
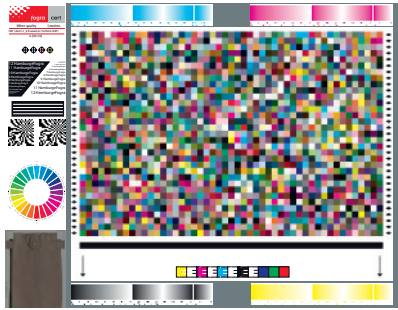
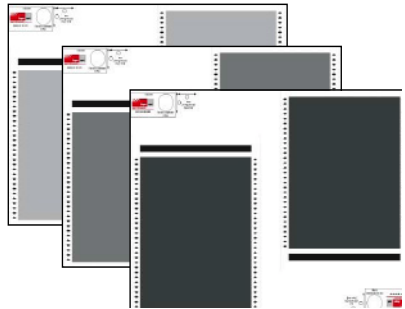

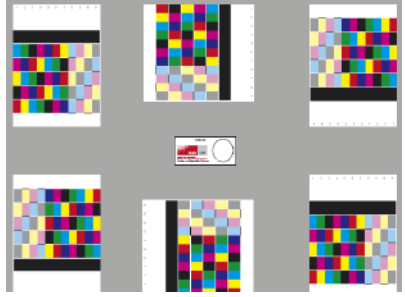


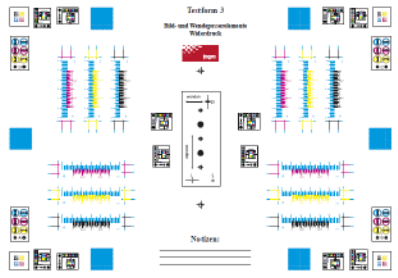

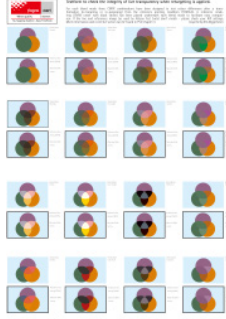
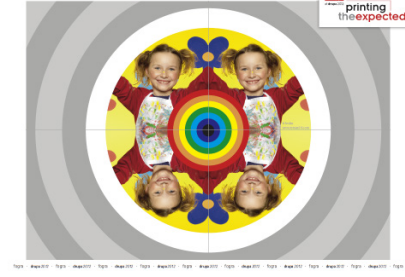
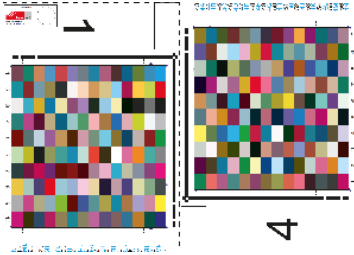


# Fogra ImageQuality Testform Package

Testform	Criteria covered	Testform	Criteria covered
<p>Image Quality</p> 	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Edge Raggedness</li> <li><input checked="" type="checkbox"/> Edge Blurriness</li> <li><input checked="" type="checkbox"/> Bleeding</li> <li><input checked="" type="checkbox"/> Line Width</li> <li><input checked="" type="checkbox"/> Colour Accuracy</li> <li><input checked="" type="checkbox"/> Register</li> <li><input checked="" type="checkbox"/> Effective Addressability</li> <li><input checked="" type="checkbox"/> Fill (Caries)</li> </ul>	<p>Testform: ISO 12647-7_8 Evaluation</p> 	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Colour Accuracy</li> <li><input checked="" type="checkbox"/> Variation tolerances (within the run)</li> <li><input checked="" type="checkbox"/> Graininess</li> <li><input checked="" type="checkbox"/> Edge Raggedness</li> <li><input checked="" type="checkbox"/> Edge Blurriness</li> <li><input checked="" type="checkbox"/> Fill (Caries)</li> <li><input checked="" type="checkbox"/> Inking variations across the format</li> </ul>
<p>Homogeneity</p> 	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Mottle (M-Score)</li> <li><input checked="" type="checkbox"/> Streakiness</li> <li><input checked="" type="checkbox"/> Background Haze</li> <li><input checked="" type="checkbox"/> Inking variations across the Format</li> </ul>	<p>Fading / Permanence</p> 	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Fading</li> <li><input checked="" type="checkbox"/> Light Fastness</li> <li><input checked="" type="checkbox"/> Contouring</li> </ul>
<p>Repeatability</p> 	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Repeatability</li> <li><input checked="" type="checkbox"/> Prinernoise</li> </ul>	<p>Bleeding</p> 	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Bleeding</li> <li><input checked="" type="checkbox"/> Edge Raggedness</li> <li><input checked="" type="checkbox"/> Edge Blurriness</li> </ul>
<p>Mechanical Ghosting</p> 	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Ink Set gloss</li> <li><input checked="" type="checkbox"/> Ghosting</li> <li><input checked="" type="checkbox"/> Shine Through and Strike Through</li> <li><input checked="" type="checkbox"/> Adhesion</li> <li><input checked="" type="checkbox"/> Abrasion</li> </ul>	<p>Register</p> 	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Register</li> </ul>
<p>Tonal Steps</p> 	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Number of technical and visual discernible tonal steps</li> </ul>	<p>Retargeting Testforms</p> 	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Re-Targeting of PDF-X content (Reference: FOGRA39)</li> </ul>
<p>4 Way comparison</p> 	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Visual evaluation (Side-by-Side of different print outs)</li> </ul>	<p>Universal LFP</p> 	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Patch design and layout for ISO 12642-2 compatible chart (IT.8-7/4) - Extra PDF-File</li> </ul>



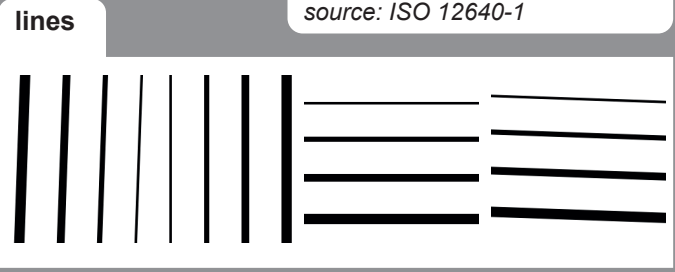
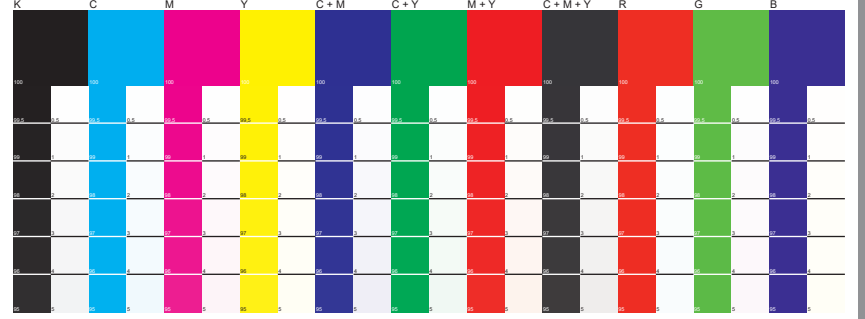
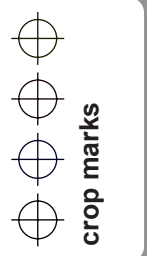
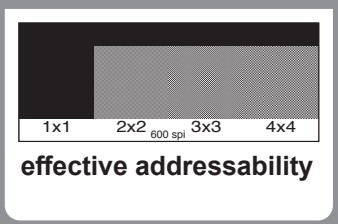
Printing press:		Addressability Res.:	
Name of RIP:		RIP Resolution:	
Substrate:		Screening:	
Combination:		Date:	



ISO 400



© bvdm  
 roman16 bvdm  
 Reference Images



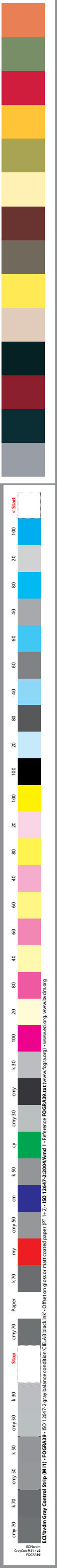
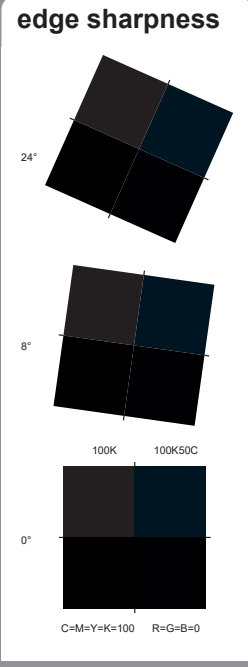
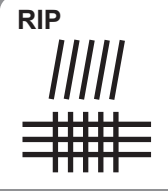
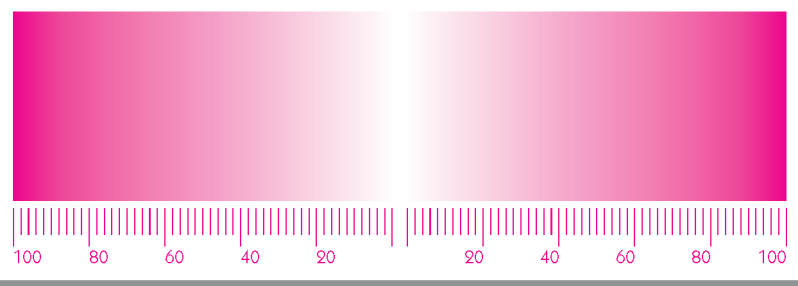
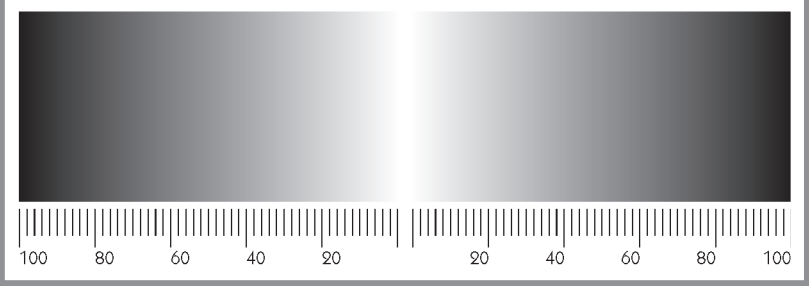
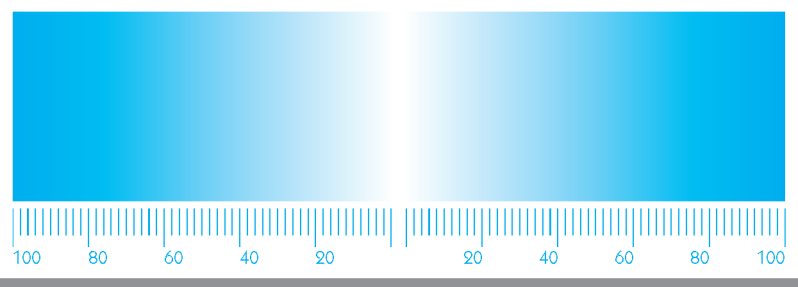
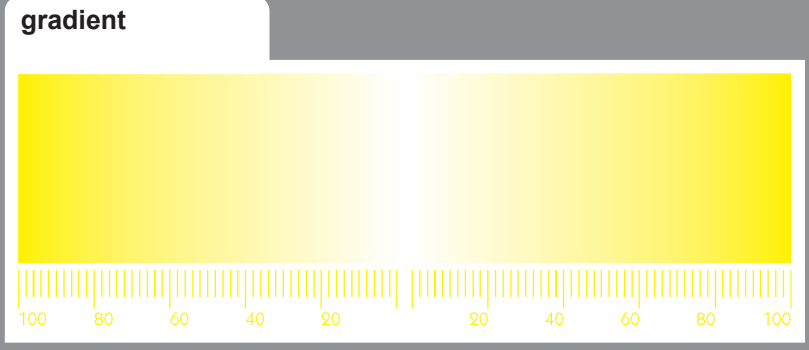
details, resolution, memory colours, metal  
 source: ISO 12640-1



skin colours  
 source: ISO 12640-1



details, colour  
 s: Fujifilm Europe GmbH







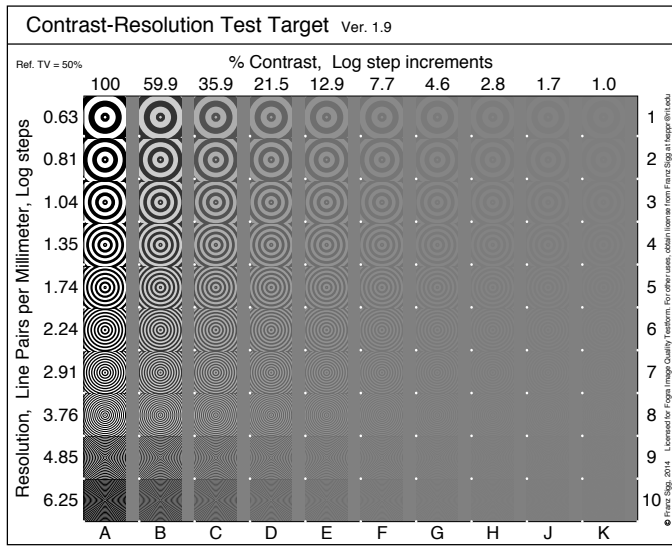
GCR/UCR  
Match for FOGRA39

memory colours

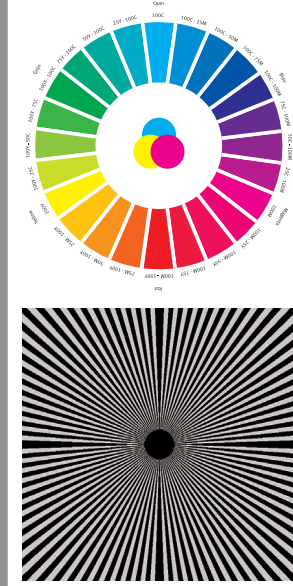
g.fischer „Allgäuer Landschaft“ / CC-Lizenz (BY 2.0), <http://creativecommons.org/licenses/by/2.0/de/deed.de> / Quelle: www.piqs.de



cleverprinting



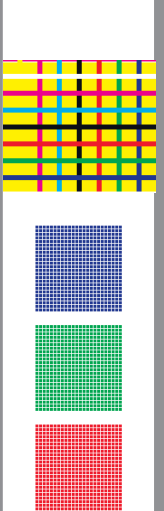
perceptual resolution



overprint & resolution  
Source: 12640-1 S2.tif

brown shades, metal

source: Cleverprinting Testform 2007  
(C) by Jens Kollmorgen / Cleverprinting.de



bleeding

FC Hansa Rostock 4  
Eintracht Braunschweig 5  
FC Erzgebirge Aue 6  
1. FC Union Berlin 8  
FC Bayern München 10  
Hamburger SV 12  
Werder Bremen 14

FC Hansa Rostock 4  
Eintracht Braunschweig 5  
FC Erzgebirge Aue 6  
1. FC Union Berlin 8  
FC Bayern München 10  
Hamburger SV 12  
Werder Bremen 14

FC Hansa Rostock 4  
Eintracht Braunschweig 5  
FC Erzgebirge Aue 6  
1. FC Union Berlin 8  
FC Bayern München 10  
Hamburger SV 12  
Werder Bremen 14

FC Hansa Rostock 4  
Eintracht Braunschweig 5  
FC Erzgebirge Aue 6  
1. FC Union Berlin 8  
FC Bayern München 10  
Hamburger SV 12  
Werder Bremen 14



© bvdmb

skin colours & homogeneity  
roman16 bvdmb Reference Images

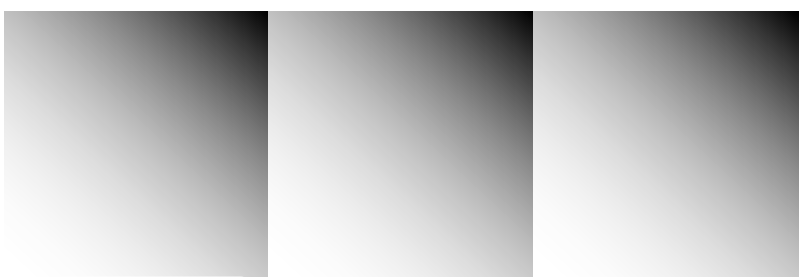


details, gradients

Michi-93 „Cessna Caravan“ / CC-Lizenz (BY 2.0), <http://creativecommons.org/licenses/by/2.0/de/deed.de> / Quelle: www.piqs.de



homogeneity  
Match for FOGRA39



colour gradient



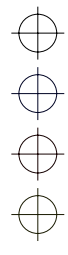
Ugra/Fogra-Medienkeil-CMYK-EPS V3.0a Proof

Copyright Fogra 2008

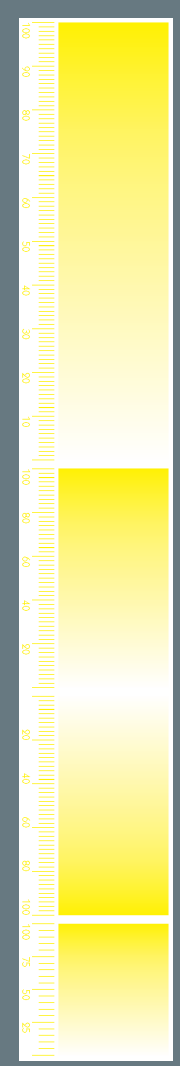
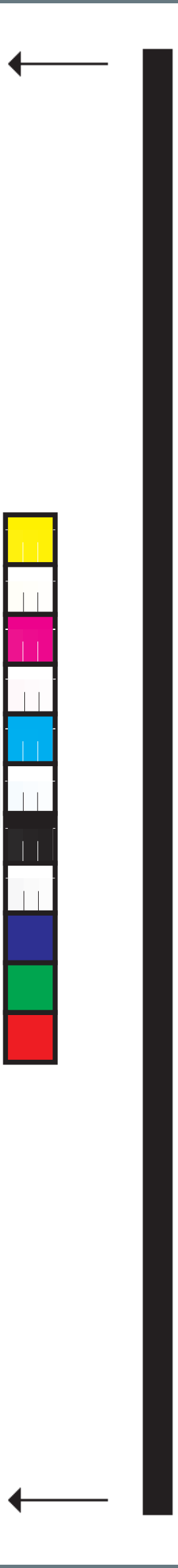
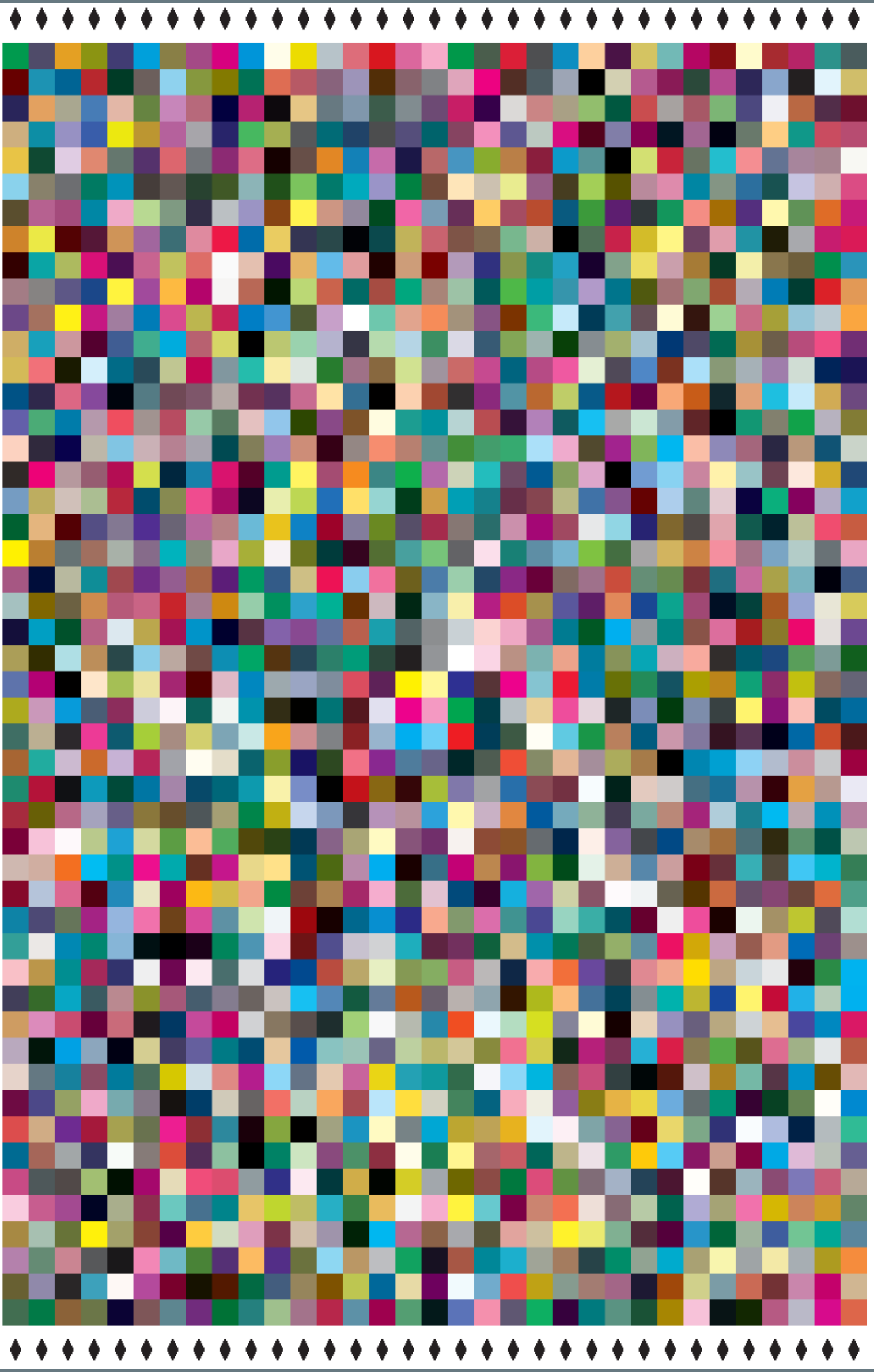
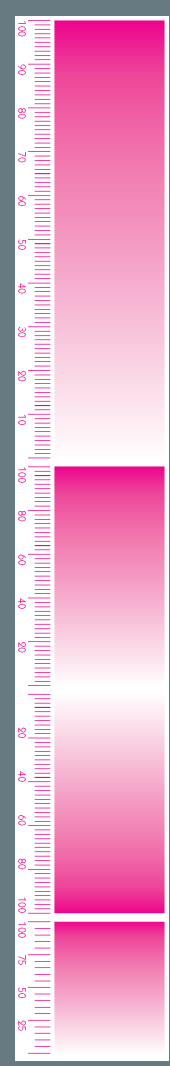
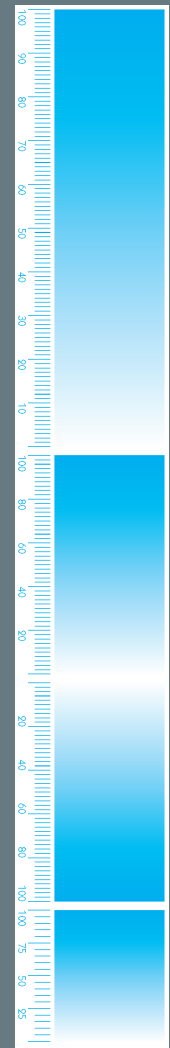
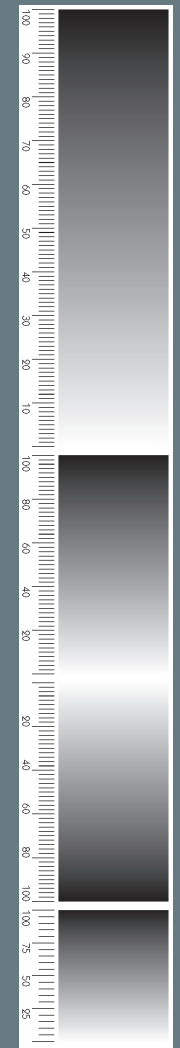
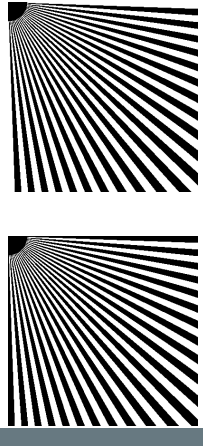
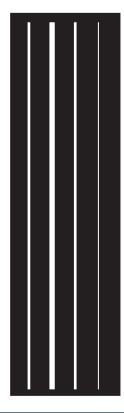
Liz.: 3FO120308  
User: Publikation Schmitt

Resolution: 300 DPI  
Device: Adobe PostScript Parser





- 12 HamburgFogra
- 11 HamburgFogra
- 10 HamburgFogra
- 9 HamburgFogra
- 8 HamburgFogra
- 7 HamburgFogra
- 6 HamburgFogra
- 5 HamburgFogra
- 4 HamburgFogra
- 3 HamburgFogra
- 2 HamburgFogra
- 1 HamburgFogra

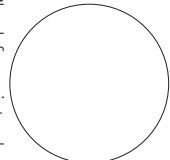




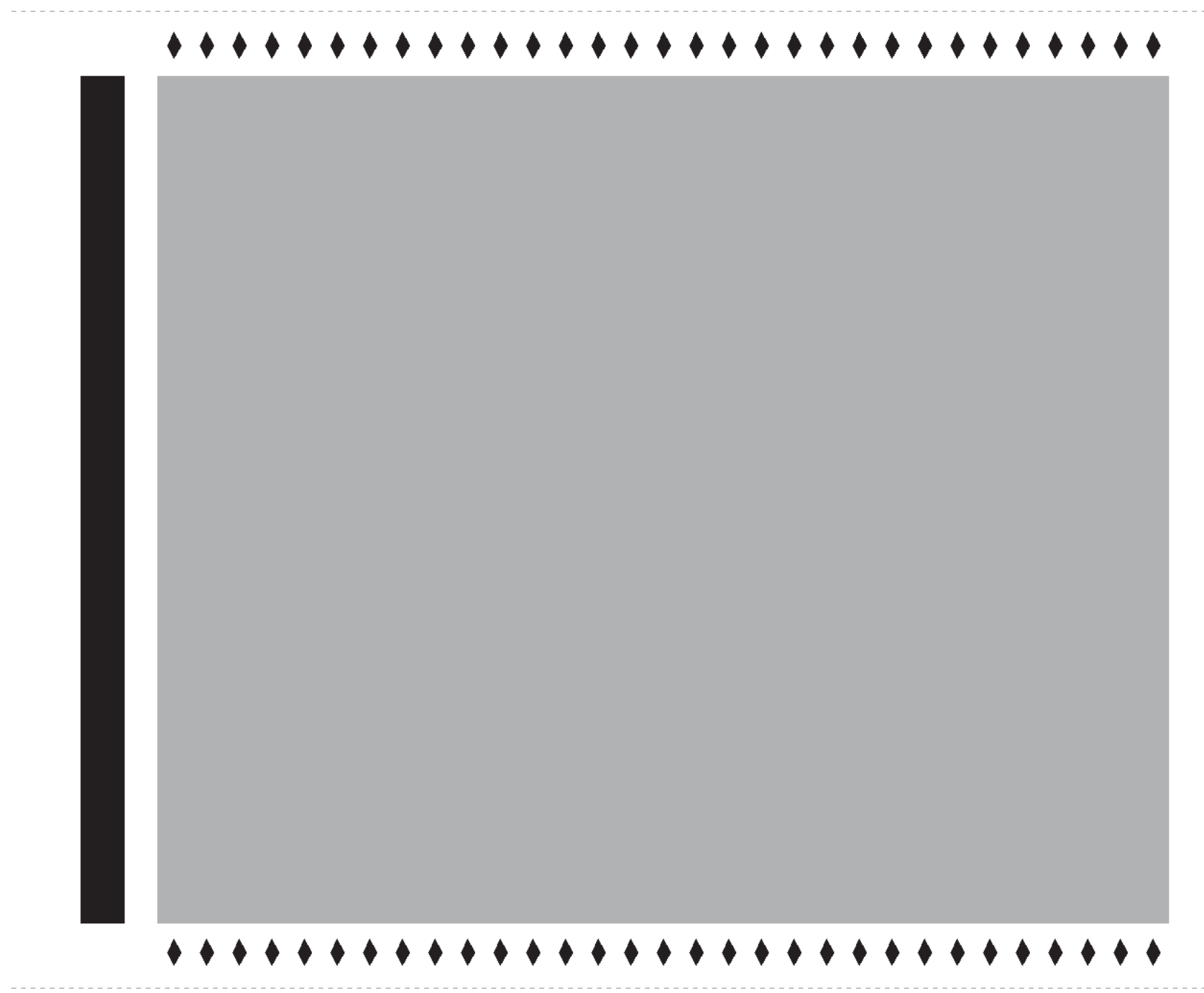



Combination:  
fogra cert  
Digital Print Evaluation  
CMYK: 20 15 15 15

Check for unintended scaling

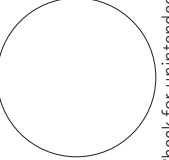


Mark  
printing direction  
[Paper feed]

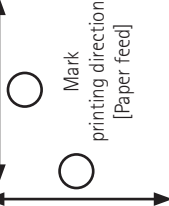


Combination:  
fogra cert  
Digital Print Evaluation  
CMYK: 20 15 15 15

Check for unintended scaling



Mark  
printing direction  
[Paper feed]



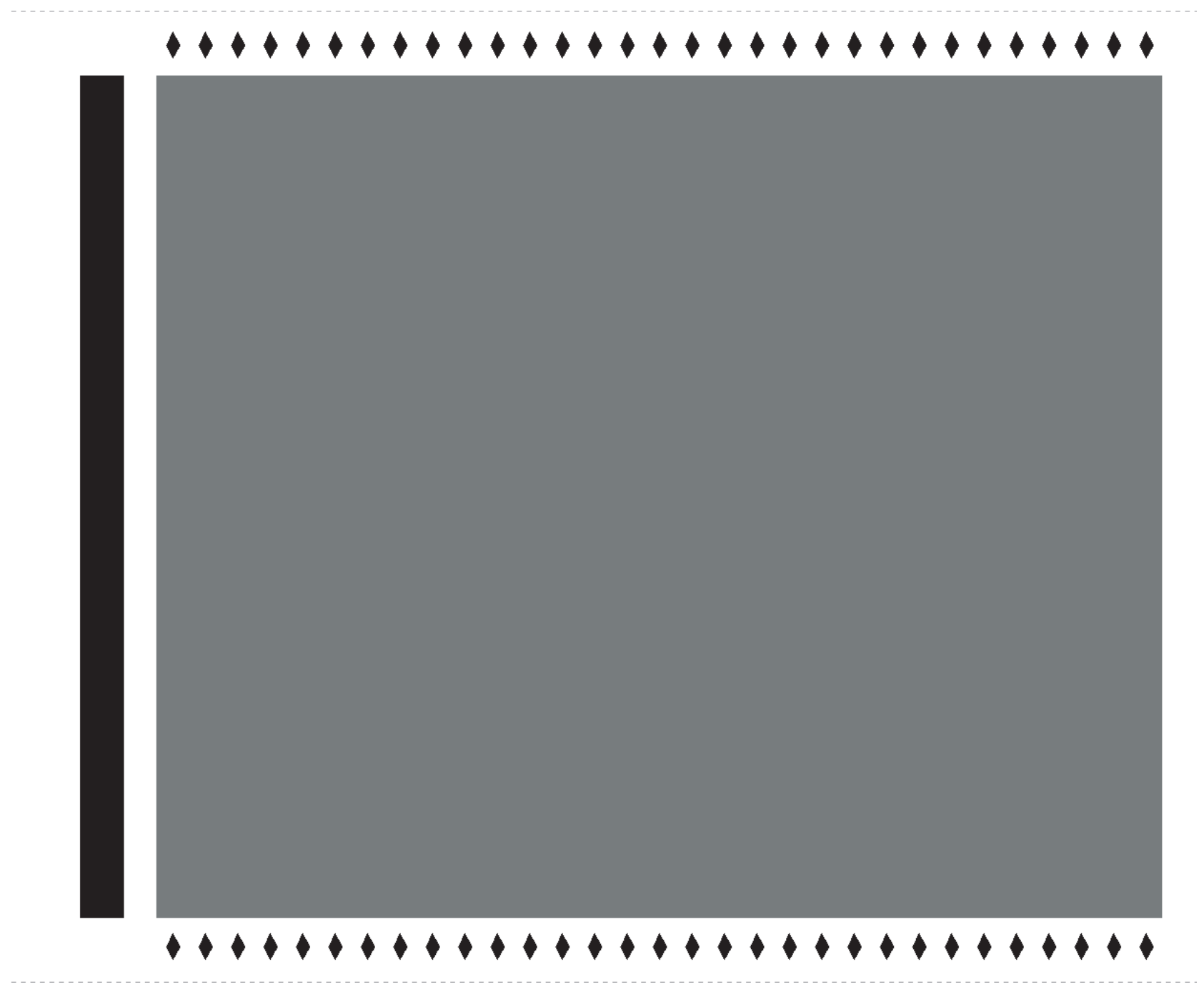




Combination:  
fogra cert  
Digital Print Evaluation  
CMYK: 20 15 15 15

Check for unintended scaling

Mark printing direction [Paper feed]



Combination:  
fogra cert  
Digital Print Evaluation  
CMYK: 20 15 15 15

Check for unintended scaling

Mark printing direction [Paper feed]

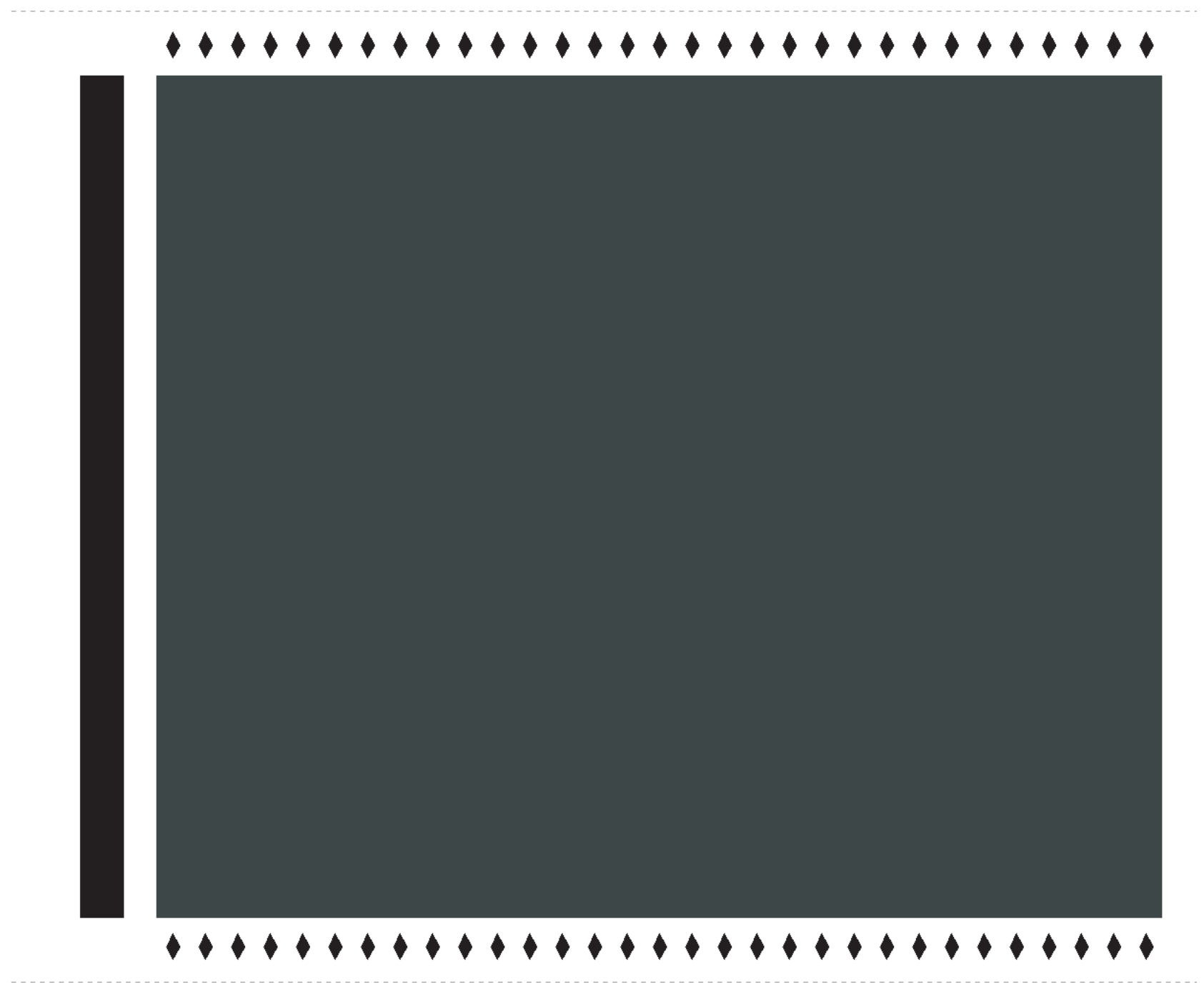




Combination:  
Digital Print Evaluation  
**fogra** cert  
CMYK: 80 56 56 56

Check for unintended scaling

Mark printing direction [Paper feed]

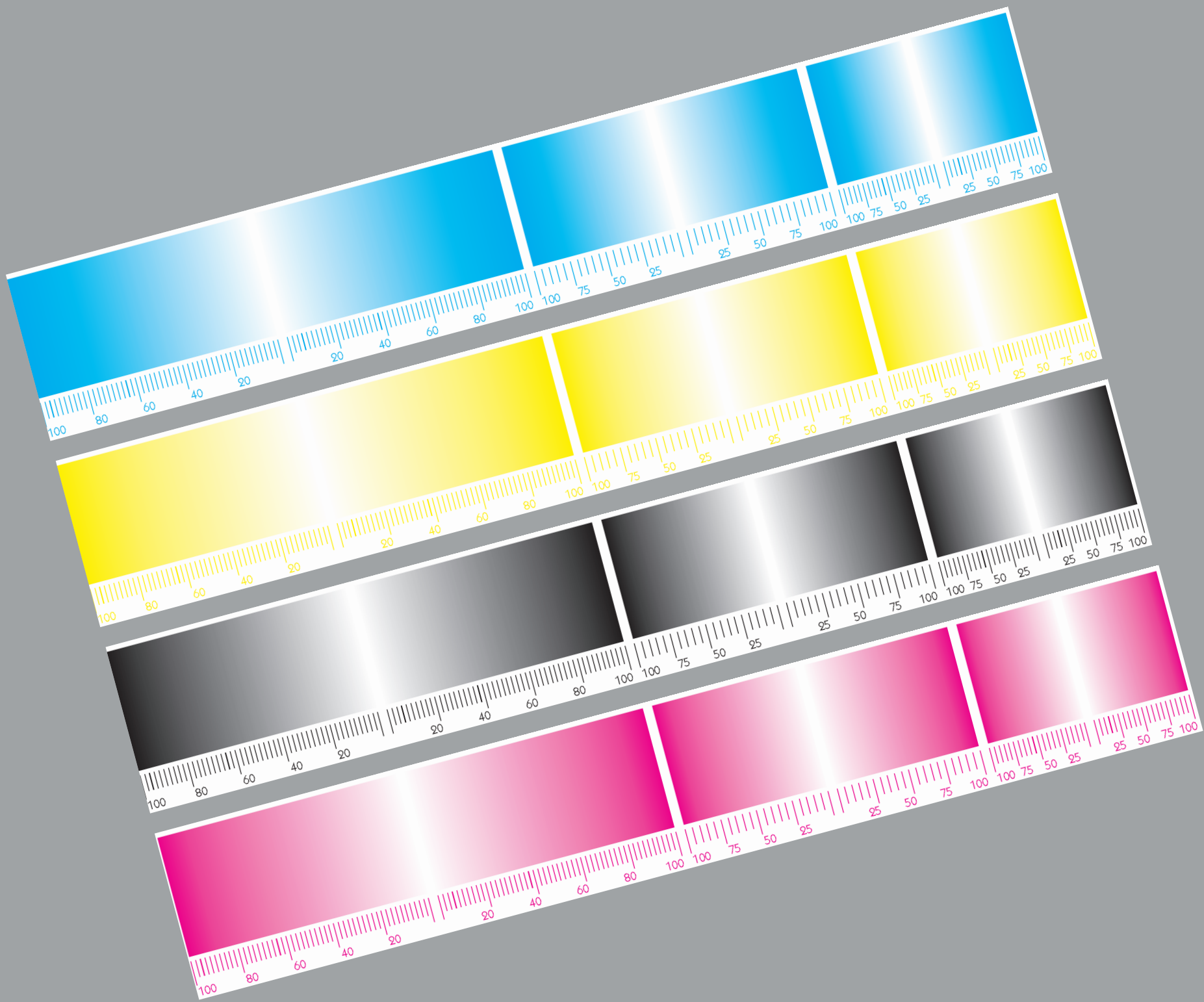
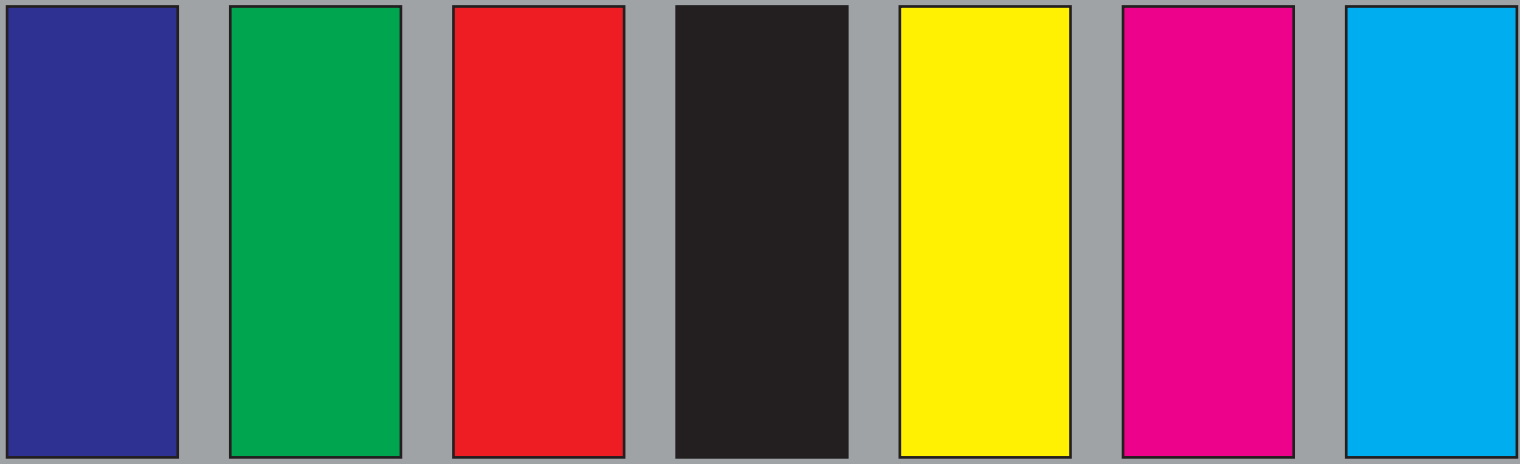


Combination:  
Digital Print Evaluation  
**fogra** cert  
CMYK: 80 56 56 56

Check for unintended scaling

Mark printing direction [Paper feed]





Digital Print Evaluation  
**fogra**  
**cert**  
 Testform 4: Fading  
 Time printed:

Combination:

Light Fastness & Permanence Test Target

--	--	--	--	--	--	--

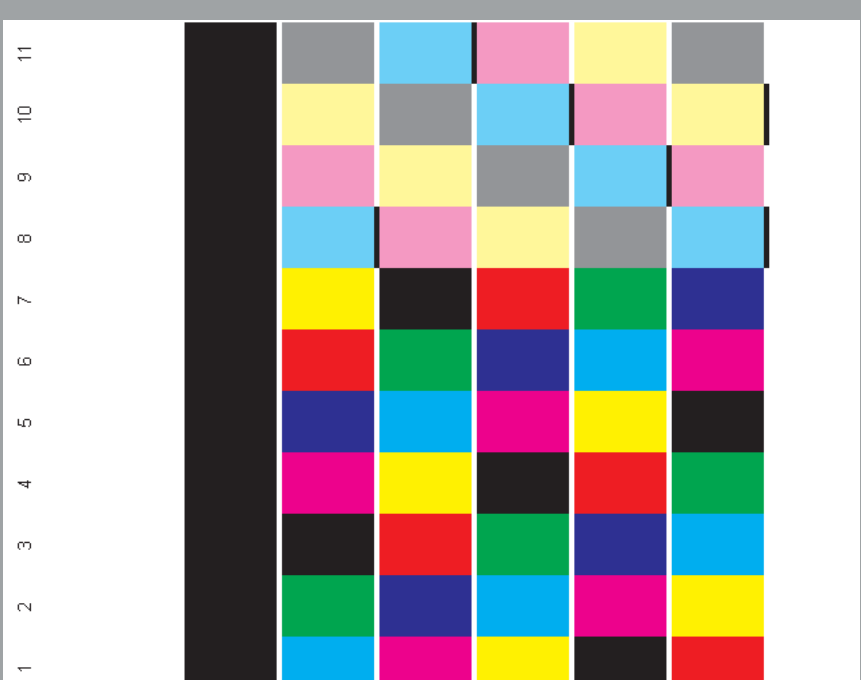
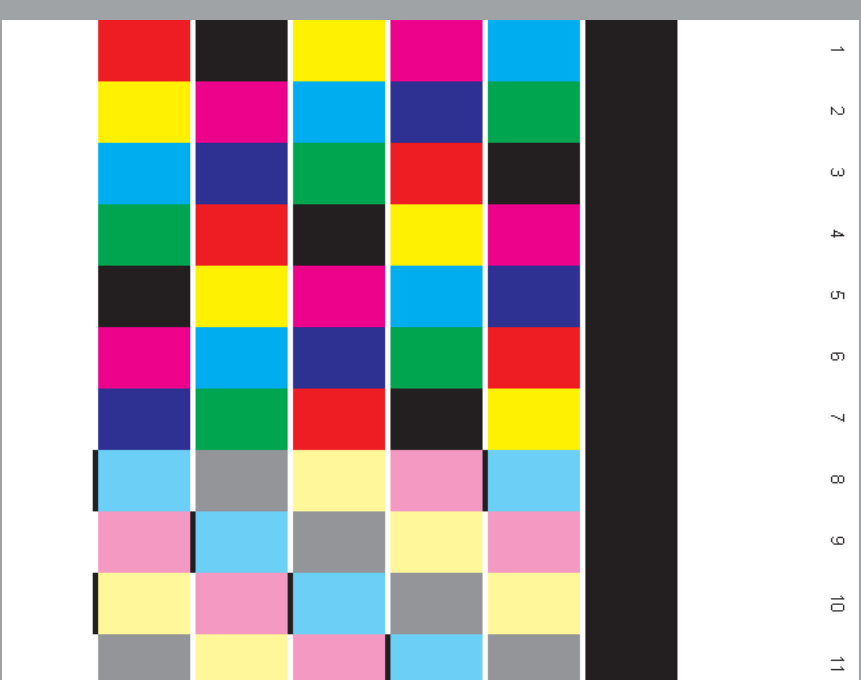
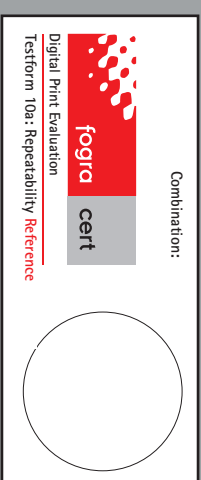
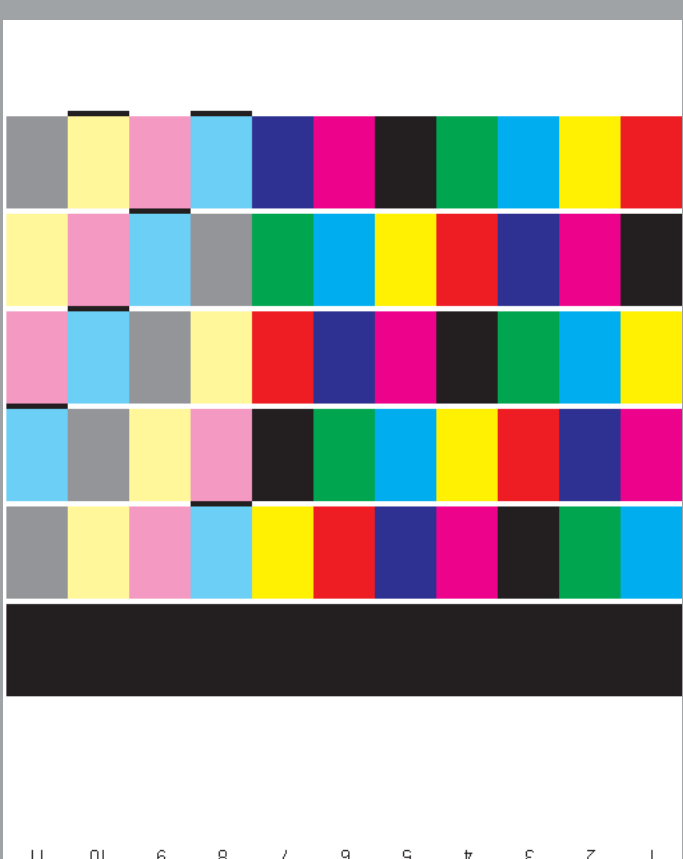
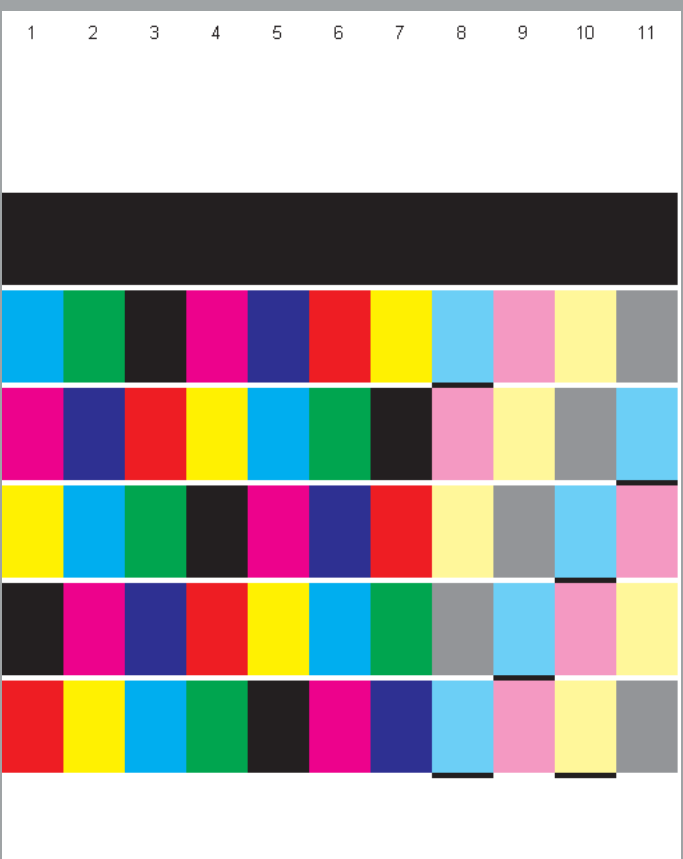
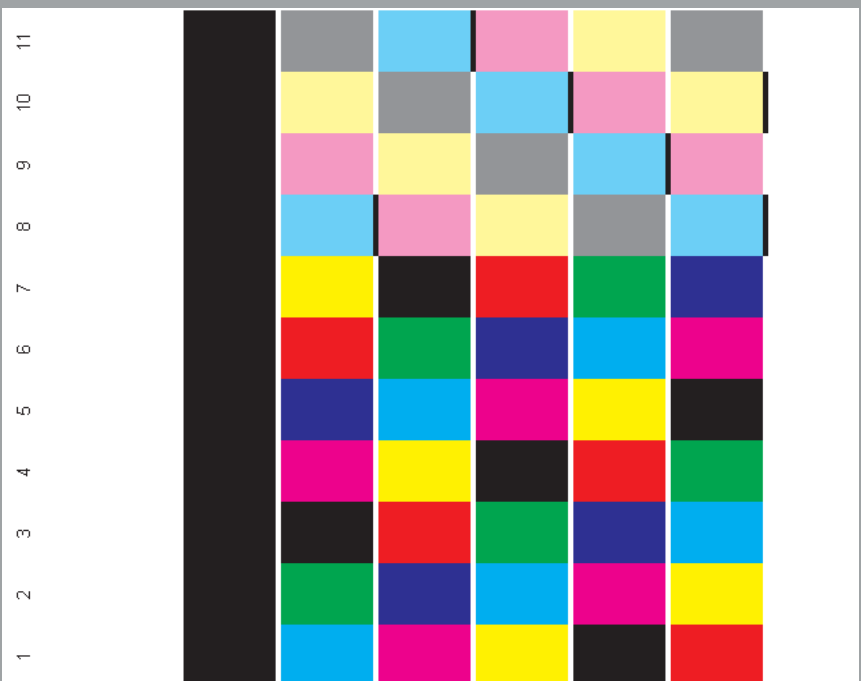
Combination Nr.

Light Fastness & Permanence Test Target

--	--	--	--	--	--	--

Combination Nr.

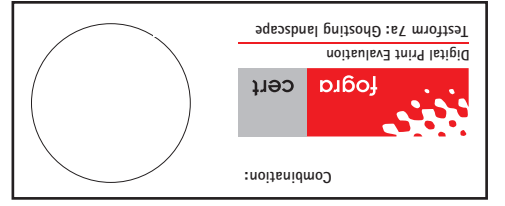




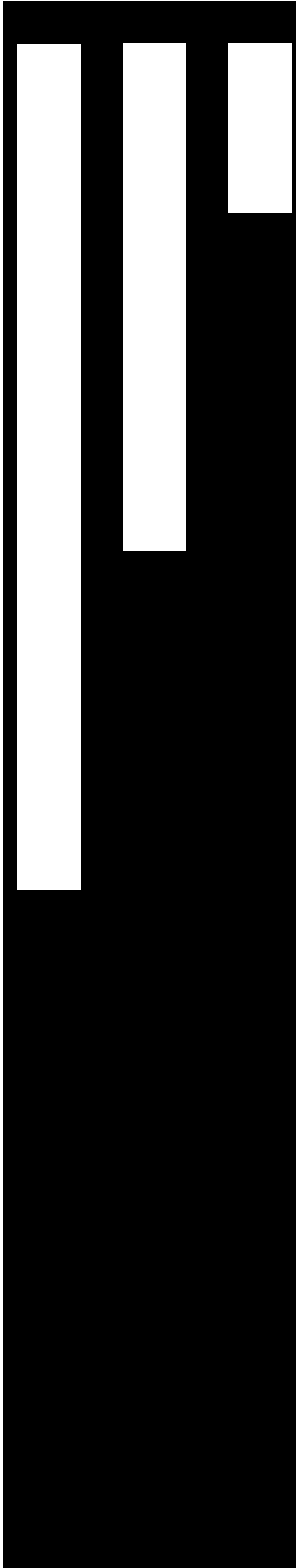
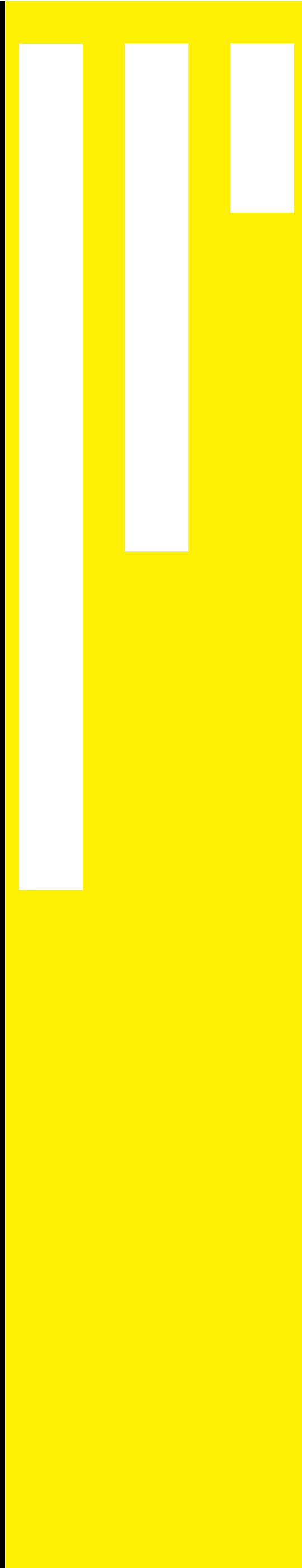






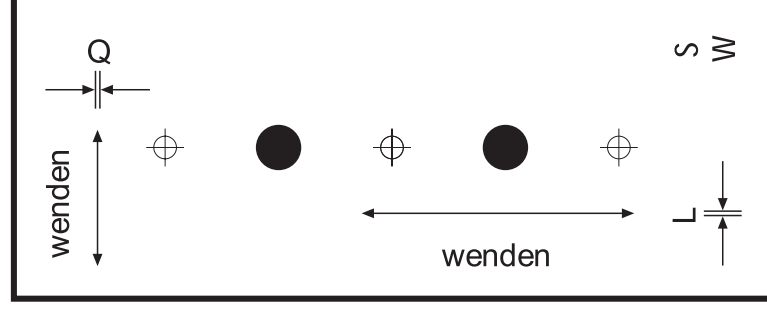
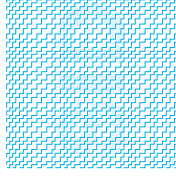
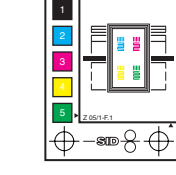
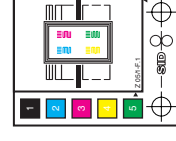
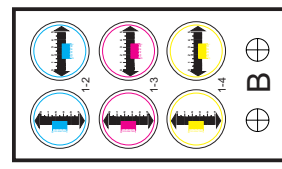
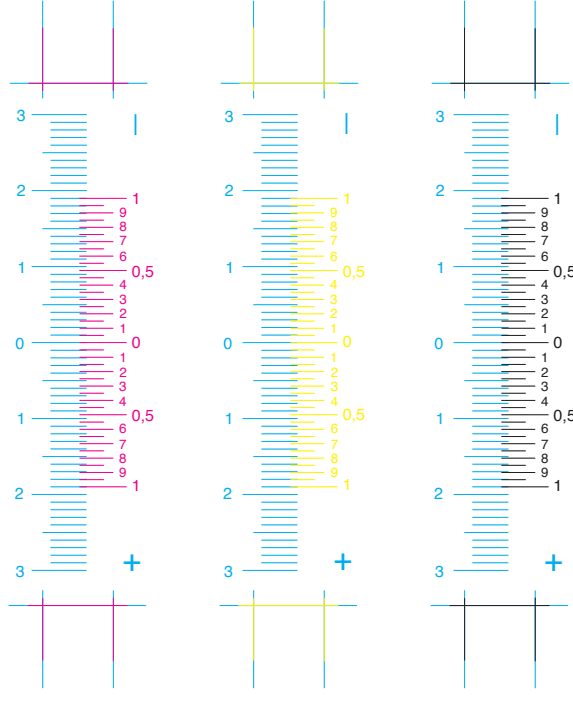
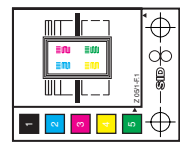
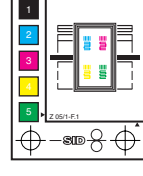
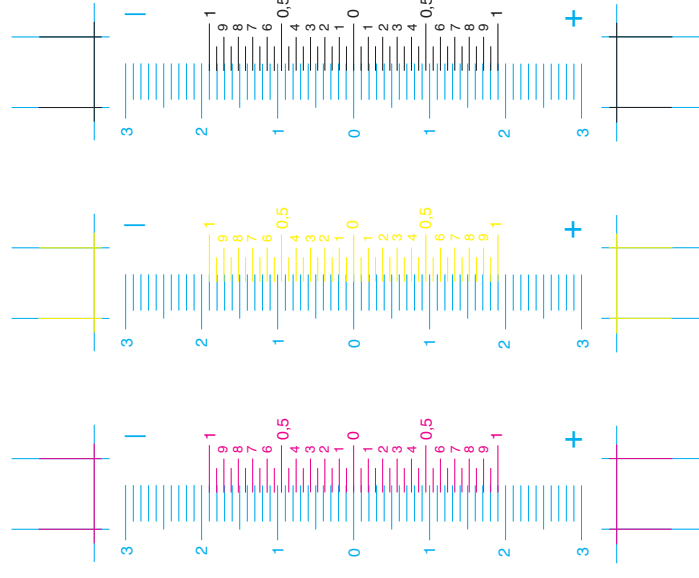
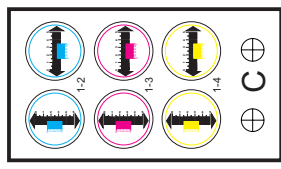
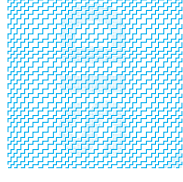
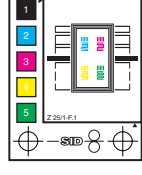
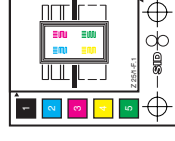
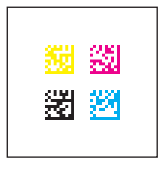






# Testform: Registration

## Image registration

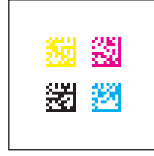
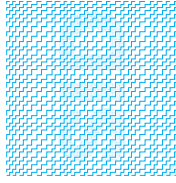
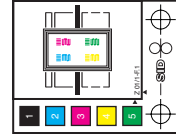
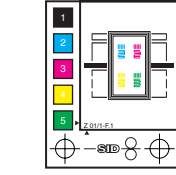
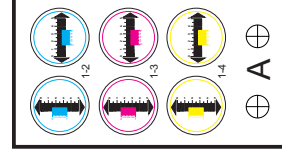
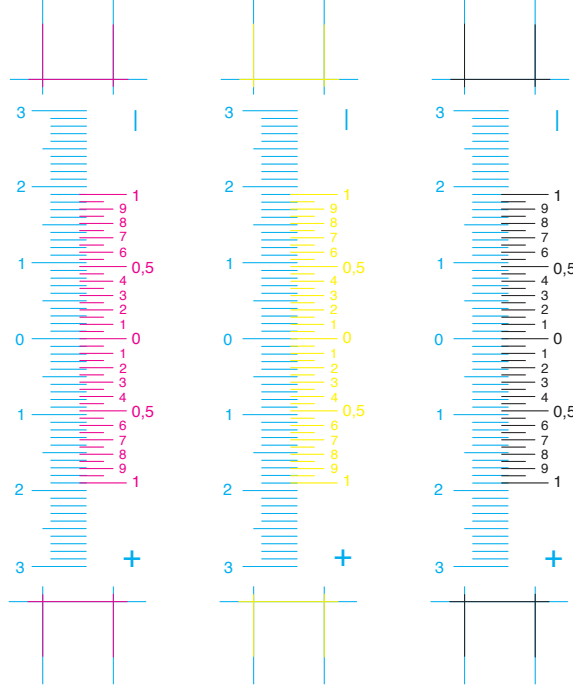
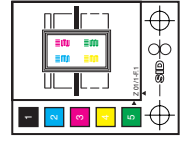
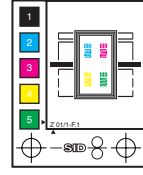
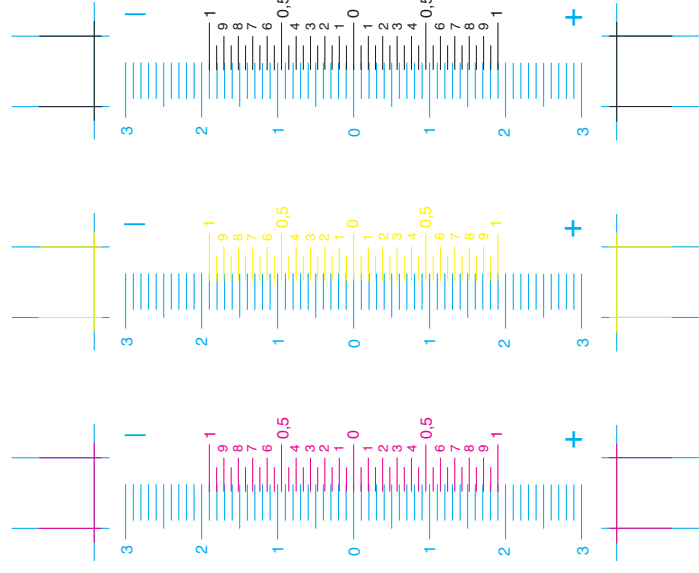
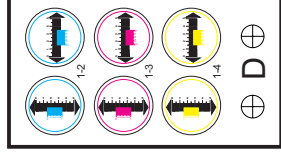
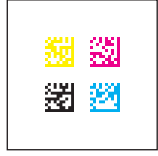
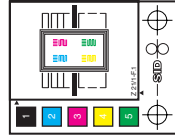
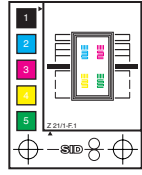
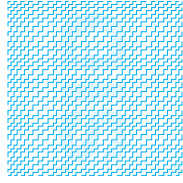


## Notizen:

---

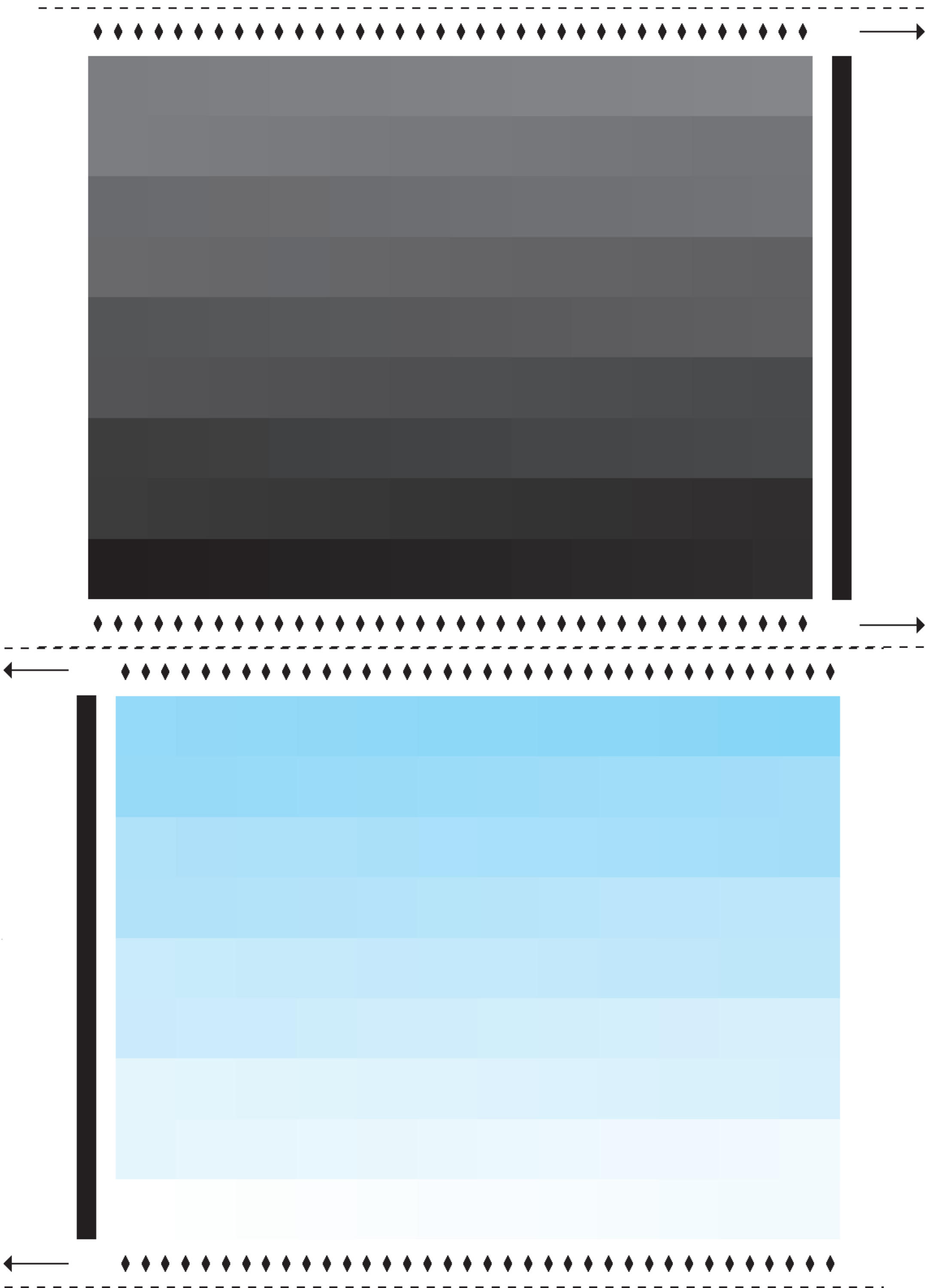
---

---

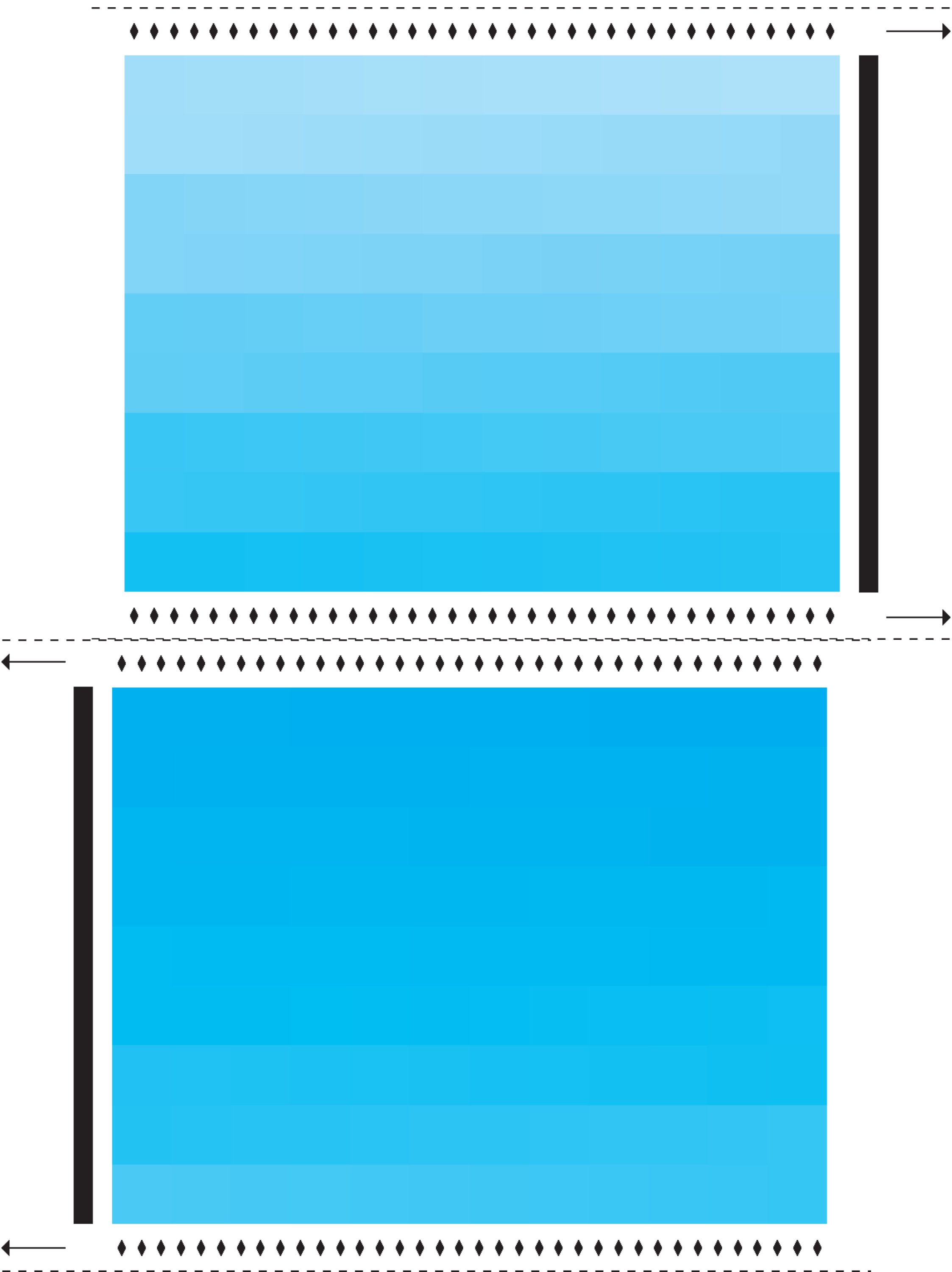


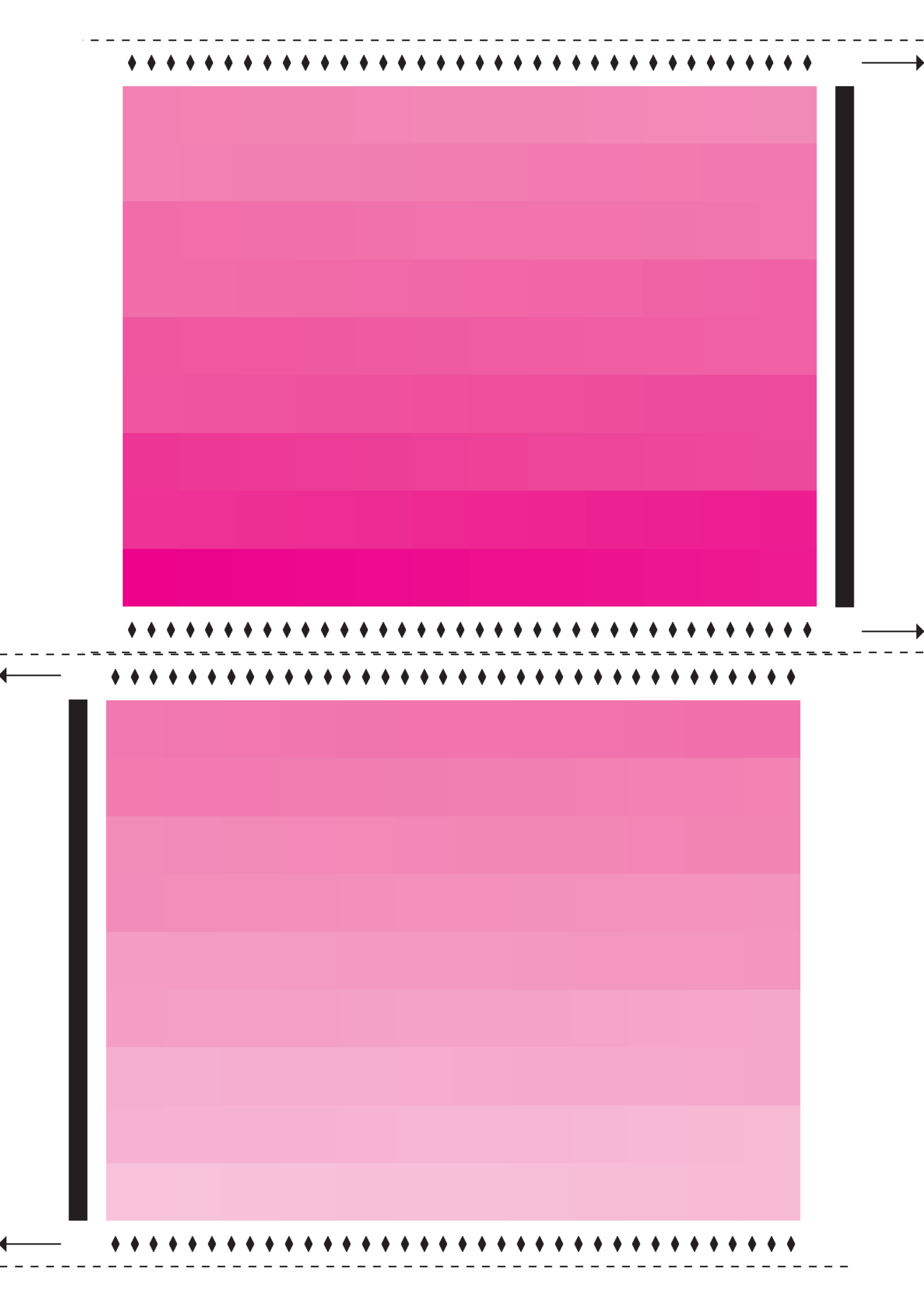




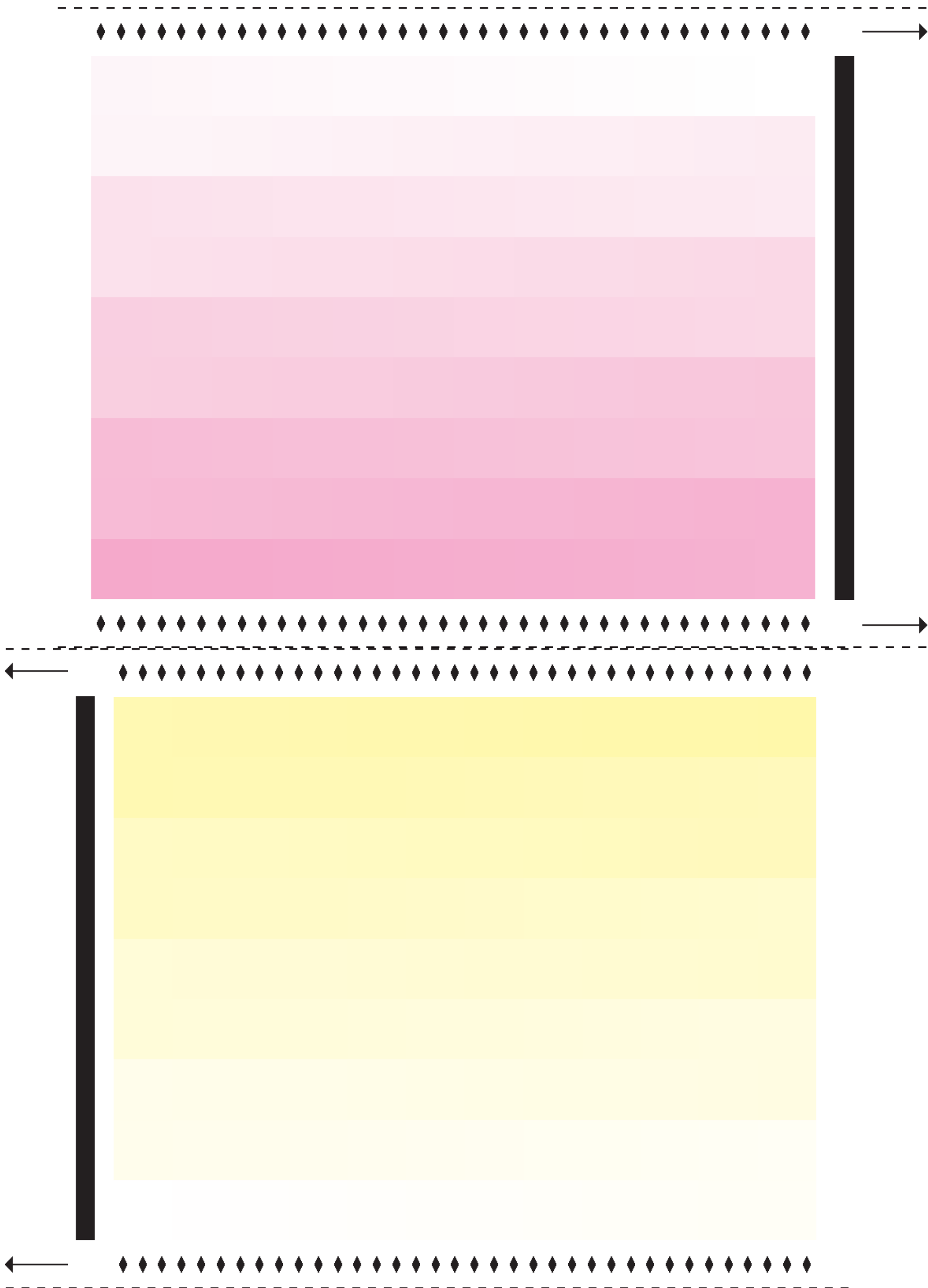


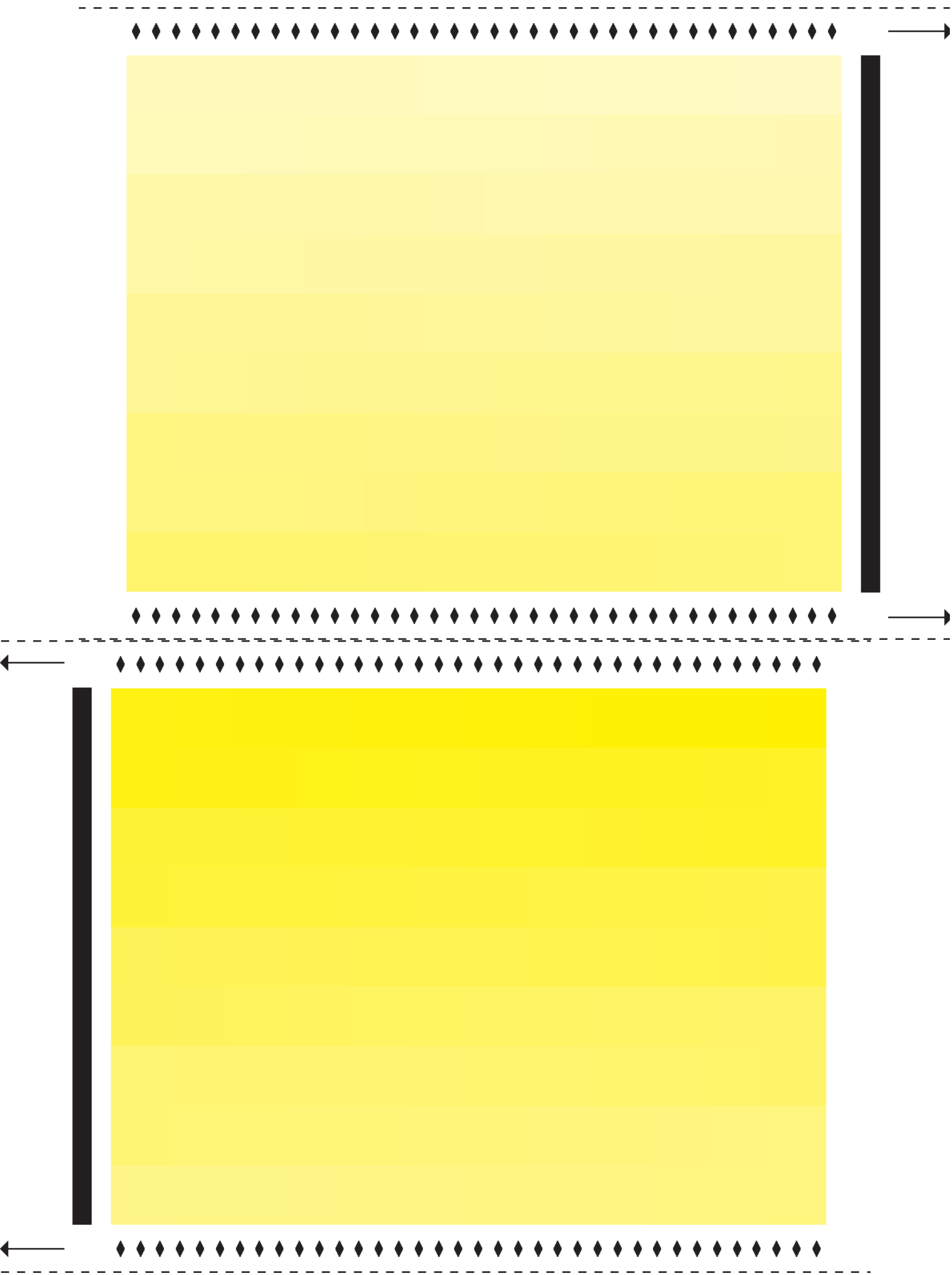








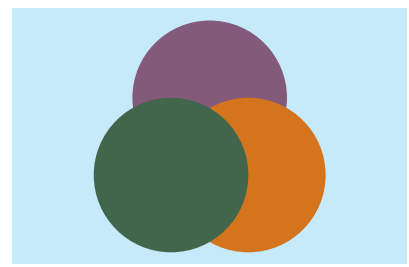




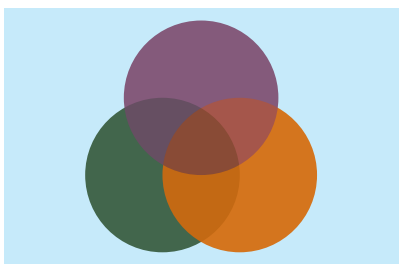


# Testform to check the integrity of live transparency when retargeting is applied.

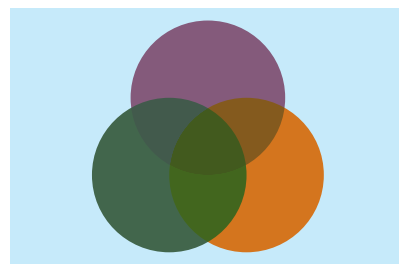
For each blend mode three CMYK combinations have been designed to test colour differences after a transformation (re-targeting or re-purposing) from the reference printing condition FOGRA39. A reference rendering (CMYK raster with black stroke) has been placed underneath each blend mode to facilitate easy comparison. If the live and references image (as used by Altona Test Suite) don't match - please check your RIP settings. More information and corrective action can be found in PSD chapter 3. *Inspired by Nils Niggemann*



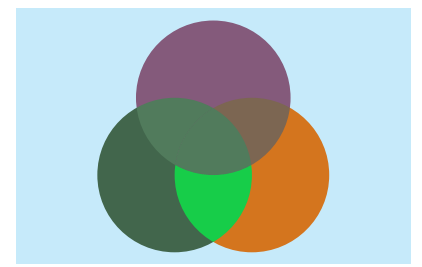
Blend Mode: Normal



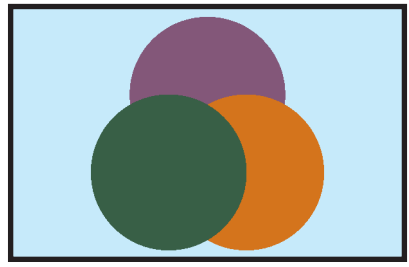
Blend Mode: Soft Light



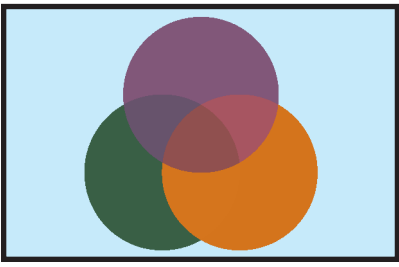
Blend Mode: Darken



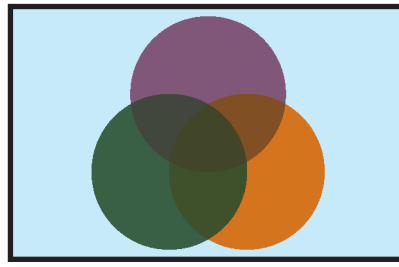
Blend Mode: Hue



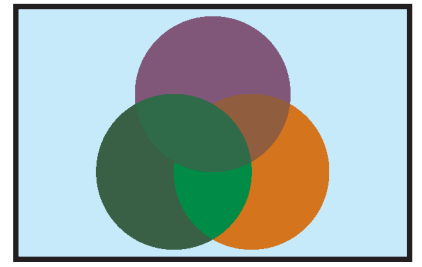
Reference Rendering (CMYK)  
Mark the Differences.



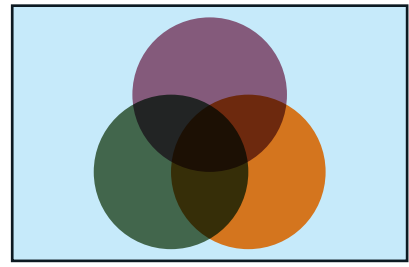
Reference Rendering (CMYK)  
Mark the Differences.



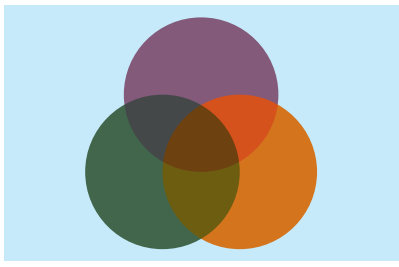
Reference Rendering (CMYK)  
Mark the Differences.



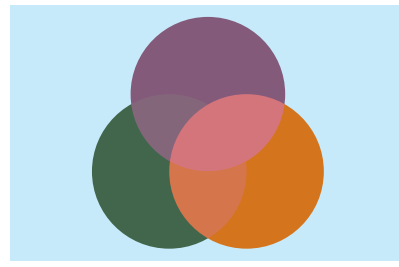
Reference Rendering (CMYK)  
Mark the Differences.



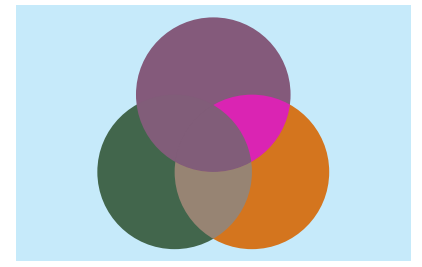
Blend Mode: Multiply



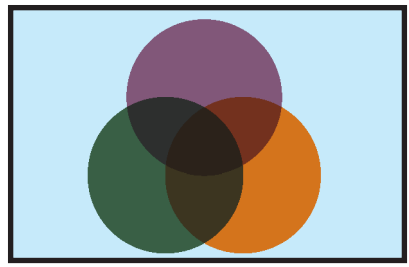
Blend Mode: Hard Light



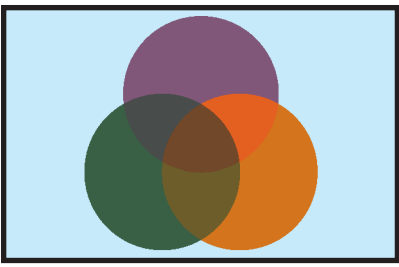
Blend Mode: Lighten



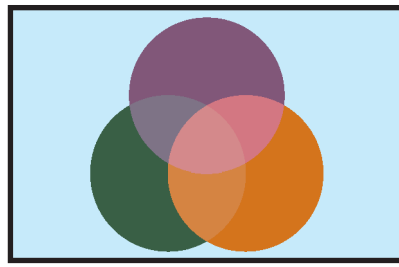
Blend Mode: Saturation



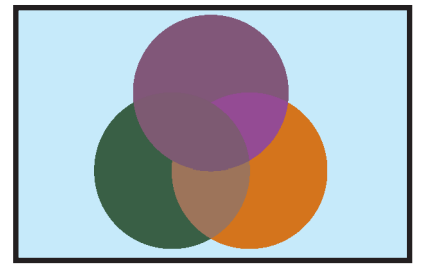
Reference Rendering (CMYK)  
Mark the Differences.



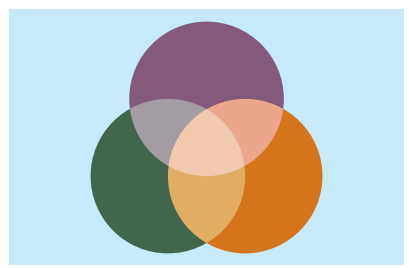
Reference Rendering (CMYK)  
Mark the Differences.



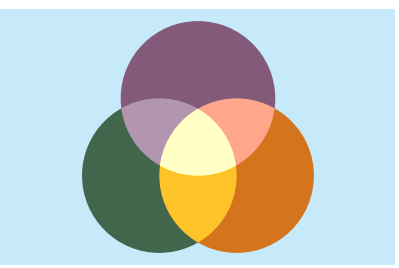
Reference Rendering (CMYK)  
Mark the Differences.



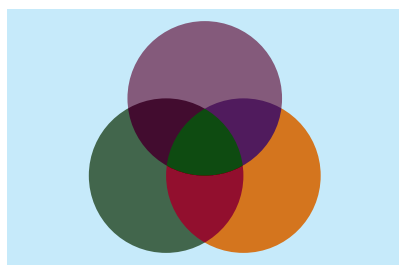
Reference Rendering (CMYK)  
Mark the Differences.



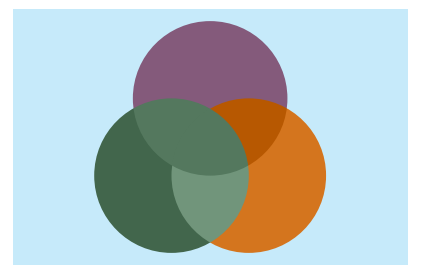
Blend Mode: Screen



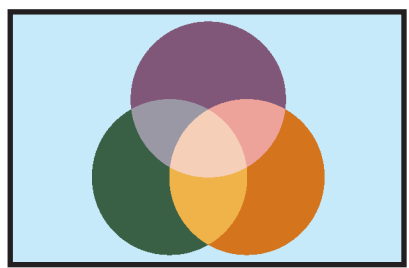
Blend Mode: Color Dodge



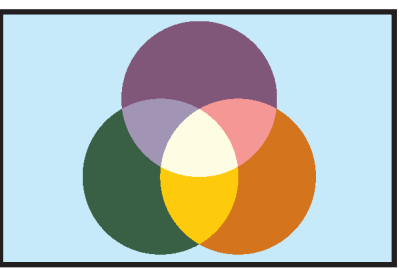
Blend Mode: Difference



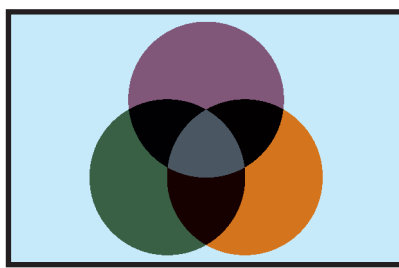
Blend Mode: Color



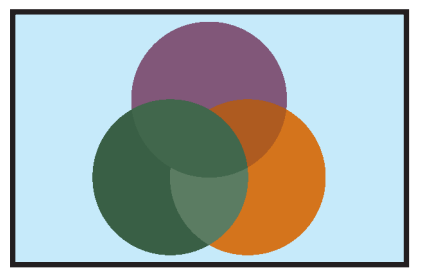
Reference Rendering (CMYK)  
Mark the Differences.



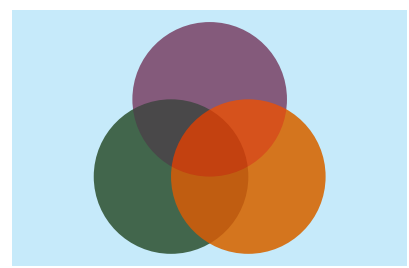
Reference Rendering (CMYK)  
Mark the Differences.



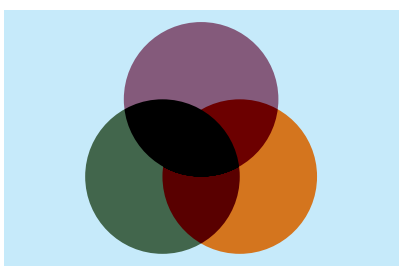
Reference Rendering (CMYK)  
Mark the Differences.



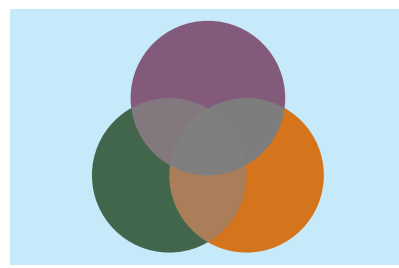
Reference Rendering (CMYK)  
Mark the Differences.



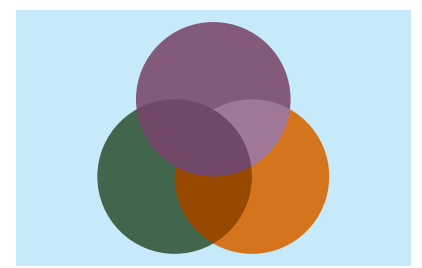
Blend Mode: Overlay



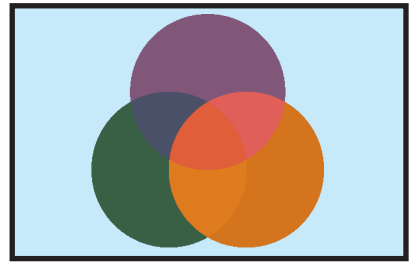
Blend Mode: Color Burn



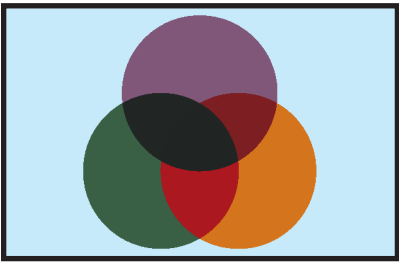
Blend Mode: Exclusion



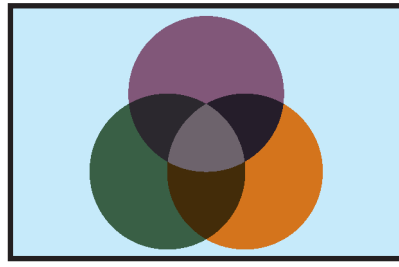
Blend Mode: Luminosity



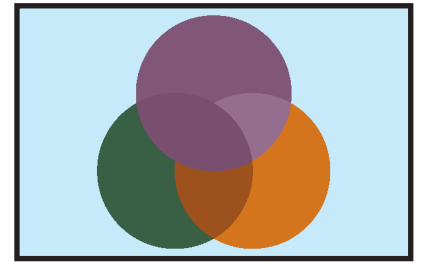
Reference Rendering (CMYK)  
Mark the Differences.



Reference Rendering (CMYK)  
Mark the Differences.



Reference Rendering (CMYK)  
Mark the Differences.



Reference Rendering (CMYK)  
Mark the Differences.



roman16 bvdm  
Reference Images

© bvdm  
<https://bvdm-online.de/roman16-en>