

Dienstleister

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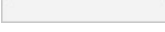
Messung

Datei: Colorcheck_1326726401.txt
 Datum: 16.01.2012 16:06
 Info: jamHPR-01
 Messgerät: i1Pro
 Messbedingung: Spectral => D50/2°

Toleranz



Digital FineArt 2010 - Erfüllt

| Colorcheck_1326726401 16.01.2012 16:06 / jamHPR-01 | | | |
|--|------------------------|--|--|
| QUICKCHECK / Digital FineArt 2010 | | | |
| Farbmanagement  | | | |
| Mittelwert ΔE_{00} : | 2.06 |  Hohe Genauigkeit |  (Digital FineArt 2010) |
| Maximal ΔE_{00} : | 2.68 (Feld B20) | | |
| Graubalance  | | | |
| Max. Abweichung Δs : | 1.52 (Feld A11) | $\Delta s \leq 2$ |  (Digital FineArt 2010) |
| Farbton: | Neutral | $\text{Ø}C^* : 0.9$ | |
| Tiefenzeichnung  | | | |
| Tiefenzeichnung ΔL : | 2.13 | $\Delta L \geq 1$ |  (Digital FineArt 2010) |
| D_{max} : | 1.68 | | |
| Papiereigenschaften  | | | |
| Papierweiss Lab*: | 96.1 / 0.8 / -0.6 | D50/2° (ISO 5631-3) | |
| Farbraum: | 79 CCU | CCU = Cubic Colorcheck Units | |

Farbmanagement

Mittelwert ΔE_{00} : **2.06**

Hohe Genauigkeit



(Digital FineArt 2010)

Maximal ΔE_{00} : **2.68** (Feld B20)

| 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 | | 82.3 | 2.9 | 75.3 | -1.47 | 0.09 | 2.35 | |
| B2 | | 68.7 | 29.2 | 55.3 | -1.82 | 0.40 | 2.12 | |
| B3 | | 52.5 | 54.5 | 31.8 | -1.97 | 1.37 | 2.46 | |
| B4 | | 50.5 | 59.8 | -5.7 | -1.85 | 0.14 | 1.92 | |
| B5 | | 46.4 | 37.3 | -23.6 | -2.27 | 0.31 | 2.65 | |
| B6 | | 41.4 | 4.6 | -37.2 | -2.07 | 0.19 | 2.48 | |
| B7 | | 56.3 | -20.9 | -24.5 | -1.85 | 0.06 | 1.96 | |
| B8 | | 59.3 | -35.7 | 4.7 | -1.55 | 0.73 | 1.82 | |
| B9 | | 59.2 | -36.0 | 30.7 | -1.60 | 0.06 | 1.74 | |
| B10 | | 68.1 | -23.2 | 54.6 | -1.73 | 0.40 | 2.33 | |
| B11 | | 82.2 | 1.1 | 41.7 | -1.11 | 0.85 | 2.35 | |
| B12 | | 68.2 | 17.9 | 36.6 | -1.37 | 0.24 | 1.97 | |
| B13 | | 60.9 | 36.5 | 21.6 | -1.57 | 0.73 | 1.98 | |
| B14 | | 61.0 | 37.4 | 0.1 | -0.93 | 0.05 | 1.26 | |
| B15 | | 58.9 | 22.7 | -16.1 | -1.31 | 0.14 | 1.65 | |
| B16 | | 49.7 | 0.5 | -26.1 | -1.71 | 0.41 | 1.91 | |
| B17 | | 68.3 | -10.7 | -16.3 | -1.18 | 0.09 | 1.77 | |
| B18 | | 50.8 | -17.4 | 4.5 | -1.56 | 0.78 | 1.92 | |
| B19 | | 67.9 | -20.0 | 18.6 | -1.10 | 0.21 | 1.98 | |
| B20 | | 72.1 | -14.8 | 33.2 | -1.58 | 0.27 | 2.68 | |

Graubalance

Max. Abweichung Δs : **1.52** (Feld A11) $\Delta s \leq 2$

Farbton: Neutral

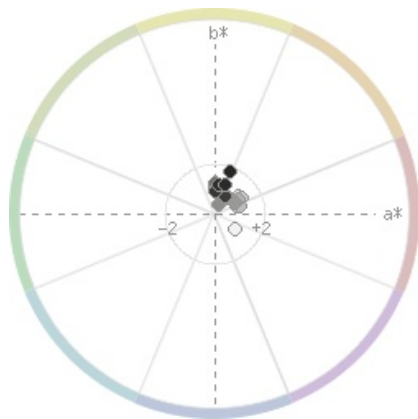
 $\varnothing C^*$: 0.9

(Digital FineArt 2010)

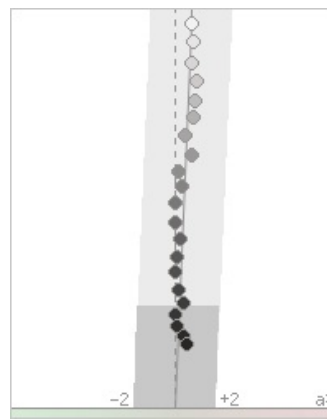
Tiefenzeichnung

Tiefenzeichnung ΔL : **2.13** $\Delta L \geq 1$ D_{max} : 1.68Minimal L^* : 15.9

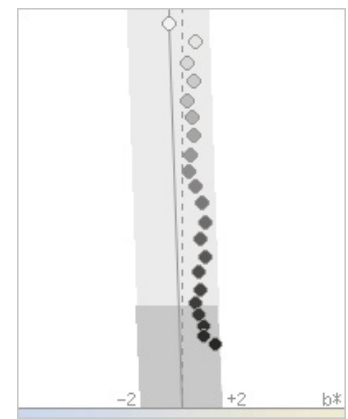
(Digital FineArt 2010)



Feld A1 - A20 / ab*-Diagramm



a*-Achse

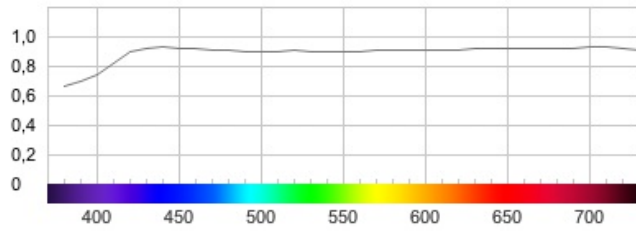


b*-Achse

| Feld | Ref | Lab L^* | Lab a^* | Lab b^* | Relativer Farbstich Δs | $\Delta s \leq 2$ |
|------|-----|-----------|-----------|-----------|--|-------------------|
| A1 | | 91.4 | 0.9 | 0.7 | 1.29 | ✓ |
| A2 | | 86.1 | 0.8 | 0.3 | 0.86 | ✓ |
| A3 | | 81.6 | 1.1 | 0.6 | 1.22 | ✓ |
| A4 | | 76.8 | 1.0 | 0.3 | 0.87 | ✓ |
| A5 | | 72.5 | 0.9 | 0.6 | 1.08 | ✓ |
| A6 | | 68.0 | 0.5 | 0.6 | 1.05 | ✓ |
| A7 | | 63.4 | 0.8 | 0.4 | 0.88 | ✓ |
| A8 | | 59.1 | 0.2 | 0.4 | 0.83 | ✓ |
| A9 | | 55.2 | 0.3 | 0.7 | 1.08 | ✓ |
| A10 | | 51.0 | 0.0 | 1.0 | 1.37 | ✓ |
| A11 | | 46.3 | 0.0 | 1.2 | 1.52 | ✓ |
| A12 | | 42.0 | 0.3 | 0.9 | 1.17 | ✓ |
| A13 | | 37.7 | 0.1 | 1.1 | 1.38 | ✓ |
| A14 | | 34.0 | 0.0 | 0.9 | 1.08 | ✓ |
| A15 | | 29.6 | 0.2 | 0.9 | 1.11 | ✓ |
| A16 | | 26.1 | 0.4 | 0.7 | 0.84 | ✓ |
| Feld | Ref | Lab L^* | Lab a^* | Lab b^* | Helligkeitsunterschied ΔL zum vorherigen Feld | $\Delta L \geq 1$ |
| A17 | | 23.1 | 0.0 | 0.9 | 2.97 | ✓ |
| A18 | | 20.2 | 0.2 | 1.1 | 2.93 | ✓ |
| A19 | | 18.1 | 0.4 | 1.1 | 2.13 | ✓ |
| A20 | | 15.9 | 0.6 | 1.6 | 2.21 | ✓ |

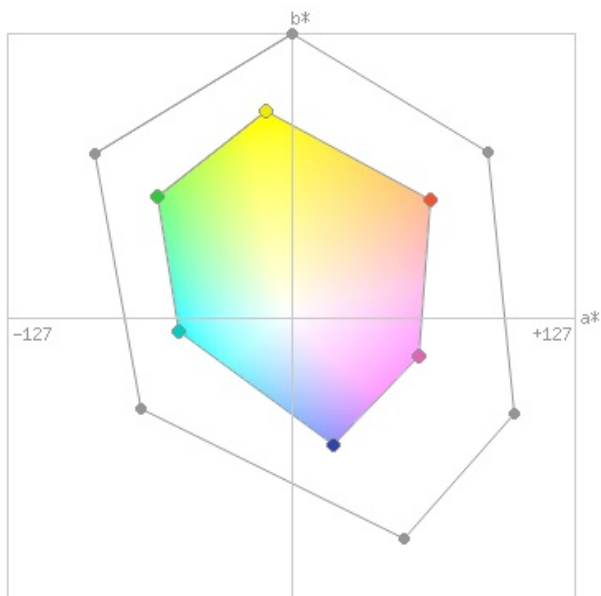
Papiereigenschaften

Papierweiss Lab*: 96.1 / 0.8 / -0.6 D50/2° (ISO 5631-3)
CIE Whiteness: 93 D65/10° (ISO 11475)
Optische Aufheller: Aufhellerfrei (Angabe nur korrekt wenn ohne UV-Filter gemessen wurde)



Farbraum

Grösse: 79 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 | 91.39 | 0.94 | 0.66 | | 91.39 | 0.81 | -0.62 |
| A2 | 86.11 | 0.83 | 0.27 | | 86.11 | 0.76 | -0.59 |
| A3 | 81.60 | 1.08 | 0.61 | | 81.60 | 0.72 | -0.56 |
| A4 | 76.81 | 1.00 | 0.28 | | 76.81 | 0.68 | -0.52 |
| A5 | 72.52 | 0.91 | 0.55 | | 72.52 | 0.64 | -0.49 |
| A6 | 68.00 | 0.54 | 0.59 | | 68.00 | 0.59 | -0.46 |
| A7 | 63.36 | 0.81 | 0.41 | | 63.36 | 0.55 | -0.43 |
| A8 | 59.11 | 0.17 | 0.37 | | 59.11 | 0.51 | -0.39 |
| A9 | 55.25 | 0.33 | 0.72 | | 55.25 | 0.47 | -0.36 |
| A10 | 51.03 | 0.05 | 0.99 | | 51.03 | 0.42 | -0.33 |
| A11 | 46.28 | 0.04 | 1.18 | | 46.28 | 0.38 | -0.29 |
| A12 | 42.00 | 0.32 | 0.91 | | 42.00 | 0.34 | -0.26 |
| A13 | 37.70 | 0.14 | 1.15 | | 37.70 | 0.30 | -0.23 |
| A14 | 33.96 | 0.03 | 0.86 | | 33.96 | 0.25 | -0.20 |
| A15 | 29.60 | 0.20 | 0.94 | | 29.60 | 0.21 | -0.16 |
| A16 | 26.10 | 0.44 | 0.66 | | 26.10 | 0.17 | -0.13 |
| A17 | 23.13 | 0.04 | 0.86 | | 23.13 | 0.13 | -0.10 |
| A18 | 20.20 | 0.16 | 1.09 | | 20.20 | 0.08 | -0.07 |
| A19 | 18.07 | 0.41 | 1.10 | | 18.07 | 0.04 | -0.03 |
| A20 | 15.86 | 0.60 | 1.64 | | 15.86 | 0.00 | -0.00 |
| B1 | 82.26 | 2.91 | 75.33 | | 85.00 | 3.00 | 82.00 |
| B2 | 68.71 | 29.23 | 55.29 | | 70.00 | 32.00 | 62.00 |
| B3 | 52.52 | 54.52 | 31.78 | | 52.00 | 60.00 | 38.00 |
| B4 | 50.47 | 59.83 | -5.68 | | 50.00 | 67.00 | -6.00 |
| B5 | 46.39 | 37.30 | -23.65 | | 45.00 | 43.00 | -28.00 |
| B6 | 41.36 | 4.56 | -37.17 | | 40.00 | 5.00 | -43.00 |
| B7 | 56.29 | -20.87 | -24.49 | | 57.00 | -24.00 | -28.00 |
| B8 | 59.33 | -35.70 | 4.68 | | 60.00 | -40.00 | 4.00 |
| B9 | 59.23 | -35.97 | 30.73 | | 60.00 | -40.00 | 34.00 |
| B10 | 68.08 | -23.15 | 54.59 | | 70.00 | -25.00 | 61.00 |
| B11 | 82.16 | 1.14 | 41.72 | | 85.00 | 0.00 | 45.00 |
| B12 | 68.21 | 17.93 | 36.57 | | 70.00 | 20.00 | 40.00 |
| B13 | 60.90 | 36.52 | 21.58 | | 62.00 | 40.00 | 25.00 |
| B14 | 61.02 | 37.45 | 0.09 | | 62.00 | 40.00 | 0.00 |
| B15 | 58.87 | 22.69 | -16.09 | | 60.00 | 25.00 | -18.00 |
| B16 | 49.70 | 0.46 | -26.13 | | 50.00 | 0.00 | -30.00 |
| B17 | 68.32 | -10.72 | -16.28 | | 70.00 | -12.00 | -18.00 |
| B18 | 50.79 | -17.37 | 4.52 | | 50.00 | -20.00 | 4.00 |
| B19 | 67.91 | -19.98 | 18.59 | | 70.00 | -22.00 | 20.00 |
| B20 | 72.11 | -14.84 | 33.24 | | 75.00 | -17.00 | 37.00 |

| Gamut Messwerte | | | | | | | | |
|-----------------|--------|--------|--------|--|--|-------|-------|-------|
| Feld | Lab L* | Lab a* | Lab b* | | | RGB R | RGB G | RGB B |
| C1 | 58.47 | 62.56 | 52.43 | | | 255 | 0 | 0 |
| C2 | 71.61 | -59.86 | 54.20 | | | 0 | 255 | 0 |
| C3 | 33.17 | 19.10 | -57.35 | | | 0 | 0 | 255 |
| C4 | 74.69 | -50.81 | -6.49 | | | 0 | 255 | 255 |
| C5 | 60.96 | 56.78 | -17.35 | | | 255 | 0 | 255 |
| C6 | 91.29 | -11.65 | 92.71 | | | 255 | 255 | 0 |
| C7 | 96.08 | 0.82 | -0.63 | | | 255 | 255 | 255 |
| C8 | 57.38 | -8.12 | 10.86 | | | 131 | 141 | 118 |
| C9 | 28.92 | 2.22 | -35.91 | | | 23 | 64 | 125 |
| C10 | 38.55 | 35.44 | -43.35 | | | 119 | 28 | 191 |
| C11 | 53.37 | -10.83 | -49.96 | | | 57 | 139 | 224 |
| C12 | 50.57 | -44.37 | 33.42 | | | 64 | 132 | 20 |
| C13 | 66.77 | -66.96 | 30.82 | | | 33 | 207 | 115 |
| C14 | 57.51 | 63.07 | 7.84 | | | 228 | 61 | 128 |
| C15 | 36.15 | 42.64 | 12.04 | | | 126 | 26 | 59 |
| C16 | 62.79 | 37.99 | -27.69 | | | 190 | 128 | 232 |
| C17 | 79.71 | 8.78 | 36.43 | | | 228 | 197 | 133 |
| C18 | 72.06 | 35.74 | 70.86 | | | 255 | 154 | 35 |
| C19 | 77.08 | -49.40 | 65.71 | | | 147 | 235 | 39 |
| C20 | 76.66 | -52.66 | 8.77 | | | 123 | 235 | 190 |