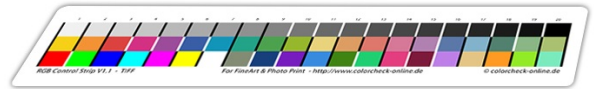


Auswertungsprotokoll RGB-Kontrollkeil

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Messung

Datei: Colorcheck_1464094311
Datum: 24.05.2016 14:51
Info: ipf1-TPM-premMat-12052016-i1D50
Messgerät: i1Pro

Digital FineArt 2010



NICHT ERFÜLLT

Farbmanagement



Mittelwert ΔE_{00} : **2.97**
Maximum ΔE_{00} : **4.36** (Feld B18)



Hohe Genauigkeit



(Digital FineArt 2010)

Graubalance



Farbabweichung Δs : **1.34** (Feld A5)
18% Grau / L^*50 : **54.4**
Farbton: Cool1 (Blau)

$\Delta s \leq 2$
 $49.9 < L^*_{A10} < 57.9$
 $\Delta C^*_{ab}: 3.7$



(Digital FineArt 2010)

Tiefenzeichnung



Minimum ΔL : **0.46**
 D_{max} : 1.53

$\Delta L \Rightarrow 1$



(Digital FineArt 2010)

Papiereigenschaften



Papierweiss Lab*: 96.0 / 2.1 / -7.3
Optische Aufheller: 19.5 (Viele)
Farbraum: 79 CCU

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

Farbmanagement

Mittelwert ΔE_{00} : **2.97**

Hohe Genauigkeit



(Digital FineArt 2010)

Maximum ΔE_{00} : **4.36** (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		83.3	3.0	73.4	-1.92	0.21	2.24	 
B2		71.7	30.7	53.5	-2.05	1.83	3.06	 
B3		53.5	55.4	28.3	-2.21	3.37	4.29	 
B4		51.9	61.5	-7.7	-1.35	0.96	2.48	 
B5		46.9	40.7	-29.5	-0.32	1.32	2.28	 
B6		42.2	5.7	-41.5	-0.47	0.64	2.17	 
B7		59.7	-20.4	-30.0	-0.25	2.23	3.31	 
B8		62.9	-36.8	2.0	-1.21	1.07	3.00	 
B9		62.5	-35.4	29.8	-1.93	0.10	2.93	 
B10		71.9	-23.3	54.2	-1.81	0.56	2.39	 
B11		84.4	0.2	39.8	-1.79	0.12	1.83	 
B12		72.2	19.3	33.9	-1.99	1.66	3.07	 
B13		64.2	38.6	18.8	-1.40	3.03	3.82	 
B14		64.3	39.0	-4.4	-0.26	2.74	3.35	 
B15		62.6	25.4	-21.9	1.08	1.86	3.08	 
B16		52.4	1.0	-32.0	0.84	0.74	2.55	 
B17		73.0	-10.3	-22.6	1.30	2.70	3.72	 
B18		53.7	-17.1	1.6	-1.91	1.38	4.36	 
B19		72.5	-20.3	15.9	-1.75	1.31	2.91	 
B20		76.5	-15.4	31.2	-2.19	0.64	2.53	 

Graubalance

Farbabweichung Δs : **1.34** (Feld A5)18% Grau / L*50: **54.4**

Farbton: Cool1 (Blau)

 $\Delta s \leq 2$ $49.9 < L^*_{A10} < 57.9$ $\Delta C^*_{ab}: 3.7$ 

(Digital FineArt 2010)

Tiefenzeichnung

Minimum ΔL :**0.46** $\Delta L \geq 1$ D_{max} :

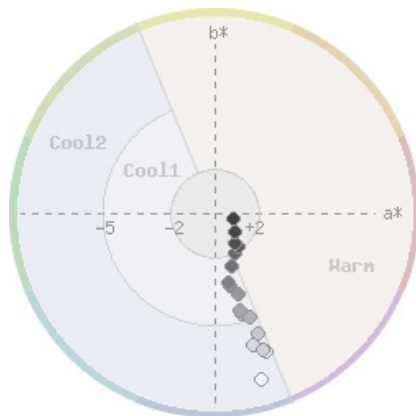
1.53

Minimum L^* :

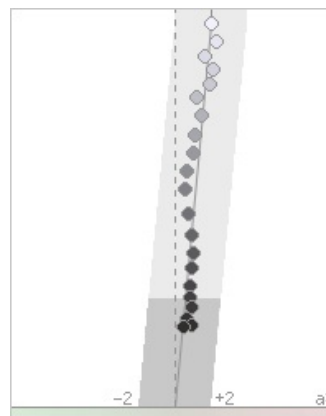
19.8



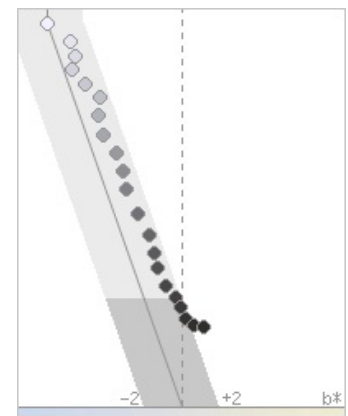
(Digital FineArt 2010)



Feld A1 - A16 / ab*-Diagramm



a*-Achse

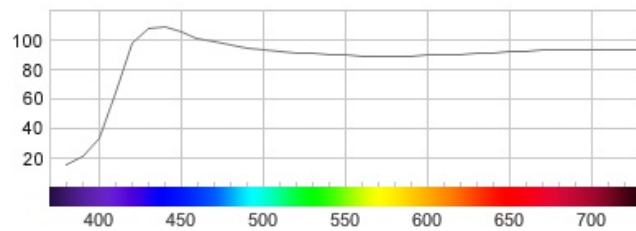


b*-Achse

Feld	Ref	Lab L*	Lab a*	Lab b*	Δs	$\Delta s \leq 2$
A1		91.6	2.3	-6.1	1.20	✓
A2		87.9	1.7	-5.8	1.14	✓
A3		84.4	2.1	-6.0	0.58	✓
A4		81.0	1.9	-5.3	0.85	✓
A5		77.6	1.2	-4.5	1.34	✓
A6		72.9	1.5	-4.6	0.79	✓
A7		68.3	1.1	-4.3	0.73	✓
A8		63.5	1.1	-3.5	1.08	✓
A9		59.1	0.7	-3.2	1.11	✓
A10		54.4	0.6	-3.0	0.90	✓
A11		48.2	0.8	-2.4	1.09	✓
A12		43.2	0.9	-1.8	1.26	✓
A13		38.6	1.1	-1.5	1.24	✓
A14		34.6	0.9	-1.3	1.01	✓
A15		30.3	0.9	-0.9	1.11	✓
A16		27.5	0.8	-0.3	1.32	✓
Feld	Ref	Lab L*	Lab a*	Lab b*	Helligkeitsunterschied ΔL zum vorherigen Feld	$\Delta L \geq 1$
A17		24.8	1.0	-0.0	2.73	✓
A18		22.1	0.7	0.3	2.71	✓
A19		20.2	0.9	0.6	1.85	✓
A20		19.8	0.5	1.2	0.46	✗

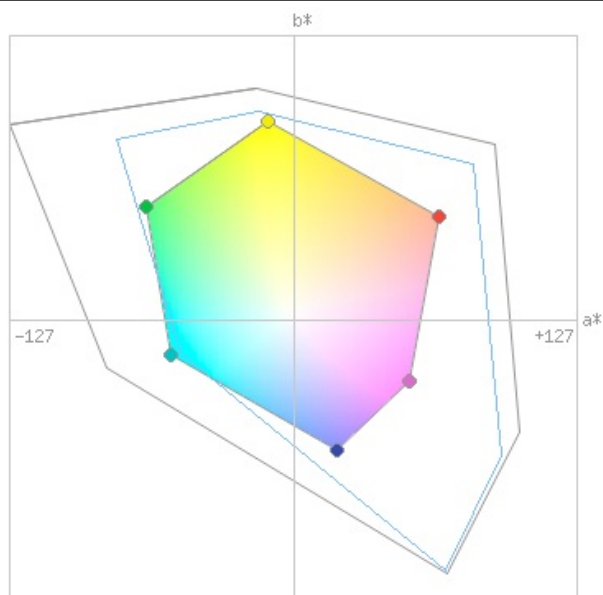
Papiereigenschaften

Papierweiss Lab*: 96.0 / 2.1 / -7.3 D50/2° (ISO 5631-3)
Optische Aufheller: 19.5 (Viele) Angabe nur korrekt wenn ohne UV-Filter gemessen wurde
CIE Whiteness: 121 D65/10° (ISO 11475)



Farbraum

Grösse: 79 CCU CCU = Cubic Colorcheck Units



Vergleich mit AdobeRGB (33%) sRGB (46%)

	Messwerte				Referenz		
Feld	Lab L*	Lab a*	Lab b*		Lab L*	Lab a*	Lab b*
A1	91.59	2.29	-6.08		95.00	2.05	-7.26
A2	87.90	1.66	-5.77		90.00	1.94	-6.88
A3	84.42	2.10	-5.98		85.00	1.83	-6.49
A4	81.03	1.93	-5.29		80.00	1.72	-6.11
A5	77.64	1.18	-4.46		75.00	1.62	-5.73
A6	72.85	1.52	-4.56		70.00	1.51	-5.35
A7	68.30	1.08	-4.31		65.00	1.40	-4.97
A8	63.46	1.06	-3.53		60.00	1.29	-4.58
A9	59.12	0.72	-3.20		55.00	1.19	-4.20
A10	54.39	0.62	-3.04		50.00	1.08	-3.82
A11	48.20	0.78	-2.36		45.00	0.97	-3.44
A12	43.18	0.91	-1.80		40.00	0.86	-3.06
A13	38.63	1.07	-1.47		35.00	0.75	-2.67
A14	34.59	0.93	-1.32		30.00	0.65	-2.29
A15	30.27	0.88	-0.85		25.00	0.54	-1.91
A16	27.51	0.85	-0.28		20.00	0.43	-1.53
A17	24.77	0.96	-0.02		15.00	0.32	-1.15
A18	22.07	0.70	0.25		10.00	0.22	-0.76
A19	20.22	0.91	0.64		5.00	0.11	-0.38
A20	19.76	0.51	1.24		0.00	0.00	-0.00
B1	83.28	3.02	73.37		85.00	3.00	82.00
B2	71.74	30.70	53.47		70.00	32.00	62.00
B3	53.51	55.36	28.32		52.00	60.00	38.00
B4	51.86	61.51	-7.68		50.00	67.00	-6.00
B5	46.91	40.74	-29.46		45.00	43.00	-28.00
B6	42.18	5.67	-41.54		40.00	5.00	-43.00
B7	59.70	-20.37	-30.02		57.00	-24.00	-28.00
B8	62.94	-36.83	2.04		60.00	-40.00	4.00
B9	62.55	-35.40	29.83		60.00	-40.00	34.00
B10	71.89	-23.29	54.22		70.00	-25.00	61.00
B11	84.41	0.16	39.81		85.00	0.00	45.00
B12	72.17	19.30	33.85		70.00	20.00	40.00
B13	64.21	38.58	18.82		62.00	40.00	25.00
B14	64.25	39.03	-4.36		62.00	40.00	0.00
B15	62.57	25.38	-21.89		60.00	25.00	-18.00
B16	52.40	0.96	-31.99		50.00	0.00	-30.00
B17	72.96	-10.29	-22.62		70.00	-12.00	-18.00
B18	53.70	-17.14	1.64		50.00	-20.00	4.00
B19	72.51	-20.25	15.85		70.00	-22.00	20.00
B20	76.52	-15.36	31.23		75.00	-17.00	37.00

Gamut Messwerte								
Feld	Lab L*	Lab a*	Lab b*			RGB R	RGB G	RGB B
C1	57.21	65.14	46.02			255	0	0
C2	69.10	-66.09	50.23			0	255	0
C3	34.91	19.47	-58.51			0	0	255
C4	69.52	-55.02	-15.87			0	255	255
C5	61.87	51.77	-27.40			255	0	255
C6	91.92	-11.47	88.64			255	255	0
C7	95.97	2.07	-7.33			255	255	255
C8	60.71	-7.82	7.57			131	141	118
C9	31.48	1.51	-33.44			23	64	125
C10	39.81	36.62	-48.16			119	28	191
C11	56.54	-10.77	-53.94			57	139	224
C12	51.29	-42.12	32.08			64	132	20
C13	67.59	-70.51	29.35			33	207	115
C14	59.60	61.61	5.56			228	61	128
C15	37.26	38.61	7.46			126	26	59
C16	65.64	33.86	-34.01			190	128	232
C17	82.30	8.91	33.73			228	197	133
C18	71.59	36.45	68.57			255	154	35
C19	77.15	-51.99	66.54			147	235	39
C20	77.11	-54.37	6.25			123	235	190