Analysis report RGB-control-strip

ColorCheck Online
www.colorcheck-online.com

Printed by

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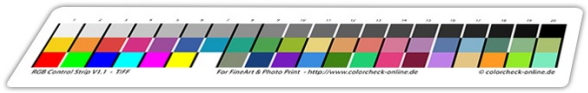

Measurement

File:	Colorcheck_1391855913
Date:	2014-02-08 11:38
Info:	Paper-MPWB-Profile-IGFS-E4900-HDR-PK-PGPP-1440-201
Device:	i1Pro

Workflow - WF221

Printer:	Epson Stylus Pro 4900
Ink type:	Ultrachrome HDR
Paper:	IGFS
Charge no.:	xxx
ICC profile:	IGFS-E4900-HDR-PK-PGPP-1440-20140202-V01
Media type:	PGPP
Settings:	PGPP, Q

Digital FineArt 2010

DIGITAL FINEART 2010 VERIFIED PRINT

PASSED

Colormanagement

Average ΔE_{00}:	**0.69**	High accuracy level	(Digital FineArt 2010)
Maximum ΔE_{00}:	**1.12** (Field B16)		

Grey balance

Color fault Δs:	**1.13** (Field A14)	Δs <= 2	(Digital FineArt 2010)
18% Grey / L*50:	**49.8**	46 < L^*_{A10} < 54	
Color tone:	Neutral	ØC*$_{ab}$: 1.4	

Shadow details

Minimum ΔL:	**3.87**	ΔL => 2	(Digital FineArt 2010)
D_{max}:	2.44		

Paper characteristic

Paper white Lab*:	99.8 / -0.1 / -1.8	D50/2° (ISO 5631-3)
OBA Content:	4.1 (Low)	Only correct for NON UV-cut measurement devices
Gamut:	128 CCU	CCU = Cubic Colorcheck Units

Colorcheck_1391855913 2014-02-08 11:38 / Paper-MPWB-Profile-IGFS-E4900-HDR-PK-PGPP-1440-201

WF221 / Epson Stylus Pro 4900 / Ultrachrome HDR / IGFS Charge xxx

IGFS-E4900-HDR-PK-PGPP-1440-20140202-V01 / PGPP / PGPP, Q

Colormanagement

Average ΔE_{00}: **0.69**

Maximum ΔE_{00}: **1.12** (Field B16)

High accuracy level

(Digital FineArt 2010)

Field	Ref	Lab L*	Lab a*	Lab b*	Difference in Saturation ΔC'	Difference in Hue ΔH'	Color difference ΔE_{00}	ΔE_{00} <= 6
B1		85.0	2.2	79.7	-0.51	0.44	**0.67**	✓
B2		70.0	31.1	59.9	-0.56	0.10	**0.57**	✓
B3		51.9	59.0	36.2	-0.43	0.56	**0.71**	✓
B4		50.4	67.2	-8.2	0.11	0.88	**0.97**	✓
B5		44.7	42.2	-29.0	-0.04	0.69	**0.74**	✓
B6		39.1	5.6	-44.3	0.46	0.35	**0.92**	✓
B7		56.4	-24.1	-29.2	0.37	0.38	**0.75**	✓
B8		59.7	-40.3	3.5	0.09	0.34	**0.43**	✓
B9		59.8	-40.4	34.8	0.25	0.16	**0.34**	✓
B10		70.0	-25.6	60.9	0.03	0.33	**0.33**	✓
B11		85.5	-0.0	43.8	-0.41	0.00	**0.53**	✓
B12		69.8	20.1	40.3	0.11	0.04	**0.22**	✓
B13		61.4	39.9	24.8	-0.06	0.07	**0.48**	✓
B14		61.7	40.1	-1.4	0.03	0.87	**0.92**	✓
B15		59.5	25.3	-19.8	0.54	0.82	**1.08**	✓
B16		49.2	-0.5	-31.9	0.78	0.40	**1.12**	✓
B17		69.6	-12.1	-20.0	0.79	0.74	**1.11**	✓
B18		50.0	-20.2	3.0	0.06	0.72	**0.72**	✓
B19		69.6	-22.8	19.5	0.11	0.56	**0.65**	✓
B20		74.6	-17.9	37.8	0.39	0.30	**0.56**	✓

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WF221 / Epson Stylus Pro 4900 / Ultrachrome HDR / IGFS Charge xxx

IGFS-E4900-HDR-PK-PGPP-1440-20140202-V01 / PGPP / PGPP, Q

Grey balance

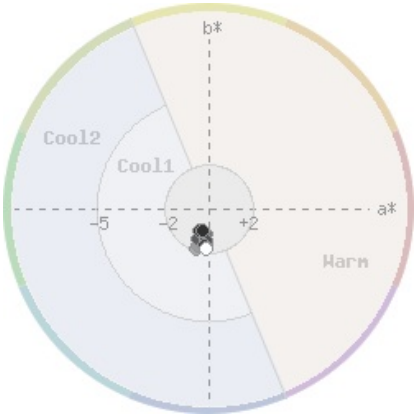
Color fault Δs:	**1.13** (Field A14)	Δs <= 2
18% Grey / L*50:	**49.8**	46 < L^*_{A10} < 54
Color tone:	Neutral	ØC^*_{ab}: 1.4

(Digital FineArt 2010)

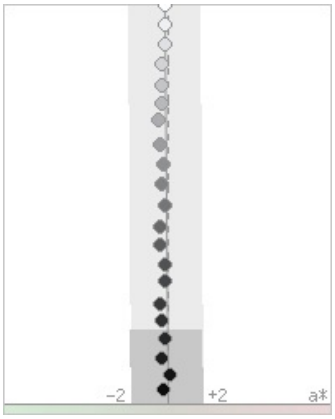
Shadow details

Minimum ΔL:	**3.87**	ΔL => 2
D_{max}:	2.44	
Minimum L*:	3.3	

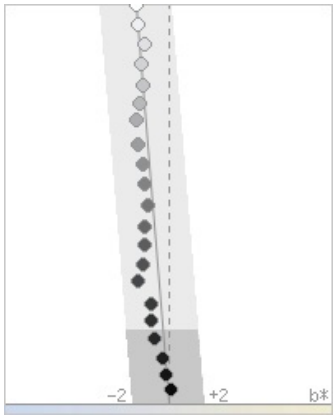
(Digital FineArt 2010)



Field A1 - A16 / ab*-plot



a*-axis



b*-axis

Field	Ref	Lab L*	Lab a*	Lab b*	Δs	Δs <= 2
A1		94.9	-0.1	-1.6	**0.05**	✓
A2		89.8	-0.2	-1.3	**0.24**	✓
A3		84.8	-0.3	-1.5	**0.18**	✓
A4		79.7	-0.3	-1.4	**0.23**	✓
A5		75.2	-0.3	-1.5	**0.32**	✓
A6		70.8	-0.5	-1.8	**0.69**	✓
A7		65.0	-0.4	-1.6	**0.62**	✓
A8		59.9	-0.2	-1.4	**0.38**	✓
A9		55.0	-0.3	-1.3	**0.41**	✓
A10		49.8	-0.1	-1.1	**0.27**	✓
A11		44.2	-0.4	-1.3	**0.59**	✓
A12		39.8	-0.4	-1.3	**0.74**	✓
A13		34.8	-0.1	-1.4	**0.80**	✓
A14		30.5	-0.2	-1.6	**1.13**	✓
A15		25.1	-0.4	-1.0	**0.65**	✓
A16		20.7	-0.3	-0.9	**0.65**	✓
Field	Ref	Lab L*	Lab a*	Lab b*	Difference in brightness ΔL compared to previous field	ΔL >= 2
A17		16.2	-0.2	-0.8	**4.49**	✓
A18		11.4	-0.3	-0.3	**4.77**	✓
A19		7.2	0.1	-0.1	**4.28**	✓
A20		3.3	-0.2	0.1	**3.87**	✓

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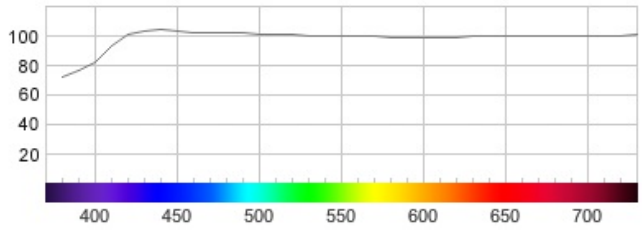
WF221 / Epson Stylus Pro 4900 / Ultrachrome HDR / IGFS Charge xxx

IGFS-E4900-HDR-PK-PGPP-1440-20140202-V01 / PGPP / PGPP, Q

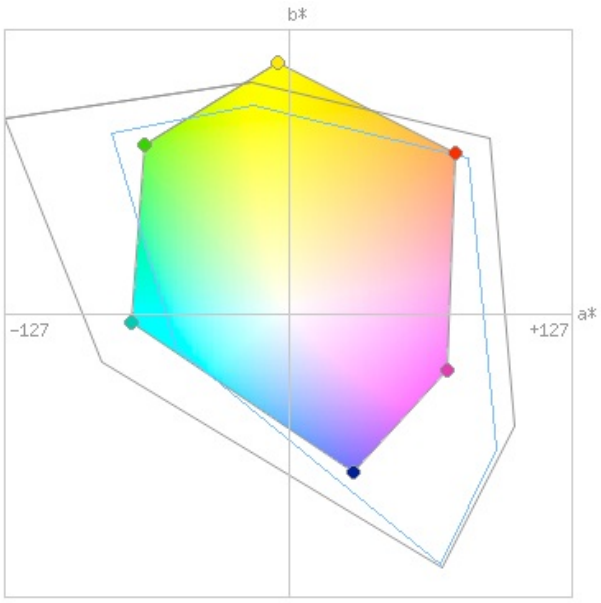
Paper characteristic

Paper white Lab*:	99.8 / -0.1 / -1.8	D50/2° (ISO 5631-3)
OBA Content:	4.1 (Low)	Only correct for NON UV-cut measurement devices
CIE Whiteness:	106	D65/10° (ISO 11475)



Gamut

Size:	128 CCU	CCU = Cubic Colorcheck Units



Compared to AdobeRGB (51%) sRGB (65%)

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IGFS-E4900-HDR-PK-PGPP-1440-20140202-V01 / PGPP / PGPP, Q

	Measured data				Reference		
Field	**Lab L***	**Lab a***	**Lab b***		**Lab L***	**Lab a***	**Lab b***
A1	94.89	-0.13	-1.63		95.00	-0.12	-1.67
A2	89.79	-0.17	-1.35		90.00	-0.11	-1.58
A3	84.82	-0.28	-1.50		85.00	-0.10	-1.49
A4	79.72	-0.32	-1.44		80.00	-0.10	-1.41
A5	75.21	-0.32	-1.54		75.00	-0.09	-1.32
A6	70.81	-0.52	-1.77		70.00	-0.09	-1.23
A7	64.96	-0.45	-1.64		65.00	-0.08	-1.14
A8	59.89	-0.24	-1.39		60.00	-0.07	-1.06
A9	55.04	-0.31	-1.29		55.00	-0.07	-0.97
A10	49.78	-0.12	-1.14		50.00	-0.06	-0.88
A11	44.18	-0.36	-1.30		45.00	-0.05	-0.79
A12	39.76	-0.44	-1.33		40.00	-0.05	-0.70
A13	34.83	-0.11	-1.41		35.00	-0.04	-0.62
A14	30.48	-0.18	-1.65		30.00	-0.04	-0.53
A15	25.08	-0.41	-0.97		25.00	-0.03	-0.44
A16	20.71	-0.28	-0.95		20.00	-0.02	-0.35
A17	16.21	-0.17	-0.80		15.00	-0.02	-0.26
A18	11.45	-0.33	-0.29		10.00	-0.01	-0.18
A19	7.17	0.13	-0.10		5.00	-0.01	-0.09
A20	3.30	-0.19	0.15		0.00	-0.00	-0.00
B1	84.98	2.16	79.67		85.00	3.00	82.00
B2	70.01	31.08	59.88		70.00	32.00	62.00
B3	51.95	59.03	36.20		52.00	60.00	38.00
B4	50.38	67.20	-8.17		50.00	67.00	-6.00
B5	44.72	42.16	-29.01		45.00	43.00	-28.00
B6	39.08	5.64	-44.31		40.00	5.00	-43.00
B7	56.43	-24.10	-29.23		57.00	-24.00	-28.00
B8	59.72	-40.31	3.47		60.00	-40.00	4.00
B9	59.82	-40.43	34.81		60.00	-40.00	34.00
B10	70.03	-25.63	60.87		70.00	-25.00	61.00
B11	85.50	-0.00	43.76		85.00	0.00	45.00
B12	69.76	20.10	40.32		70.00	20.00	40.00
B13	61.45	39.90	24.81		62.00	40.00	25.00
B14	61.65	40.06	-1.39		62.00	40.00	0.00
B15	59.48	25.32	-19.81		60.00	25.00	-18.00
B16	49.16	-0.53	-31.87		50.00	0.00	-30.00
B17	69.65	-12.06	-20.01		70.00	-12.00	-18.00
B18	50.01	-20.20	3.00		50.00	-20.00	4.00
B19	69.61	-22.75	19.47		70.00	-22.00	20.00
B20	74.63	-17.91	37.81		75.00	-17.00	37.00

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WF221 / Epson Stylus Pro 4900 / Ultrachrome HDR / IGFS Charge xxx

IGFS-E4900-HDR-PK-PGPP-1440-20140202-V01 / PGPP / PGPP, Q

	Gamut Measured data						
Field	**Lab L***	**Lab a***	**Lab b***		**RGB R**	**RGB G**	**RGB B**
C1	56.07	74.84	72.12		255	0	0
C2	74.97	-64.48	75.19		0	255	0
C3	18.40	29.32	-70.92		0	0	255
C4	71.36	-70.34	-4.21		0	255	255
C5	55.16	70.75	-25.46		255	0	255
C6	92.58	-4.63	112.35		255	255	0
C7	99.78	-0.12	-1.75		255	255	255
C8	64.21	-9.32	11.84		131	141	118
C9	32.00	-34.13	-45.03		23	64	125
C10	32.96	50.38	-55.10		119	28	191
C11	56.64	-51.80	-49.23		57	139	224
C12	57.26	-63.22	56.96		64	132	20
C13	69.00	-78.20	39.05		33	207	115
C14	55.68	81.80	-4.28		228	61	128
C15	39.52	70.59	6.03		126	26	59
C16	63.54	45.66	-32.61		190	128	232
C17	85.51	19.12	39.80		228	197	133
C18	71.74	52.59	101.89		255	154	35
C19	78.59	-51.14	88.80		147	235	39
C20	79.22	-66.86	14.30		123	235	190