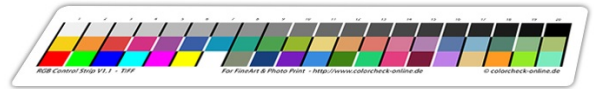


Auswertungsprotokoll RGB-Kontrollkeil

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Messung

Datei: Colorcheck_1461835764
Datum: 28.04.2016 11:29
Info: ipf1-CMSR-Spec5-27042016-i1D50
Messgerät: i1Pro

Digital FineArt 2010



ERFÜLLT

Farbmanagement



Mittelwert ΔE_{00} : **2.61**
Maximum ΔE_{00} : **5.95** (Feld B6)



Mittlere Genauigkeit



(Digital FineArt 2010)

Graubalance



Farbabweichung Δs : **0.78** (Feld A3)
18% Grau / L^*50 : **46.8**
Farbton: Neutral

$\Delta s \leq 2$
 $46 < L^*_{A10} < 54$
 $\Delta C^*_{ab}: 1.1$



(Digital FineArt 2010)

Tiefenzeichnung



Minimum ΔL : **3.20**
 D_{max} : 2.73

$\Delta L \Rightarrow 2$



(Digital FineArt 2010)

Papiereigenschaften



Papierweiss Lab*: 97.7 / -0.3 / 1.9
Optische Aufheller: 0 (Keine)
Farbraum: 117 CCU

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

Farbmanagement

Mittelwert ΔE_{00} : **2.61**Maximum ΔE_{00} : **5.95** (Feld B6)

Mittlere Genauigkeit



(Digital FineArt 2010)

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	2.5	80.5	-0.32	0.27	1.19	✓
B2		69.0	31.4	60.4	-0.42	0.13	0.91	✓
B3		47.4	59.2	36.2	-0.38	0.59	4.66	✓
B4		44.5	65.5	-5.0	-0.40	0.37	5.39	✓
B5		39.5	42.4	-26.4	-0.43	0.52	5.05	✓
B6		33.2	6.9	-42.0	-0.24	1.54	5.95	✓
B7		54.0	-23.1	-27.0	-0.52	0.02	2.89	✓
B8		57.8	-41.1	5.3	0.43	0.70	2.17	✓
B9		56.8	-40.6	33.6	0.07	0.31	2.91	✓
B10		68.5	-25.4	60.6	-0.05	0.28	1.17	✓
B11		83.8	0.1	46.4	0.45	0.05	0.89	✓
B12		69.4	19.3	40.4	0.01	0.58	0.75	✓
B13		59.5	40.0	24.8	-0.04	0.07	2.20	✓
B14		59.8	40.1	1.1	0.03	0.61	2.02	✓
B15		57.4	24.9	-17.0	-0.28	0.48	2.44	✓
B16		45.0	0.6	-29.1	-0.38	0.50	4.95	✓
B17		69.7	-12.3	-16.5	-0.45	0.83	0.97	✓
B18		46.3	-20.2	4.9	0.19	0.56	3.74	✓
B19		69.0	-22.5	20.7	0.36	0.10	0.88	✓
B20		73.6	-16.9	36.6	-0.15	0.02	1.04	✓

Graubalance

Farbabweichung Δs : **0.78** (Feld A3)18% Grau / L*50: **46.8**

Farbton: Neutral

 $\Delta s \leq 2$ $46 < L^*_{A10} < 54$ $\Delta C^*_{ab}: 1.1$ 

(Digital FineArt 2010)

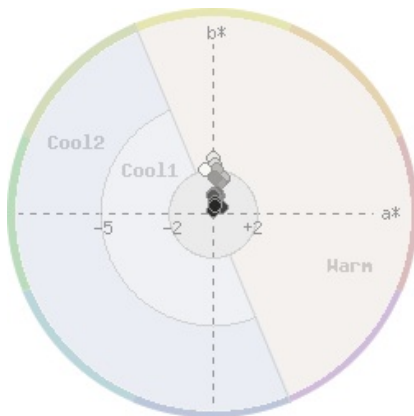
Tiefenzeichnung

Minimum ΔL : **3.20** D_{max} : 2.73

Minimum L*: 1.7

 $\Delta L \Rightarrow 2$ 

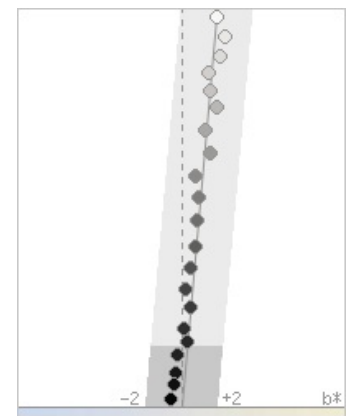
(Digital FineArt 2010)



Feld A1 - A16 / ab*-Diagramm



a*-Achse

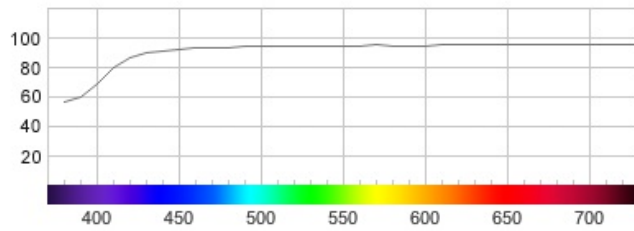


b*-Achse

Feld	Ref	Lab L*	Lab a*	Lab b*	Δs	$\Delta s \leq 2$
A1		92.6	0.0	2.4	0.66	✓
A2		87.9	0.1	2.1	0.56	✓
A3		83.6	0.5	1.5	0.78	✓
A4		79.3	0.4	1.6	0.71	✓
A5		74.9	0.2	1.9	0.64	✓
A6		69.2	0.3	1.3	0.58	✓
A7		63.7	0.1	1.6	0.48	✓
A8		57.8	0.2	0.8	0.58	✓
A9		52.4	0.2	0.9	0.39	✓
A10		46.8	0.0	0.8	0.23	✓
A11		40.0	0.1	0.8	0.24	✓
A12		34.8	0.1	0.5	0.40	✓
A13		29.2	0.4	0.2	0.69	✓
A14		24.8	0.1	0.5	0.24	✓
A15		19.7	0.0	0.1	0.36	✓
A16		16.2	0.1	0.3	0.19	✓
Feld	Ref	Lab L*	Lab a*	Lab b*	Helligkeitsunterschied ΔL zum vorherigen Feld	$\Delta L \geq 2$
A17		13.0	0.5	-0.2	3.28	✓
A18		8.6	0.4	-0.3	4.34	✓
A19		5.4	0.1	-0.4	3.20	✓
A20		1.7	-0.1	-0.6	3.76	✓

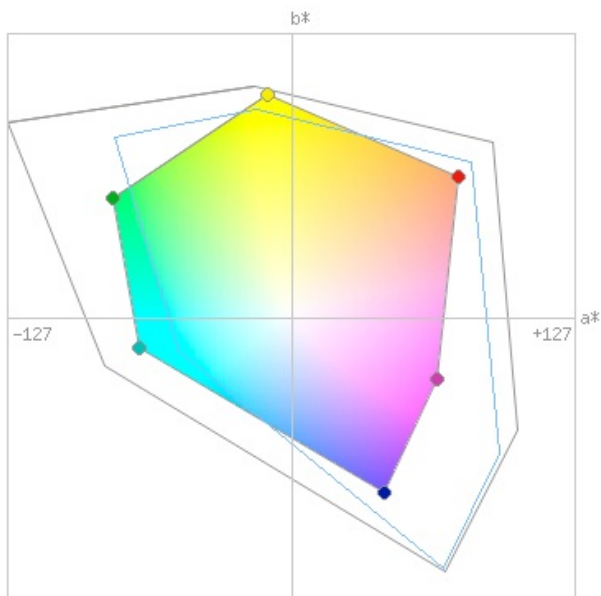
Papiereigenschaften

Papierweiss Lab*: 97.7 / -0.3 / 1.9 D50/2° (ISO 5631-3)
Optische Aufheller: 0 (Keine) Angabe nur korrekt wenn ohne UV-Filter gemessen wurde
CIE Whiteness: 84 D65/10° (ISO 11475)



Farbraum

Grösse: 117 CCU CCU = Cubic Colorcheck Units



Vergleich mit AdobeRGB (48%) sRGB (62%)

	Messwerte				Referenz			
Feld	Lab L*	Lab a*	Lab b*			Lab L*	Lab a*	Lab b*
A1	92.61	0.01	2.41			95.00	-0.33	1.84
A2	87.86	0.10	2.12			90.00	-0.31	1.75
A3	83.58	0.46	1.45			85.00	-0.30	1.65
A4	79.26	0.43	1.58			80.00	-0.28	1.55
A5	74.94	0.18	1.91			75.00	-0.26	1.46
A6	69.24	0.33	1.30			70.00	-0.24	1.36
A7	63.72	0.12	1.58			65.00	-0.23	1.26
A8	57.83	0.23	0.78			60.00	-0.21	1.16
A9	52.40	0.18	0.93			55.00	-0.19	1.07
A10	46.84	0.01	0.84			50.00	-0.17	0.97
A11	39.98	0.06	0.77			45.00	-0.16	0.87
A12	34.79	0.12	0.46			40.00	-0.14	0.78
A13	29.24	0.39	0.22			35.00	-0.12	0.68
A14	24.78	0.10	0.45			30.00	-0.10	0.58
A15	19.68	0.00	0.14			25.00	-0.09	0.49
A16	16.25	0.11	0.32			20.00	-0.07	0.39
A17	12.97	0.51	-0.19			15.00	-0.05	0.29
A18	8.63	0.42	-0.34			10.00	-0.03	0.19
A19	5.43	0.15	-0.42			5.00	-0.02	0.10
A20	1.67	-0.10	-0.56			0.00	-0.00	0.00
B1	83.32	2.48	80.52			85.00	3.00	82.00
B2	68.97	31.39	60.38			70.00	32.00	62.00
B3	47.39	59.22	36.25			52.00	60.00	38.00
B4	44.52	65.48	-4.99			50.00	67.00	-6.00
B5	39.49	42.35	-26.39			45.00	43.00	-28.00
B6	33.19	6.91	-42.03			40.00	5.00	-43.00
B7	53.97	-23.08	-26.98			57.00	-24.00	-28.00
B8	57.75	-41.09	5.28			60.00	-40.00	4.00
B9	56.79	-40.60	33.65			60.00	-40.00	34.00
B10	68.55	-25.43	60.63			70.00	-25.00	61.00
B11	83.84	0.07	46.37			85.00	0.00	45.00
B12	69.39	19.28	40.38			70.00	20.00	40.00
B13	59.47	39.96	24.85			62.00	40.00	25.00
B14	59.78	40.08	1.10			62.00	40.00	0.00
B15	57.35	24.86	-17.00			60.00	25.00	-18.00
B16	45.02	0.61	-29.10			50.00	0.00	-30.00
B17	69.70	-12.28	-16.48			70.00	-12.00	-18.00
B18	46.27	-20.20	4.85			50.00	-20.00	4.00
B19	68.98	-22.52	20.70			70.00	-22.00	20.00
B20	73.60	-16.85	36.60			75.00	-17.00	37.00

	Gamut Messwerte							
Feld	Lab L*	Lab a*	Lab b*			RGB R	RGB G	RGB B
C1	52.12	74.64	63.10			255	0	0
C2	60.66	-80.08	53.10			0	255	0
C3	21.16	41.67	-78.24			0	0	255
C4	67.38	-68.24	-13.67			0	255	255
C5	52.42	65.39	-27.34			255	0	255
C6	92.52	-10.95	99.50			255	255	0
C7	97.70	-0.34	1.90			255	255	255
C8	55.37	-9.08	11.81			131	141	118
C9	20.88	1.81	-41.81			23	64	125
C10	30.30	54.63	-55.86			119	28	191
C11	49.95	-12.37	-53.44			57	139	224
C12	44.09	-53.77	44.22			64	132	20
C13	62.76	-86.97	30.43			33	207	115
C14	54.53	70.97	9.97			228	61	128
C15	27.84	49.34	12.63			126	26	59
C16	60.65	38.10	-31.38			190	128	232
C17	81.32	8.43	40.71			228	197	133
C18	70.20	39.35	82.03			255	154	35
C19	74.07	-56.89	75.11			147	235	39
C20	76.75	-60.53	9.68			123	235	190