

Dienstleister

fapfab Bildproduktion
 jankowsky@fapfab.de

jam fineartprint
 Andreas Jankowsky
 Bassermannweg 22
 12207 Berlin

Messung

Datei: Colorcheck_1327669480.txt
 Datum: 27.01.2012 14:04
 Info: jamLYVE-02
 Messgerät: i1Pro
 Messbedingung: Spectral => D50/2°

Toleranz



Digital FineArt 2010 - Erfüllt

| Colorcheck_1327669480 27.01.2012 14:04 / jamLYVE-02 | | | |
|---|-----------------------|------------------------------|------------------------|
| QUICKCHECK / Digital FineArt 2010 | | | |
| Farbmanagement | | | |
| Mittelwert ΔE_{00} : | 2.08 | Hohe Genauigkeit | (Digital FineArt 2010) |
| Maximal ΔE_{00} : | 3.35 (Feld B3) | | |
| Graubalance | | | |
| Max. Abweichung Δs : | 1.42 (Feld A1) | $\Delta s \leq 2$ | (Digital FineArt 2010) |
| Farbton: | Neutral | $\text{Ø}C^* : 1.2$ | |
| Tiefenzeichnung | | | |
| Tiefenzeichnung ΔL : | 1.30 | $\Delta L \geq 1$ | (Digital FineArt 2010) |
| D_{max} : | 1.56 | | |
| Papiereigenschaften | | | |
| Papierweiss Lab*: | 95.8 / 1.2 / -1.8 | D50/2° (ISO 5631-3) | |
| Farbraum: | 80 CCU | CCU = Cubic Colorcheck Units | |

Farbmanagement

Mittelwert ΔE_{00} : **2.08**

Hohe Genauigkeit



(Digital FineArt 2010)

Maximal ΔE_{00} : **3.35** (Feld B3)

| Feld | Ref | Lab L* | Lab a* | Lab b* | Sättigungs- Unterschied $\Delta C'$ | Farbton- Unterschied $\Delta H'$ | Farbabstand ΔE_{00} | $\Delta E_{00} \leq 6$ |
|------|-----|--------|--------|--------|--|-------------------------------------|--------------------------------|------------------------|
| B1 | | 82.6 | 2.7 | 72.7 | -2.08 | 0.03 | 2.62 | ✓ |
| B2 | | 70.6 | 27.2 | 55.1 | -2.11 | 0.71 | 2.27 | ✓ |
| B3 | | 54.1 | 53.8 | 31.2 | -2.20 | 1.46 | 3.35 | ✓ |
| B4 | | 52.0 | 60.4 | -6.5 | -1.69 | 0.51 | 2.64 | ✓ |
| B5 | | 47.6 | 39.4 | -26.6 | -1.19 | 0.43 | 2.84 | ✓ |
| B6 | | 42.7 | 5.4 | -40.7 | -0.76 | 0.55 | 2.68 | ✓ |
| B7 | | 57.5 | -21.5 | -27.6 | -0.75 | 0.91 | 1.27 | ✓ |
| B8 | | 60.7 | -35.6 | 2.7 | -1.66 | 0.56 | 1.85 | ✓ |
| B9 | | 61.5 | -34.9 | 29.9 | -2.04 | 0.12 | 2.42 | ✓ |
| B10 | | 70.4 | -21.9 | 53.6 | -2.13 | 0.02 | 2.15 | ✓ |
| B11 | | 82.8 | 0.3 | 39.2 | -2.00 | 0.23 | 2.47 | ✓ |
| B12 | | 69.7 | 17.3 | 35.7 | -1.74 | 0.36 | 1.79 | ✓ |
| B13 | | 62.8 | 36.5 | 21.9 | -1.52 | 0.51 | 1.76 | ✓ |
| B14 | | 62.1 | 38.1 | -1.7 | -0.68 | 1.08 | 1.28 | ✓ |
| B15 | | 59.9 | 23.7 | -18.3 | -0.40 | 0.72 | 0.83 | ✓ |
| B16 | | 51.1 | 0.6 | -29.4 | -0.25 | 0.45 | 1.21 | ✓ |
| B17 | | 69.3 | -10.5 | -18.0 | -0.56 | 0.96 | 1.25 | ✓ |
| B18 | | 51.9 | -17.5 | 2.7 | -1.61 | 0.60 | 2.55 | ✓ |
| B19 | | 70.0 | -19.2 | 16.7 | -1.93 | 0.38 | 1.97 | ✓ |
| B20 | | 73.9 | -14.3 | 31.8 | -2.17 | 0.18 | 2.31 | ✓ |

Graubalance

Max. Abweichung Δs : **1.42** (Feld A1) $\Delta s \leq 2$

Farbton: Neutral

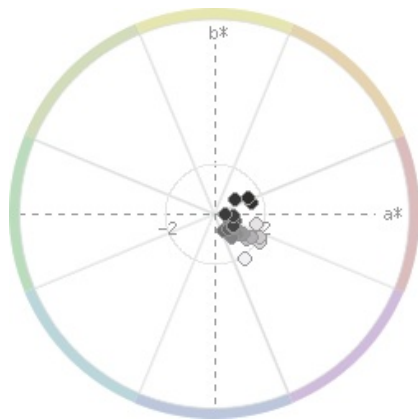
 $\varnothing C^*$: 1.2

(Digital FineArt 2010)

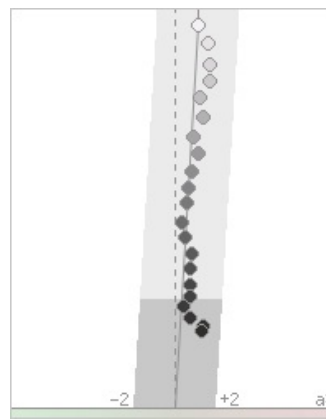
Tiefenzeichnung

Tiefenzeichnung ΔL : **1.30** $\Delta L \geq 1$ D_{max} : 1.56Minimal L^* : 19.0

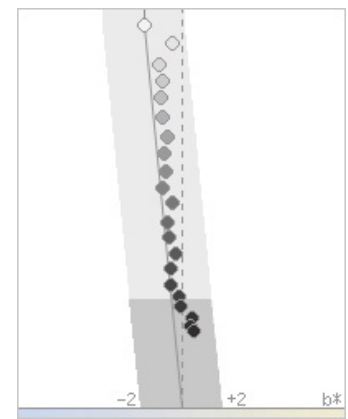
(Digital FineArt 2010)



Feld A1 - A20 / ab*-Diagramm



a*-Achse

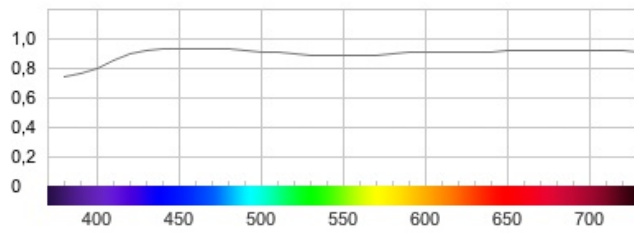


b*-Achse

| Feld | Ref | Lab L^* | Lab a^* | Lab b^* | Relativer Farbstich Δs | $\Delta s \leq 2$ |
|------|-----|-----------|-----------|-----------|--|-------------------|
| A1 | | 91.0 | 1.6 | -0.4 | 1.42 | ✓ |
| A2 | | 85.9 | 1.8 | -1.1 | 0.85 | ✓ |
| A3 | | 81.8 | 1.7 | -0.9 | 0.96 | ✓ |
| A4 | | 77.4 | 1.2 | -1.0 | 0.52 | ✓ |
| A5 | | 72.8 | 1.4 | -1.0 | 0.67 | ✓ |
| A6 | | 67.8 | 0.9 | -0.7 | 0.64 | ✓ |
| A7 | | 63.5 | 1.2 | -0.8 | 0.53 | ✓ |
| A8 | | 59.2 | 0.9 | -0.8 | 0.35 | ✓ |
| A9 | | 55.0 | 0.7 | -0.9 | 0.09 | ✓ |
| A10 | | 51.2 | 0.6 | -0.4 | 0.52 | ✓ |
| A11 | | 46.3 | 0.4 | -0.7 | 0.24 | ✓ |
| A12 | | 42.7 | 0.5 | -0.6 | 0.15 | ✓ |
| A13 | | 38.5 | 0.8 | -0.3 | 0.52 | ✓ |
| A14 | | 34.9 | 0.7 | -0.5 | 0.37 | ✓ |
| A15 | | 30.6 | 0.7 | -0.5 | 0.44 | ✓ |
| A16 | | 27.7 | 0.7 | -0.1 | 0.56 | ✓ |
| Feld | Ref | Lab L^* | Lab a^* | Lab b^* | Helligkeitsunterschied ΔL zum vorherigen Feld | $\Delta L \geq 1$ |
| A17 | | 25.1 | 0.4 | -0.0 | 2.57 | ✓ |
| A18 | | 22.3 | 0.8 | 0.5 | 2.85 | ✓ |
| A19 | | 20.3 | 1.4 | 0.4 | 2.00 | ✓ |
| A20 | | 19.0 | 1.3 | 0.6 | 1.30 | ✓ |

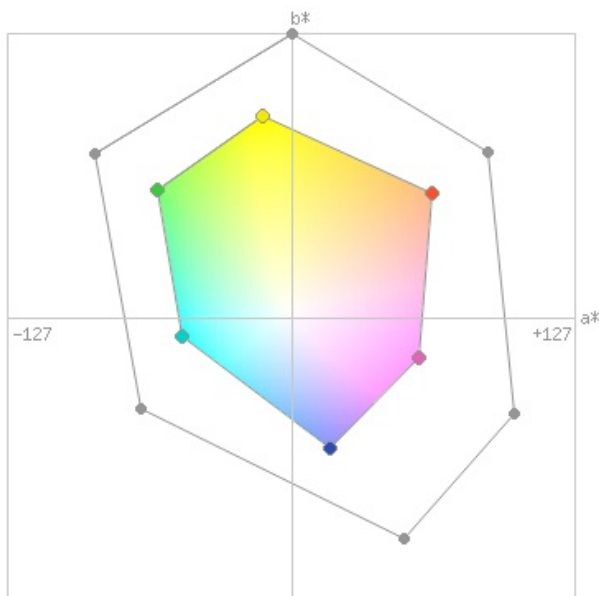
Papiereigenschaften

Papierweiss Lab*: 95.8 / 1.2 / -1.8 D50/2° (ISO 5631-3)
CIE Whiteness: 97 D65/10° (ISO 11475)
Optische Aufheller: Aufhellerfrei (Angabe nur korrekt wenn ohne UV-Filter gemessen wurde)









































Farbraum

Grösse: 80 CCU CCU = Cubic Colorcheck Units



Vergleich mit ICCv4 PRMG (Perceptual Reference Medium Gamut)

| Feld | Messwerte | | | Referenz | | | |
|------|-----------|--------|--------|----------|--------|--------|--------|
| | Lab L* | Lab a* | Lab b* | Lab L* | Lab a* | Lab b* | |
| A1 | 91.02 | 1.60 | -0.41 | | 91.02 | 1.17 | -1.76 |
| A2 | 85.89 | 1.75 | -1.10 | | 85.89 | 1.11 | -1.67 |
| A3 | 81.75 | 1.75 | -0.91 | | 81.75 | 1.05 | -1.57 |
| A4 | 77.41 | 1.23 | -1.02 | | 77.41 | 0.99 | -1.48 |
| A5 | 72.82 | 1.44 | -0.95 | | 72.82 | 0.93 | -1.39 |
| A6 | 67.84 | 0.91 | -0.66 | | 67.84 | 0.86 | -1.30 |
| A7 | 63.52 | 1.15 | -0.81 | | 63.52 | 0.80 | -1.20 |
| A8 | 59.20 | 0.87 | -0.78 | | 59.20 | 0.74 | -1.11 |
| A9 | 55.00 | 0.66 | -0.93 | | 55.00 | 0.68 | -1.02 |
| A10 | 51.22 | 0.60 | -0.41 | | 51.22 | 0.62 | -0.93 |
| A11 | 46.29 | 0.38 | -0.68 | | 46.29 | 0.56 | -0.83 |
| A12 | 42.65 | 0.51 | -0.60 | | 42.65 | 0.49 | -0.74 |
| A13 | 38.48 | 0.83 | -0.31 | | 38.48 | 0.43 | -0.65 |
| A14 | 34.89 | 0.74 | -0.53 | | 34.89 | 0.37 | -0.56 |
| A15 | 30.62 | 0.74 | -0.51 | | 30.62 | 0.31 | -0.46 |
| A16 | 27.70 | 0.74 | -0.11 | | 27.70 | 0.25 | -0.37 |
| A17 | 25.13 | 0.44 | -0.03 | | 25.13 | 0.19 | -0.28 |
| A18 | 22.28 | 0.78 | 0.52 | | 22.28 | 0.12 | -0.19 |
| A19 | 20.28 | 1.43 | 0.42 | | 20.28 | 0.06 | -0.09 |
| A20 | 18.99 | 1.32 | 0.61 | | 18.99 | 0.00 | -0.00 |
| B1 | 82.61 | 2.70 | 72.68 | | 85.00 | 3.00 | 82.00 |
| B2 | 70.59 | 27.23 | 55.08 | | 70.00 | 32.00 | 62.00 |
| B3 | 54.12 | 53.82 | 31.19 | | 52.00 | 60.00 | 38.00 |
| B4 | 51.96 | 60.35 | -6.55 | | 50.00 | 67.00 | -6.00 |
| B5 | 47.63 | 39.36 | -26.57 | | 45.00 | 43.00 | -28.00 |
| B6 | 42.71 | 5.45 | -40.71 | | 40.00 | 5.00 | -43.00 |
| B7 | 57.48 | -21.49 | -27.57 | | 57.00 | -24.00 | -28.00 |
| B8 | 60.69 | -35.63 | 2.71 | | 60.00 | -40.00 | 4.00 |
| B9 | 61.51 | -34.87 | 29.94 | | 60.00 | -40.00 | 34.00 |
| B10 | 70.37 | -21.90 | 53.55 | | 70.00 | -25.00 | 61.00 |
| B11 | 82.85 | 0.30 | 39.21 | | 85.00 | 0.00 | 45.00 |
| B12 | 69.71 | 17.33 | 35.71 | | 70.00 | 20.00 | 40.00 |
| B13 | 62.85 | 36.48 | 21.93 | | 62.00 | 40.00 | 25.00 |
| B14 | 62.09 | 38.09 | -1.67 | | 62.00 | 40.00 | 0.00 |
| B15 | 59.92 | 23.66 | -18.35 | | 60.00 | 25.00 | -18.00 |
| B16 | 51.06 | 0.55 | -29.41 | | 50.00 | 0.00 | -30.00 |
| B17 | 69.28 | -10.52 | -18.02 | | 70.00 | -12.00 | -18.00 |
| B18 | 51.90 | -17.52 | 2.71 | | 50.00 | -20.00 | 4.00 |
| B19 | 69.95 | -19.19 | 16.72 | | 70.00 | -22.00 | 20.00 |
| B20 | 73.95 | -14.32 | 31.80 | | 75.00 | -17.00 | 37.00 |

| Gamut Messwerte | | | | | | | | |
|-----------------|--------|--------|--------|---|---|-------|-------|-------|
| Feld | Lab L* | Lab a* | Lab b* | | | RGB R | RGB G | RGB B |
| C1 | 59.12 | 63.05 | 55.36 |  |  | 255 | 0 | 0 |
| C2 | 73.02 | -60.21 | 57.20 |  |  | 0 | 255 | 0 |
| C3 | 35.65 | 17.32 | -58.83 |  |  | 0 | 0 | 255 |
| C4 | 75.54 | -49.12 | -8.33 |  |  | 0 | 255 | 255 |
| C5 | 60.85 | 57.06 | -18.41 |  |  | 255 | 0 | 255 |
| C6 | 91.57 | -12.62 | 90.20 |  |  | 255 | 255 | 0 |
| C7 | 95.81 | 1.18 | -1.77 |  |  | 255 | 255 | 255 |
| C8 | 57.31 | -7.95 | 9.68 |  |  | 131 | 141 | 118 |
| C9 | 33.50 | 3.20 | -36.82 |  |  | 23 | 64 | 125 |
| C10 | 40.31 | 35.83 | -44.46 |  |  | 119 | 28 | 191 |
| C11 | 53.80 | -10.94 | -52.69 |  |  | 57 | 139 | 224 |
| C12 | 53.13 | -42.66 | 35.13 |  |  | 64 | 132 | 20 |
| C13 | 68.80 | -66.63 | 30.25 |  |  | 33 | 207 | 115 |
| C14 | 57.88 | 62.95 | 6.90 |  |  | 228 | 61 | 128 |
| C15 | 38.80 | 42.52 | 10.52 |  |  | 126 | 26 | 59 |
| C16 | 63.38 | 36.00 | -28.84 |  |  | 190 | 128 | 232 |
| C17 | 80.52 | 8.27 | 35.83 |  |  | 228 | 197 | 133 |
| C18 | 72.80 | 34.56 | 71.92 |  |  | 255 | 154 | 35 |
| C19 | 77.56 | -50.39 | 66.79 |  |  | 147 | 235 | 39 |
| C20 | 77.61 | -50.24 | 6.99 |  |  | 123 | 235 | 190 |