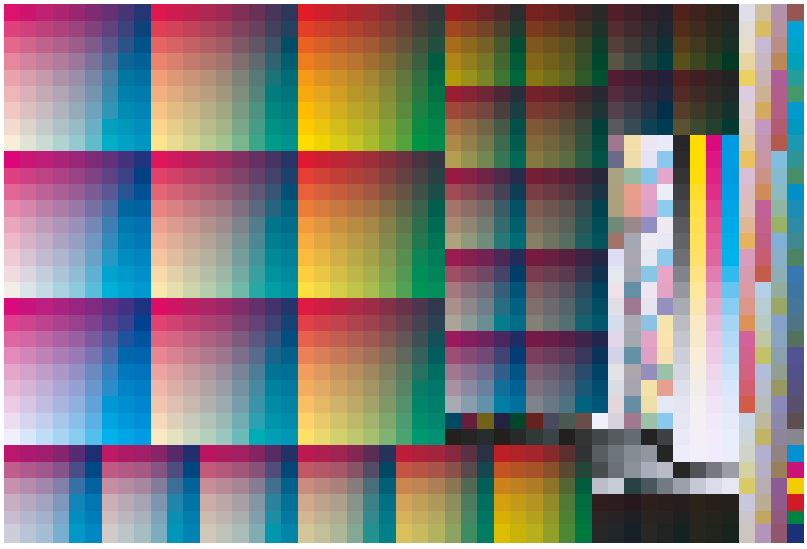
# FOGRA51_Spectral.txt

## 1. Chart Information

| | |
|---|---|
| **Number of patches** | 1617 |
| **Device data** | CMYK |
| **Measurement data** | Remission |
| **ISO28178** | - |
| **FILE_DESCRIPTOR** | FOGRA51 |
| **ORIGINATOR** | Fogra, www.fogra.org, developed by GMG GmbH & Co. KG, Heidelberger Druckmaschinen AG |
| **CREATED** | May 2015 |
| **TARGET_TYPE** | ISO12642-2 |
| **INSTRUMENTATION** | D50, 2 degree, geometry 45/0, no polarisation filter, white backing, according to ISO 13655:2009 M1 |
| **PRINT_CONDITIONS** | Offset printing, according to ISO 12647-2:2013, OFCOM, print substrate 1 = premium coated, fluorescence moderate (8-14 DeltaB according to ISO 15397), 115 g/m2, tone value increase curves A (CMYK) |
| **KEYWORD** | Multiple values |
| **TRACEABILITY** | NIST |
| **NUMBER_OF_FIELDS** | 41 |
| **NUMBER_OF_SETS** | 1617 |
| **SAMPLE_ID** | Multiple values |

## 2. General

**Patches**



**Brightener**
Brightener detected based on spectral analysis. Brightener correction would change paper white by DeltaE-76 6.88

**Printing standard**
**Selected profile:** ISO Coated v2 (ECI) (79% match)
**Best profile:** PSOcoated_v3_TAC300_K96.icc (100% match)

## 3. Color Comparison

| CMYK | PatchID | L | a | b | C | h | dE[1] | dH/dL[1] |
|---|---|---|---|---|---|---|---|---|
| Substrate/Paper white | | | | | | | | |
| 0 / 0 / 0 / 0 | 27 | 95.00 | 1.49 | -5.99 | 6.17 | 284.01 | 4.18 | 0.85 dH |
| Maximum | | | | | | | | |
| 100 / 100 / 0 / 100 | 1285 | 11.43 | 5.76 | 0.00 | 5.76 | 0.03 | 6.97 | 5.39 dH |
| Full Primary | | | | | | | | |
| 100 / 0 / 0 / 0 | 291 | 56.12 | -34.89 | -52.54 | 63.07 | 236.41 | 3.50 | 3.19 dH |
| 0 / 100 / 0 / 0 | 19 | 48.06 | 75.29 | -5.16 | 75.47 | 356.08 | 2.56 | 2.15 dH |
| 0 / 0 / 100 / 0 | 603 | 88.94 | -4.04 | 92.38 | 92.47 | 92.50 | 1.14 | 0.92 dH |
| 0 / 0 / 0 / 100 | 1221 | 16.00 | 0.07 | -0.33 | 0.34 | 281.35 | 0.36 | -0.01 dL |
| Full (CMY) Secondary | | | | | | | | |
| 100 / 100 / 0 / 0 | 283 | 24.74 | 21.13 | -47.46 | 51.95 | 294.00 | 1.92 | 1.49 dH |
| 100 / 0 / 100 / 0 | 867 | 49.45 | -65.92 | 24.35 | 70.28 | 159.73 | 2.92 | 2.86 dH |
| 0 / 100 / 100 / 0 | 595 | 48.00 | 69.34 | 45.89 | 83.15 | 33.50 | 2.71 | 2.51 dH |
| Maximum Primary | | | | | | | | |
| 0 / 2 / 0 / 0 | 1447 | 94.02 | 3.02 | -6.57 | 7.23 | 294.68 | 4.51 | 0.09 dH |
| Maximum (CMY) Secondary | | | | | | | | |
| 7 / 7 / 0 / 0 | 1237 | 89.04 | 3.48 | -10.57 | 11.13 | 288.20 | 4.46 | 0.31 dH |

(1) ISO Coated v2 (ECI)
The dE values shown are according to your choice: DeltaE-76

| CMYK | PatchID | L | a | b | C | h | dE[1] | dH/dL[1] |
|---|---|---|---|---|---|---|---|---|
| Highlight | | | | | | | | |
| 2 / 0 / 0 / 0 | 1480 | 94.35 | 0.55 | -7.23 | 7.25 | 274.32 | 4.32 | 1.25 dH |
| 0 / 2 / 0 / 0 | 1447 | 94.02 | 3.02 | -6.57 | 7.23 | 294.68 | 4.51 | 0.09 dH |
| 0 / 0 / 2 / 0 | 1414 | 94.95 | 1.09 | -4.05 | 4.20 | 284.99 | 3.69 | 0.90 dH |
| 0 / 0 / 0 / 2 | 1381 | 93.76 | 1.44 | -6.03 | 6.20 | 283.43 | 4.22 | 0.83 dH |
| Midtone | | | | | | | | |
| 50 / 0 / 0 / 0 | 1470 | 75.02 | -16.20 | -29.84 | 33.95 | 241.51 | 3.18 | 1.82 dH |
| 0 / 50 / 0 / 0 | 1437 | 70.47 | 36.08 | -9.53 | 37.31 | 345.20 | 3.38 | 1.63 dH |
| 0 / 0 / 50 / 0 | 1404 | 91.62 | -3.44 | 39.95 | 40.10 | 94.92 | 1.24 | 0.52 dH |
| 0 / 0 / 0 / 50 | 1371 | 62.72 | 0.31 | -4.43 | 4.44 | 273.96 | 3.05 | 0.43 dH |

(1) ISO Coated v2 (ECI)
The dE values shown are according to your choice: DeltaE-76

| CMYK | PatchID | L | a | b | C | h | dE[1] | dH/dL[1] |
|---|---|---|---|---|---|---|---|---|
| Near Neutral (CMY) | | | | | | | | |
| 50 / 40 / 40 / 0 | 1611 | 56.52 | 0.53 | -2.91 | 2.96 | 280.30 | 2.33 | 0.01 dH |
| CMY Black | | | | | | | | |
| 100 / 100 / 100 / 0 | 859 | 23.26 | -1.43 | -1.68 | 2.21 | 229.67 | 2.30 | 0.99 dH |
| CMYK Black | | | | | | | | |
| 100 / 100 / 100 / 100 | 1483 | 12.71 | 0.53 | 4.89 | 4.92 | 83.79 | 4.91 | 0.57 dH |
| Maximum Duplex | | | | | | | | |
| 0 / 100 / 0 / 100 | 1219 | 13.30 | 8.90 | 4.27 | 9.87 | 25.65 | 6.55 | 4.14 dH |
| Maximum Triplex | | | | | | | | |
| 100 / 100 / 0 / 100 | 1285 | 11.43 | 5.76 | 0.00 | 5.76 | 0.03 | 6.97 | 5.39 dH |

(1) ISO Coated v2 (ECI)
The dE values shown are according to your choice: DeltaE-76

## 4. Gradations

| | L | a | b | C | h | Density |
|---|---|---|---|---|---|---|
| Cyan 2.00% | 94.35 | 0.55 | -7.23 | 7.25 | 274.32 | 0.01 |
| Cyan 3.00% | 93.93 | 0.24 | -7.55 | 7.55 | 271.84 | 0.02 |
| Cyan 5.00% | 93.14 | -0.52 | -8.49 | 8.51 | 266.52 | 0.04 |
| Cyan 7.00% | 92.40 | -1.23 | -9.47 | 9.55 | 262.58 | 0.05 |
| Cyan 10.00% | 91.19 | -2.29 | -10.91 | 11.15 | 258.17 | 0.07 |
| Cyan 15.00% | 89.19 | -3.96 | -13.24 | 13.82 | 253.34 | 0.11 |
| Cyan 20.00% | 87.20 | -5.65 | -15.57 | 16.56 | 250.06 | 0.15 |
| Cyan 25.00% | 85.18 | -7.33 | -17.89 | 19.33 | 247.71 | 0.19 |
| Cyan 30.00% | 83.19 | -9.04 | -20.25 | 22.18 | 245.94 | 0.24 |
| Cyan 40.00% | 79.15 | -12.57 | -24.93 | 27.93 | 243.24 | 0.33 |
| Cyan 50.00% | 75.02 | -16.20 | -29.84 | 33.95 | 241.51 | 0.44 |
| Cyan 55.00% | 72.95 | -18.09 | -32.32 | 37.04 | 240.77 | 0.50 |
| Cyan 60.00% | 70.86 | -20.12 | -34.85 | 40.25 | 240.00 | 0.56 |
| Cyan 70.00% | 66.57 | -24.03 | -39.85 | 46.54 | 238.92 | 0.71 |
| Cyan 75.00% | 64.50 | -26.07 | -42.36 | 49.74 | 238.39 | 0.80 |
| Cyan 80.00% | 62.52 | -28.09 | -44.75 | 52.84 | 237.88 | 0.89 |
| Cyan 85.00% | 60.62 | -30.19 | -47.08 | 55.93 | 237.33 | 1.00 |
| Cyan 90.00% | 58.99 | -32.22 | -49.18 | 58.79 | 236.78 | 1.12 |
| Cyan 95.00% | 57.50 | -33.85 | -50.99 | 61.20 | 236.42 | 1.24 |
| Cyan 98.00% | 56.57 | -34.53 | -52.00 | 62.42 | 236.41 | 1.32 |
| Cyan 100.00% | 56.12 | -34.89 | -52.54 | 63.07 | 236.41 | 1.36 |
| Magenta 2.00% | 94.02 | 3.02 | -6.57 | 7.23 | 294.68 | 0.01 |
| Magenta 3.00% | 93.54 | 3.67 | -6.72 | 7.65 | 298.62 | 0.02 |
| Magenta 5.00% | 92.53 | 4.99 | -6.99 | 8.59 | 305.54 | 0.04 |
| Magenta 7.00% | 91.57 | 6.23 | -7.18 | 9.51 | 310.95 | 0.05 |
| Magenta 10.00% | 90.08 | 8.15 | -7.41 | 11.01 | 317.73 | 0.07 |
| Magenta 15.00% | 87.63 | 11.40 | -7.88 | 13.86 | 325.33 | 0.11 |
| Magenta 20.00% | 85.20 | 14.67 | -8.27 | 16.84 | 330.57 | 0.15 |
| Magenta 25.00% | 82.76 | 18.02 | -8.61 | 19.97 | 334.45 | 0.19 |
| Magenta 30.00% | 80.34 | 21.38 | -8.86 | 23.15 | 337.50 | 0.24 |
| Magenta 40.00% | 75.43 | 28.45 | -9.22 | 29.91 | 342.04 | 0.33 |
| Magenta 50.00% | 70.47 | 36.08 | -9.53 | 37.31 | 345.20 | 0.44 |
| Magenta 55.00% | 67.98 | 40.02 | -9.54 | 41.14 | 346.59 | 0.50 |
| Magenta 60.00% | 65.44 | 44.20 | -9.56 | 45.22 | 347.79 | 0.57 |
| Magenta 70.00% | 60.42 | 52.70 | -9.15 | 53.49 | 350.14 | 0.72 |
| Magenta 75.00% | 57.94 | 56.96 | -8.66 | 57.61 | 351.36 | 0.81 |
| Magenta 80.00% | 55.59 | 61.25 | -8.18 | 61.79 | 352.40 | 0.91 |
| Magenta 85.00% | 53.33 | 65.55 | -7.69 | 66.00 | 353.31 | 1.02 |
| Magenta 90.00% | 51.31 | 69.52 | -7.27 | 69.90 | 354.03 | 1.15 |
| Magenta 95.00% | 49.57 | 72.85 | -6.61 | 73.15 | 354.82 | 1.29 |
| Magenta 98.00% | 48.59 | 74.49 | -5.79 | 74.71 | 355.56 | 1.37 |
| Magenta 100.00% | 48.06 | 75.29 | -5.16 | 75.47 | 356.08 | 1.43 |
| Yellow 2.00% | 94.95 | 1.09 | -4.05 | 4.20 | 284.99 | 0.01 |
| Yellow 3.00% | 94.88 | 0.92 | -3.21 | 3.34 | 286.08 | 0.02 |
| Yellow 5.00% | 94.73 | 0.65 | -1.43 | 1.57 | 294.40 | 0.04 |
| Yellow 7.00% | 94.60 | 0.33 | 0.34 | 0.48 | 45.60 | 0.05 |
| Yellow 10.00% | 94.39 | -0.06 | 3.03 | 3.03 | 91.11 | 0.07 |
| Yellow 15.00% | 93.99 | -0.64 | 7.39 | 7.41 | 94.92 | 0.11 |
| Yellow 20.00% | 93.66 | -1.17 | 11.89 | 11.95 | 95.63 | 0.15 |

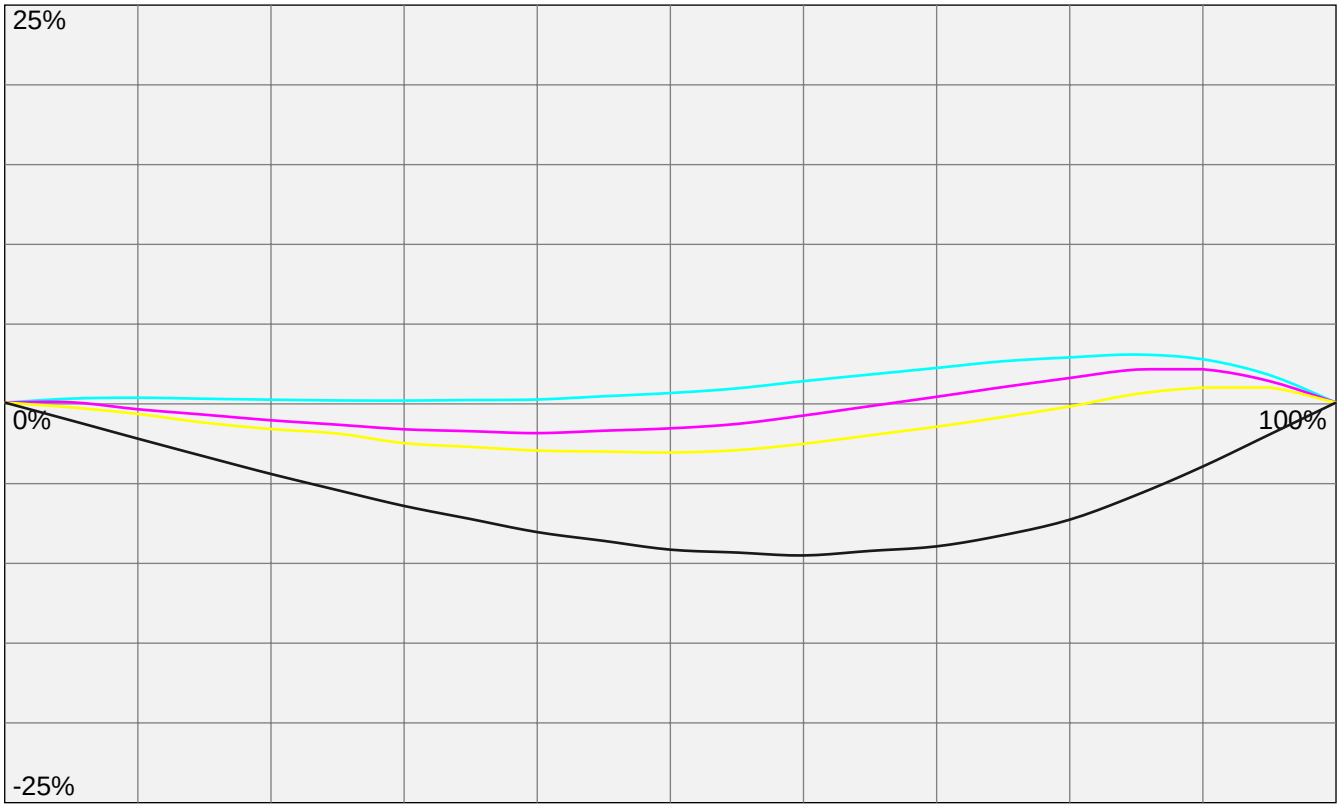
Density calculated according to method: Status-E
Densities are expressed in paper relative values.

| | L | a | b | C | h | Density |
|---|---|---|---|---|---|---|
| Yellow 25.00% | 93.40 | -1.69 | 16.52 | 16.61 | 95.83 | 0.19 |
| Yellow 30.00% | 92.93 | -2.12 | 20.83 | 20.94 | 95.80 | 0.23 |
| Yellow 40.00% | 92.30 | -2.85 | 30.22 | 30.36 | 95.39 | 0.32 |
| Yellow 50.00% | 91.62 | -3.44 | 39.95 | 40.10 | 94.92 | 0.42 |
| Yellow 55.00% | 91.32 | -3.67 | 45.04 | 45.18 | 94.66 | 0.48 |
| Yellow 60.00% | 91.03 | -3.89 | 50.36 | 50.51 | 94.42 | 0.55 |
| Yellow 70.00% | 90.44 | -4.21 | 61.29 | 61.43 | 93.93 | 0.69 |
| Yellow 75.00% | 90.11 | -4.17 | 66.83 | 66.96 | 93.57 | 0.77 |
| Yellow 80.00% | 89.85 | -4.19 | 72.41 | 72.53 | 93.32 | 0.86 |
| Yellow 85.00% | 89.59 | -4.30 | 78.12 | 78.24 | 93.15 | 0.96 |
| Yellow 90.00% | 89.33 | -4.25 | 83.44 | 83.55 | 92.92 | 1.06 |
| Yellow 95.00% | 89.18 | -4.14 | 88.38 | 88.48 | 92.69 | 1.16 |
| Yellow 98.00% | 89.05 | -4.12 | 91.03 | 91.12 | 92.59 | 1.23 |
| Yellow 100.00% | 88.94 | -4.04 | 92.38 | 92.47 | 92.50 | 1.26 |
| Black 2.00% | 93.76 | 1.44 | -6.03 | 6.20 | 283.43 | 0.02 |
| Black 3.00% | 93.17 | 1.43 | -6.01 | 6.18 | 283.41 | 0.02 |
| Black 5.00% | 91.93 | 1.35 | -5.94 | 6.09 | 282.79 | 0.04 |
| Black 7.00% | 90.74 | 1.28 | -5.90 | 6.04 | 282.26 | 0.05 |
| Black 10.00% | 88.87 | 1.19 | -5.83 | 5.95 | 281.53 | 0.08 |
| Black 15.00% | 85.80 | 1.06 | -5.71 | 5.81 | 280.53 | 0.12 |
| Black 20.00% | 82.71 | 0.93 | -5.61 | 5.69 | 279.44 | 0.16 |
| Black 25.00% | 79.55 | 0.80 | -5.45 | 5.51 | 278.36 | 0.20 |
| Black 30.00% | 76.38 | 0.69 | -5.29 | 5.33 | 277.44 | 0.24 |
| Black 40.00% | 69.76 | 0.48 | -4.89 | 4.91 | 275.64 | 0.34 |
| Black 50.00% | 62.72 | 0.31 | -4.43 | 4.44 | 273.96 | 0.46 |
| Black 60.00% | 55.11 | 0.15 | -3.89 | 3.89 | 272.26 | 0.59 |
| Black 70.00% | 46.75 | 0.02 | -3.25 | 3.25 | 270.32 | 0.75 |
| Black 75.00% | 42.24 | -0.02 | -2.95 | 2.95 | 269.65 | 0.85 |
| Black 80.00% | 37.53 | -0.06 | -2.55 | 2.55 | 268.60 | 0.96 |
| Black 85.00% | 32.37 | -0.08 | -2.07 | 2.07 | 267.92 | 1.09 |
| Black 90.00% | 27.02 | -0.06 | -1.52 | 1.52 | 267.84 | 1.25 |
| Black 95.00% | 21.52 | -0.02 | -0.81 | 0.81 | 268.37 | 1.44 |
| Black 98.00% | 18.05 | 0.02 | -0.43 | 0.43 | 272.24 | 1.57 |
| Black 100.00% | 16.00 | 0.07 | -0.33 | 0.34 | 281.35 | 1.65 |

Density calculated according to method: Status-E
Densities are expressed in paper relative values.

## 5. Linearity

Colorimetric Linearity: The diagram shows the colorimetric linearity of the primaries. Flat curves indicate good linearity, that is the deltaE to white and solid color is proportional.




### Cyan

| Tone Value | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | 7.00 | 10.00 | 15.00 | 20.00 | 25.00 | 30.00 | 35.00 | 40.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Linearity | 0.20 | 0.39 | 0.21 | 0.23 | 0.24 | 0.26 | 0.30 | 0.24 | 0.18 | 0.13 | 0.12 | 0.16 | 0.19 |

| Tone Value | 45.00 | 50.00 | 55.00 | 60.00 | 65.00 | 70.00 | 75.00 | 80.00 | 85.00 | 90.00 | 95.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Linearity | 0.39 | 0.60 | 0.88 | 1.34 | 1.75 | 2.16 | 2.58 | 2.82 | 3.00 | 2.70 | 1.72 |

### Magenta

| Tone Value | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | 7.00 | 10.00 | 15.00 | 20.00 | 25.00 | 30.00 | 35.00 | 40.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Linearity | 0.09 | 0.18 | 0.10 | 0.06 | 0.02 | -0.19 | -0.42 | -0.76 | -1.11 | -1.38 | -1.67 | -1.79 | -1.91 |

| Tone Value | 45.00 | 50.00 | 55.00 | 60.00 | 65.00 | 70.00 | 75.00 | 80.00 | 85.00 | 90.00 | 95.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Linearity | -1.76 | -1.61 | -1.34 | -0.81 | -0.22 | 0.36 | 0.97 | 1.54 | 2.06 | 2.08 | 1.34 |

### Yellow

| Tone Value | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | 7.00 | 10.00 | 15.00 | 20.00 | 25.00 | 30.00 | 35.00 | 40.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Linearity | 0.00 | 0.00 | -0.12 | -0.21 | -0.30 | -0.47 | -0.71 | -1.26 | -1.66 | -1.94 | -2.54 | -2.77 | -3.00 |

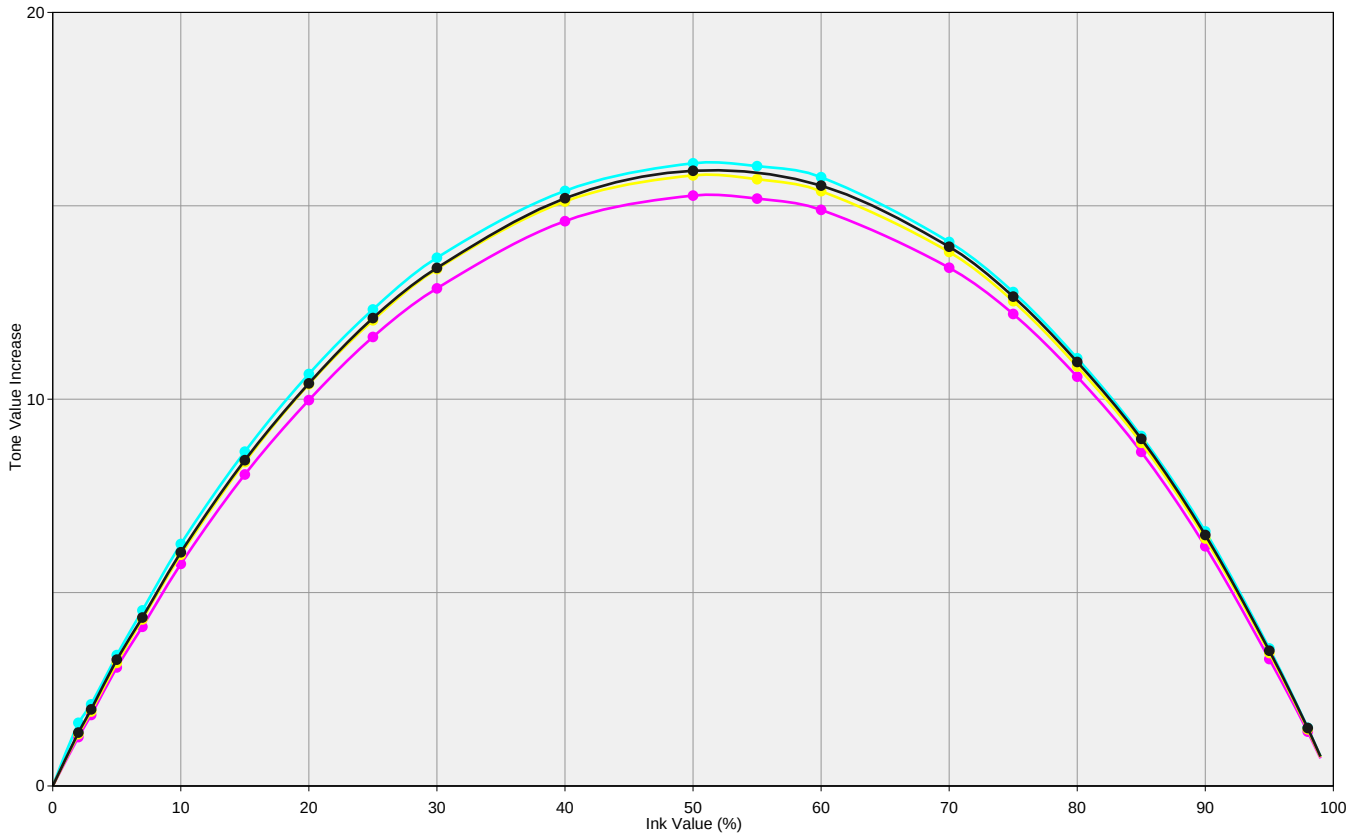
| Tone Value | 45.00 | 50.00 | 55.00 | 60.00 | 65.00 | 70.00 | 75.00 | 80.00 | 85.00 | 90.00 | 95.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Linearity | -3.06 | -3.12 | -2.97 | -2.58 | -2.04 | -1.51 | -0.90 | -0.25 | 0.54 | 0.93 | 0.94 |

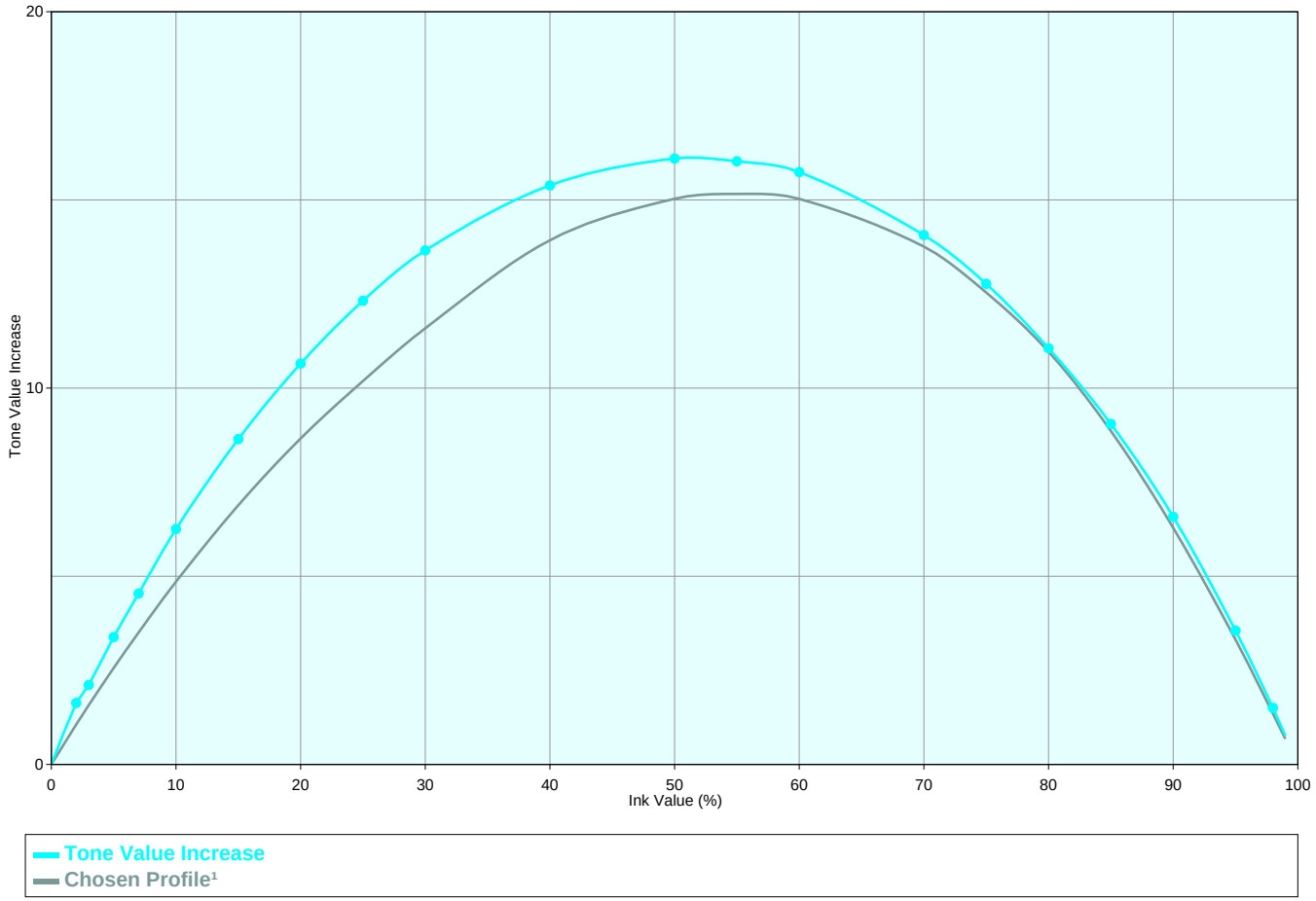
### Black

| Tone Value | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | 7.00 | 10.00 | 15.00 | 20.00 | 25.00 | 30.00 | 35.00 | 40.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Linearity | -0.22 | -0.44 | -0.69 | -0.91 | -1.12 | -1.61 | -2.26 | -3.37 | -4.46 | -5.47 | -6.46 | -7.28 | -8.10 |

| Tone Value | 45.00 | 50.00 | 55.00 | 60.00 | 65.00 | 70.00 | 75.00 | 80.00 | 85.00 | 90.00 | 95.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Linearity | -8.64 | -9.19 | -9.37 | -9.55 | -9.27 | -8.98 | -8.28 | -7.32 | -5.78 | -3.99 | -2.00 |

## 6. Tone Value Increase Curves



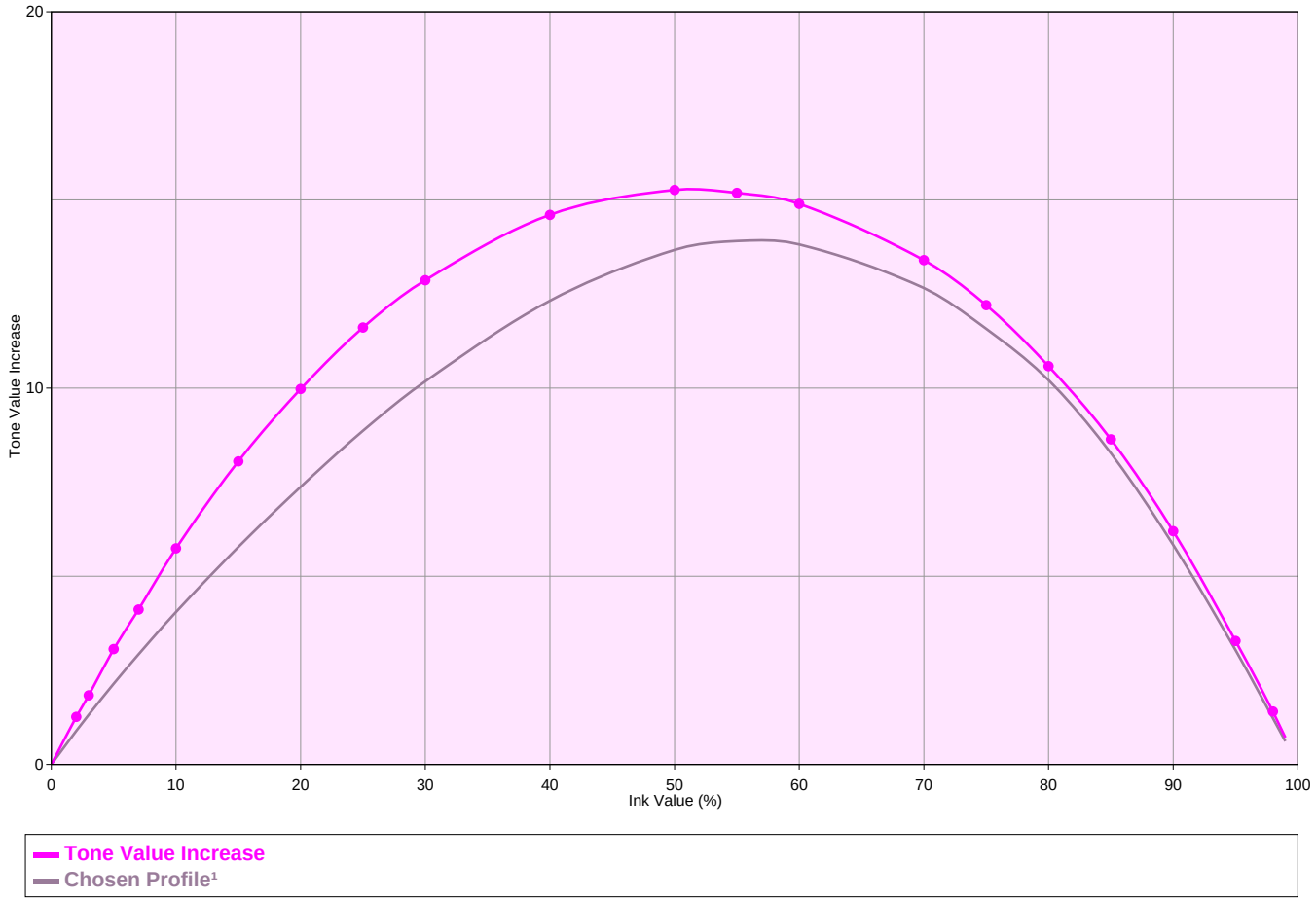



## Cyan

| Tone Value | 2.00% | 3.00% | 5.00% | 7.00% | 10.00% | 15.00% | 20.00% | 25.00% | 30.00% | 40.00% | 50.00% | 55.00% | 60.00% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tone Value Increase | 1.63 | 2.11 | 3.38 | 4.54 | 6.26 | 8.64 | 10.65 | 12.32 | 13.66 | 15.38 | 16.10 | 16.03 | 15.74 |
| Chosen Profile¹ | 1.06 | 1.57 | 2.56 | 3.50 | 4.85 | 6.89 | 8.66 | 10.19 | 11.59 | 13.93 | 15.03 | 15.16 | 15.03 |

| Tone Value | 70.00% | 75.00% | 80.00% | 85.00% | 90.00% | 95.00% | 98.00% |
|---|---|---|---|---|---|---|---|
| Tone Value Increase | 14.07 | 12.77 | 11.06 | 9.05 | 6.58 | 3.56 | 1.50 |
| Chosen Profile¹ | 13.76 | 12.54 | 10.97 | 8.86 | 6.29 | 3.32 | 1.35 |

(1) ISO Coated v2 (ECI)

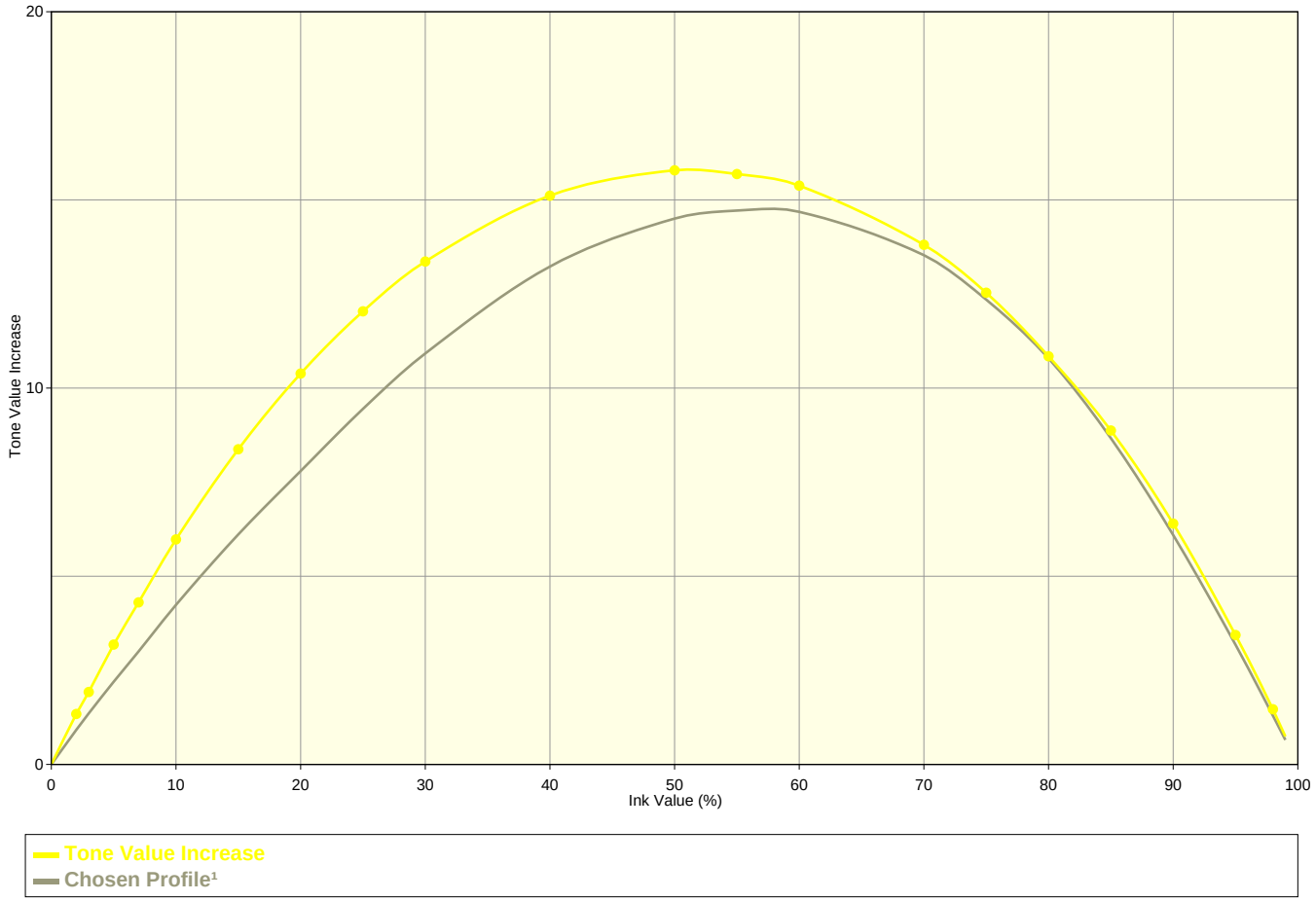



## Magenta

| Tone Value | 2.00% | 3.00% | 5.00% | 7.00% | 10.00% | 15.00% | 20.00% | 25.00% | 30.00% | 40.00% | 50.00% | 55.00% | 60.00% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tone Value Increase | 1.26 | 1.84 | 3.07 | 4.12 | 5.74 | 8.05 | 9.98 | 11.61 | 12.87 | 14.60 | 15.26 | 15.19 | 14.90 |
| Chosen Profile¹ | 0.89 | 1.32 | 2.14 | 2.93 | 4.05 | 5.78 | 7.38 | 8.87 | 10.18 | 12.32 | 13.67 | 13.91 | 13.82 |

| Tone Value | 70.00% | 75.00% | 80.00% | 85.00% | 90.00% | 95.00% | 98.00% |
|---|---|---|---|---|---|---|---|
| Tone Value Increase | 13.40 | 12.20 | 10.58 | 8.64 | 6.20 | 3.28 | 1.41 |
| Chosen Profile¹ | 12.66 | 11.58 | 10.21 | 8.27 | 5.83 | 3.04 | 1.23 |

(1) ISO Coated v2 (ECI)

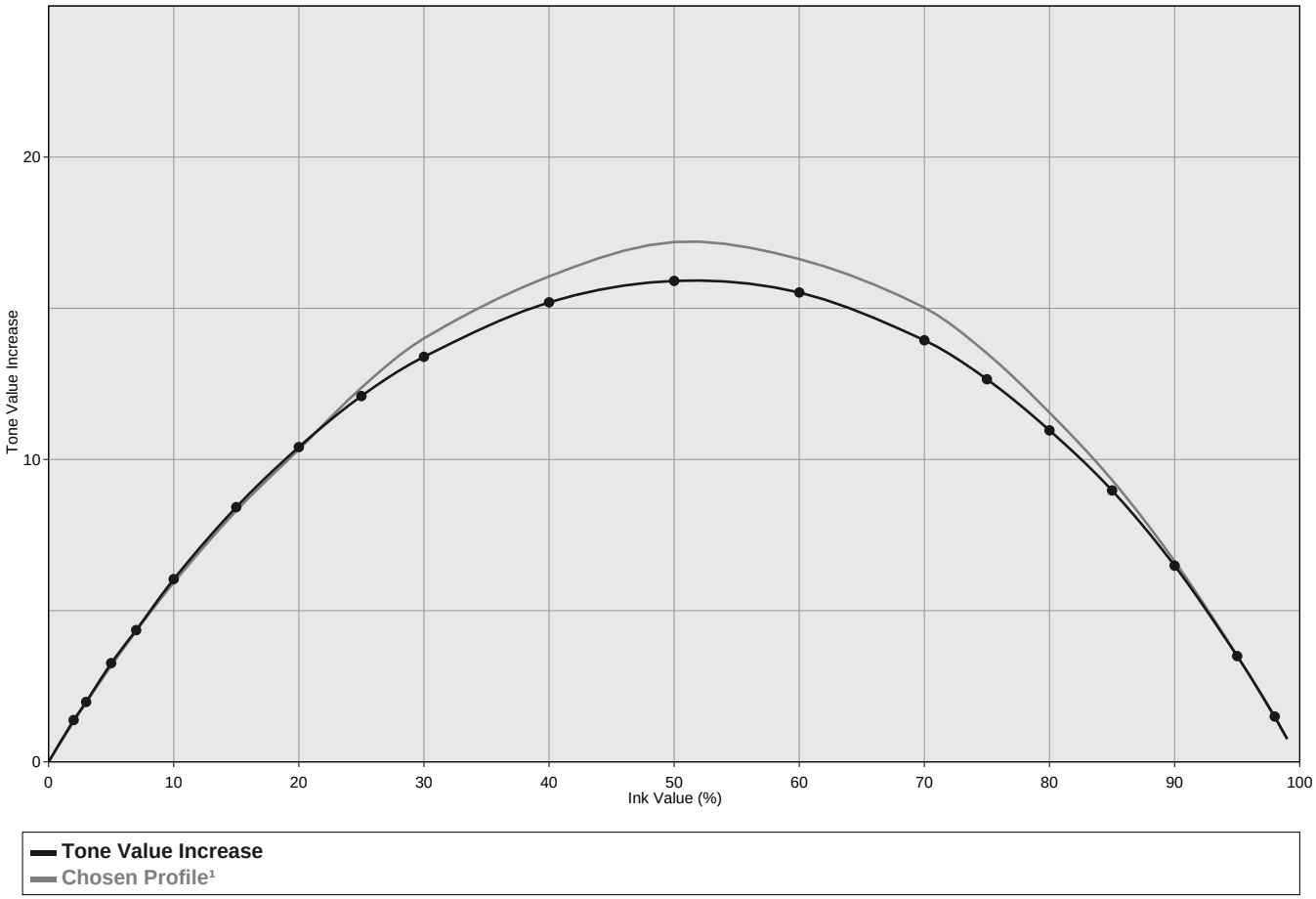



## Yellow

| Tone Value | 2.00% | 3.00% | 5.00% | 7.00% | 10.00% | 15.00% | 20.00% | 25.00% | 30.00% | 40.00% | 50.00% | 55.00% | 60.00% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tone Value Increase | 1.34 | 1.92 | 3.18 | 4.31 | 5.98 | 8.37 | 10.39 | 12.04 | 13.36 | 15.11 | 15.79 | 15.69 | 15.38 |
| Chosen Profile¹ | 0.92 | 1.36 | 2.20 | 3.00 | 4.24 | 6.11 | 7.79 | 9.45 | 10.92 | 13.23 | 14.50 | 14.72 | 14.68 |

| Tone Value | 70.00% | 75.00% | 80.00% | 85.00% | 90.00% | 95.00% | 98.00% |
|---|---|---|---|---|---|---|---|
| Tone Value Increase | 13.81 | 12.53 | 10.84 | 8.87 | 6.40 | 3.44 | 1.47 |
| Chosen Profile¹ | 13.53 | 12.35 | 10.79 | 8.67 | 6.10 | 3.18 | 1.30 |

(1) ISO Coated v2 (ECI)



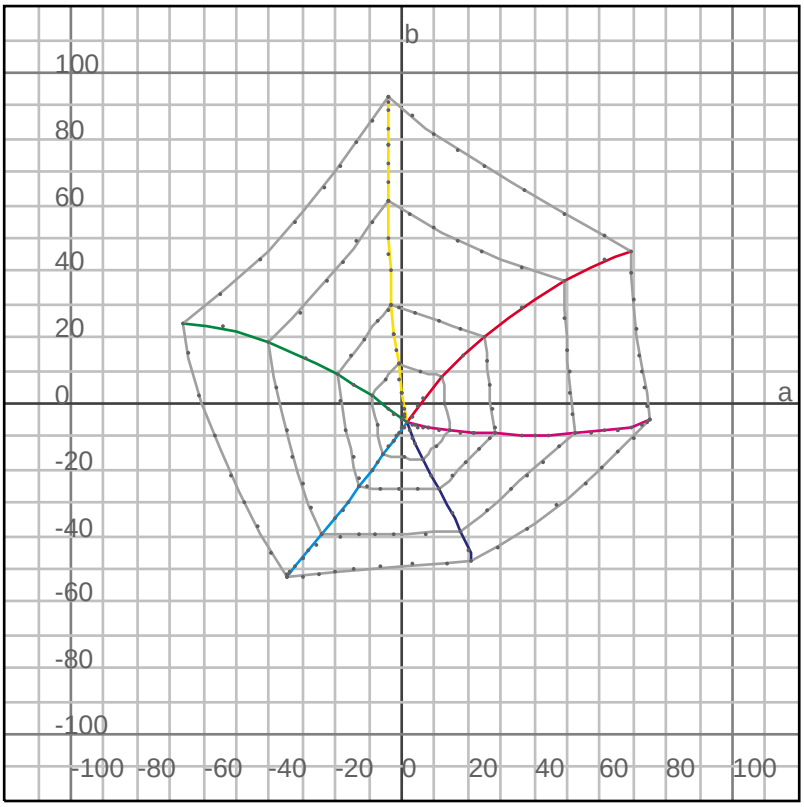

## Black

| Tone Value | 2.00% | 3.00% | 5.00% | 7.00% | 10.00% | 15.00% | 20.00% | 25.00% | 30.00% | 40.00% | 50.00% | 60.00% | 70.00% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tone Value Increase | 1.38 | 1.98 | 3.27 | 4.36 | 6.04 | 8.42 | 10.41 | 12.10 | 13.39 | 15.20 | 15.91 | 15.52 | 13.94 |
| Chosen Profile¹ | 1.33 | 1.96 | 3.18 | 4.32 | 5.93 | 8.30 | 10.33 | 12.37 | 14.00 | 16.05 | 17.19 | 16.63 | 15.02 |

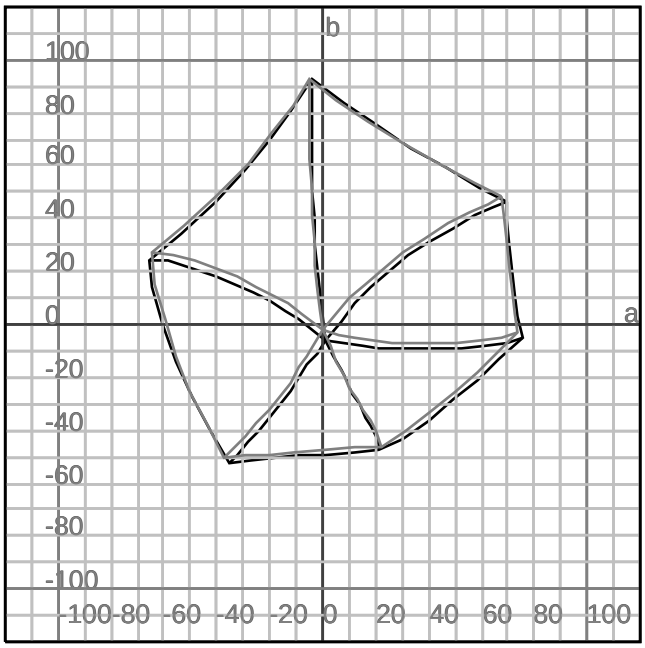
| Tone Value | 75.00% | 80.00% | 85.00% | 90.00% | 95.00% | 98.00% |
|---|---|---|---|---|---|---|
| Tone Value Increase | 12.65 | 10.96 | 8.98 | 6.49 | 3.50 | 1.50 |
| Chosen Profile¹ | 13.51 | 11.55 | 9.32 | 6.63 | 3.52 | 1.46 |

(1) ISO Coated v2 (ECI)

## 7. Spider Web



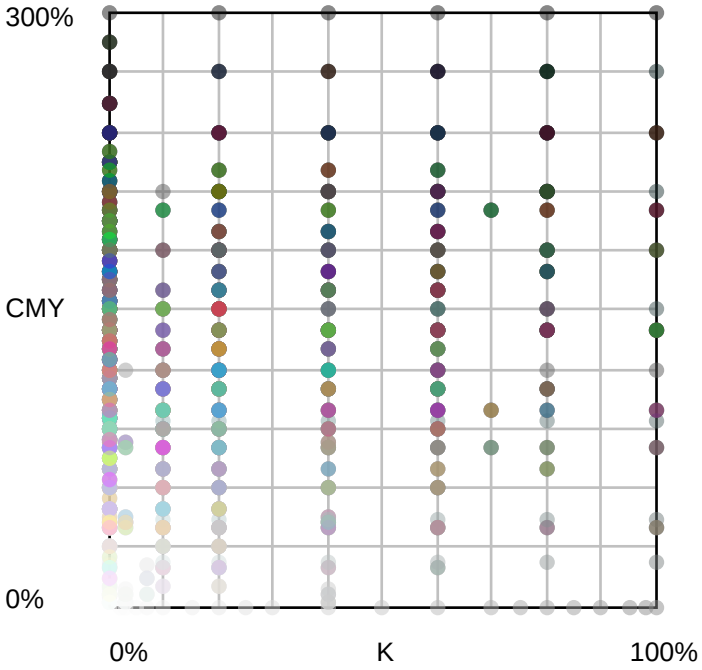

ISOcoated_v2_eci.icc



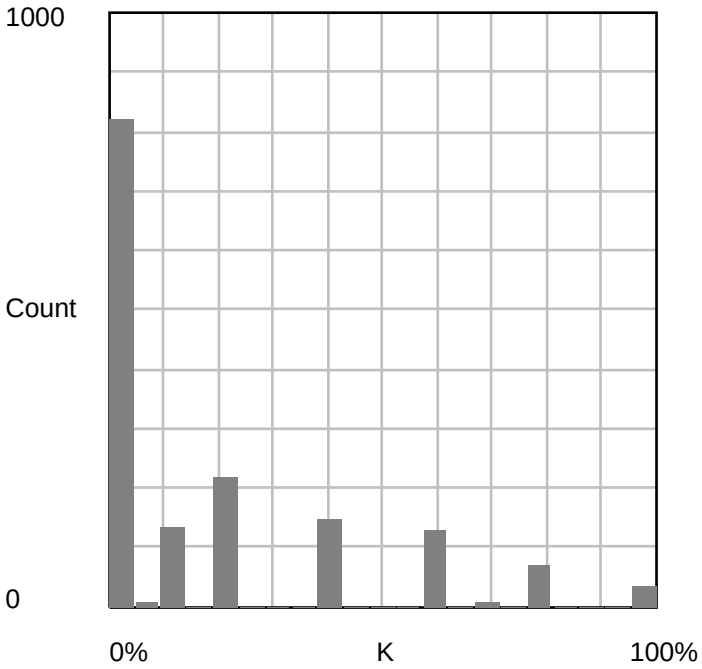

**Printing standard**
**Selected profile:** ISO Coated v2 (ECI) (79% match)
**Best profile:** PSOcoated_v3_TAC300_K96.icc (100% match)

## 8. CMYK Distribution

This diagram shows the distribution of the CMYK patches. The dots show CMYK combinations ordered by black (x axis) and TAC of CMY (y axis). A good, generic testchart should have colors on all edges. The patches should be distributed evenly, typically with less patches on the right side (high black amount). There shouldn't be large holes, because this limits the flexibility for different separation methods.




This diagram shows the number of CMYK patches (y axis) for different black levels (x axis). Typically there are less patches on the right side (high black amount).



## 9. Quality Evaluation

Details:

| | |
|---|---|
| **Number of redundant patches** | 58 in 29 group(s) |
| **Redundancy Delta** | 0.01 (max) |
| **Correction Delta** | 0.01 (max), 0.00 (average) |
| **Smoothing Delta** | 0.44 (max), 0.12 (average) |