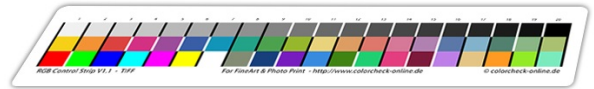


Auswertungsprotokoll RGB-Kontrollkeil

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Messung

Datei: Colorcheck_1464094252
Datum: 24.05.2016 14:50
Info: ipf1-HGB-Spec5-12052016_M0
Messgerät: i1Pro

Digital FineArt 2010



ERFÜLLT

Farbmanagement



Mittelwert ΔE_{00} : **1.97**
Maximum ΔE_{00} : **2.90** (Feld B16)



Hohe Genauigkeit



(Digital FineArt 2010)

Graubalance



Farbabweichung Δs : **0.84** (Feld A3)
18% Grau / L^*50 : **48.0**
Farbton: Neutral

$\Delta s \leq 2$
 $46 < L^*_{A10} < 54$
 $\Delta C^*_{ab}: 1.6$



(Digital FineArt 2010)

Tiefenzeichnung



Minimum ΔL : **3.84**
 D_{max} : 2.79

$\Delta L \Rightarrow 2$



(Digital FineArt 2010)

Papiereigenschaften



Papierweiss Lab*: 97.5 / 0.4 / -2.8
Optische Aufheller: 8.0 (Wenig)
Farbraum: 108 CCU

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

Farbmanagement

Mittelwert ΔE_{00} : **1.97**

Hohe Genauigkeit



(Digital FineArt 2010)

Maximum ΔE_{00} : **2.90** (Feld B16)

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		83.4	2.9	77.6	-0.97	0.03	1.42	
B2		68.5	31.6	57.8	-0.95	1.00	1.78	
B3		50.9	59.8	35.1	-0.41	1.29	1.75	
B4		48.4	66.3	-7.4	-0.14	0.62	1.72	
B5		43.6	42.5	-28.9	0.01	0.55	1.46	
B6		37.5	6.2	-44.7	0.60	0.70	2.29	
B7		55.0	-22.6	-29.5	0.11	1.11	2.14	
B8		58.1	-40.4	2.2	0.10	1.10	2.02	
B9		58.4	-40.6	30.3	-0.54	1.57	2.17	
B10		68.7	-26.5	57.0	-0.78	1.54	2.00	
B11		83.7	-0.2	41.6	-1.16	0.14	1.46	
B12		68.6	19.9	37.3	-0.82	0.84	1.61	
B13		60.1	40.2	21.8	-0.45	1.84	2.52	
B14		60.1	40.6	-2.2	0.24	1.37	2.18	
B15		58.0	25.5	-20.0	0.65	0.84	2.05	
B16		47.2	0.9	-31.3	0.56	0.69	2.90	
B17		68.5	-11.4	-19.2	0.24	0.81	1.46	
B18		47.9	-20.3	2.3	0.11	1.20	2.41	
B19		67.6	-22.1	17.8	-0.55	1.13	2.24	
B20		73.0	-16.6	34.2	-0.96	0.55	1.86	

Graubalance

Farbabweichung Δs : **0.84** (Feld A3)18% Grau / L*50: **48.0**

Farbton: Neutral

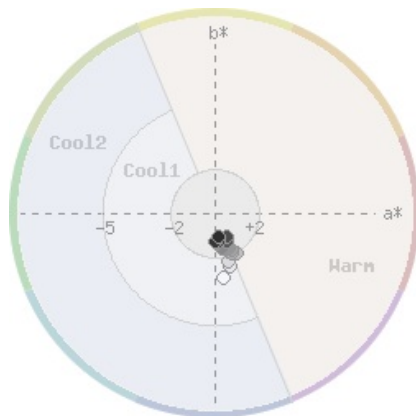
 $\Delta s \leq 2$ $46 < L^*_{A10} < 54$ $\Delta C^*_{ab}: 1.6$ 

(Digital FineArt 2010)

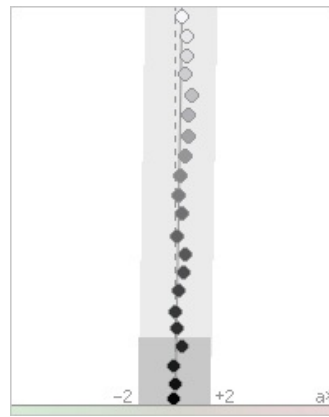
Tiefenzeichnung

Minimum ΔL : **3.84** D_{max} : 2.79Minimum L^* : 1.5 $\Delta L \Rightarrow 2$ 

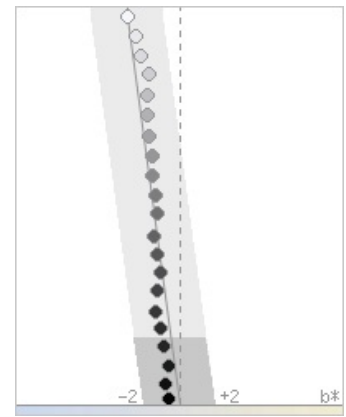
(Digital FineArt 2010)



Feld A1 - A16 / ab*-Diagramm



a*-Achse

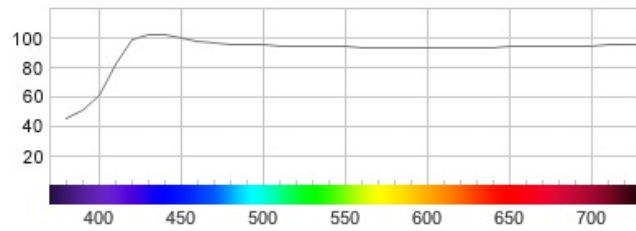


b*-Achse

Feld	Ref	Lab L*	Lab a*	Lab b*	Δs	$\Delta s \leq 2$
A1		92.4	0.7	-2.4	0.48	✓
A2		87.5	0.6	-2.1	0.57	✓
A3		82.8	0.6	-1.7	0.84	✓
A4		77.7	1.0	-1.8	0.83	✓
A5		72.6	0.8	-1.8	0.62	✓
A6		67.3	0.7	-1.7	0.59	✓
A7		62.5	0.6	-1.5	0.51	✓
A8		57.4	0.3	-1.5	0.23	✓
A9		52.6	0.2	-1.3	0.31	✓
A10		48.0	0.4	-1.2	0.32	✓
A11		42.2	0.1	-1.4	0.08	✓
A12		37.5	0.5	-1.2	0.38	✓
A13		33.0	0.5	-1.0	0.36	✓
A14		28.8	0.2	-1.2	0.37	✓
A15		23.1	0.1	-1.3	0.57	✓
A16		19.1	0.2	-1.1	0.49	✓
Feld	Ref	Lab L*	Lab a*	Lab b*	Helligkeitsunterschied ΔL zum vorherigen Feld	$\Delta L \geq 2$
A17		14.6	0.4	-0.9	4.51	✓
A18		9.8	-0.1	-0.6	4.77	✓
A19		5.3	0.1	-0.7	4.54	✓
A20		1.5	-0.1	-0.6	3.84	✓

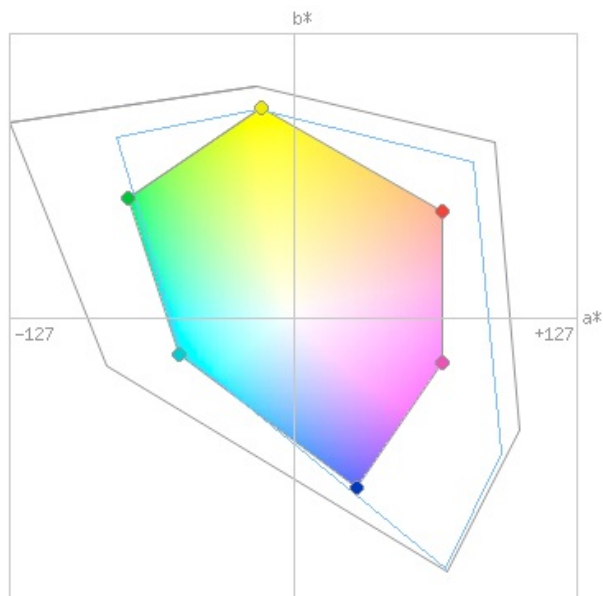
Papiereigenschaften

Papierweiss Lab*: 97.5 / 0.4 / -2.8 D50/2° (ISO 5631-3)
Optische Aufheller: 8.0 (Wenig) Angabe nur korrekt wenn ohne UV-Filter gemessen wurde
CIE Whiteness: 106 D65/10° (ISO 11475)



Farbraum

Grösse: 108 CCU CCU = Cubic Colorcheck Units



Vergleich mit AdobeRGB (44%) sRGB (59%)

	Messwerte				Referenz		
Feld	Lab L*	Lab a*	Lab b*		Lab L*	Lab a*	Lab b*
A1	92.35	0.67	-2.37		95.00	0.40	-2.76
A2	87.47	0.65	-2.11		90.00	0.38	-2.61
A3	82.77	0.62	-1.67		85.00	0.36	-2.47
A4	77.73	0.98	-1.80		80.00	0.34	-2.32
A5	72.59	0.78	-1.77		75.00	0.32	-2.18
A6	67.28	0.74	-1.65		70.00	0.30	-2.03
A7	62.48	0.62	-1.52		65.00	0.27	-1.89
A8	57.43	0.34	-1.52		60.00	0.25	-1.74
A9	52.60	0.19	-1.29		55.00	0.23	-1.60
A10	47.95	0.42	-1.20		50.00	0.21	-1.45
A11	42.21	0.13	-1.35		45.00	0.19	-1.31
A12	37.49	0.54	-1.22		40.00	0.17	-1.16
A13	33.03	0.51	-1.04		35.00	0.15	-1.02
A14	28.78	0.18	-1.24		30.00	0.13	-0.87
A15	23.11	0.07	-1.29		25.00	0.11	-0.73
A16	19.13	0.17	-1.07		20.00	0.08	-0.58
A17	14.62	0.44	-0.85		15.00	0.06	-0.44
A18	9.85	-0.08	-0.56		10.00	0.04	-0.29
A19	5.31	0.08	-0.73		5.00	0.02	-0.15
A20	1.47	-0.07	-0.63		0.00	0.00	-0.00
B1	83.42	2.89	77.56		85.00	3.00	82.00
B2	68.55	31.61	57.83		70.00	32.00	62.00
B3	50.88	59.79	35.10		52.00	60.00	38.00
B4	48.40	66.31	-7.42		50.00	67.00	-6.00
B5	43.55	42.46	-28.90		45.00	43.00	-28.00
B6	37.48	6.16	-44.67		40.00	5.00	-43.00
B7	55.04	-22.61	-29.55		57.00	-24.00	-28.00
B8	58.10	-40.42	2.24		60.00	-40.00	4.00
B9	58.44	-40.61	30.33		60.00	-40.00	34.00
B10	68.70	-26.51	57.03		70.00	-25.00	61.00
B11	83.69	-0.19	41.57		85.00	0.00	45.00
B12	68.60	19.92	37.31		70.00	20.00	40.00
B13	60.09	40.22	21.81		62.00	40.00	25.00
B14	60.06	40.60	-2.22		62.00	40.00	0.00
B15	58.03	25.52	-19.99		60.00	25.00	-18.00
B16	47.17	0.88	-31.32		50.00	0.00	-30.00
B17	68.47	-11.44	-19.16		70.00	-12.00	-18.00
B18	47.91	-20.35	2.34		50.00	-20.00	4.00
B19	67.64	-22.12	17.76		70.00	-22.00	20.00
B20	72.96	-16.65	34.23		75.00	-17.00	37.00

	Gamut Messwerte							
Feld	Lab L*	Lab a*	Lab b*			RGB R	RGB G	RGB B
C1	57.13	66.87	47.28			255	0	0
C2	69.01	-74.40	53.20			0	255	0
C3	29.28	28.36	-76.53			0	0	255
C4	74.74	-51.18	-16.29			0	255	255
C5	60.00	66.64	-20.36			255	0	255
C6	91.48	-14.49	94.31			255	255	0
C7	97.45	0.41	-2.83			255	255	255
C8	55.52	-9.01	9.52			131	141	118
C9	24.26	1.56	-44.98			23	64	125
C10	36.08	53.96	-55.25			119	28	191
C11	51.81	-11.81	-56.34			57	139	224
C12	47.61	-56.02	48.91			64	132	20
C13	67.43	-83.37	25.21			33	207	115
C14	56.91	67.31	8.37			228	61	128
C15	31.57	51.77	12.78			126	26	59
C16	62.75	37.81	-33.10			190	128	232
C17	80.93	8.69	36.35			228	197	133
C18	71.47	35.09	67.76			255	154	35
C19	77.78	-54.42	68.21			147	235	39
C20	78.44	-56.85	5.16			123	235	190