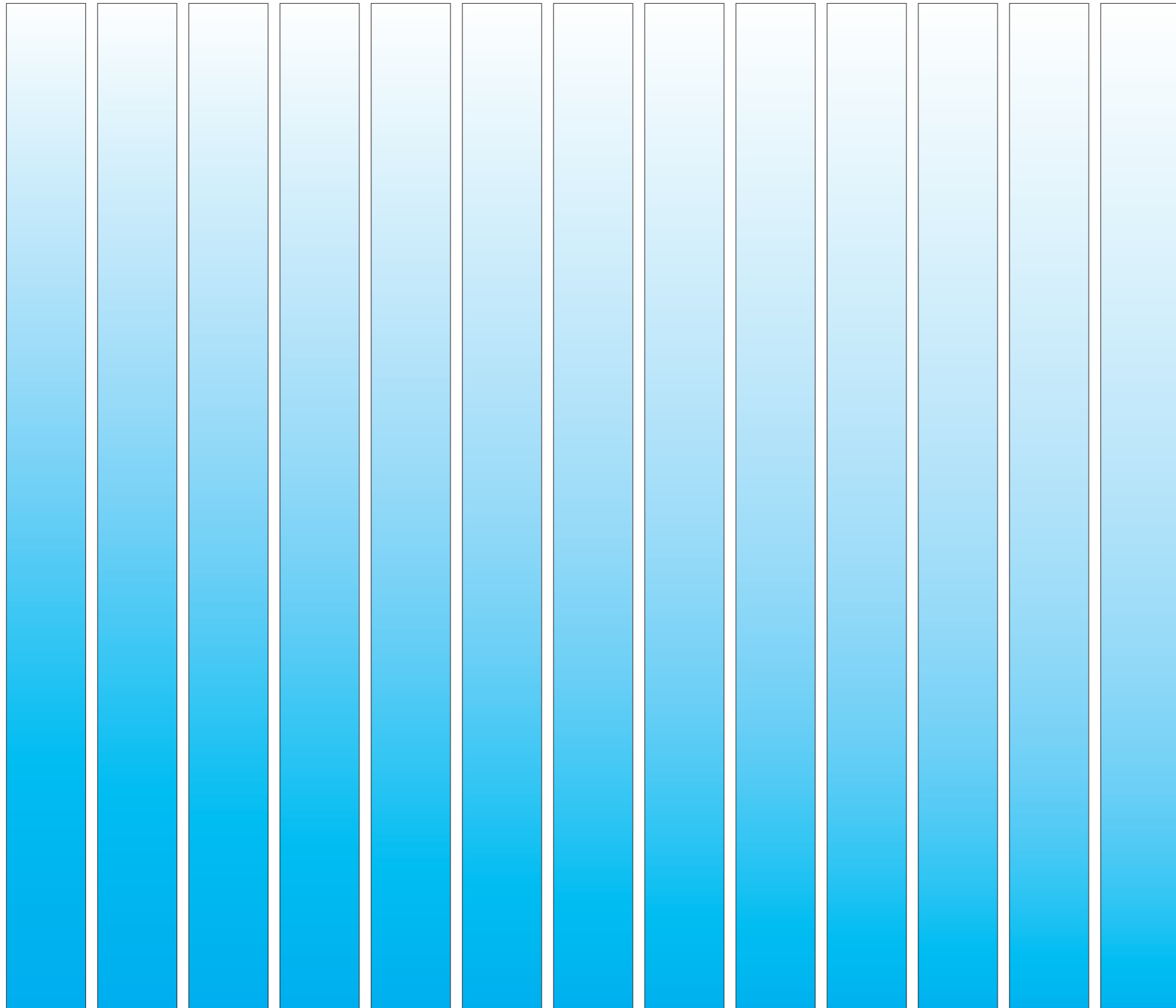
Bold Number Yellow
Horizontal Cyan
Vertical Magenta
Black K = 090



Bold Number Yellow
Horizontal Cyan
Vertical Magenta

Black K = 100

1.0 1.000 1.1 0.909 1.2 0.833 1.3 0.769 1.4 0.714 1.5 0.667 1.6 0.625 1.7 0.588 1.8 0.555 1.9 0.526 2.0 0.500 2.1 0.476 2.2 0.455



**256 Levels (flat rectangles)
in each column**

This page shows wedges by C-0-0-0

Left Linear scale

Others Distorted scales $G = 1.0 - 2.2$

Right Compensation for $G = 2.2$ monitor

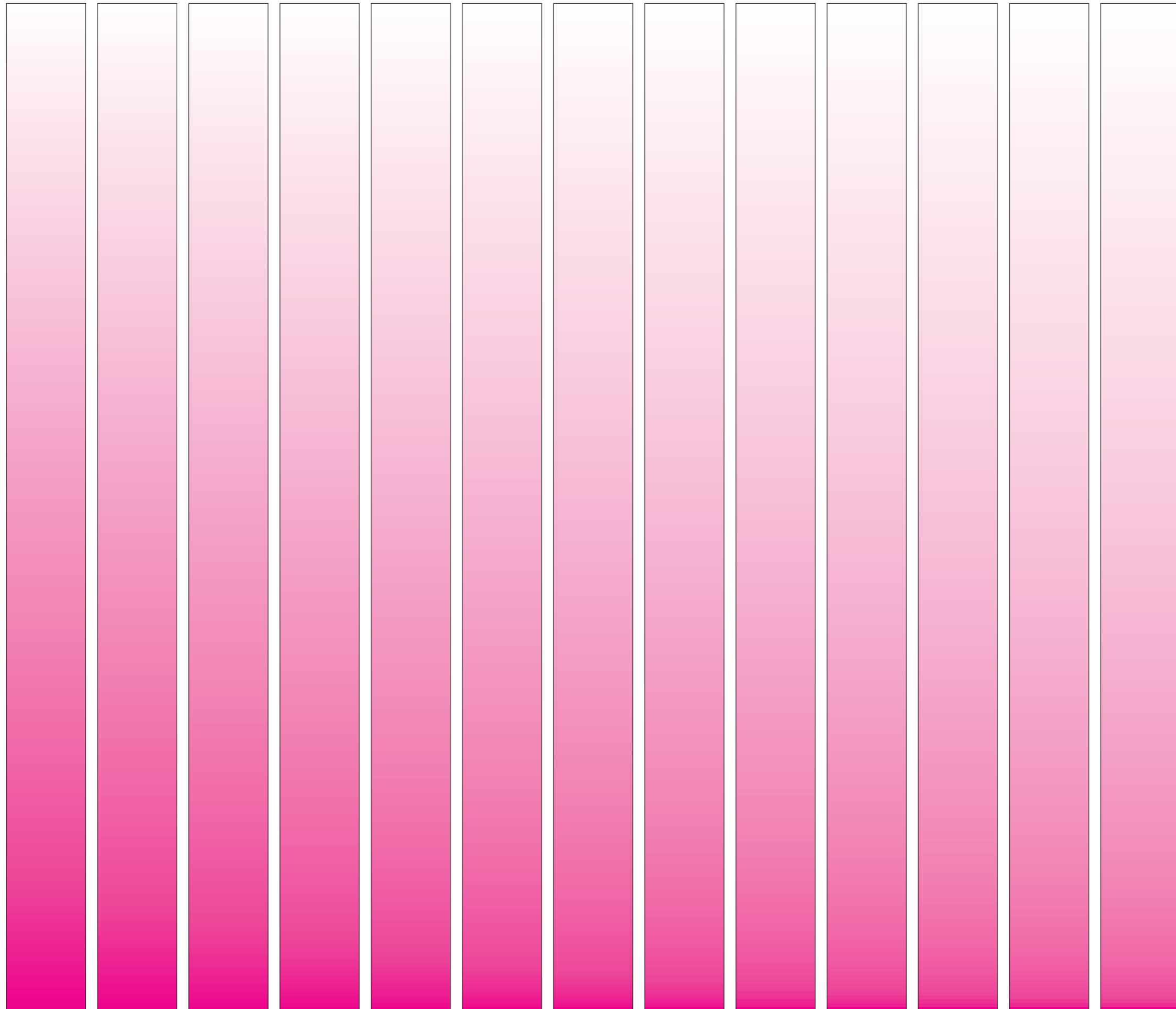
C(z) $C = 100 - 100 z^{1/G}$

For accurate Acrobat view choose

No Smoothing for Line Art

The print is not affected by settings

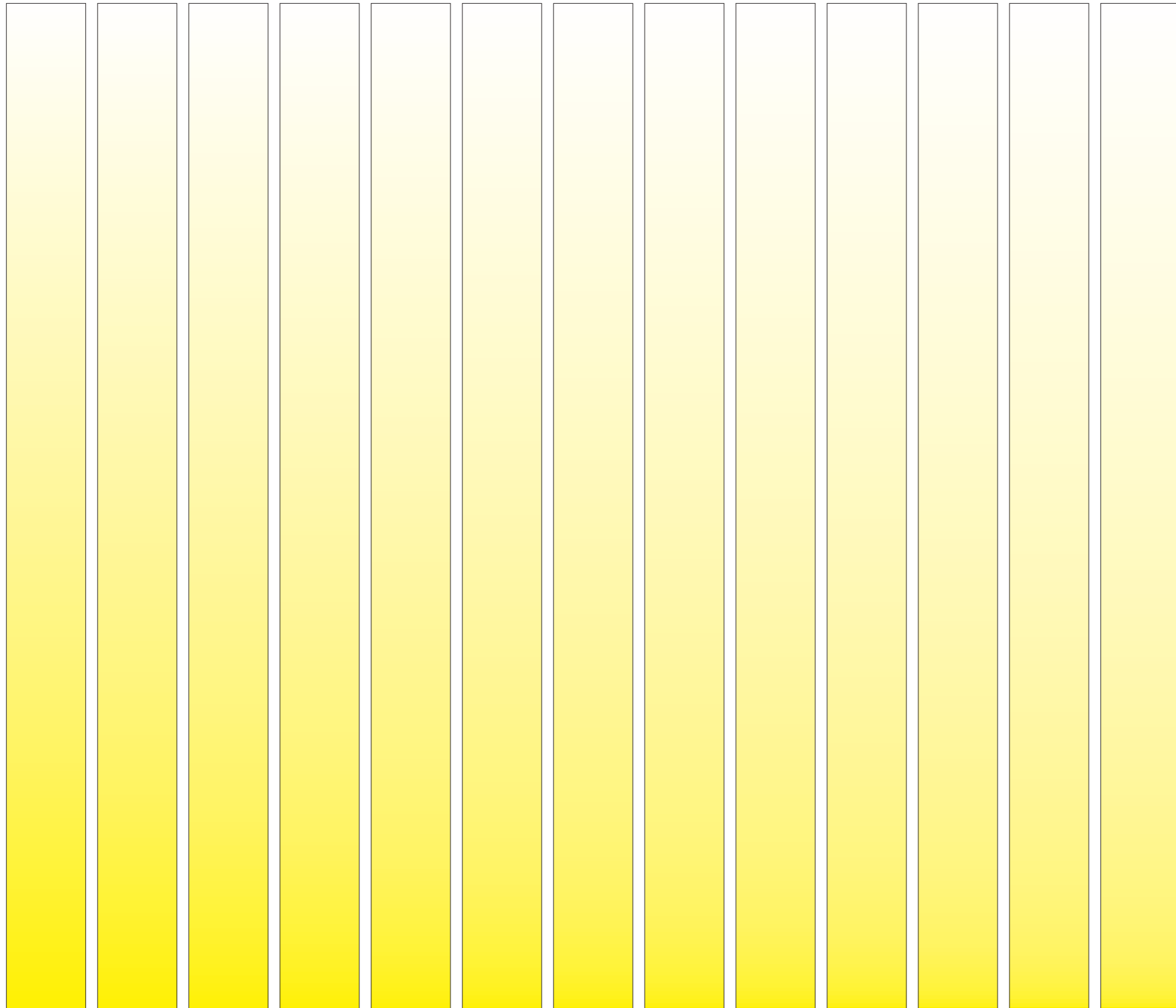
1.0 1.000 1.1 0.909 1.2 0.833 1.3 0.769 1.4 0.714 1.5 0.667 1.6 0.625 1.7 0.588 1.8 0.555 1.9 0.526 2.0 0.500 2.1 0.476 2.2 0.455



**256 Levels (flat rectangles)
in each column**

This page shows wedges by 0-M-0-0
Left Linear scale
Others Distorted scales $G = 1.0 - 2.2$
Right Compensation for $G = 2.2$ monitor
M(z) $M = 100 - 100 z^{1/G}$
For accurate Acrobat view choose
No Smoothing for Line Art
The print is not affected by settings

1.0 1.000 1.1 0.909 1.2 0.833 1.3 0.769 1.4 0.714 1.5 0.667 1.6 0.625 1.7 0.588 1.8 0.555 1.9 0.526 2.0 0.500 2.1 0.476 2.2 0.455



**256 Levels (flat rectangles)
in each column**

This page shows wedges by 0-0-Y-0

Left Linear scale

Others Distorted scales $G = 1.0 - 2.2$

Right Compensation for $G = 2.2$ monitor

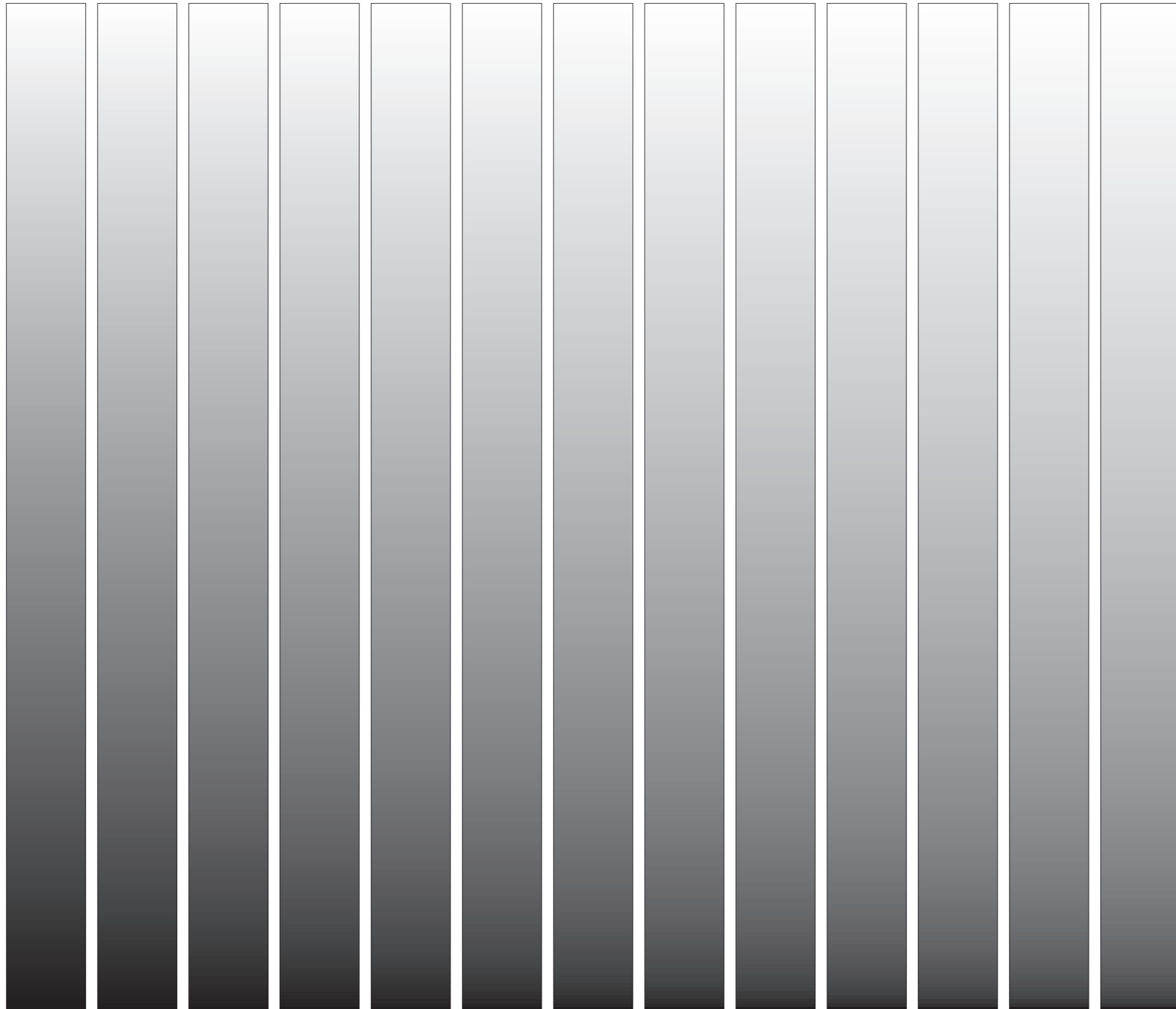
Y(z) $Y = 100 - 100 z^{1/G}$

For accurate Acrobat view choose

No Smoothing for Line Art

The print is not affected by settings

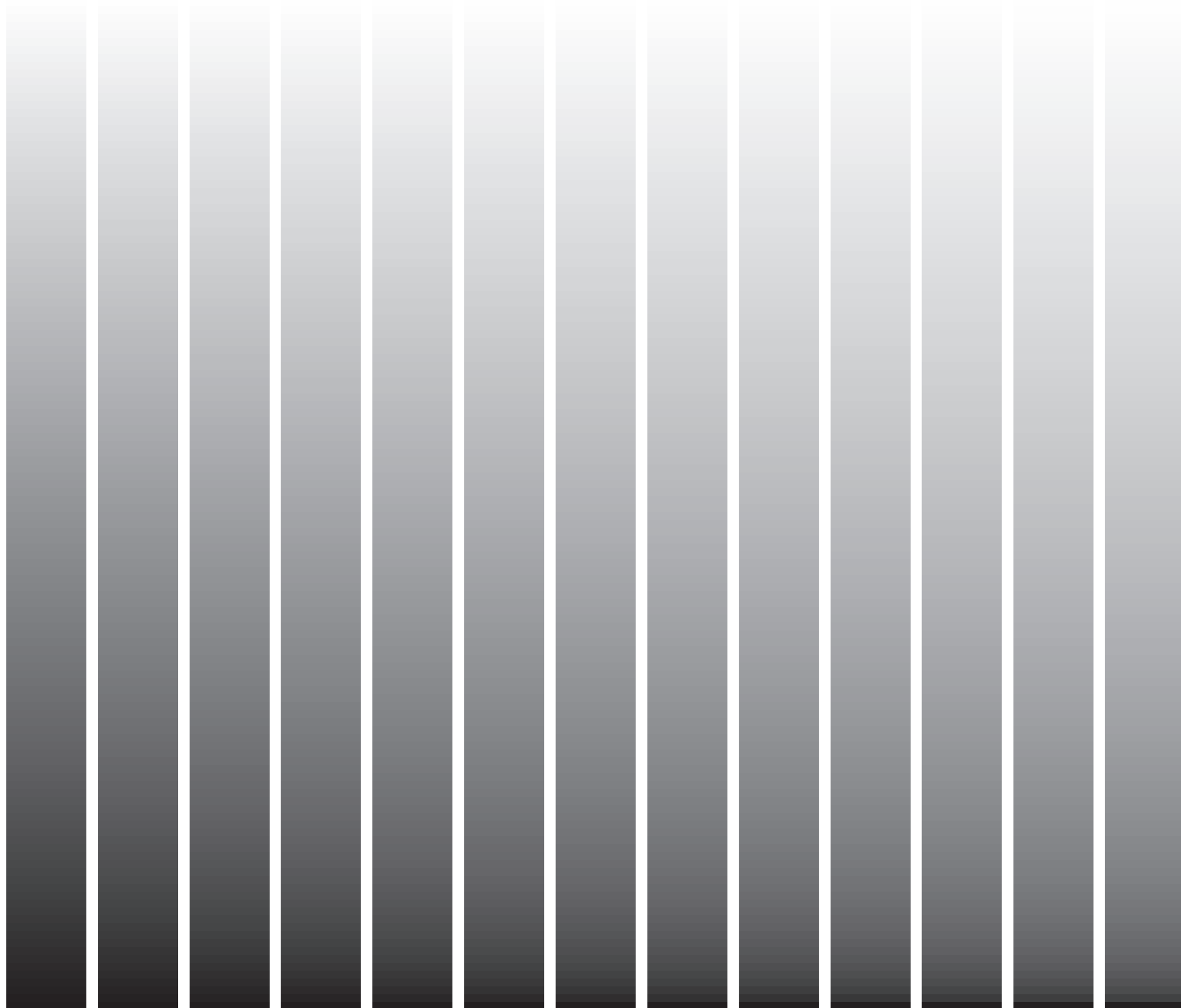
1.0 1.000 1.1 0.909 1.2 0.833 1.3 0.769 1.4 0.714 1.5 0.667 1.6 0.625 1.7 0.588 1.8 0.555 1.9 0.526 2.0 0.500 2.1 0.476 2.2 0.455



**256 Levels (flat rectangles)
in each column**

This page shows wedges by 0-0-0-K
Left Linear scale
Others Distorted scales $G = 1.0 - 2.2$
Right Compensation for $G = 2.2$ monitor
K(z) $K = 100 - 100 z^{1/G}$
For accurate Acrobat view choose
No Smoothing for Line Art
The print is not affected by settings

1.0 1.000 1.1 0.909 1.2 0.833 1.3 0.769 1.4 0.714 1.5 0.667 1.6 0.625 1.7 0.588 1.8 0.555 1.9 0.526 2.0 0.500 2.1 0.476 2.2 0.455



**128 Levels (flat rectangles)
in each column**

Similar to previous page.
Specially adapted for histogram analysis in
Photoshop:

128 instead of 256 flat rectangles in each
bar.
Shows banding on purpose.
No strokes, for easy selection of pure bars.

Open in Photoshop:

Mode CMYK
128 ppi
No anti-aliasing
Select one bar by rectangle tool
Show histogram
Cache level 1

Color space is Device CMYK. The appearance depends on the actual ICC profile, but the numbers are fixed.

This page shows wedges by 0-0-0-K

Left Linear scale

Others Distorted scales $G = 1.0 - 2.2$

Right Compensation for $G = 2.2$ monitor

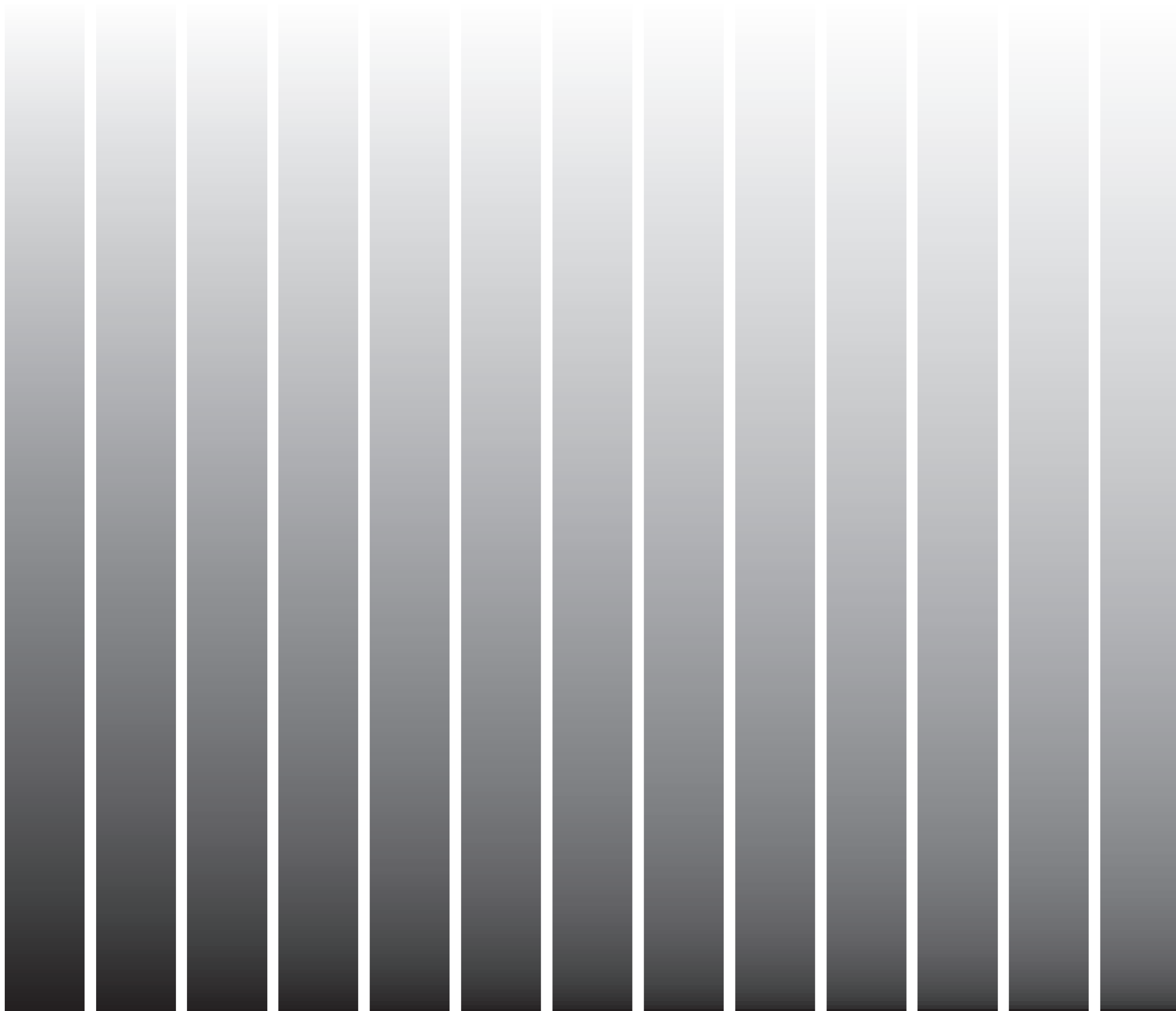
$K(z) \quad K = 100 - 100 z^{1/G}$

For accurate Acrobat view choose

No Smoothing for Line Art

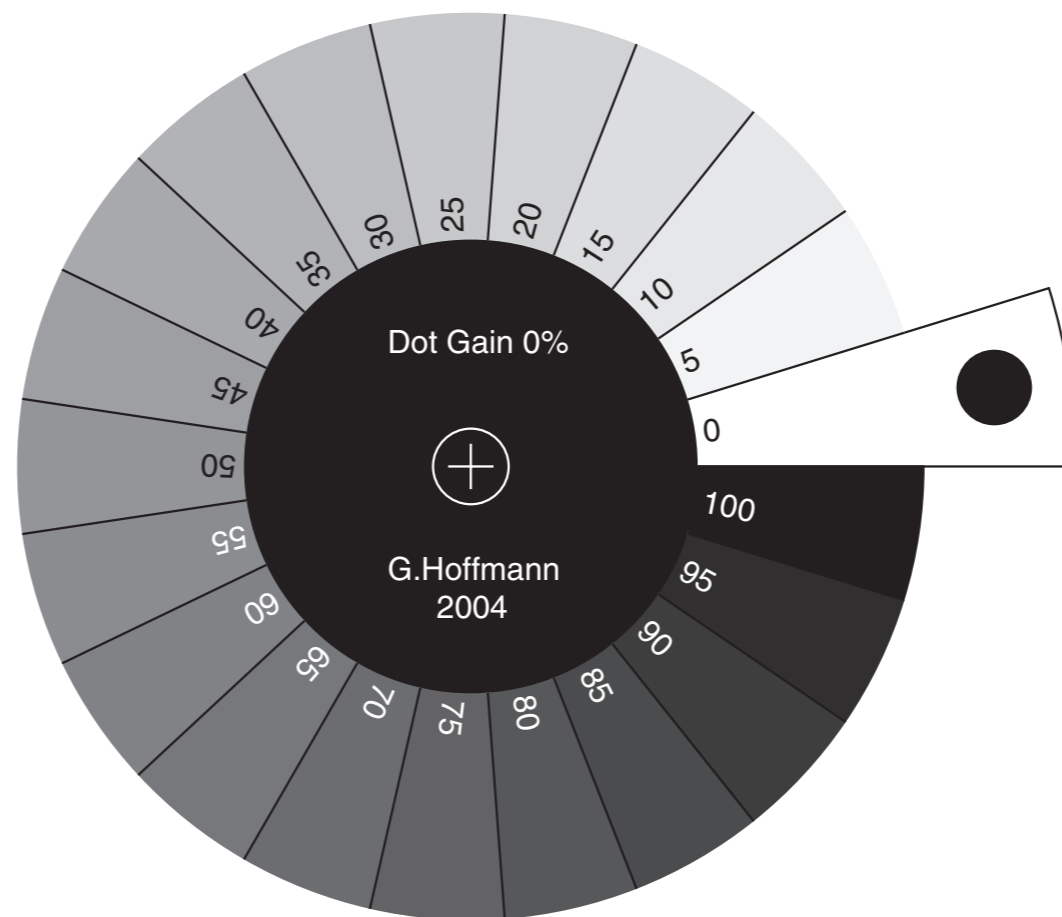
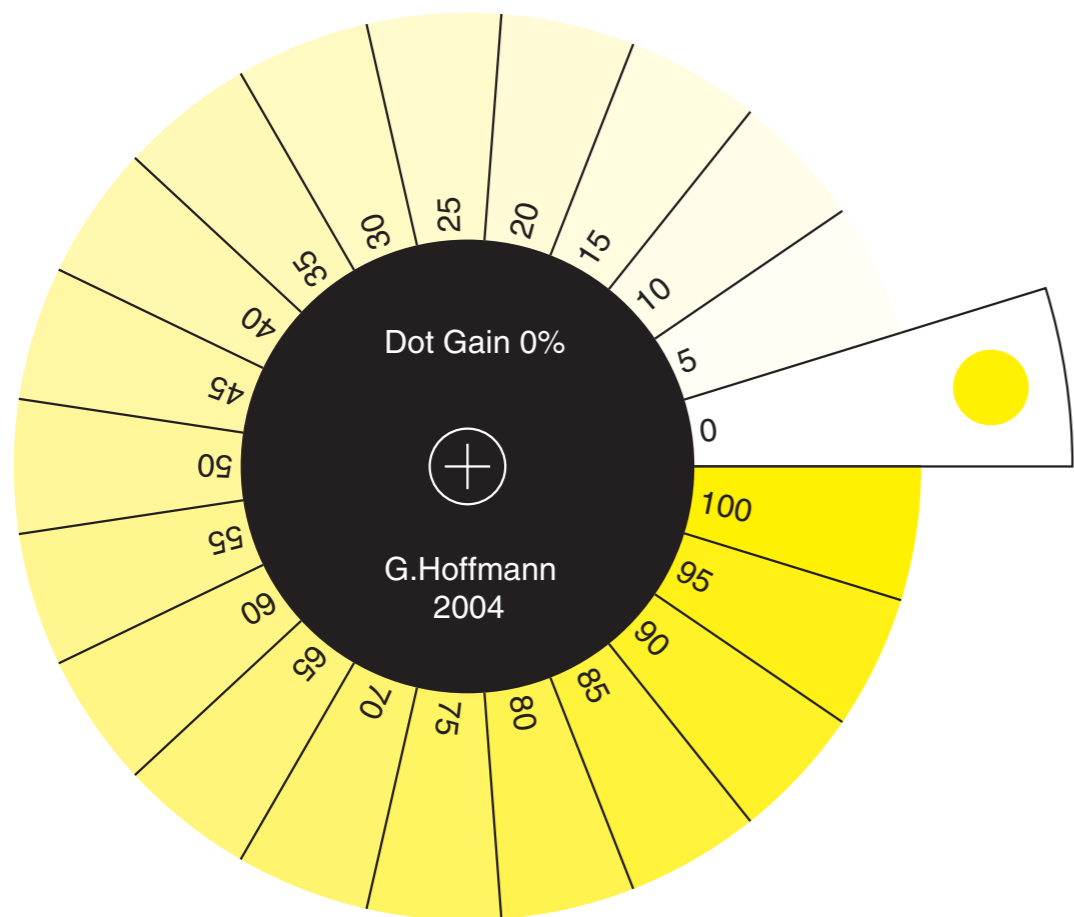
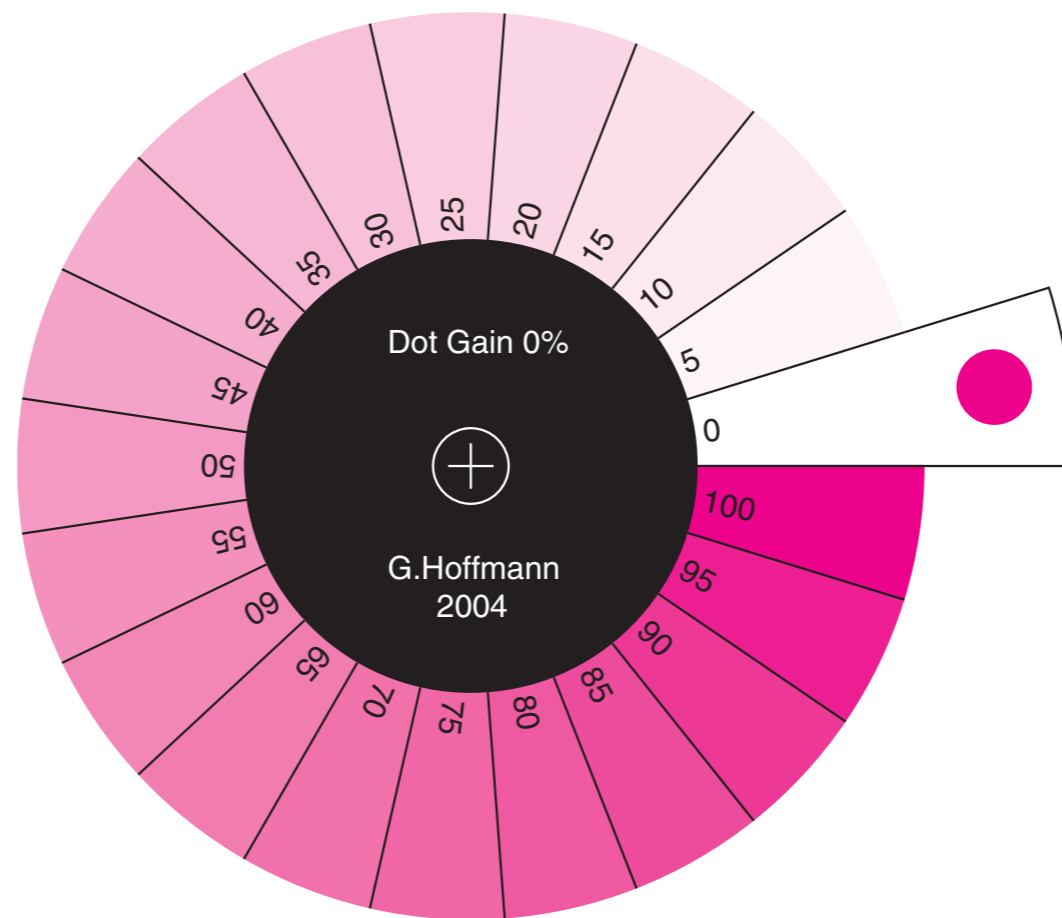
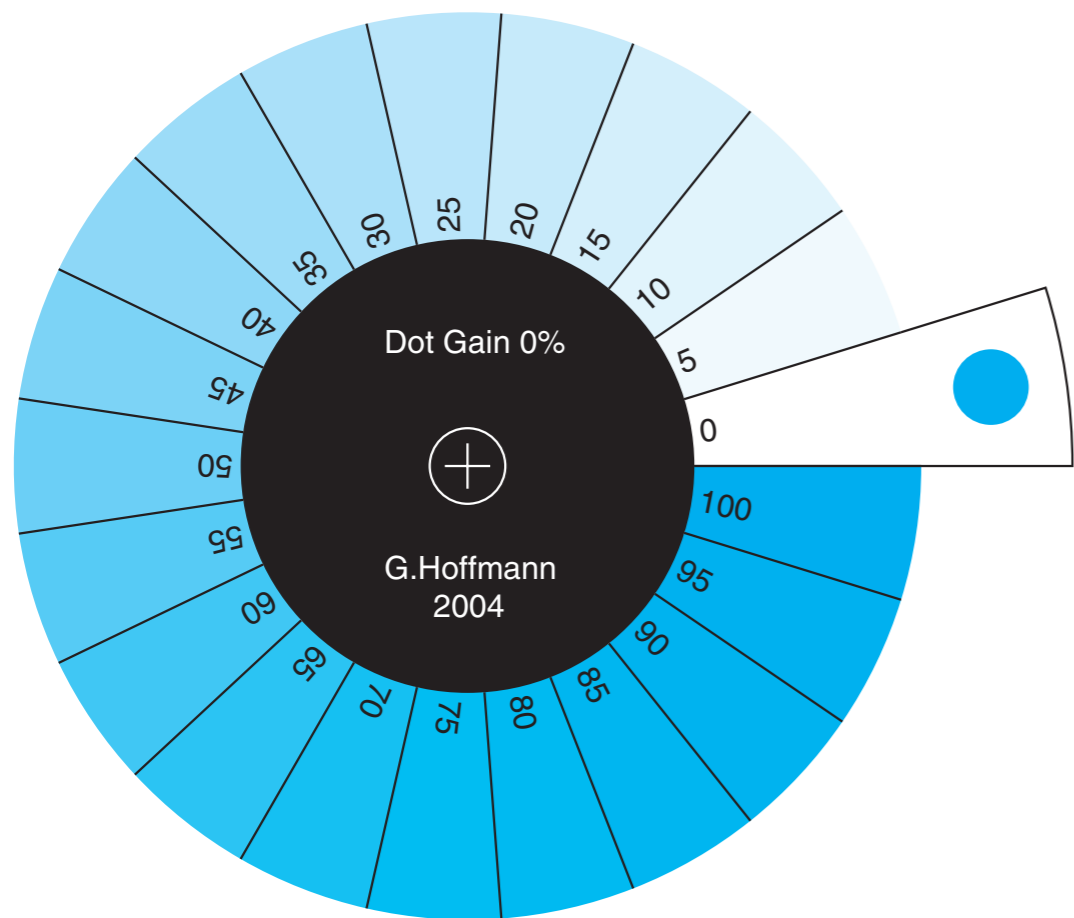
The print is not affected by settings

1.0 1.000 1.1 0.909 1.2 0.833 1.3 0.769 1.4 0.714 1.5 0.667 1.6 0.625 1.7 0.588 1.8 0.555 1.9 0.526 2.0 0.500 2.1 0.476 2.2 0.455



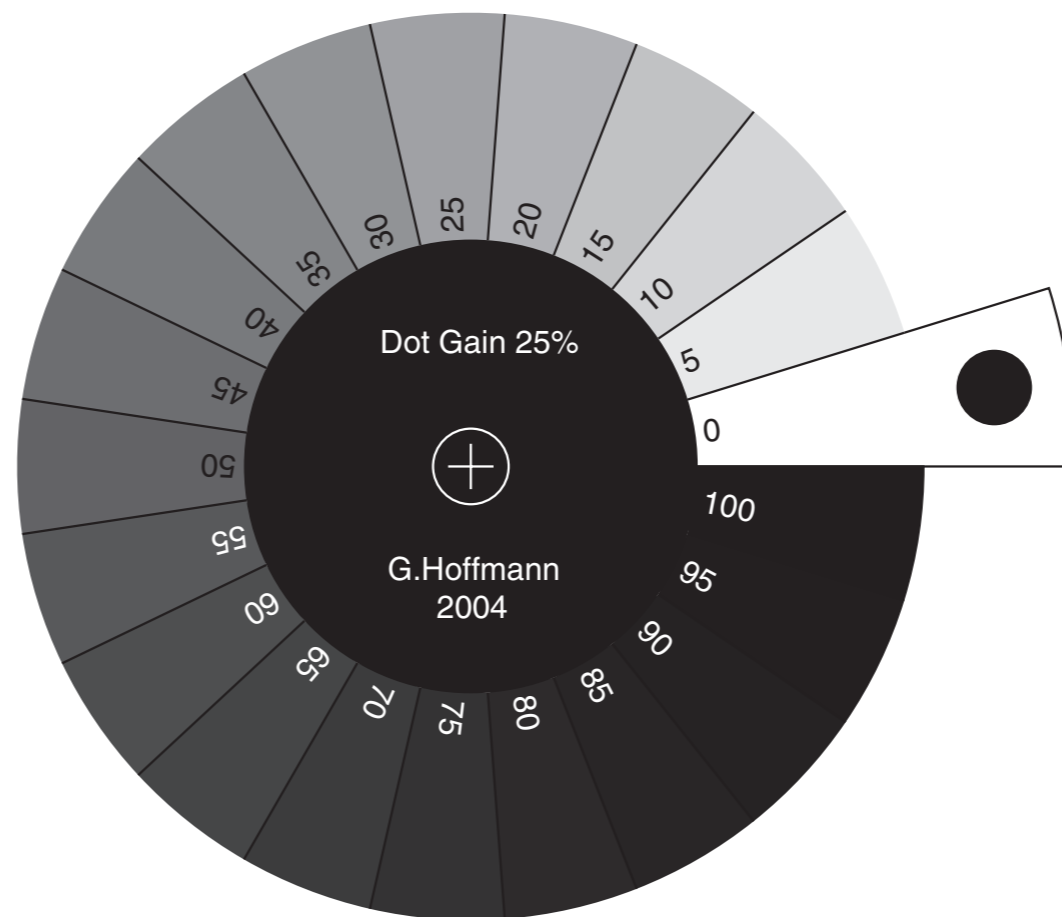
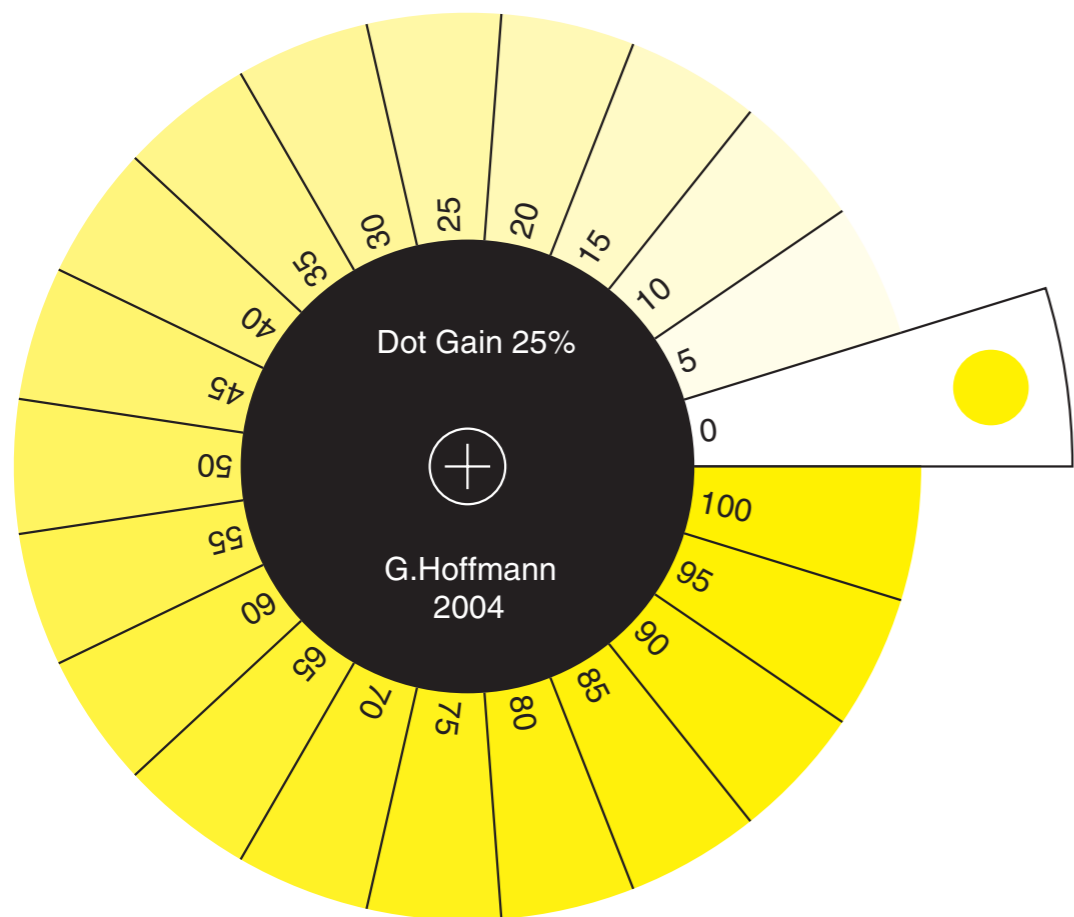
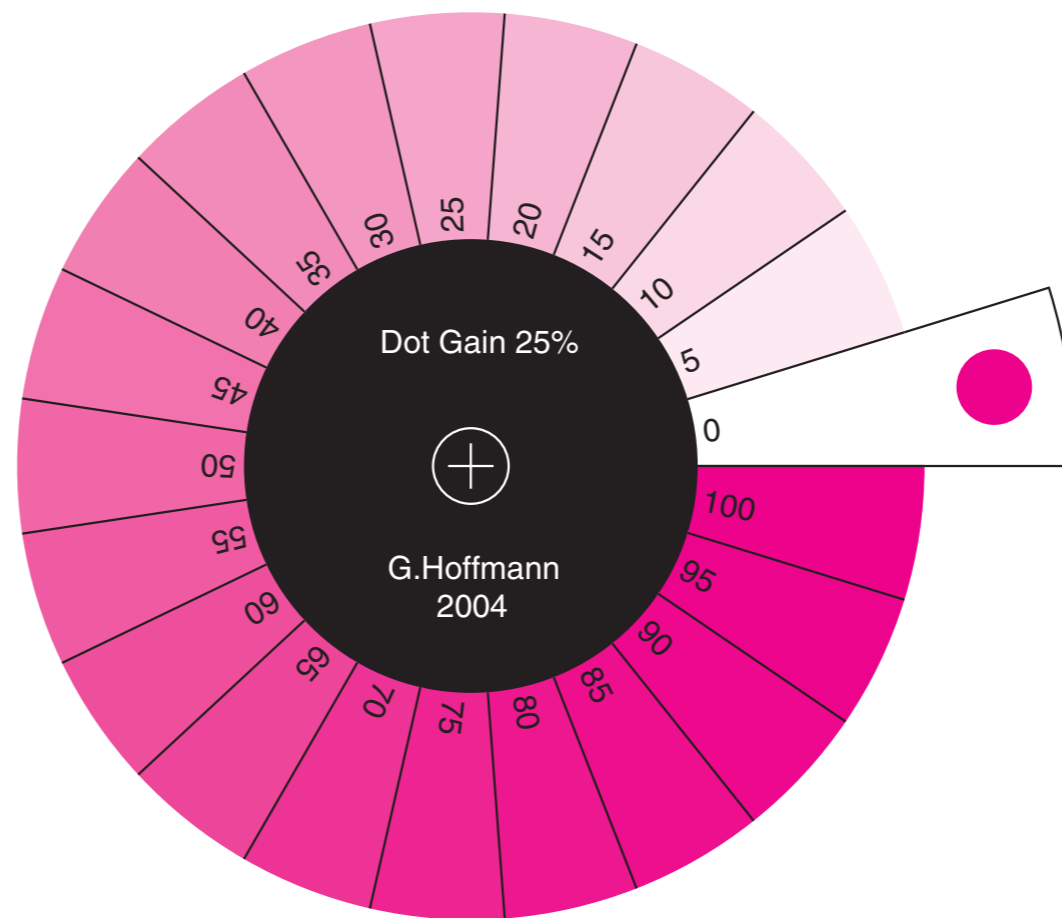
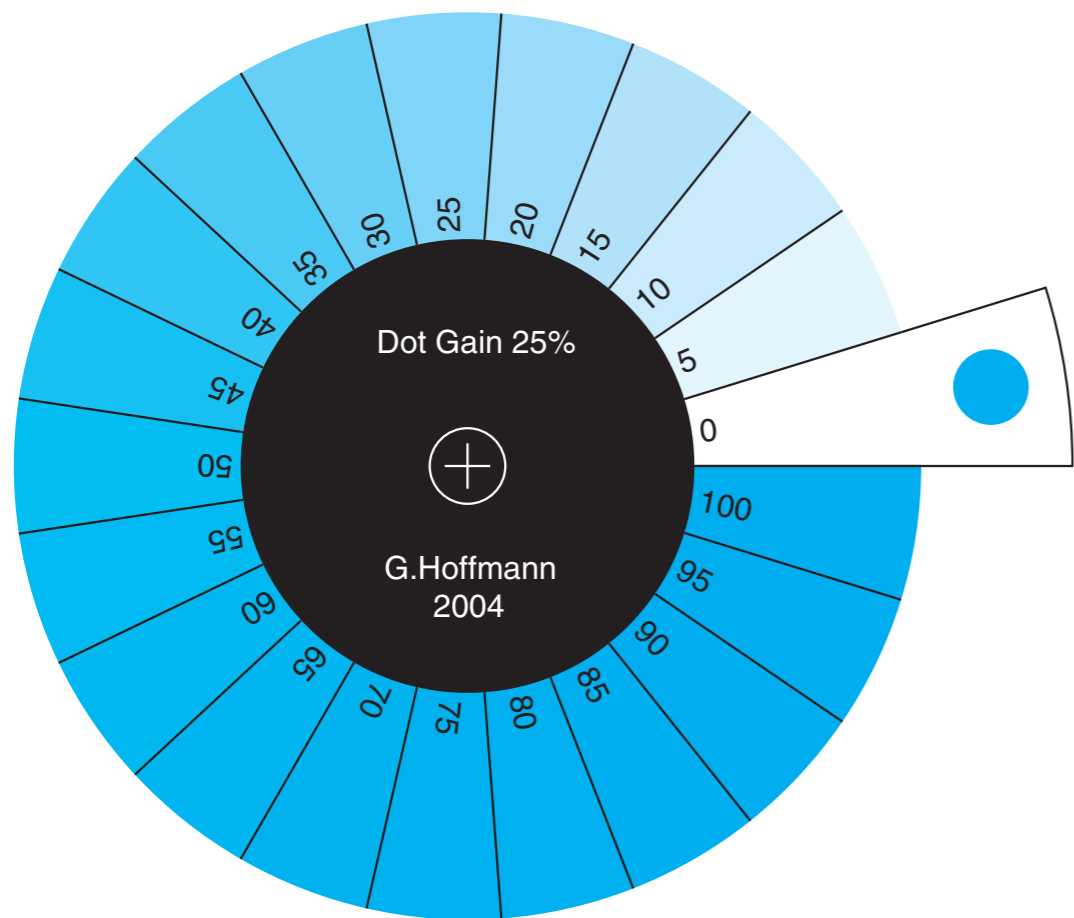
PostScript Smooth Shading
The number of levels in each column depends on the resolution of the output device.

This page shows wedges by 0-0-0-K
Left Linear scale
Others Distorted scales $G = 1.0 - 2.2$
Right Compensation for $G = 2.2$ monitor
K(z) $K = 100 - 100 z^{1/G}$
For accurate Acrobat view choose
No Smoothing for Line Art
The print is not affected by settings



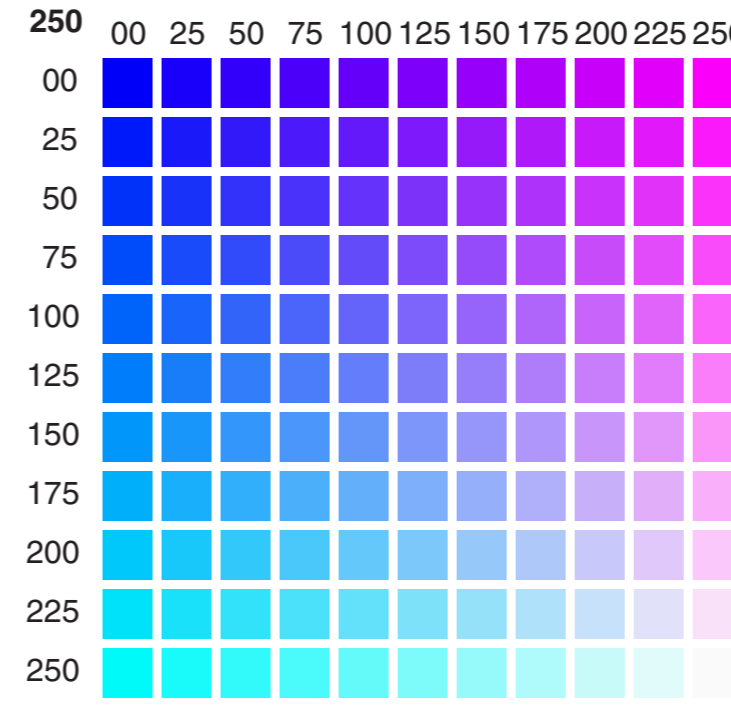
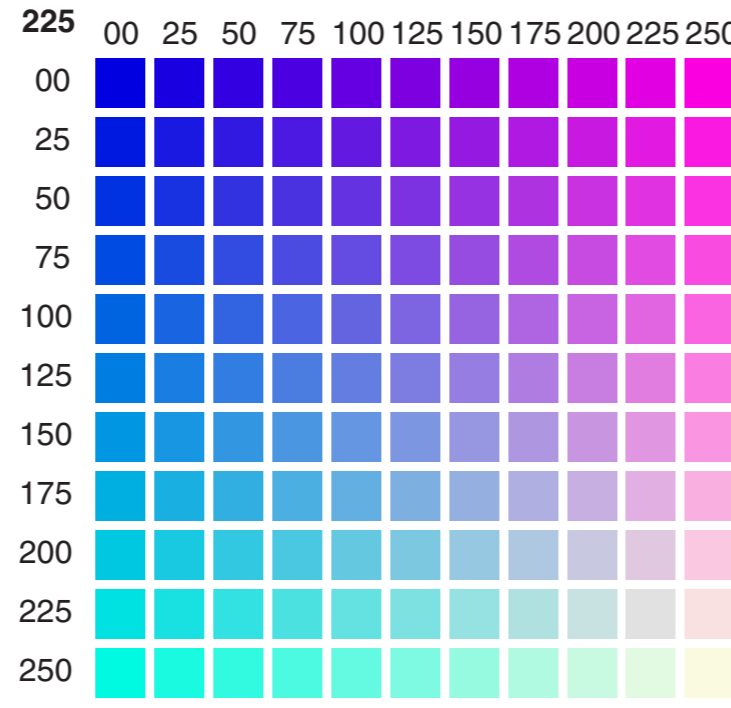
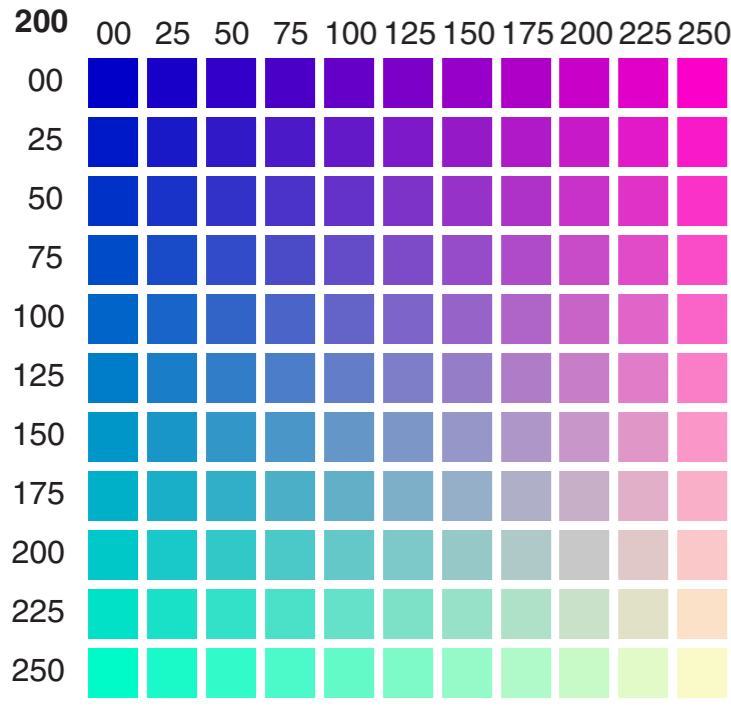
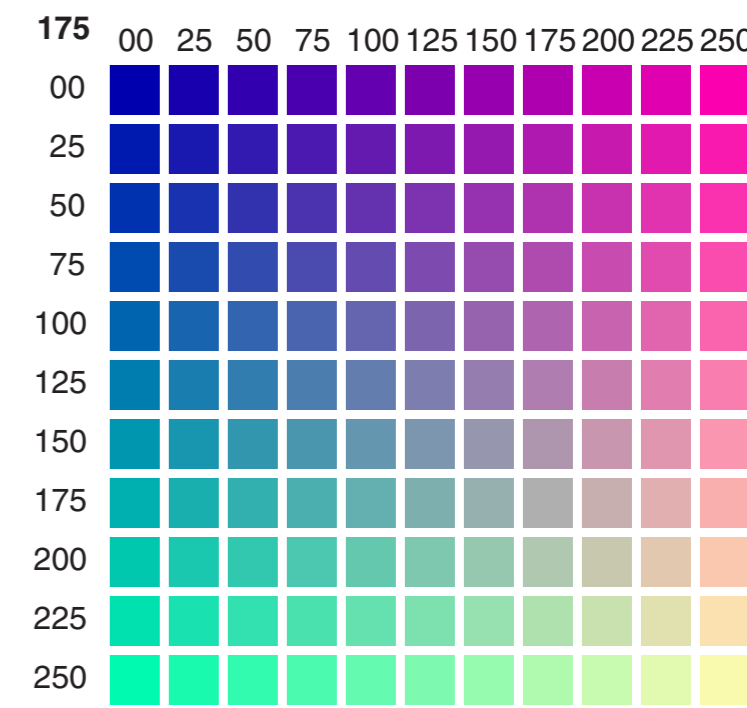
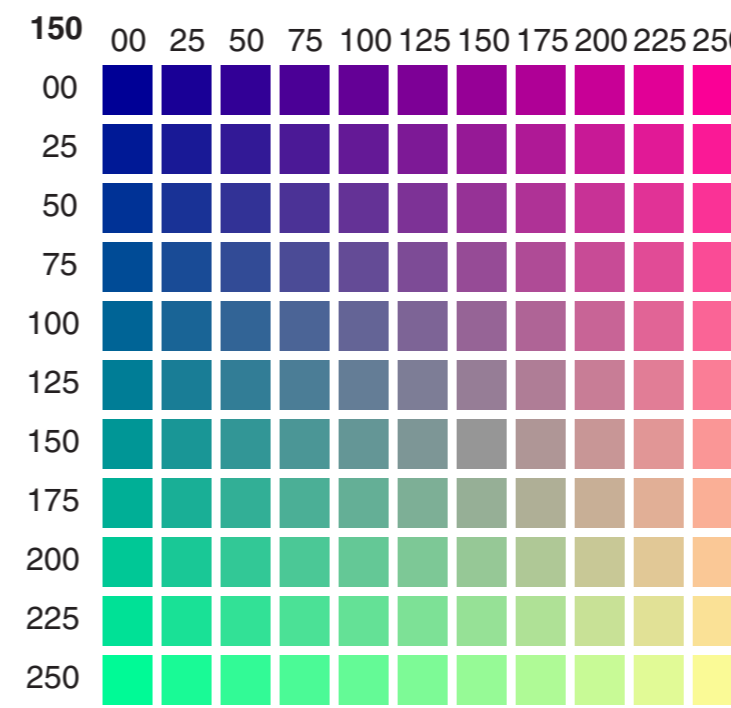
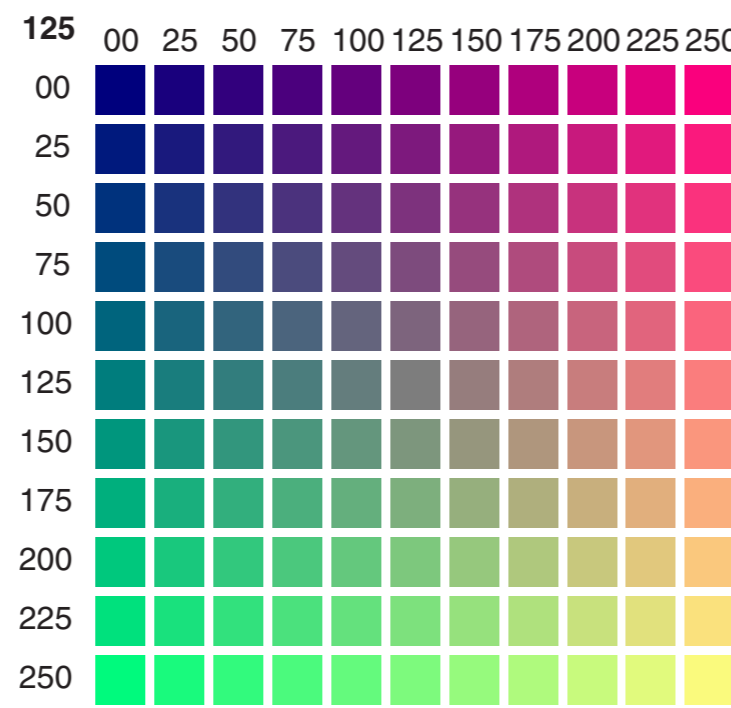
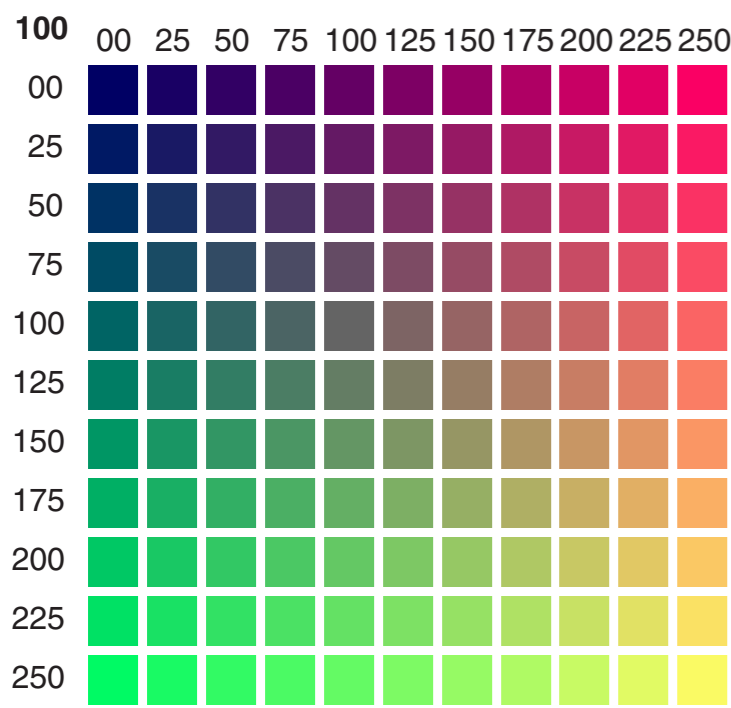
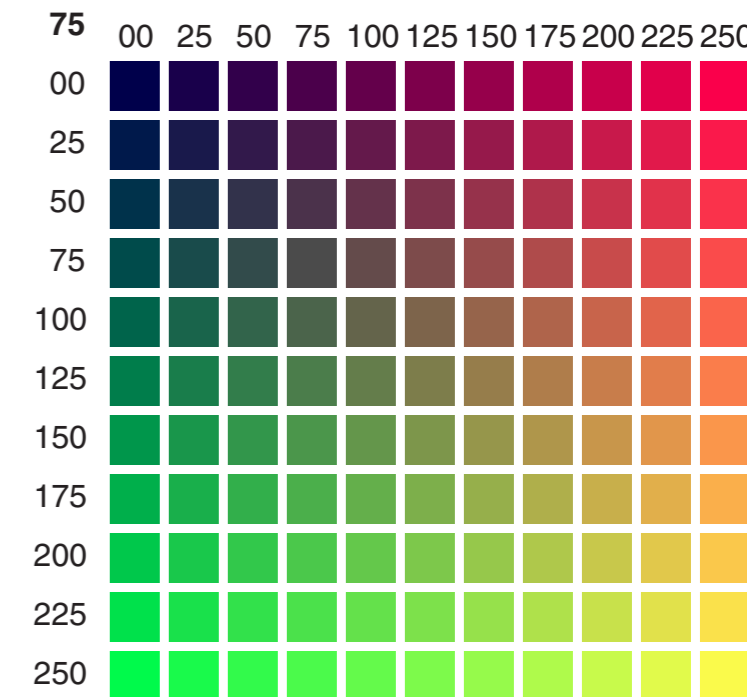
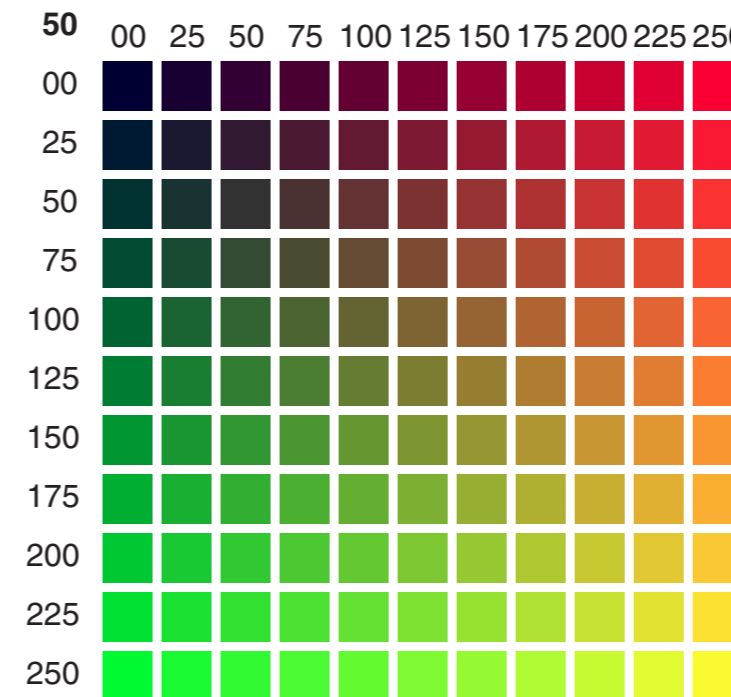
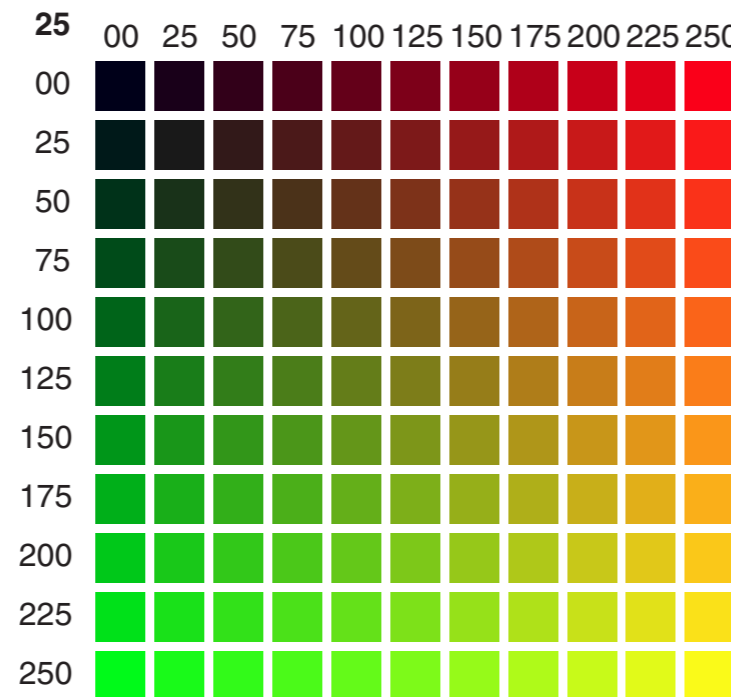
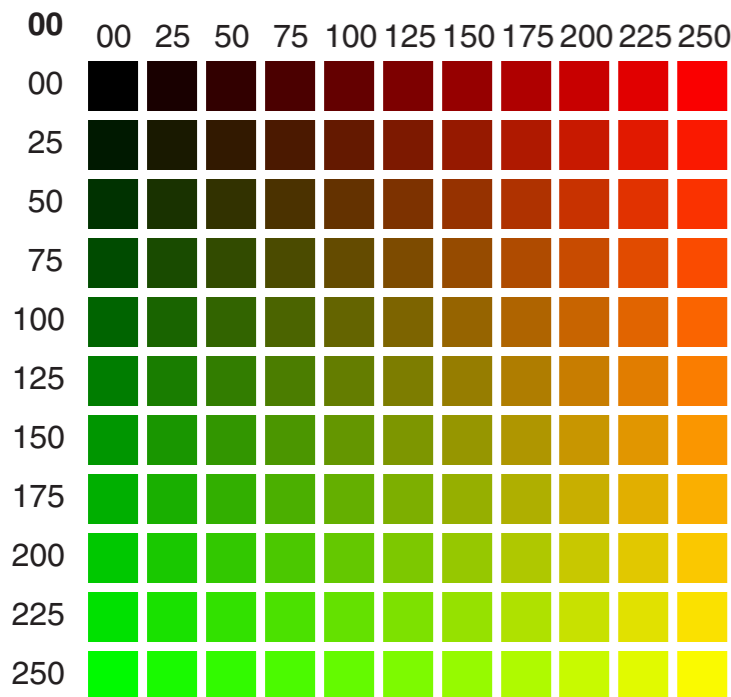
Prepress
Color Wheel

Dot Gain
0% at 50%



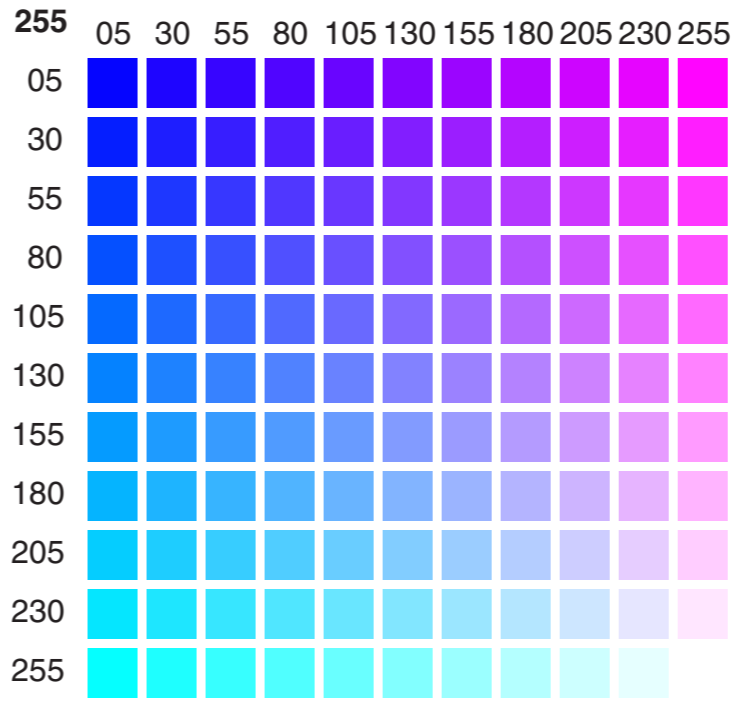
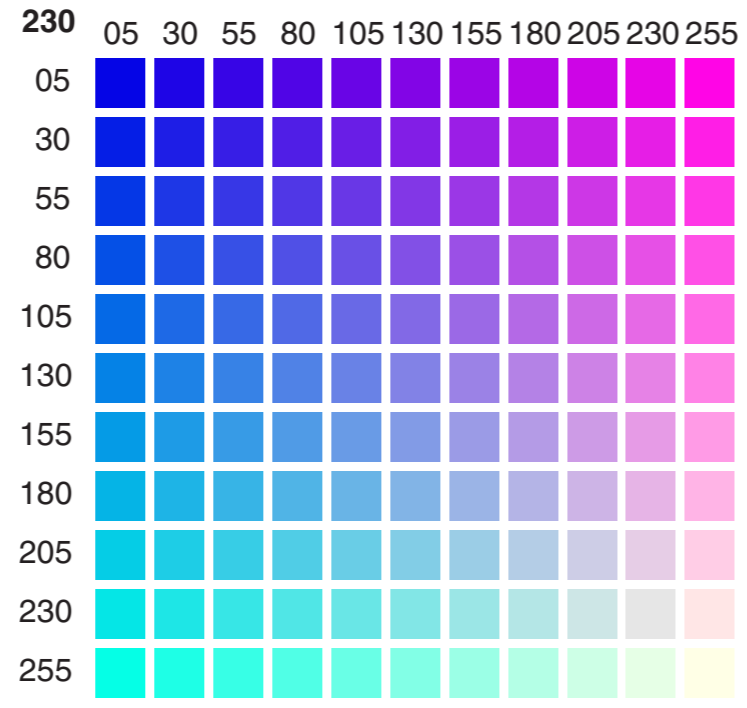
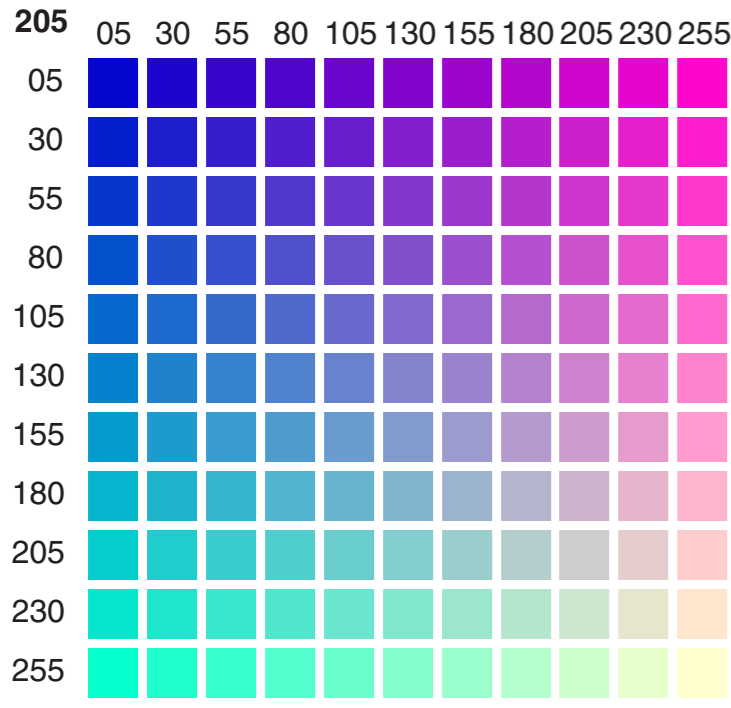
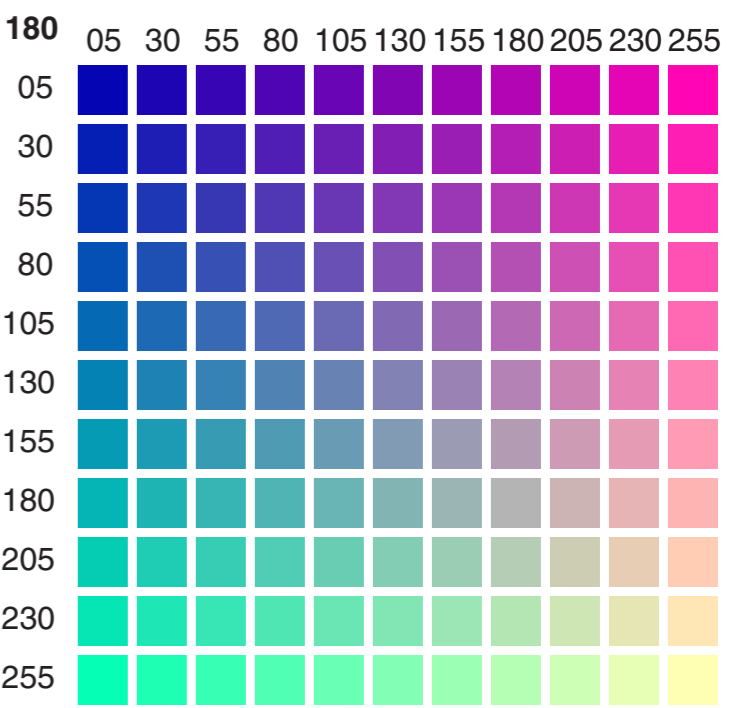
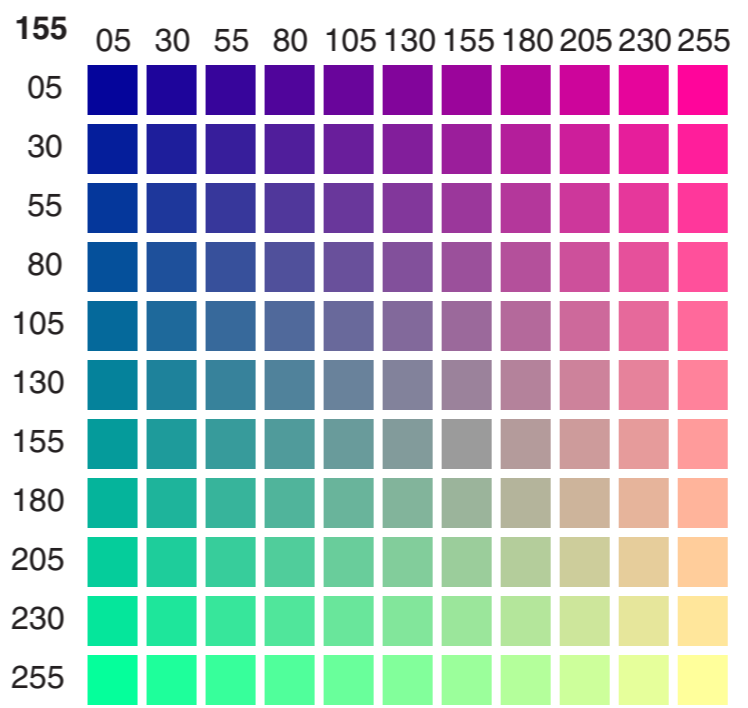
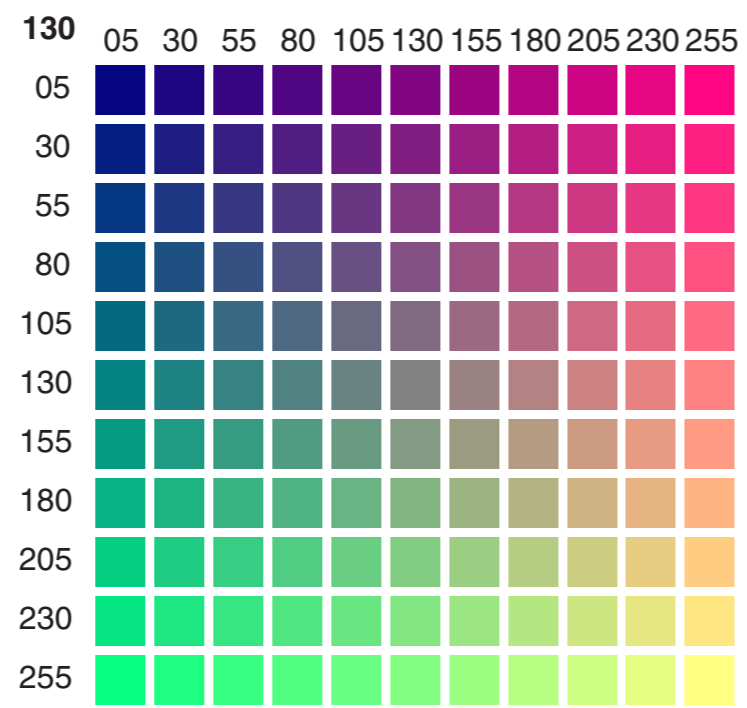
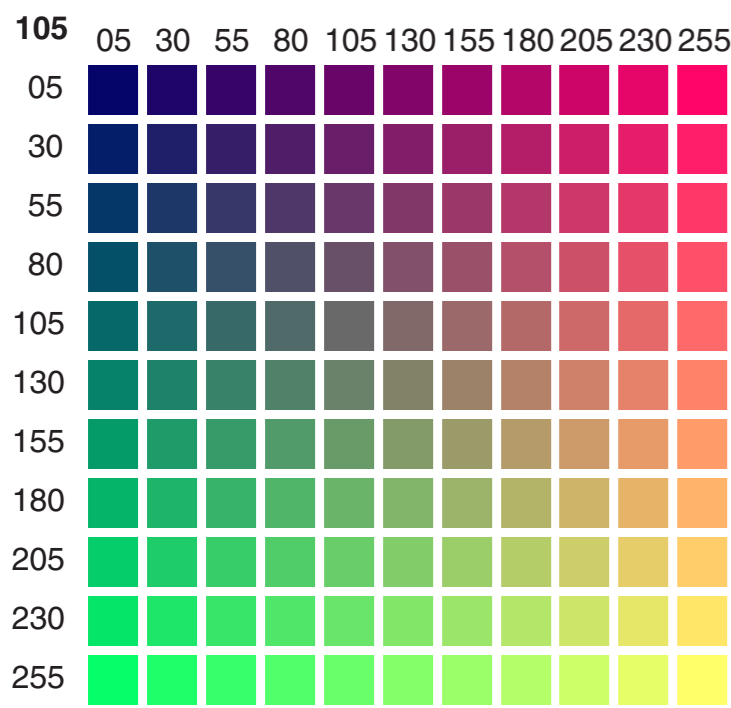
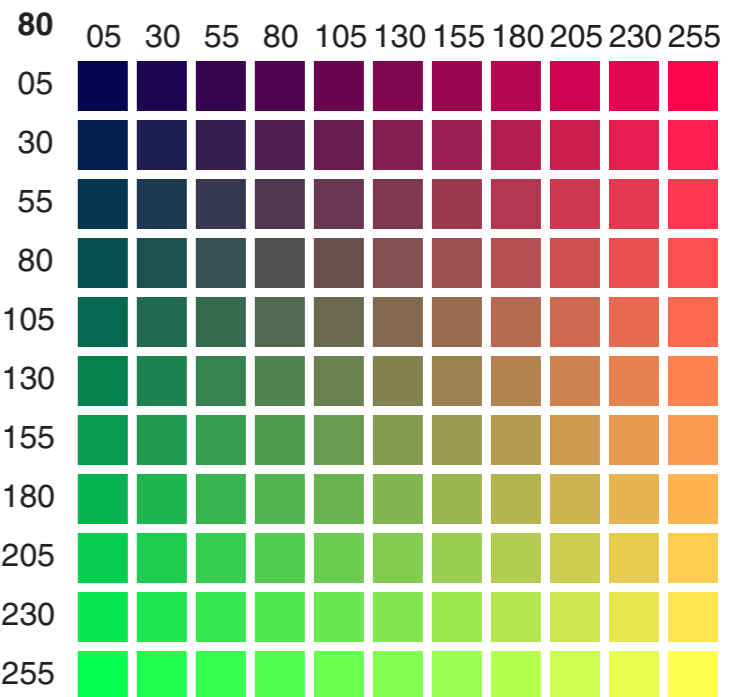
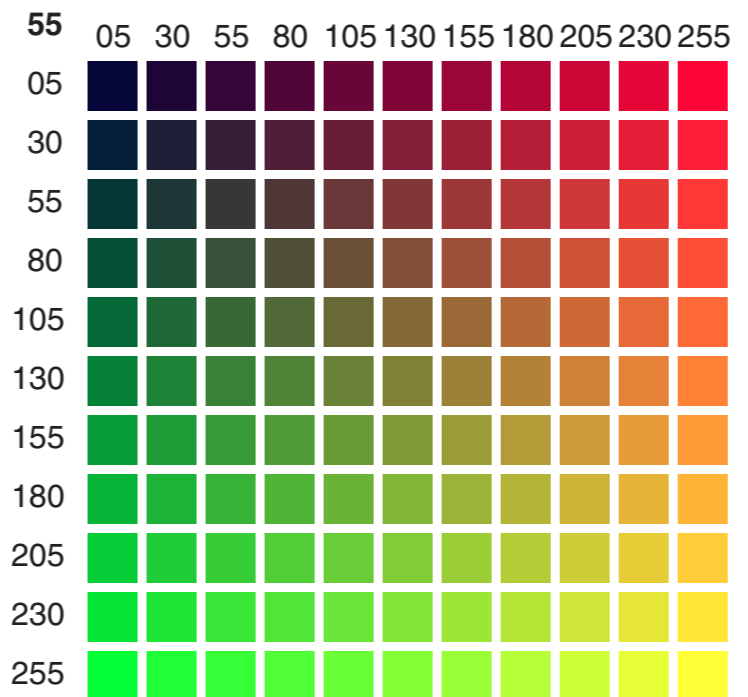
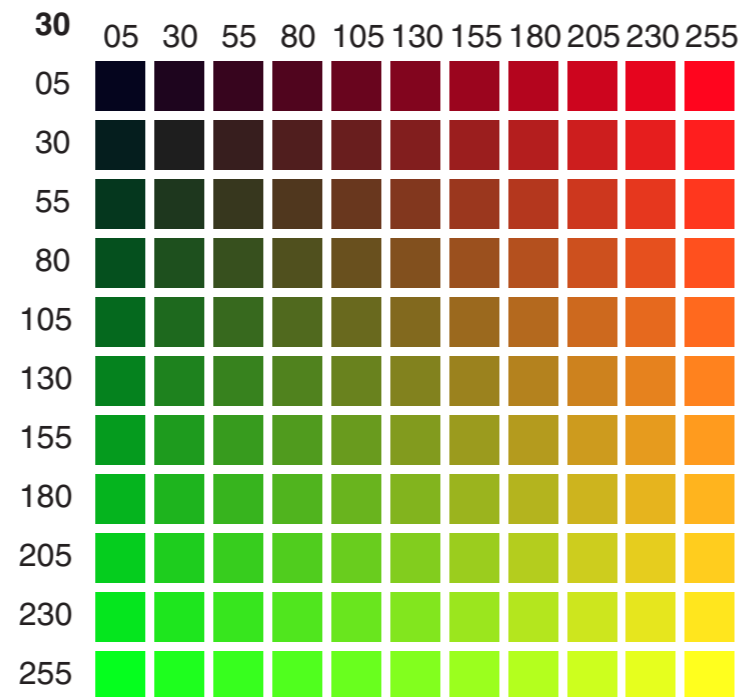
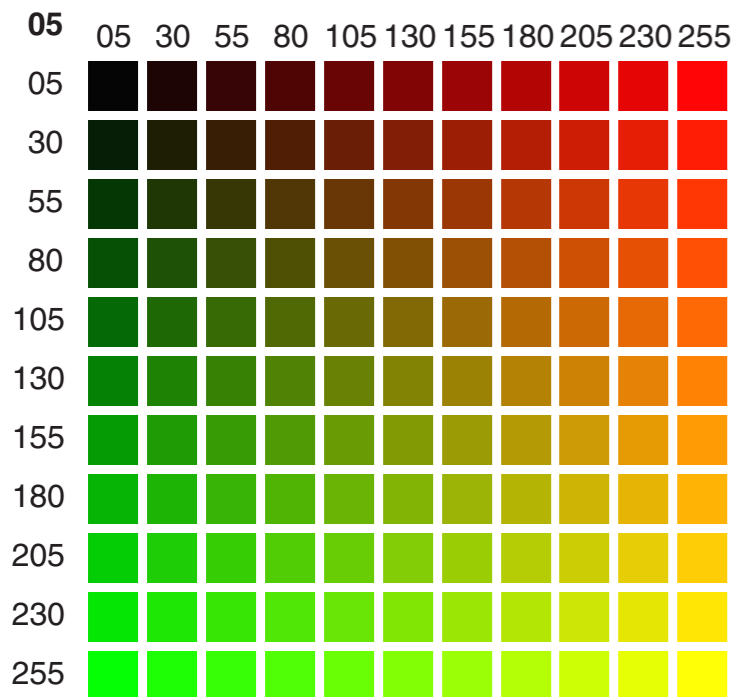
Prepress
Color Wheel

Dot Gain
25% at 50%



Bold Number Blue
Horizontal Red
Vertical Green

RGB 0 – 250



Bold Number Blue
Horizontal Red
Vertical Green

RGB 5 – 255

