

Dienstleister

fapfab Bildproduktion
 jankowsky@fapfab.de

jam fineartprint
 Andreas Jankowsky
 Bassermannweg 22
 12207 Berlin

Messung

Datei: Colorcheck_1327677765.txt
 Datum: 27.01.2012 16:22
 Info: jamHWT-01
 Messgerät: i1Pro
 Messbedingung: Spectral => D50/2°

Toleranz



Digital FineArt 2010 - Erfüllt

Colorcheck_1327677765 27.01.2012 16:22 / jamHWT-01			
QUICKCHECK / Digital FineArt 2010			
Farbmanagement			
Mittelwert ΔE_{00} :	1.80	Hohe Genauigkeit	(Digital FineArt 2010)
Maximal ΔE_{00} :	2.57 (Feld B5)		
Graubalance			
Max. Abweichung Δs :	1.57 (Feld A2)	$\Delta s \leq 2$	(Digital FineArt 2010)
Farbton:	Neutral	$\text{Ø}C^* : 1.6$	
Tiefenzeichnung			
Tiefenzeichnung ΔL :	1.01	$\Delta L \geq 1$	(Digital FineArt 2010)
D_{max} :	1.61		
Papiereigenschaften			
Papierweiss Lab*:	96.5 / 0.3 / 1.5	D50/2° (ISO 5631-3)	
Farbraum:	80 CCU	CCU = Cubic Colorcheck Units	

Farbmanagement

Mittelwert ΔE_{00} : **1.80**


Hohe Genauigkeit



(Digital FineArt 2010)

Maximal ΔE_{00} : **2.57** (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		82.8	3.9	76.0	-1.31	0.69	2.09	✓
B2		69.1	30.3	56.4	-1.43	0.70	1.75	✓
B3		52.2	55.3	33.9	-1.52	0.58	1.63	✓
B4		50.3	61.8	-4.0	-1.37	0.66	1.55	✓
B5		46.1	37.2	-23.6	-2.30	0.32	2.57	✓
B6		41.1	4.3	-37.3	-2.04	0.04	2.26	✓
B7		56.8	-21.7	-23.8	-1.81	0.60	1.93	✓
B8		59.1	-36.2	4.8	-1.34	0.76	1.75	✓
B9		59.0	-35.8	30.9	-1.62	0.20	1.86	✓
B10		68.7	-23.5	56.9	-1.13	0.11	1.54	✓
B11		82.9	0.7	43.4	-0.52	0.49	1.59	✓
B12		68.7	18.4	37.7	-0.93	0.27	1.42	✓
B13		60.9	37.2	23.3	-1.07	0.05	1.41	✓
B14		61.2	37.9	1.3	-0.74	0.74	1.27	✓
B15		59.1	23.0	-15.4	-1.32	0.65	1.69	✓
B16		49.9	-0.2	-25.6	-1.97	0.16	2.04	✓
B17		68.5	-11.9	-15.0	-1.13	1.26	2.04	✓
B18		50.2	-17.6	4.5	-1.43	0.75	1.62	✓
B19		67.8	-20.8	19.3	-0.62	0.21	1.84	✓
B20		72.4	-15.7	34.7	-0.96	0.14	2.14	✓

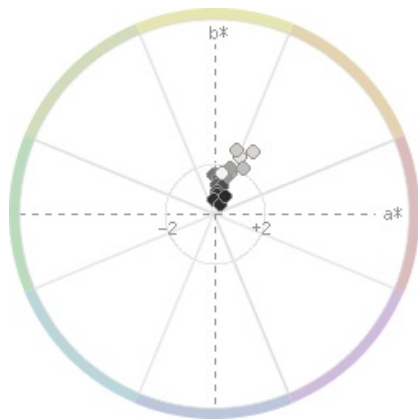
Graubalance 

Max. Abweichung Δs : **1.57** (Feld A2) $\Delta s \leq 2$
 Farbton: Neutral $\varnothing C^*$: 1.6

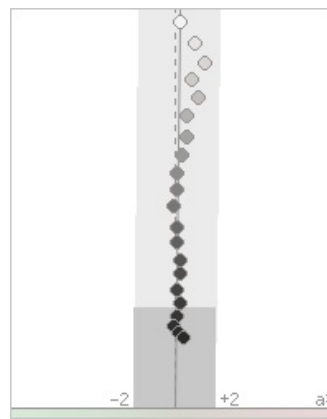


Tiefenzeichnung 

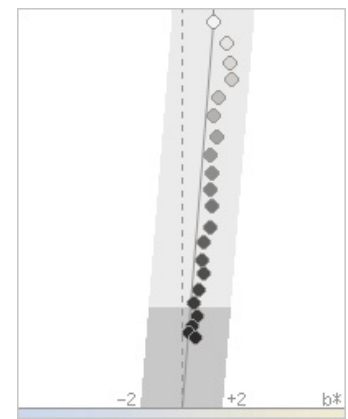
Tiefenzeichnung ΔL : **1.01** $\Delta L \geq 1$
 D_{max} : 1.61
 Minimal L^* : 17.7



Feld A1 - A20 / ab*-Diagramm



a*-Achse

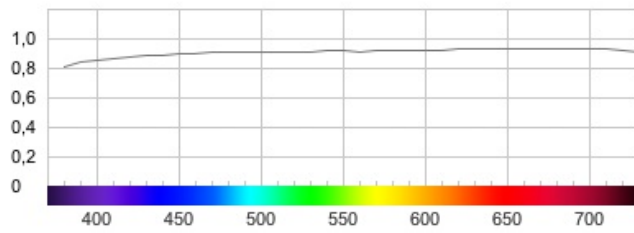


b*-Achse

Feld	Ref	Lab L^*	Lab a^*	Lab b^*	Relativer Farbstich Δs	$\Delta s \leq 2$
A1		91.1	1.0	2.2	0.98	✓
A2		86.3	1.5	2.4	1.57	✓
A3		82.1	0.8	2.5	1.26	✓
A4		77.5	1.1	1.8	1.02	✓
A5		73.0	0.6	1.5	0.52	✓
A6		67.6	0.6	1.7	0.73	✓
A7		63.3	0.4	1.4	0.40	✓
A8		58.8	0.2	1.5	0.55	✓
A9		54.5	0.1	1.4	0.52	✓
A10		50.4	-0.0	1.5	0.72	✓
A11		45.3	0.1	1.4	0.66	✓
A12		41.3	0.1	1.1	0.47	✓
A13		37.0	0.2	1.0	0.47	✓
A14		33.5	0.3	1.1	0.63	✓
A15		29.3	0.1	0.9	0.45	✓
A16		26.0	0.3	0.6	0.39	✓
Feld	Ref	Lab L^*	Lab a^*	Lab b^*	Helligkeitsunterschied ΔL zum vorherigen Feld	$\Delta L \geq 1$
A17		23.0	0.1	0.7	2.92	✓
A18		20.3	-0.0	0.5	2.74	✓
A19		18.7	0.2	0.4	1.60	✓
A20		17.7	0.4	0.7	1.01	✓

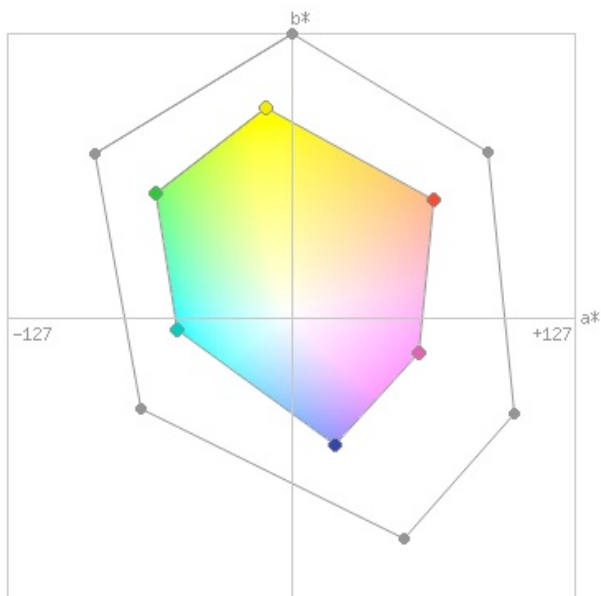
Papiereigenschaften

Papierweiss Lab*: 96.5 / 0.3 / 1.5 D50/2° (ISO 5631-3)
CIE Whiteness: 84 D65/10° (ISO 11475)
Optische Aufheller: Aufhellerfrei (Angabe nur korrekt wenn ohne UV-Filter gemessen wurde)











































Farbraum

Grösse: 80 CCU CCU = Cubic Colorcheck Units



Vergleich mit ICCv4 PRMG (Perceptual Reference Medium Gamut)

Feld	Messwerte			Referenz			
	Lab L*	Lab a*	Lab b*	Lab L*	Lab a*	Lab b*	
A1	91.11	0.98	2.21		91.11	0.28	1.52
A2	86.33	1.51	2.39		86.33	0.27	1.44
A3	82.09	0.84	2.48		82.09	0.25	1.36
A4	77.48	1.13	1.78		77.48	0.24	1.28
A5	72.98	0.62	1.54		72.98	0.22	1.20
A6	67.60	0.59	1.74		67.60	0.21	1.12
A7	63.34	0.38	1.39		63.34	0.19	1.04
A8	58.76	0.16	1.50		58.76	0.18	0.96
A9	54.48	0.13	1.40		54.48	0.16	0.88
A10	50.35	-0.02	1.50		50.35	0.15	0.80
A11	45.26	0.13	1.37		45.26	0.13	0.72
A12	41.27	0.08	1.10		41.27	0.12	0.64
A13	37.03	0.24	1.01		37.03	0.10	0.56
A14	33.50	0.26	1.09		33.50	0.09	0.48
A15	29.33	0.09	0.85		29.33	0.07	0.40
A16	25.96	0.31	0.62		25.96	0.06	0.32
A17	23.04	0.10	0.72		23.04	0.04	0.24
A18	20.30	-0.02	0.51		20.30	0.03	0.16
A19	18.70	0.21	0.38		18.70	0.01	0.08
A20	17.68	0.42	0.70		17.68	0.00	0.00
B1	82.79	3.91	75.97		85.00	3.00	82.00
B2	69.07	30.32	56.40		70.00	32.00	62.00
B3	52.19	55.33	33.86		52.00	60.00	38.00
B4	50.30	61.78	-4.04		50.00	67.00	-6.00
B5	46.14	37.23	-23.58		45.00	43.00	-28.00
B6	41.06	4.29	-37.30		40.00	5.00	-43.00
B7	56.78	-21.73	-23.82		57.00	-24.00	-28.00
B8	59.07	-36.24	4.79		60.00	-40.00	4.00
B9	58.99	-35.76	30.90		60.00	-40.00	34.00
B10	68.67	-23.52	56.88		70.00	-25.00	61.00
B11	82.87	0.68	43.43		85.00	0.00	45.00
B12	68.67	18.45	37.70		70.00	20.00	40.00
B13	60.93	37.21	23.34		62.00	40.00	25.00
B14	61.16	37.95	1.28		62.00	40.00	0.00
B15	59.08	23.05	-15.43		60.00	25.00	-18.00
B16	49.92	-0.18	-25.56		50.00	0.00	-30.00
B17	68.55	-11.89	-15.04		70.00	-12.00	-18.00
B18	50.20	-17.59	4.53		50.00	-20.00	4.00
B19	67.81	-20.75	19.30		70.00	-22.00	20.00
B20	72.43	-15.70	34.68		75.00	-17.00	37.00

Gamut Messwerte								
Feld	Lab L*	Lab a*	Lab b*			RGB R	RGB G	RGB B
C1	58.25	63.45	52.53			255	0	0
C2	71.63	-60.62	55.71			0	255	0
C3	33.74	19.36	-57.27			0	0	255
C4	75.03	-51.24	-5.81			0	255	255
C5	61.08	57.18	-15.77			255	0	255
C6	91.66	-11.73	94.17			255	255	0
C7	96.55	0.29	1.54			255	255	255
C8	56.54	-8.40	11.41			131	141	118
C9	29.77	0.59	-35.23			23	64	125
C10	38.38	35.80	-43.73			119	28	191
C11	52.95	-9.97	-50.99			57	139	224
C12	51.05	-42.34	32.18			64	132	20
C13	66.90	-67.52	32.09			33	207	115
C14	57.92	63.06	10.49			228	61	128
C15	36.74	41.33	10.22			126	26	59
C16	62.13	37.13	-27.41			190	128	232
C17	80.22	9.51	39.60			228	197	133
C18	72.17	36.88	70.91			255	154	35
C19	76.81	-50.23	66.79			147	235	39
C20	77.05	-52.82	10.74			123	235	190