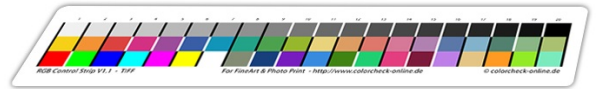


Auswertungsprotokoll RGB-Kontrollkeil

Gedruckt von

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Messung

Datei: Colorcheck_1461835936
Datum: 28.04.2016 11:32
Info: ipf1-HWT-PremMat-27042016_M0
Messgerät: i1Pro

Digital FineArt 2010



ERFÜLLT

Farbmanagement



Mittelwert ΔE_{00} : **1.53**
Maximum ΔE_{00} : **2.43** (Feld B5)



Hohe Genauigkeit



(Digital FineArt 2010)

Graubalance



Farbabweichung Δs : **0.98** (Feld A4)
18% Grau / L^*50 : **51.3**
Farbton: Neutral

$\Delta s \leq 2$
 $47.9 < L^*_{A10} < 55.9$
 $\Delta C^*_{ab}: 1.7$



(Digital FineArt 2010)

Tiefenzeichnung



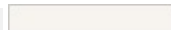
Minimum ΔL : **1.96**
 D_{max} : 1.71

$\Delta L \Rightarrow 1$



(Digital FineArt 2010)

Papiereigenschaften



Papierweiss Lab*: 96.6 / 0.3 / 2.2
Optische Aufheller: 0 (Keine)
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} : **1.53**

Hohe Genauigkeit



(Digital FineArt 2010)

Maximum ΔE_{00} : **2.43** (Feld B5)

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		83.7	3.2	76.9	-1.11	0.25	1.43	
B2		69.9	30.1	56.7	-1.39	0.50	1.48	
B3		53.3	56.2	33.6	-1.36	0.98	2.12	
B4		51.2	63.6	-4.3	-0.90	0.61	1.65	
B5		46.7	39.0	-24.3	-1.69	0.50	2.43	
B6		41.6	3.9	-38.3	-1.71	0.46	2.39	
B7		57.4	-22.1	-24.7	-1.45	0.44	1.57	
B8		60.5	-37.8	5.5	-0.72	1.09	1.37	
B9		60.0	-36.5	31.3	-1.35	0.11	1.35	
B10		69.8	-23.1	56.9	-1.17	0.09	1.18	
B11		83.7	1.1	43.9	-0.36	0.79	1.20	
B12		69.7	18.8	38.3	-0.69	0.20	0.75	
B13		62.0	38.4	23.6	-0.69	0.20	0.72	
B14		62.4	38.0	1.2	-0.73	0.69	1.06	
B15		60.1	23.3	-15.5	-1.22	0.72	1.43	
B16		50.8	-0.4	-26.1	-1.73	0.32	2.02	
B17		69.6	-11.6	-15.0	-1.27	1.09	1.71	
B18		51.5	-18.1	5.0	-1.08	1.02	2.14	
B19		69.1	-20.2	20.1	-0.60	0.84	1.25	
B20		73.8	-15.2	35.2	-0.85	0.57	1.37	

Graubalance

Farbabweichung Δs : **0.98** (Feld A4)18% Grau / L*50: **51.3**

Farbton: Neutral

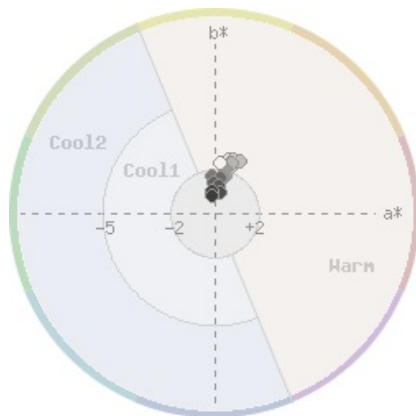
 $\Delta s \leq 2$ $47.9 < L^*_{A10} < 55.9$ $\Delta C^*_{ab}: 1.7$ 

(Digital FineArt 2010)

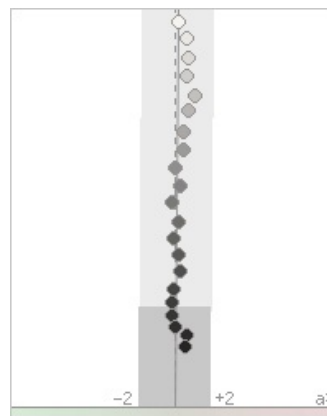
Tiefenzeichnung

Minimum ΔL : **1.96** D_{max} : 1.71Minimum L^* : 15.2 $\Delta L \Rightarrow 1$ 

(Digital FineArt 2010)



Feld A1 - A16 / ab*-Diagramm



a*-Achse

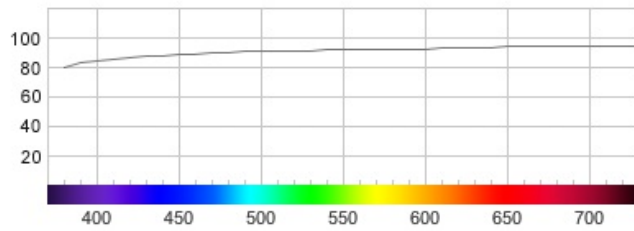


b*-Achse

Feld	Ref	Lab L*	Lab a*	Lab b*	Δs	$\Delta s \leq 2$
A1		92.2	0.6	2.3	0.43	✓
A2		87.4	0.8	2.3	0.63	✓
A3		82.7	0.6	2.0	0.43	✓
A4		78.1	1.1	2.3	0.98	✓
A5		74.2	0.7	2.2	0.71	✓
A6		68.9	0.5	1.6	0.30	✓
A7		64.3	0.5	1.9	0.53	✓
A8		59.7	0.1	1.4	0.12	✓
A9		55.4	0.3	1.5	0.34	✓
A10		51.3	-0.1	1.6	0.55	✓
A11		46.2	0.3	1.5	0.54	✓
A12		42.0	-0.0	1.3	0.42	✓
A13		38.0	0.2	1.2	0.43	✓
A14		34.0	0.3	0.9	0.30	✓
A15		29.5	-0.1	1.0	0.45	✓
A16		26.0	-0.1	0.8	0.38	✓
Feld	Ref	Lab L*	Lab a*	Lab b*	Helligkeitsunterschied ΔL zum vorherigen Feld	$\Delta L \geq 1$
A17		22.9	-0.2	1.2	3.16	✓
A18		19.9	0.1	1.3	2.97	✓
A19		17.9	0.7	1.4	1.96	✓
A20		15.2	0.6	1.6	2.70	✓

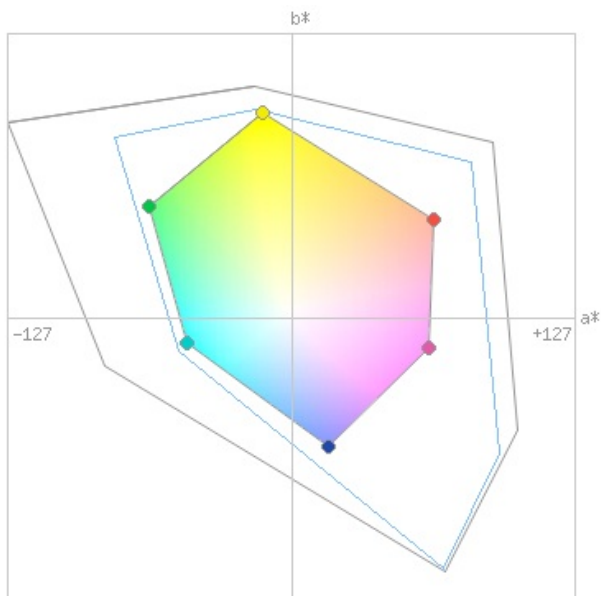
Papiereigenschaften

Papierweiss Lab*: 96.6 / 0.3 / 2.2 D50/2° (ISO 5631-3)
 Optische Aufheller: 0 (Keine) Angabe nur korrekt wenn ohne UV-Filter gemessen wurde
 CIE Whiteness: 81 D65/10° (ISO 11475)



Farbraum

Grösse: 81 CCU CCU = Cubic Colorcheck Units



Vergleich mit AdobeRGB (34%) sRGB (47%)

	Messwerte				Referenz		
Feld	Lab L*	Lab a*	Lab b*		Lab L*	Lab a*	Lab b*
A1	92.18	0.64	2.33		95.00	0.25	2.15
A2	87.35	0.80	2.32		90.00	0.24	2.04
A3	82.75	0.65	1.96		85.00	0.22	1.93
A4	78.12	1.09	2.25		80.00	0.21	1.81
A5	74.16	0.73	2.17		75.00	0.20	1.70
A6	68.93	0.48	1.60		70.00	0.18	1.59
A7	64.33	0.47	1.90		65.00	0.17	1.47
A8	59.72	0.07	1.44		60.00	0.16	1.36
A9	55.40	0.33	1.53		55.00	0.14	1.25
A10	51.29	-0.09	1.63		50.00	0.13	1.13
A11	46.17	0.27	1.54		45.00	0.12	1.02
A12	41.99	-0.04	1.30		40.00	0.10	0.91
A13	37.98	0.18	1.21		35.00	0.09	0.79
A14	34.02	0.27	0.91		30.00	0.08	0.68
A15	29.46	-0.07	1.00		25.00	0.07	0.57
A16	26.02	-0.12	0.79		20.00	0.05	0.45
A17	22.86	-0.18	1.20		15.00	0.04	0.34
A18	19.88	0.08	1.30		10.00	0.03	0.23
A19	17.92	0.67	1.42		5.00	0.01	0.11
A20	15.22	0.61	1.58		0.00	0.00	0.00
B1	83.70	3.22	76.88		85.00	3.00	82.00
B2	69.91	30.13	56.69		70.00	32.00	62.00
B3	53.33	56.21	33.58		52.00	60.00	38.00
B4	51.25	63.56	-4.28		50.00	67.00	-6.00
B5	46.74	38.98	-24.32		45.00	43.00	-28.00
B6	41.56	3.87	-38.25		40.00	5.00	-43.00
B7	57.42	-22.12	-24.66		57.00	-24.00	-28.00
B8	60.48	-37.82	5.52		60.00	-40.00	4.00
B9	60.02	-36.51	31.30		60.00	-40.00	34.00
B10	69.85	-23.13	56.86		70.00	-25.00	61.00
B11	83.74	1.09	43.90		85.00	0.00	45.00
B12	69.71	18.84	38.29		70.00	20.00	40.00
B13	61.96	38.36	23.62		62.00	40.00	25.00
B14	62.38	37.97	1.19		62.00	40.00	0.00
B15	60.12	23.29	-15.48		60.00	25.00	-18.00
B16	50.76	-0.36	-26.07		50.00	0.00	-30.00
B17	69.63	-11.60	-15.00		70.00	-12.00	-18.00
B18	51.54	-18.06	5.01		50.00	-20.00	4.00
B19	69.11	-20.16	20.08		70.00	-22.00	20.00
B20	73.76	-15.23	35.20		75.00	-17.00	37.00

Gamut Messwerte								
Feld	Lab L*	Lab a*	Lab b*			RGB R	RGB G	RGB B
C1	58.68	63.75	43.89			255	0	0
C2	70.40	-63.94	49.55			0	255	0
C3	33.13	16.24	-58.05			0	0	255
C4	75.10	-46.61	-11.68			0	255	255
C5	59.26	61.42	-13.78			255	0	255
C6	91.85	-12.76	91.84			255	255	0
C7	96.61	0.25	2.19			255	255	255
C8	57.74	-8.67	11.56			131	141	118
C9	29.39	0.38	-36.81			23	64	125
C10	39.94	37.03	-37.02			119	28	191
C11	54.26	-13.00	-50.18			57	139	224
C12	49.82	-39.05	33.70			64	132	20
C13	67.89	-68.73	24.51			33	207	115
C14	58.86	62.02	10.32			228	61	128
C15	36.28	43.85	10.96			126	26	59
C16	64.45	34.47	-27.20			190	128	232
C17	81.24	8.79	38.79			228	197	133
C18	73.45	34.52	67.47			255	154	35
C19	78.33	-49.16	66.28			147	235	39
C20	78.46	-51.36	8.59			123	235	190