

Customer:
Date/Time printed:
Media:
Source/Output Profile:
Printer has been calibrated: ☐ Yes ☐ No
Date/Time of calibration:

Model:
Serial #:
Color / B&W Counter:
Temp. & Humidity:
Remarks:

- ☐ Installation
- ☐ 90 days benchmark
- ☐ Regular PM
- ☐ Before service
- ☐ After service
- ☐ Random
- ☐

Print Quality HELP

Technical

Resolution (600ppi)

Font Detail 16pt

Font Detail 12pt

Font Detail 10pt

RGB Red Text

75% 50% 25%

Red Outlines

Resolution (300ppi)

Font Detail 16pt

Font Detail 12pt

Font Detail 10pt

RGB Green Text

75% 50% 25%

Green Outline

Resolution (200ppi)

Font Detail 16pt

Font Detail 12pt

Font Detail 10pt

RGB Blue Text

75% 50% 25%

Blue Outline

Resolution (100ppi)

Font Detail 16pt

Font Detail 12pt

Font Detail 10pt

RGB Black Text

75% 50% 25%

Black Outlines

RGB Grey Text

■ RGB Black Image

■ RGB Grey Image

Live Text (C)	Outlined Text (C)	Live Text (Y)	Outlined Text (Y)
Font Detail 8pt 10%	Font Detail 8pt 10%	Font Detail 8pt 10%	Font Detail 8pt 10%
Font Detail 8pt 20%	Font Detail 8pt 20%	Font Detail 8pt 20%	Font Detail 8pt 20%
Font Detail 8pt 30%	Font Detail 8pt 30%	Font Detail 8pt 30%	Font Detail 8pt 30%
Font Detail 8pt 40%	Font Detail 8pt 40%	Font Detail 8pt 40%	Font Detail 8pt 40%
Font Detail 8pt 50%	Font Detail 8pt 50%	Font Detail 8pt 50%	Font Detail 8pt 50%
Font Detail 8pt 60%	Font Detail 8pt 60%	Font Detail 8pt 60%	Font Detail 8pt 60%
Font Detail 8pt 70%	Font Detail 8pt 70%	Font Detail 8pt 70%	Font Detail 8pt 70%
Font Detail 8pt 80%	Font Detail 8pt 80%	Font Detail 8pt 80%	Font Detail 8pt 80%
Font Detail 8pt 90%	Font Detail 8pt 90%	Font Detail 8pt 90%	Font Detail 8pt 90%
Font Detail 8pt 100%	Font Detail 8pt 100%	Font Detail 8pt 100%	Font Detail 8pt 100%
Live Text (M)	Outlined Text (M)	Live Text (K)	Outlined Text (K)
Font Detail 8pt 10%	Font Detail 8pt 10%	Font Detail 8pt 10%	Font Detail 8pt 10%
Font Detail 8pt 20%	Font Detail 8pt 20%	Font Detail 8pt 20%	Font Detail 8pt 20%
Font Detail 8pt 30%	Font Detail 8pt 30%	Font Detail 8pt 30%	Font Detail 8pt 30%
Font Detail 8pt 40%	Font Detail 8pt 40%	Font Detail 8pt 40%	Font Detail 8pt 40%
Font Detail 8pt 50%	Font Detail 8pt 50%	Font Detail 8pt 50%	Font Detail 8pt 50%
Font Detail 8pt 60%	Font Detail 8pt 60%	Font Detail 8pt 60%	Font Detail 8pt 60%
Font Detail 8pt 70%	Font Detail 8pt 70%	Font Detail 8pt 70%	Font Detail 8pt 70%
Font Detail 8pt 80%	Font Detail 8pt 80%	Font Detail 8pt 80%	Font Detail 8pt 80%
Font Detail 8pt 90%	Font Detail 8pt 90%	Font Detail 8pt 90%	Font Detail 8pt 90%
Font Detail 8pt 100%	Font Detail 8pt 100%	Font Detail 8pt 100%	Font Detail 8pt 100%

Font Detail @ 24pt

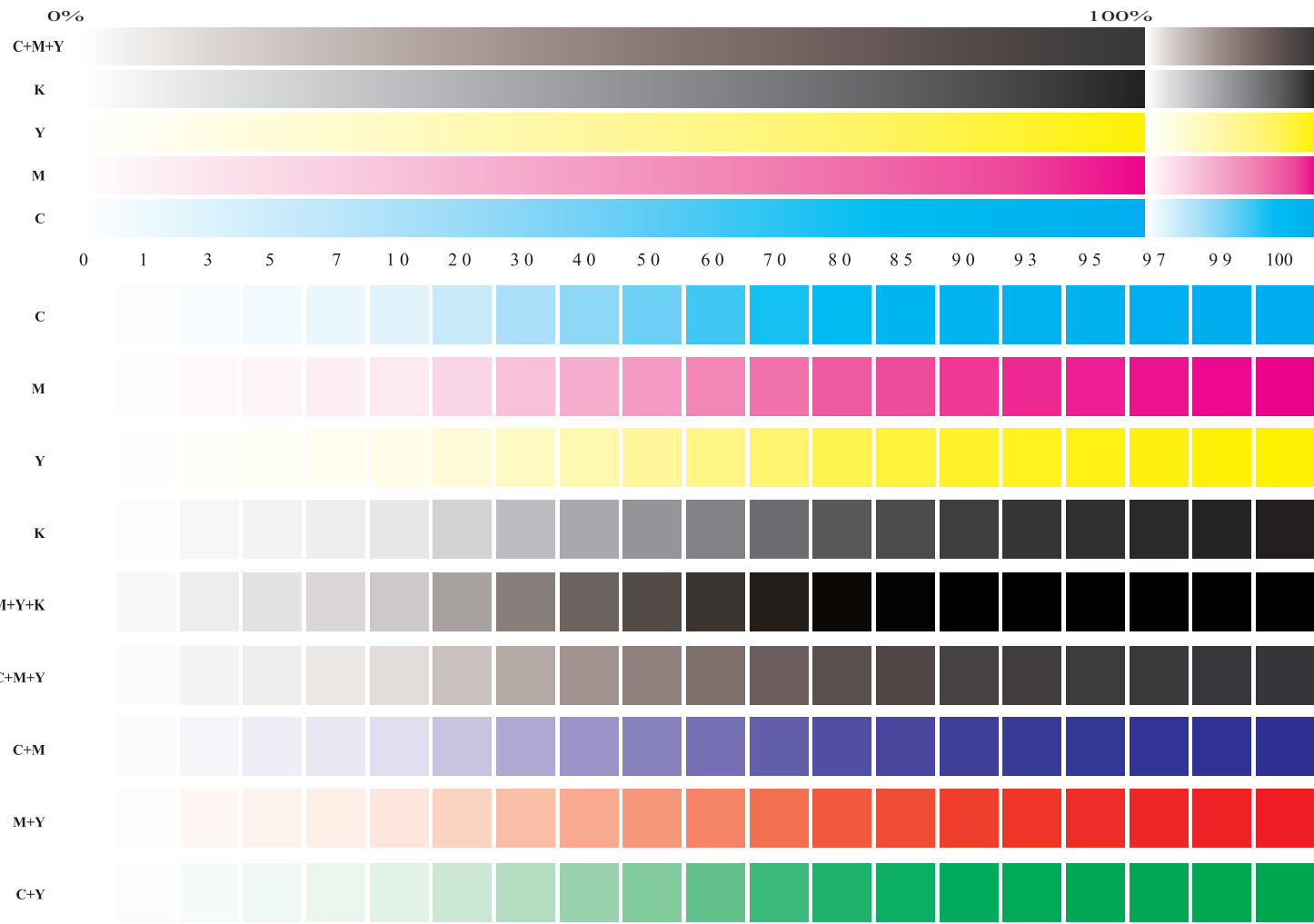
Font Detail @ 20pt

Font Detail @ 16pt

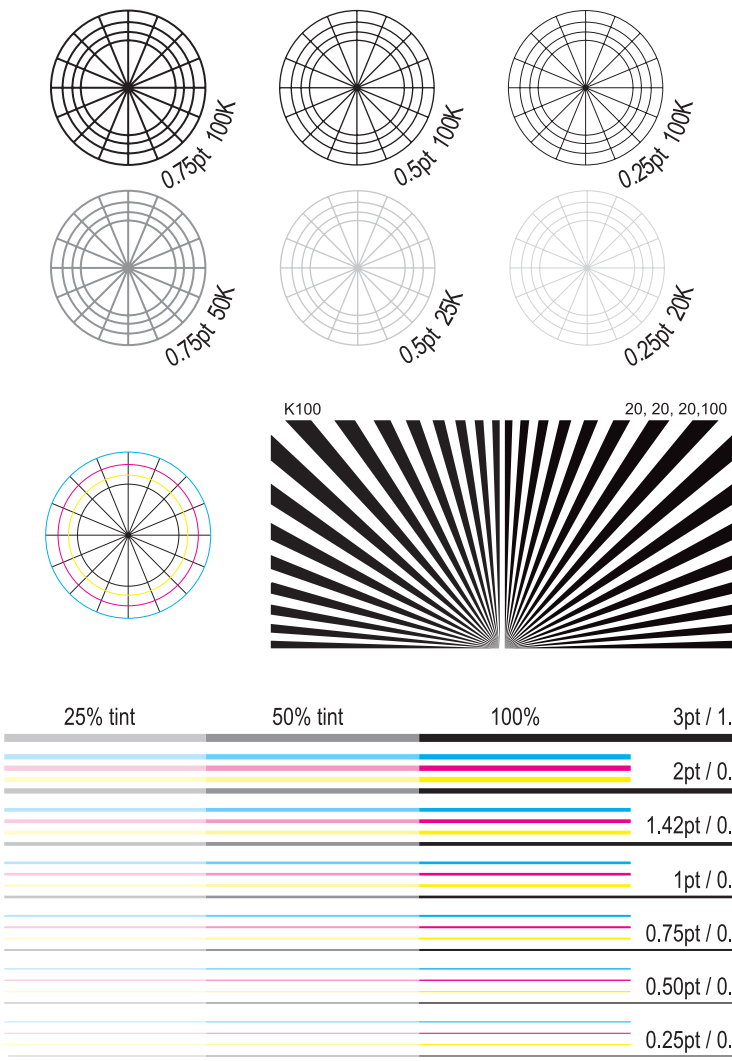
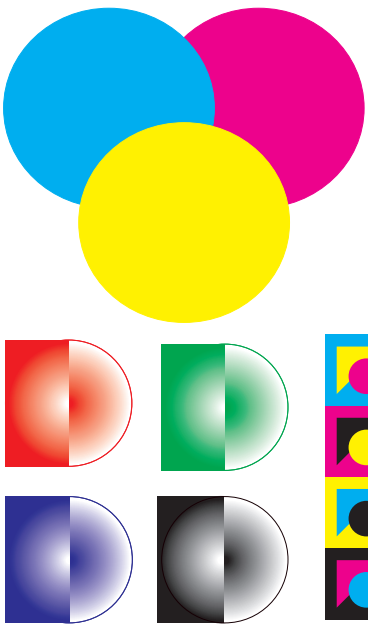
Font Detail @ 24pt

Font Detail @ 20pt

Font Detail @ 16pt



Process Cyan	Process Magenta	Process Yellow	Process Black	CMYK 100 (400%)
RGB Red	RGB Green	RGB Blue	RGB Black	PANTONE Orange 021 C
Process MY	Process CY	Process CM	C60, M50, Y50, K00	PANTONE Reflex Blue C



Blue

Blue

Blue

RRRRRR

Font Detail 10pt

Font Detail 9pt

Font Detail 8pt

Font Detail 7pt

Font Detail 6pt

Font Detail 5pt

Font Detail 4pt

Font Detail 3pt

Font Detail 10pt

Font Detail 9pt

Font Detail 8pt

Font Detail 7pt

Font Detail 6pt

Font Detail 5pt

Font Detail 4pt

Font Detail 3pt

Download



PQ Help

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Print Quality HELP

Technical

Quality of rasterized text: Text within a low resolution image will cause more pixelation as compared to an image with higher resolution. This is used to determine at which resolution does the text become pixelated



[Link]

RGB Red Text 75% 50% 25% Red Outlines

RGB Green Text 75% 50% 25% Green Outline
RGB Blue Text 75% 50% 25% Blue Outline
RGB Black Text 75% 50% 25% Black Outline

RGB Text and Graphics processing: Help to understand how the RIP process the RGB vector object.

RGB Black Image
RGB Grey Image

Live Text (C) Outlined Text (C) Live Text (Y) Outlined Text (Y)

Font Detail 2pt 30% Font Detail 3pt 30% Font Detail 4pt 30% Font Detail 5pt 30%
Font Detail 6pt 30% Font Detail 7pt 30% Font Detail 8pt 30% Font Detail 9pt 30%
Font Detail 10pt 30% Font Detail 11pt 30% Font Detail 12pt 30% Font Detail 13pt 30%
Font Detail 14pt 30% Font Detail 15pt 30% Font Detail 16pt 30% Font Detail 17pt 30%
Font Detail 18pt 30% Font Detail 19pt 30% Font Detail 20pt 30% Font Detail 21pt 30%
Font Detail 22pt 30% Font Detail 23pt 30% Font Detail 24pt 30% Font Detail 25pt 30%

Halftone text and quality of Text and Graphics: Text and Graphics quality may be improved with some features within the RIP. These text samples help to determine at which % the font is not acceptable



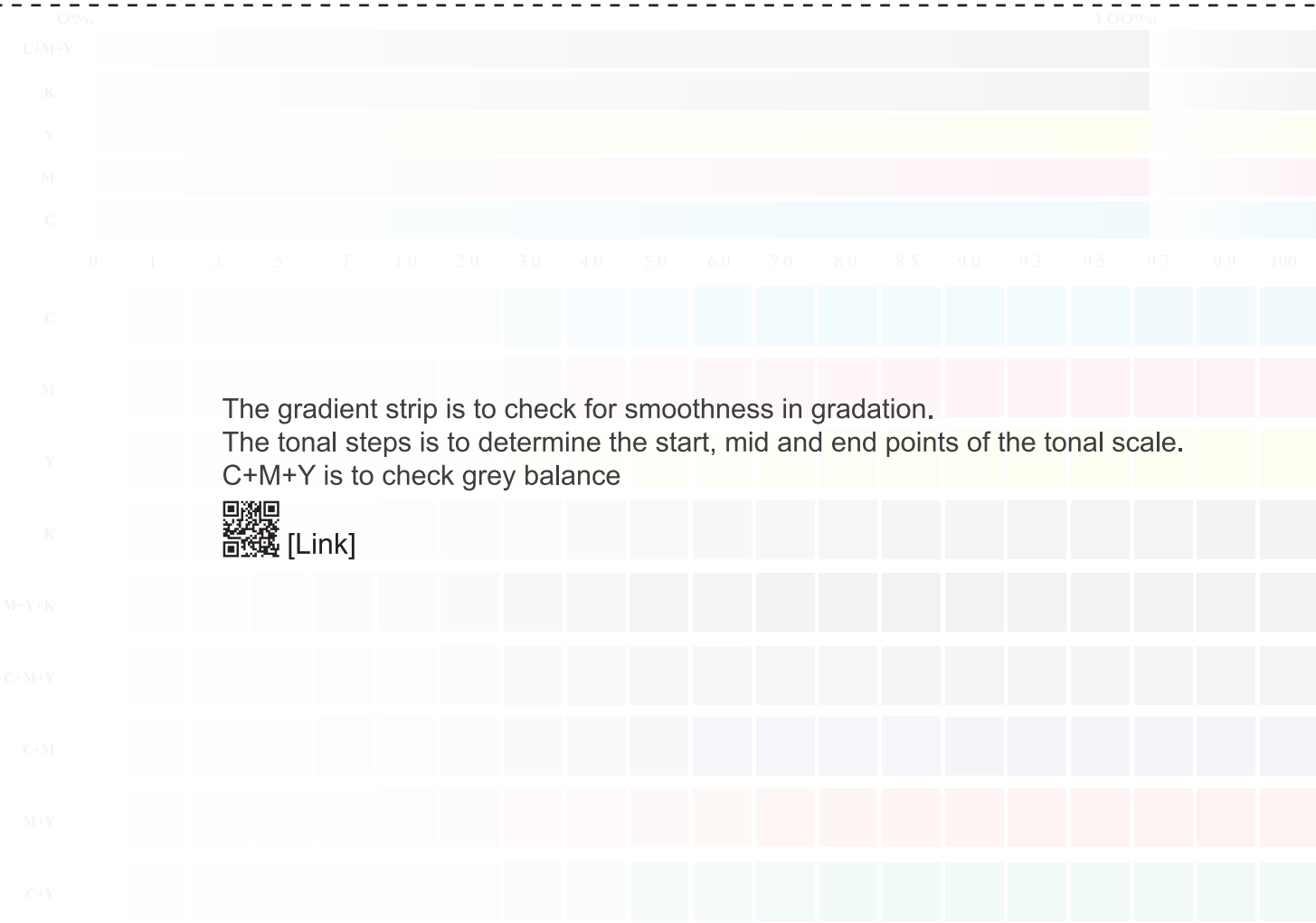
[Link]

Font Detail @ 24pt
Font Detail @ 20pt
Font Detail @ 16pt
Font Detail @ 12pt
Font Detail @ 10pt
Font Detail @ 8pt

Black text quality: Times New Roman with size range from 2pt to 24pt is used to determine at which point does the font becomes illegible and loses quality



[Link]



The gradient strip is to check for smoothness in gradation. The tonal steps is to determine the start, mid and end points of the tonal scale. C+M+Y is to check grey balance



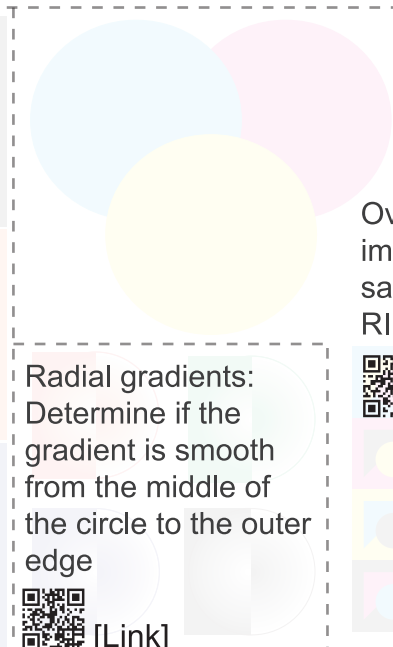
[Link]



Different color purity and color conversion, different types of black and toner fusing



[Link]

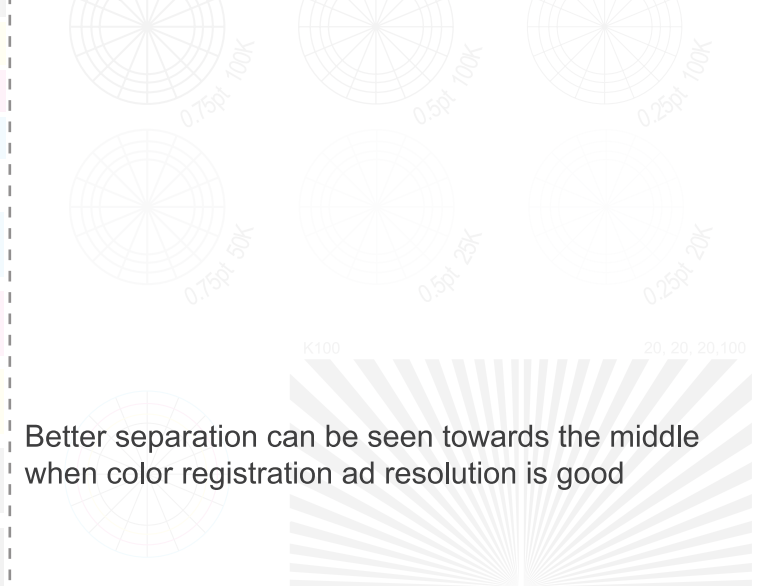


Radial gradients: Determine if the gradient is smooth from the middle of the circle to the outer edge



[Link]

Check lines of the wheels are sharp and clear with no missing areas and lines



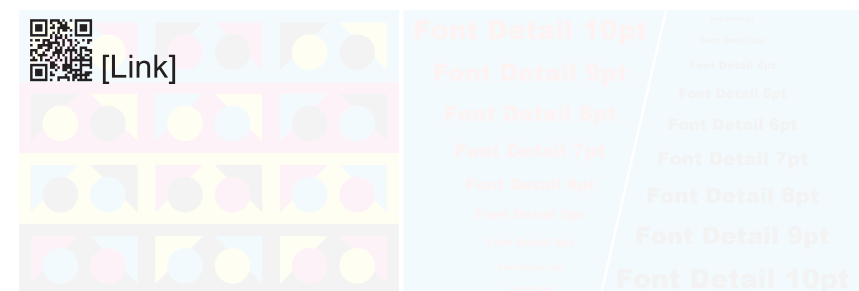
Better separation can be seen towards the middle when color registration and resolution is good

To understand the machine's performance under different line weights



[Link]

Overprint and trapping: There are features in the RIP to improve print quality of color mis-registration. These samples are used to see how these features work in the RIP



Font Detail 10pt
Font Detail 9pt
Font Detail 8pt
Font Detail 7pt
Font Detail 6pt
Font Detail 5pt
Font Detail 4pt
Font Detail 3pt
Font Detail 2pt

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☐

Print Quality HELP

Color Management
PSO COATED v3 (Fogra51)



Print Quality HELP

Color Management

PSO COATED v3 (Fogra51)

ISO 400

Customer: _____

Date/Time printed: _____

Media: _____

Source/Output Profile: _____

Printer has been calibrated: ☐ Yes ☐ No

Date/Time of calibration: _____

Model: _____

Serial #: _____

Color / B&W Counter: _____

Temp. & Humidity: _____

Remarks: _____

☐ Installation

☐ 90 days benchmark

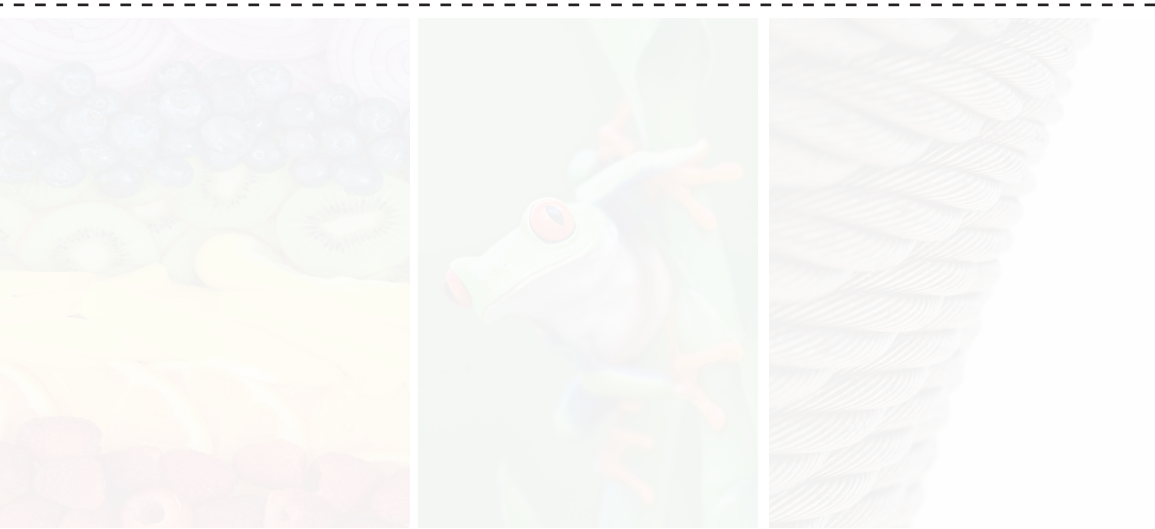
☐ Regular PM

☐ Before service

☐ After service

☐ Random

☐ _____



Color saturation, gold and detail

[\[Link\]](#)



Shadow, highlight, grayscale and details

[\[Link\]](#)



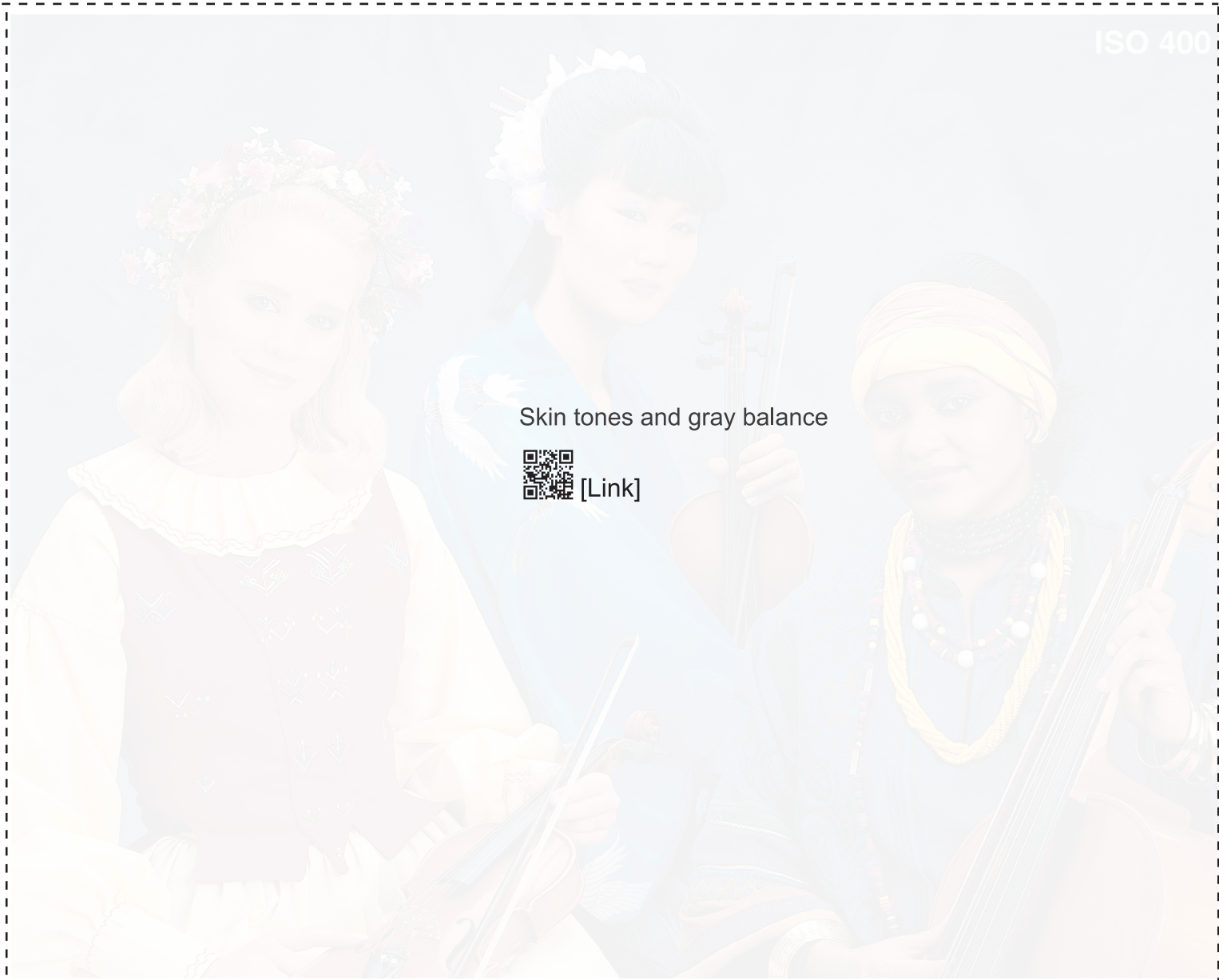
Image Resolution

[\[Link\]](#)



Color Management of RGB to CMYK conversion

[\[Link\]](#)



Skin tones and gray balance

[\[Link\]](#)

