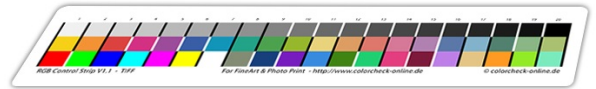


Auswertungsprotokoll RGB-Kontrollkeil

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Messung

Datei: Colorcheck_1464094146
Datum: 24.05.2016 14:49
Info: ipf1-Bolz-canvasMat-12052016_M0
Messgerät: i1Pro

Digital FineArt 2010



NICHT ERFÜLLT

Farbmanagement



Mittelwert ΔE_{00} : **3.29**
Maximum ΔE_{00} : **4.69** (Feld B1)



Mittlere Genauigkeit



(Digital FineArt 2010)

Graubalance



Farbabweichung Δs : **1.23** (Feld A3)
18% Grau / L*50: **50.4**
Farbton: Warm (Magenta)

$\Delta s \leq 2$
 $48.2 < L^*_{A10} < 56.2$
 $\Delta C^*_{ab}: 3.9$



(Digital FineArt 2010)

Tiefenzeichnung



Minimum ΔL : **0.58**
 D_{max} : 1.55

$\Delta L \Rightarrow 1$



(Digital FineArt 2010)

Papiereigenschaften



Papierweiss Lab*: 93.2 / 2.3 / -6.4
Optische Aufheller: 18.2 (Viele)
Farbraum: 69 CCU

D50/2° (ISO 5631-3)
Angabe nur korrekt wenn ohne UV-Filter gemessen wurde
CCU = Cubic Colorcheck Units

Farbmanagement

Mittelwert ΔE_{00} :**3.29**

Mittlere Genauigkeit



(Digital FineArt 2010)

Maximum ΔE_{00} :**4.69** (Feld B1)

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		80.0	3.4	68.1	-3.18	0.58	4.69	
B2		67.2	29.4	50.0	-3.02	2.22	4.35	
B3		51.4	54.5	28.4	-2.42	3.08	3.96	
B4		49.3	60.7	-8.2	-1.55	1.24	2.09	
B5		45.3	39.0	-28.2	-0.98	1.29	1.66	
B6		40.6	7.1	-41.8	-0.29	1.74	1.96	
B7		56.2	-19.0	-29.3	-0.76	2.61	2.85	
B8		59.0	-34.0	0.4	-2.33	2.08	3.23	
B9		58.9	-34.2	26.8	-2.87	0.95	3.19	
B10		67.9	-22.2	50.6	-2.85	0.81	3.39	
B11		80.7	1.1	36.3	-3.07	0.86	4.32	
B12		67.5	18.8	32.5	-2.50	1.85	3.67	
B13		59.8	37.2	17.9	-1.97	3.12	4.16	
B14		60.2	38.1	-4.6	-0.60	2.91	3.37	
B15		58.4	24.2	-20.6	0.36	1.68	2.22	
B16		49.2	2.2	-30.5	0.24	1.80	1.91	
B17		67.7	-8.6	-21.0	0.09	3.32	3.76	
B18		50.5	-16.3	0.7	-2.52	2.01	3.26	
B19		67.5	-17.8	14.3	-3.19	1.02	3.88	
B20		72.0	-13.2	29.7	-3.11	0.27	3.85	

Graubalance

Farbabweichung Δs : **1.23** (Feld A3)

18% Grau / L*50:

50.4

Farbton:

Warm (Magenta)

 $\Delta s \leq 2$ $48.2 < L^*_{A10} < 56.2$ $\Delta C^*_{ab}: 3.9$ 

(Digital FineArt 2010)

Tiefenzeichnung

Minimum ΔL :**0.58** $\Delta L \Rightarrow 1$ D_{max} :

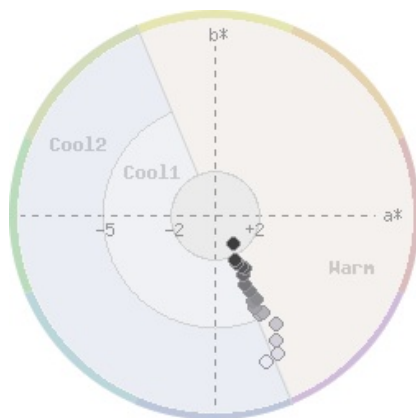
1.55

Minimum L^* :

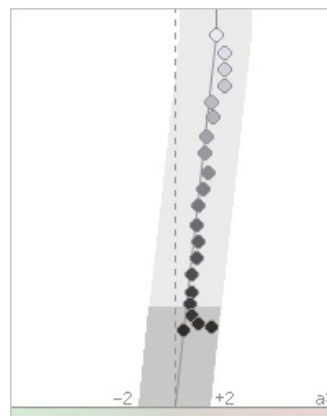
19.2



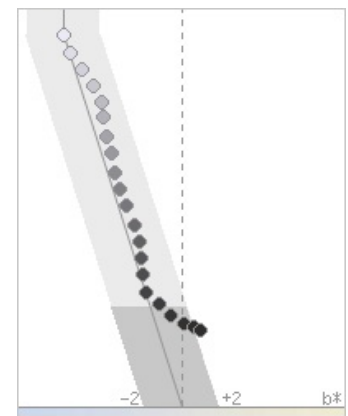
(Digital FineArt 2010)



Feld A1 - A16 / ab*-Diagramm



a*-Achse

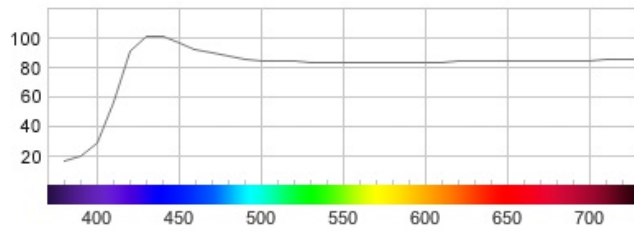


b*-Achse

Feld	Ref	Lab L*	Lab a*	Lab b*	Δs	$\Delta s \leq 2$
A1		88.7	2.8	-6.1	0.57	✓
A2		84.5	2.7	-5.5	0.89	✓
A3		80.5	2.7	-4.8	1.23	✓
A4		76.4	2.0	-4.4	1.15	✓
A5		72.7	2.2	-4.3	0.93	✓
A6		67.8	1.8	-4.1	0.76	✓
A7		63.4	1.7	-3.8	0.72	✓
A8		58.7	1.9	-3.7	0.60	✓
A9		54.5	1.6	-3.4	0.47	✓
A10		50.4	1.3	-3.0	0.42	✓
A11		45.4	1.2	-2.6	0.54	✓
A12		41.2	1.3	-2.3	0.57	✓
A13		37.1	1.2	-2.2	0.37	✓
A14		33.0	1.0	-2.1	0.22	✓
A15		28.6	0.9	-2.0	0.38	✓
A16		25.7	0.8	-1.2	0.36	✓
Feld	Ref	Lab L*	Lab a*	Lab b*	Helligkeitsunterschied ΔL zum vorherigen Feld	$\Delta L \geq 1$
A17		22.8	0.9	-0.6	2.89	✓
A18		20.8	1.3	0.2	2.02	✓
A19		19.8	2.0	0.7	1.04	✓
A20		19.2	0.5	1.0	0.58	✗

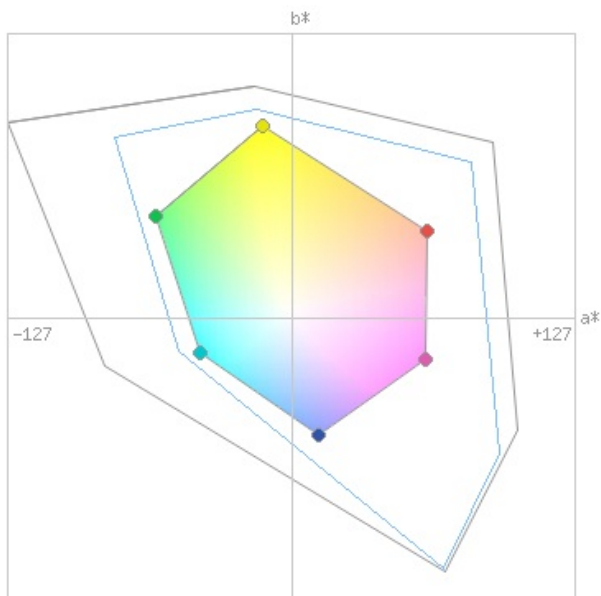
Papiereigenschaften

Papierweiss Lab*: 93.2 / 2.3 / -6.4 D50/2° (ISO 5631-3)
Optische Aufheller: 18.2 (Viele) Angabe nur korrekt wenn ohne UV-Filter gemessen wurde
CIE Whiteness: 112 D65/10° (ISO 11475)



Farbraum

Grösse: 69 CCU CCU = Cubic Colorcheck Units



Vergleich mit AdobeRGB (28%) sRGB (41%)

	Messwerte				Referenz		
Feld	Lab L*	Lab a*	Lab b*		Lab L*	Lab a*	Lab b*
A1	88.70	2.75	-6.10		95.00	2.30	-6.45
A2	84.52	2.71	-5.48		90.00	2.22	-6.22
A3	80.45	2.70	-4.81		85.00	2.10	-5.88
A4	76.42	1.99	-4.39		80.00	1.97	-5.53
A5	72.68	2.15	-4.31		75.00	1.85	-5.19
A6	67.85	1.76	-4.08		70.00	1.73	-4.84
A7	63.42	1.69	-3.78		65.00	1.60	-4.50
A8	58.66	1.86	-3.68		60.00	1.48	-4.15
A9	54.52	1.55	-3.37		55.00	1.36	-3.80
A10	50.44	1.34	-3.05		50.00	1.23	-3.46
A11	45.41	1.24	-2.59		45.00	1.11	-3.11
A12	41.16	1.33	-2.32		40.00	0.99	-2.77
A13	37.05	1.19	-2.25		35.00	0.86	-2.42
A14	33.02	0.96	-2.10		30.00	0.74	-2.07
A15	28.61	0.92	-1.96		25.00	0.62	-1.73
A16	25.71	0.82	-1.24		20.00	0.49	-1.38
A17	22.82	0.90	-0.57		15.00	0.37	-1.04
A18	20.81	1.33	0.16		10.00	0.25	-0.69
A19	19.77	1.98	0.67		5.00	0.12	-0.35
A20	19.19	0.53	1.04		0.00	0.00	-0.00
B1	79.95	3.38	68.06		85.00	3.00	82.00
B2	67.19	29.44	50.04		70.00	32.00	62.00
B3	51.40	54.45	28.37		52.00	60.00	38.00
B4	49.34	60.68	-8.24		50.00	67.00	-6.00
B5	45.32	39.02	-28.19		45.00	43.00	-28.00
B6	40.62	7.14	-41.82		40.00	5.00	-43.00
B7	56.16	-19.03	-29.33		57.00	-24.00	-28.00
B8	59.03	-34.01	0.39		60.00	-40.00	4.00
B9	58.86	-34.19	26.80		60.00	-40.00	34.00
B10	67.89	-22.25	50.63		70.00	-25.00	61.00
B11	80.67	1.06	36.29		85.00	0.00	45.00
B12	67.53	18.84	32.50		70.00	20.00	40.00
B13	59.79	37.16	17.92		62.00	40.00	25.00
B14	60.18	38.08	-4.56		62.00	40.00	0.00
B15	58.42	24.21	-20.59		60.00	25.00	-18.00
B16	49.17	2.24	-30.48		50.00	0.00	-30.00
B17	67.73	-8.57	-20.95		70.00	-12.00	-18.00
B18	50.49	-16.27	0.74		50.00	-20.00	4.00
B19	67.50	-17.76	14.32		70.00	-22.00	20.00
B20	71.96	-13.24	29.69		75.00	-17.00	37.00

	Gamut Messwerte							
Feld	Lab L*	Lab a*	Lab b*			RGB R	RGB G	RGB B
C1	56.55	61.14	38.91			255	0	0
C2	69.55	-60.55	45.67			0	255	0
C3	37.23	11.81	-52.63			0	0	255
C4	73.51	-40.91	-16.11			0	255	255
C5	59.09	59.71	-18.61			255	0	255
C6	88.54	-13.22	85.48			255	255	0
C7	93.19	2.30	-6.45			255	255	255
C8	56.61	-6.76	6.95			131	141	118
C9	31.63	-0.68	-29.14			23	64	125
C10	40.07	36.74	-39.80			119	28	191
C11	53.00	-10.25	-52.60			57	139	224
C12	48.42	-33.26	26.25			64	132	20
C13	66.59	-64.18	19.94			33	207	115
C14	56.94	59.68	5.68			228	61	128
C15	36.30	32.70	5.87			126	26	59
C16	62.56	33.44	-31.46			190	128	232
C17	77.92	8.94	31.16			228	197	133
C18	70.34	33.95	60.95			255	154	35
C19	75.97	-48.46	61.18			147	235	39
C20	76.94	-45.92	2.11			123	235	190