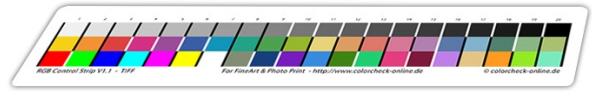


## Analysis report RGB-control-strip

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### Measurement

File: Colorcheck\_1409115111  
Date: 2014-08-27 06:51  
Info: E4900-HPSB-FineArtPrintingSpecialist  
Device: i1Pro

### Digital FineArt 2010



PASSED

<b>Colormangement</b>			
Average $\Delta E_{00}$ :	<b>0.98</b>	High accuracy level	(Digital FineArt 2010)
Maximum $\Delta E_{00}$ :	<b>1.38</b> (Field B1)		
<b>Grey balance</b>			
Color fault $\Delta s$ :	<b>0.36</b> (Field A1)	$\Delta s \leq 2$	(Digital FineArt 2010)
18% Grey / L*50:	<b>49.3</b>	$46 < L^*_{A10} < 54$	
Color tone:	Neutral	$\text{Ø}C^*_{ab}: 0.6$	
<b>Shadow details</b>			
Minimum $\Delta L$ :	<b>4.25</b>	$\Delta L \Rightarrow 2$	(Digital FineArt 2010)
$D_{max}$ :	2.42		
<b>Paper characteristic</b>			
Paper white Lab*:	98.2 / 0.1 / -0.8	D50/2° (ISO 5631-3)	
OBA Content:	2.3 (Low)	Only correct for NON UV-cut measurement devices	
Gamut:	130 CCU	CCU = Cubic Colorcheck Units	

## Colormangement

Average  $\Delta E_{00}$ : **0.98**

High accuracy level



(Digital FineArt 2010)

Maximum  $\Delta E_{00}$ : **1.38** (Field B1)

Field	Ref	Lab L*	Lab a*	Lab b*	Difference in Saturation $\Delta C'$	Difference in Hue $\Delta H'$	Color difference $\Delta E_{00}$	$\Delta E_{00} \leq 6$
B1		83.1	2.8	79.5	-0.54	0.08	<b>1.38</b>	
B2		68.8	31.6	60.2	-0.43	0.30	<b>1.09</b>	
B3		51.2	59.2	38.1	-0.15	0.28	<b>0.81</b>	
B4		48.9	66.1	-5.9	-0.23	0.02	<b>1.09</b>	
B5		43.8	42.7	-28.7	0.04	0.39	<b>1.18</b>	
B6		38.7	5.4	-43.5	0.17	0.23	<b>1.18</b>	
B7		55.9	-23.5	-28.7	0.09	0.44	<b>1.14</b>	
B8		59.3	-39.2	4.0	-0.28	0.06	<b>0.69</b>	
B9		59.2	-39.4	33.4	-0.25	0.01	<b>0.75</b>	
B10		69.0	-24.8	59.9	-0.28	0.15	<b>0.84</b>	
B11		83.5	0.0	43.9	-0.36	0.03	<b>1.05</b>	
B12		68.8	19.9	39.4	-0.21	0.14	<b>0.97</b>	
B13		60.7	39.5	24.8	-0.15	0.07	<b>1.10</b>	
B14		61.0	39.8	-0.9	-0.07	0.59	<b>1.03</b>	
B15		58.9	25.0	-18.3	0.07	0.16	<b>0.98</b>	
B16		49.2	0.1	-30.1	0.04	0.05	<b>0.78</b>	
B17		69.0	-11.8	-18.5	0.13	0.33	<b>0.87</b>	
B18		49.6	-19.9	3.1	-0.09	0.59	<b>0.73</b>	
B19		68.8	-22.0	19.4	-0.15	0.27	<b>0.99</b>	
B20		73.8	-16.6	36.2	-0.33	0.02	<b>0.94</b>	

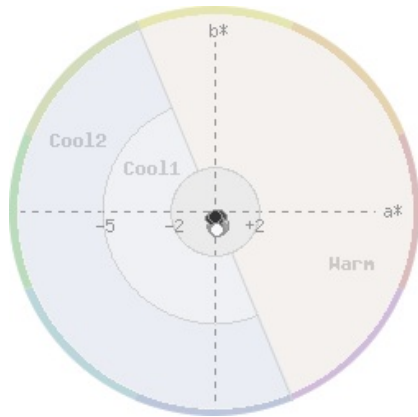
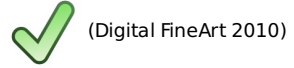
Grey balance

Color fault  $\Delta s$ : **0.36** (Field A1)  $\Delta s \leq 2$   
 18% Grey / L\*50: **49.3**  $46 < L^*_{A10} < 54$   
 Color tone: Neutral  $\varnothing C^*_{ab}: 0.6$

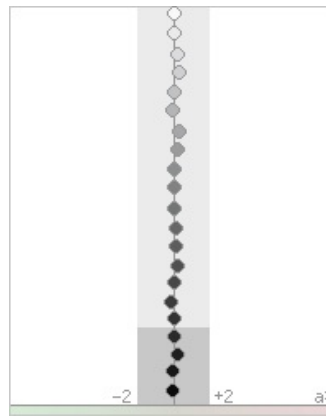


Shadow details

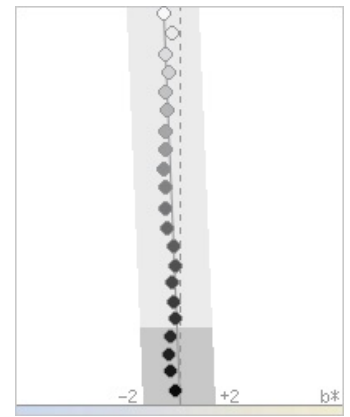
Minimum  $\Delta L$ : **4.25**  $\Delta L \Rightarrow 2$   
 $D_{max}$ : 2.42  
 Minimum L\*: 3.5



Field A1 - A16 / ab\*-plot



a\*-axis

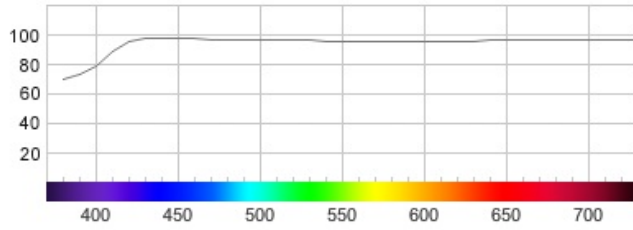


b\*-axis

Field	Ref	Lab L*	Lab a*	Lab b*	$\Delta s$	$\Delta s \leq 2$
A1		93.3	0.0	-0.4	<b>0.36</b>	✓
A2		88.0	0.2	-0.8	<b>0.14</b>	✓
A3		83.5	0.3	-0.6	<b>0.33</b>	✓
A4		78.5	0.1	-0.8	<b>0.12</b>	✓
A5		73.8	-0.1	-0.7	<b>0.14</b>	✓
A6		68.5	0.3	-0.8	<b>0.33</b>	✓
A7		64.0	0.2	-0.8	<b>0.30</b>	✓
A8		59.0	0.1	-0.8	<b>0.34</b>	✓
A9		54.6	0.1	-0.8	<b>0.32</b>	✓
A10		49.3	0.0	-0.8	<b>0.33</b>	✓
A11		44.2	0.1	-0.7	<b>0.31</b>	✓
A12		39.6	0.1	-0.4	<b>0.07</b>	✓
A13		34.8	0.3	-0.3	<b>0.23</b>	✓
A14		30.7	0.1	-0.4	<b>0.17</b>	✓
A15		25.7	-0.1	-0.3	<b>0.16</b>	✓
A16		21.4	0.0	-0.2	<b>0.05</b>	✓
Field	Ref	Lab L*	Lab a*	Lab b*	Difference in brightness $\Delta L$ compared to previous field	$\Delta L \geq 2$
A17		17.2	0.0	-0.5	<b>4.25</b>	✓
A18		12.7	0.2	-0.6	<b>4.50</b>	✓
A19		8.4	-0.0	-0.5	<b>4.27</b>	✓
A20		3.5	-0.0	-0.2	<b>4.95</b>	✓

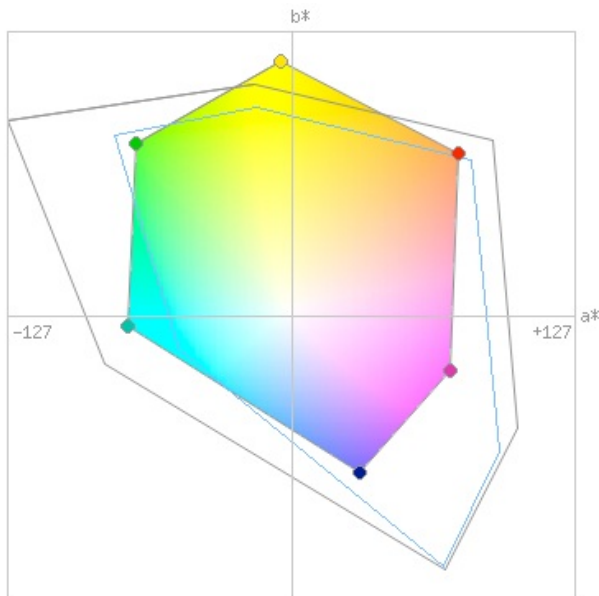
Paper characteristic

Paper white Lab\*: 98.2 / 0.1 / -0.8 D50/2° (ISO 5631-3)  
OBA Content: 2.3 (Low) Only correct for NON UV-cut measurement devices  
CIE Whiteness: 98 D65/10° (ISO 11475)











































Gamut

Size: 130 CCU CCU = Cubic Colorcheck Units



Compared to AdobeRGB (52%) sRGB (65%)

Field	Measured data			Reference			
	Lab L*	Lab a*	Lab b*	Lab L*	Lab a*	Lab b*	
A1	93.29	0.02	-0.45		95.00	0.07	-0.80
A2	87.97	0.21	-0.79		90.00	0.07	-0.76
A3	83.52	0.35	-0.55		85.00	0.06	-0.72
A4	78.52	0.08	-0.79		80.00	0.06	-0.67
A5	73.79	-0.06	-0.71		75.00	0.06	-0.63
A6	68.47	0.34	-0.76		70.00	0.05	-0.59
A7	64.02	0.20	-0.80		65.00	0.05	-0.55
A8	59.04	0.06	-0.85		60.00	0.05	-0.51
A9	54.60	0.09	-0.78		55.00	0.04	-0.46
A10	49.31	0.04	-0.75		50.00	0.04	-0.42
A11	44.23	0.09	-0.69		45.00	0.03	-0.38
A12	39.58	0.09	-0.35		40.00	0.03	-0.34
A13	34.81	0.26	-0.27		35.00	0.03	-0.30
A14	30.67	0.09	-0.40		30.00	0.02	-0.25
A15	25.66	-0.12	-0.29		25.00	0.02	-0.21
A16	21.45	0.03	-0.22		20.00	0.02	-0.17
A17	17.20	0.01	-0.53		15.00	0.01	-0.13
A18	12.70	0.22	-0.63		10.00	0.01	-0.08
A19	8.42	-0.04	-0.45		5.00	0.00	-0.04
A20	3.47	-0.02	-0.23		0.00	0.00	-0.00
B1	83.09	2.78	79.49		85.00	3.00	82.00
B2	68.77	31.63	60.23		70.00	32.00	62.00
B3	51.25	59.19	38.10		52.00	60.00	38.00
B4	48.93	66.10	-5.87		50.00	67.00	-6.00
B5	43.81	42.72	-28.70		45.00	43.00	-28.00
B6	38.67	5.36	-43.46		40.00	5.00	-43.00
B7	55.87	-23.53	-28.70		57.00	-24.00	-28.00
B8	59.29	-39.21	4.02		60.00	-40.00	4.00
B9	59.20	-39.37	33.44		60.00	-40.00	34.00
B10	69.00	-24.84	59.88		70.00	-25.00	61.00
B11	83.52	0.04	43.91		85.00	0.00	45.00
B12	68.79	19.89	39.36		70.00	20.00	40.00
B13	60.74	39.53	24.84		62.00	40.00	25.00
B14	61.03	39.79	-0.93		62.00	40.00	0.00
B15	58.91	25.00	-18.30		60.00	25.00	-18.00
B16	49.22	0.06	-30.09		50.00	0.00	-30.00
B17	68.98	-11.81	-18.53		70.00	-12.00	-18.00
B18	49.59	-19.94	3.14		50.00	-20.00	4.00
B19	68.79	-22.02	19.44		70.00	-22.00	20.00
B20	73.81	-16.64	36.16		75.00	-17.00	37.00

Gamut Measured data								
Field	Lab L*	Lab a*	Lab b*			RGB R	RGB G	RGB B
C1	54.99	74.55	72.66			255	0	0
C2	72.13	-69.99	76.78			0	255	0
C3	17.29	30.72	-70.58			0	0	255
C4	68.41	-73.31	-4.50			0	255	255
C5	54.44	71.40	-24.68			255	0	255
C6	91.10	-4.91	113.81			255	255	0
C7	98.17	0.07	-0.83			255	255	255
C8	63.31	-9.03	12.05			131	141	118
C9	31.61	-35.09	-44.52			23	64	125
C10	32.23	51.85	-55.39			119	28	191
C11	56.56	-52.66	-48.32			57	139	224
C12	57.41	-64.82	61.67			64	132	20
C13	69.79	-82.48	38.98			33	207	115
C14	54.78	82.03	-5.66			228	61	128
C15	39.46	69.78	6.44			126	26	59
C16	63.29	45.08	-31.21			190	128	232
C17	84.00	18.51	39.28			228	197	133
C18	71.76	49.82	98.39			255	154	35
C19	78.88	-51.05	87.17			147	235	39
C20	78.16	-66.97	15.13			123	235	190