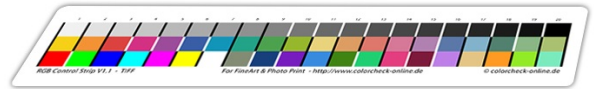


Auswertungsprotokoll RGB-Kontrollkeil

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Messung

Datei: Colorcheck_1464094465
Datum: 24.05.2016 14:54
Info: ipf1-ECPB-premMat-12052016_M0
Messgerät: i1Pro

Digital FineArt 2010



ERFÜLLT

Farbmanagement



Mittelwert ΔE_{00} : **2.87**
Maximum ΔE_{00} : **4.28** (Feld B18)



Hohe Genauigkeit



(Digital FineArt 2010)

Graubalance



Farbabweichung Δs : **1.72** (Feld A15)
18% Grau / L^*50 : **53.3**
Farbton: Neutral

$\Delta s \leq 2$
 $48.2 < L^*_{A10} < 56.2$
 $\Delta C^*_{ab}: 2.0$



(Digital FineArt 2010)

Tiefenzeichnung



Minimum ΔL : **1.52**
 D_{max} : 1.71

$\Delta L \Rightarrow 1$



(Digital FineArt 2010)

Papiereigenschaften



Papierweiss Lab*: 97.0 / 1.4 / -3.4
Optische Aufheller: 10.6 (Mittel)
Farbraum: 81 CCU

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

Farbmanagement

Mittelwert ΔE_{00} : **2.87**

Hohe Genauigkeit



(Digital FineArt 2010)

Maximum ΔE_{00} : **4.28** (Feld B18)

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		83.6	3.1	72.4	-2.15	0.27	2.35	
B2		70.8	29.3	53.7	-2.18	0.92	2.44	
B3		54.1	55.1	30.1	-2.05	2.37	3.72	
B4		52.1	61.8	-7.3	-1.29	0.79	2.59	
B5		48.6	37.9	-25.9	-1.71	0.56	3.91	
B6		43.9	5.2	-39.2	-1.31	0.52	3.89	
B7		59.2	-18.4	-26.5	-1.86	1.98	3.39	
B8		62.4	-33.9	2.5	-2.34	0.61	3.16	
B9		61.8	-33.7	29.4	-2.43	0.29	2.92	
B10		71.3	-22.7	55.3	-1.60	0.00	1.90	
B11		84.0	1.4	38.2	-2.34	1.14	2.69	
B12		70.7	18.7	33.8	-2.12	1.25	2.52	
B13		63.2	36.8	19.4	-1.86	2.13	3.01	
B14		63.3	37.0	-2.6	-1.07	1.70	2.30	
B15		61.8	23.7	-18.2	-0.43	0.63	1.74	
B16		52.8	1.4	-27.9	-0.91	1.21	3.32	
B17		71.1	-9.5	-18.0	-0.94	1.68	2.11	
B18		53.5	-16.1	3.2	-2.51	0.02	4.28	
B19		70.7	-18.1	16.2	-2.51	0.10	2.57	
B20		75.0	-13.8	31.0	-2.53	0.29	2.55	

Graubalance

Farbabweichung Δs : **1.72** (Feld A15)18% Grau / L*50: **53.3**

Farbton: Neutral

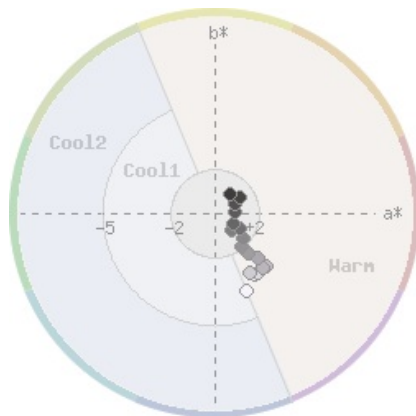
 $\Delta s \leq 2$ $48.2 < L^*_{A10} < 56.2$ $\Delta C^*_{ab}: 2.0$ 

(Digital FineArt 2010)

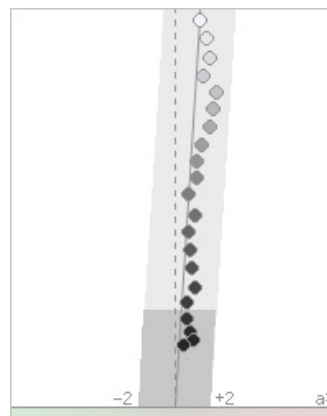
Tiefenzeichnung

Minimum ΔL : **1.52** $\Delta L \geq 1$ D_{max} : 1.71Minimum L^* : 15.3

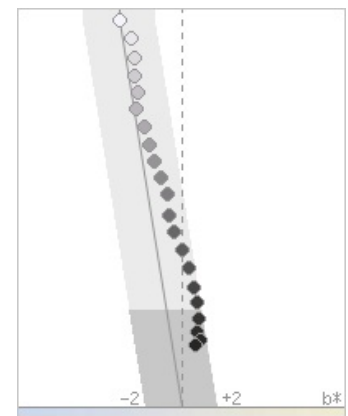
(Digital FineArt 2010)



Feld A1 - A16 / ab*-Diagramm



a*-Achse

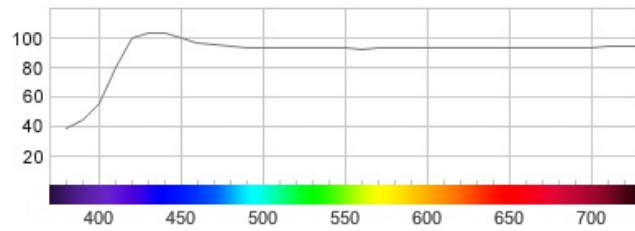


b*-Achse

Feld	Ref	Lab L*	Lab a*	Lab b*	Δs	$\Delta s \leq 2$
A1		92.3	1.7	-2.7	0.70	✓
A2		87.6	1.9	-2.6	0.80	✓
A3		82.9	1.6	-2.6	0.49	✓
A4		78.7	2.3	-2.4	1.19	✓
A5		74.7	2.1	-2.4	1.04	✓
A6		70.0	1.9	-2.0	0.98	✓
A7		65.7	1.5	-1.8	0.77	✓
A8		61.7	1.2	-1.5	0.71	✓
A9		57.6	1.2	-1.1	0.92	✓
A10		53.3	0.7	-0.7	1.03	✓
A11		48.1	1.1	-0.7	1.03	✓
A12		43.8	0.8	-0.4	0.99	✓
A13		39.1	0.9	0.0	1.31	✓
A14		34.9	0.9	0.4	1.55	✓
A15		29.8	1.1	0.7	1.72	✓
A16		26.0	0.7	0.9	1.61	✓
Feld	Ref	Lab L*	Lab a*	Lab b*	Helligkeitsunterschied ΔL zum vorherigen Feld	$\Delta L \geq 1$
A17		22.2	0.7	0.9	3.85	✓
A18		18.7	0.8	0.8	3.44	✓
A19		16.8	1.0	1.0	1.93	✓
A20		15.3	0.5	0.7	1.52	✓

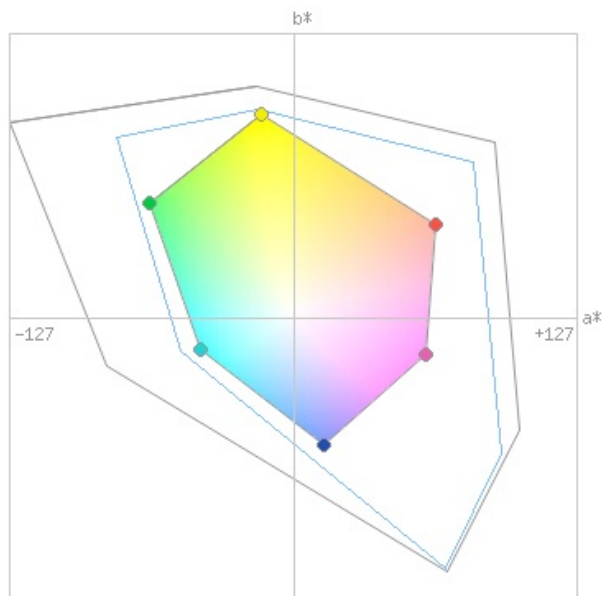
Papiereigenschaften

Papierweiss Lab*: 97.0 / 1.4 / -3.4 D50/2° (ISO 5631-3)
Optische Aufheller: 10.6 (Mittel) Angabe nur korrekt wenn ohne UV-Filter gemessen wurde
CIE Whiteness: 108 D65/10° (ISO 11475)



Farbraum

Grösse: 81 CCU CCU = Cubic Colorcheck Units



Vergleich mit AdobeRGB (33%) sRGB (48%)

	Messwerte				Referenz			
Feld	Lab L*	Lab a*	Lab b*			Lab L*	Lab a*	Lab b*
A1	92.29	1.73	-2.72			95.00	1.38	-3.33
A2	87.61	1.89	-2.60			90.00	1.31	-3.16
A3	82.94	1.56	-2.61			85.00	1.24	-2.98
A4	78.73	2.27	-2.36			80.00	1.16	-2.81
A5	74.68	2.12	-2.45			75.00	1.09	-2.63
A6	69.96	1.89	-2.00			70.00	1.02	-2.45
A7	65.70	1.51	-1.76			65.00	0.95	-2.28
A8	61.71	1.18	-1.46			60.00	0.87	-2.10
A9	57.56	1.23	-1.11			55.00	0.80	-1.93
A10	53.30	0.74	-0.72			50.00	0.73	-1.75
A11	48.12	1.11	-0.65			45.00	0.66	-1.58
A12	43.80	0.81	-0.44			40.00	0.58	-1.40
A13	39.11	0.87	0.03			35.00	0.51	-1.23
A14	34.86	0.91	0.42			30.00	0.44	-1.05
A15	29.78	1.08	0.68			25.00	0.36	-0.88
A16	26.02	0.71	0.85			20.00	0.29	-0.70
A17	22.17	0.67	0.95			15.00	0.22	-0.53
A18	18.73	0.84	0.84			10.00	0.15	-0.35
A19	16.80	1.00	1.00			5.00	0.07	-0.18
A20	15.29	0.47	0.74			0.00	0.00	-0.00
B1	83.60	3.08	72.38			85.00	3.00	82.00
B2	70.78	29.27	53.71			70.00	32.00	62.00
B3	54.05	55.11	30.14			52.00	60.00	38.00
B4	52.12	61.80	-7.33			50.00	67.00	-6.00
B5	48.56	37.89	-25.85			45.00	43.00	-28.00
B6	43.92	5.22	-39.20			40.00	5.00	-43.00
B7	59.20	-18.35	-26.50			57.00	-24.00	-28.00
B8	62.35	-33.90	2.50			60.00	-40.00	4.00
B9	61.83	-33.74	29.39			60.00	-40.00	34.00
B10	71.33	-22.67	55.34			70.00	-25.00	61.00
B11	84.00	1.44	38.25			85.00	0.00	45.00
B12	70.73	18.68	33.80			70.00	20.00	40.00
B13	63.24	36.80	19.38			62.00	40.00	25.00
B14	63.32	36.99	-2.60			62.00	40.00	0.00
B15	61.80	23.67	-18.20			60.00	25.00	-18.00
B16	52.83	1.41	-27.85			50.00	0.00	-30.00
B17	71.06	-9.47	-18.03			70.00	-12.00	-18.00
B18	53.50	-16.11	3.24			50.00	-20.00	4.00
B19	70.65	-18.07	16.23			70.00	-22.00	20.00
B20	75.03	-13.80	31.02			75.00	-17.00	37.00

	Gamut Messwerte							
Feld	Lab L*	Lab a*	Lab b*			RGB R	RGB G	RGB B
C1	59.54	63.43	41.92			255	0	0
C2	71.53	-64.33	51.16			0	255	0
C3	35.57	13.47	-57.25			0	0	255
C4	76.48	-41.28	-14.41			0	255	255
C5	61.30	59.10	-16.47			255	0	255
C6	92.24	-14.11	90.83			255	255	0
C7	97.05	1.41	-3.40			255	255	255
C8	59.25	-7.02	8.73			131	141	118
C9	29.88	0.59	-39.02			23	64	125
C10	41.55	36.21	-38.07			119	28	191
C11	56.57	-10.27	-49.64			57	139	224
C12	49.64	-42.49	37.39			64	132	20
C13	69.83	-66.71	22.50			33	207	115
C14	59.81	60.70	6.98			228	61	128
C15	35.89	45.83	8.76			126	26	59
C16	65.79	33.90	-29.55			190	128	232
C17	81.59	9.27	33.15			228	197	133
C18	73.67	34.77	66.28			255	154	35
C19	79.42	-49.95	67.47			147	235	39
C20	80.41	-46.36	4.93			123	235	190