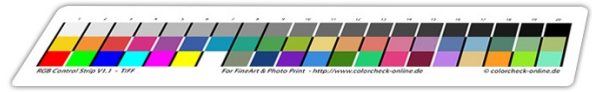


## Auswertungsprotokoll RGB-Kontrollkeil

Gedruckt von

Marc Hesse  
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### Messung

Datei: Colorcheck\_1491741635  
Datum: 09.04.2017 14:40  
Info: epon\_4880\_prag308  
Messgerät: i1Pro

Digital FineArt 2010



ERFÜLLT

<b>Farbmanagement</b>		
Mittelwert $\Delta E_{00}$ : <b>2.45</b>	Hohe Genauigkeit	(Digital FineArt 2010)
Maximum $\Delta E_{00}$ : <b>3.85</b> (Feld B6)		
<b>Graubalance</b>		
Farbabweichung $\Delta s$ : <b>1.14</b> (Feld A11)	$\Delta s \leq 2$	(Digital FineArt 2010)
18% Grau / L*50: <b>52.4</b>	$50 < L^*_{A10} < 58$	
Farbton: Neutral	$\Delta C^*_{ab}: 0.8$	
<b>Tiefenzeichnung</b>		
Minimum $\Delta L$ : <b>1.07</b>	$\Delta L \Rightarrow 1$	(Digital FineArt 2010)
$D_{max}$ : 1.53		
<b>Papiereigenschaften</b>		
Papierweiss Lab*: 96.5 / 0.9 / -0.6	D50/2° (ISO 5631-3)	
Optische Aufheller: 2.8 (Wenig)	Angabe nur korrekt wenn ohne UV-Filter gemessen wurde	
Farbraum: 72 CCU	CCU = Cubic Colorcheck Units	

## Farbmanagement

Mittelwert  $\Delta E_{00}$ : **2.45**

Hohe Genauigkeit



(Digital FineArt 2010)

Maximum  $\Delta E_{00}$ : **3.85** (Feld B6)

Feld	Ref	Lab L*	Lab a*	Lab b*	Sättigungs- Unterschied $\Delta C'$	Farbton- Unterschied $\Delta H'$	Farbabstand $\Delta E_{00}$	$\Delta E_{00} \leq 6$
B1		83.3	1.4	75.4	-1.47	0.80	<b>2.02</b>	✓
B2		70.9	26.8	56.0	-1.95	1.26	<b>2.42</b>	✓
B3		54.2	53.5	30.7	-2.34	1.62	<b>3.58</b>	✓
B4		52.7	60.1	-8.9	-1.67	1.56	<b>3.53</b>	✓
B5		47.9	38.1	-26.1	-1.62	0.60	<b>3.34</b>	✓
B6		43.6	3.8	-37.9	-1.83	0.52	<b>3.85</b>	✓
B7		58.0	-20.1	-25.5	-1.74	0.81	<b>2.14</b>	✓
B8		60.5	-34.8	3.0	-1.97	0.30	<b>2.03</b>	✓
B9		60.6	-36.1	30.8	-1.54	0.06	<b>1.63</b>	✓
B10		69.7	-23.6	55.6	-1.43	0.39	<b>1.50</b>	✓
B11		83.5	-0.2	41.4	-1.24	0.12	<b>1.61</b>	✓
B12		70.1	16.0	35.9	-1.90	1.36	<b>2.34</b>	✓
B13		63.1	33.7	20.0	-2.72	0.66	<b>2.94</b>	✓
B14		62.9	35.2	-2.0	-1.78	1.38	<b>2.37</b>	✓
B15		61.2	20.7	-15.8	-2.17	0.55	<b>2.48</b>	✓
B16		52.1	-0.2	-25.5	-1.99	0.21	<b>2.98</b>	✓
B17		69.9	-10.1	-16.6	-1.34	0.67	<b>1.51</b>	✓
B18		52.1	-15.5	3.4	-2.89	0.23	<b>3.60</b>	✓
B19		69.2	-19.6	17.4	-1.56	0.21	<b>1.71</b>	✓
B20		73.8	-15.8	34.3	-1.07	0.05	<b>1.36</b>	✓

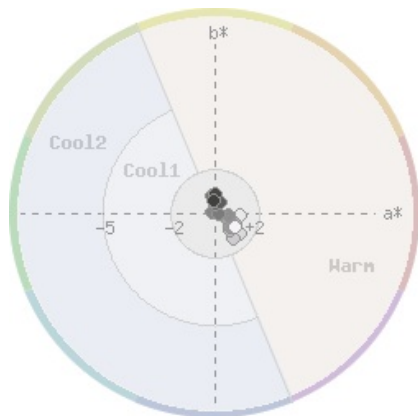
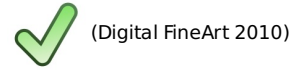
Graubalance 

Farbabweichung  $\Delta s$ : **1.14** (Feld A11)  $\Delta s \leq 2$   
 18% Grau / L\*50: **52.4**  $50 < L^*_{A10} < 58$   
 Farbton: Neutral  $\varnothing C^*_{ab}: 0.8$

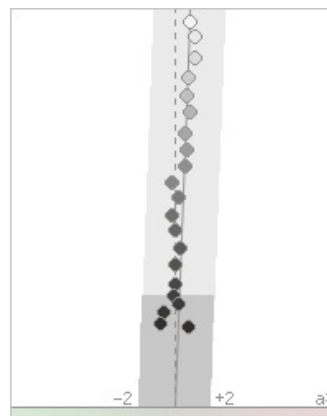


Tiefenzeichnung 

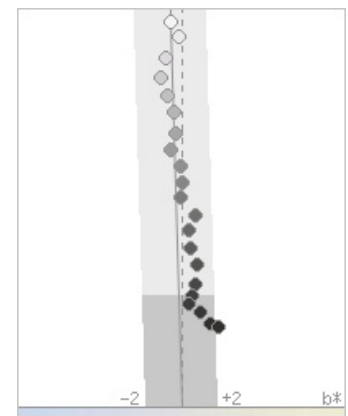
Minimum  $\Delta L$ : **1.07**  $\Delta L \Rightarrow 1$   
 $D_{max}$ : 1.53  
 Minimum L\*: 19.9



Feld A1 - A16 / ab\*-Diagramm



a\*-Achse

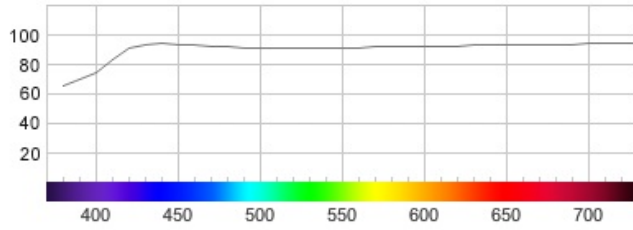


b\*-Achse

Feld	Ref	Lab L*	Lab a*	Lab b*	$\Delta s$	$\Delta s \leq 2$
A1		92.9	1.1	-0.1	<b>0.53</b>	✓
A2		87.6	1.1	-0.9	<b>0.45</b>	✓
A3		82.5	0.8	-1.1	<b>0.61</b>	✓
A4		78.0	0.7	-0.8	<b>0.26</b>	✓
A5		73.9	0.9	-0.4	<b>0.20</b>	✓
A6		68.6	0.6	-0.3	<b>0.14</b>	✓
A7		64.3	0.7	-0.6	<b>0.22</b>	✓
A8		60.1	0.6	-0.1	<b>0.29</b>	✓
A9		56.3	-0.1	0.0	<b>0.70</b>	✓
A10		52.4	0.2	-0.1	<b>0.35</b>	✓
A11		47.9	-0.1	0.7	<b>1.14</b>	✓
A12		44.1	0.0	0.4	<b>0.70</b>	✓
A13		39.8	0.3	0.5	<b>0.68</b>	✓
A14		35.4	0.1	0.8	<b>1.03</b>	✓
A15		30.8	0.0	0.8	<b>0.98</b>	✓
A16		27.8	-0.0	0.6	<b>0.72</b>	✓
Feld	Ref	Lab L*	Lab a*	Lab b*	Helligkeitsunterschied $\Delta L$ zum vorherigen Feld	$\Delta L \geq 1$
A17		25.8	0.3	0.4	<b>1.99</b>	✓
A18		23.7	-0.6	1.0	<b>2.11</b>	✓
A19		20.9	-0.8	1.6	<b>2.78</b>	✓
A20		19.9	0.8	2.0	<b>1.07</b>	✓

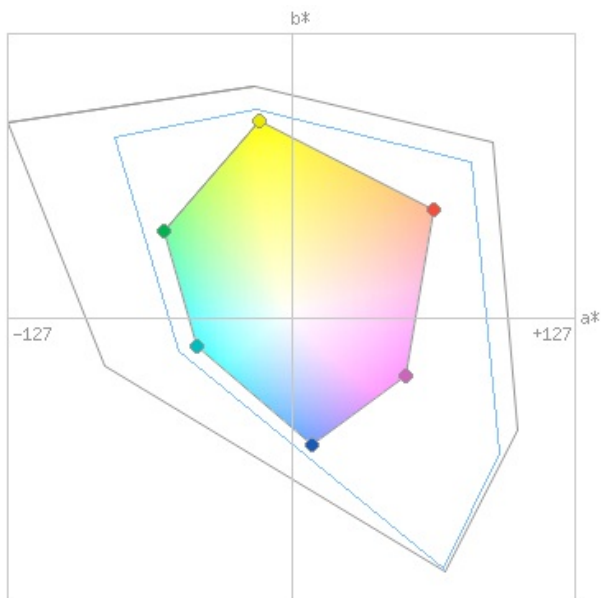
### Papiereigenschaften

Papierweiss Lab\*: 96.5 / 0.9 / -0.6 D50/2° (ISO 5631-3)  
Optische Aufheller: 2.8 (Wenig) Angabe nur korrekt wenn ohne UV-Filter gemessen wurde  
CIE Whiteness: 94 D65/10° (ISO 11475)











































### Farbraum

Grösse: 72 CCU CCU = Cubic Colorcheck Units



Vergleich mit AdobeRGB (30%) sRGB (42%)

Feld	Messwerte			Referenz			
	Lab L*	Lab a*	Lab b*	Lab L*	Lab a*	Lab b*	
A1	92.86	1.09	-0.10		95.00	0.87	-0.58
A2	87.63	1.12	-0.89		90.00	0.82	-0.55
A3	82.53	0.81	-1.13		85.00	0.78	-0.52
A4	77.96	0.72	-0.75		80.00	0.73	-0.49
A5	73.94	0.88	-0.44		75.00	0.69	-0.46
A6	68.59	0.61	-0.29		70.00	0.64	-0.43
A7	64.33	0.65	-0.61		65.00	0.59	-0.40
A8	60.10	0.61	-0.08		60.00	0.55	-0.37
A9	56.30	-0.10	0.03		55.00	0.50	-0.34
A10	52.36	0.20	-0.06		50.00	0.46	-0.31
A11	47.89	-0.10	0.74		45.00	0.41	-0.28
A12	44.15	0.02	0.37		40.00	0.37	-0.25
A13	39.81	0.28	0.47		35.00	0.32	-0.22
A14	35.39	0.06	0.83		30.00	0.27	-0.18
A15	30.83	0.03	0.81		25.00	0.23	-0.15
A16	27.80	-0.05	0.56		20.00	0.18	-0.12
A17	25.81	0.27	0.40		15.00	0.14	-0.09
A18	23.70	-0.59	1.00		10.00	0.09	-0.06
A19	20.92	-0.77	1.60		5.00	0.05	-0.03
A20	19.85	0.76	2.02		0.00	0.00	-0.00
B1	83.30	1.44	75.37	Yellow	85.00	3.00	82.00
B2	70.87	26.75	55.97	Orange	70.00	32.00	62.00
B3	54.23	53.53	30.70	Red	52.00	60.00	38.00
B4	52.70	60.14	-8.89	Magenta	50.00	67.00	-6.00
B5	47.94	38.08	-26.06	Purple	45.00	43.00	-28.00
B6	43.57	3.76	-37.93	Blue	40.00	5.00	-43.00
B7	58.02	-20.09	-25.53	Cyan	57.00	-24.00	-28.00
B8	60.46	-34.79	3.03	Teal	60.00	-40.00	4.00
B9	60.62	-36.11	30.84	Green	60.00	-40.00	34.00
B10	69.72	-23.56	55.63	Light Green	70.00	-25.00	61.00
B11	83.45	-0.16	41.36	Yellow-Green	85.00	0.00	45.00
B12	70.09	15.97	35.85	Orange-Green	70.00	20.00	40.00
B13	63.08	33.69	19.99	Red-Orange	62.00	40.00	25.00
B14	62.86	35.16	-2.03	Pink	62.00	40.00	0.00
B15	61.20	20.67	-15.81	Purple	60.00	25.00	-18.00
B16	52.15	-0.23	-25.52	Blue	50.00	0.00	-30.00
B17	69.86	-10.05	-16.57	Light Blue	70.00	-12.00	-18.00
B18	52.14	-15.53	3.39	Dark Green	50.00	-20.00	4.00
B19	69.17	-19.62	17.43	Light Green	70.00	-22.00	20.00
B20	73.85	-15.84	34.29	Yellow-Green	75.00	-17.00	37.00

Gamut Messwerte								
Feld	Lab L*	Lab a*	Lab b*			RGB R	RGB G	RGB B
C1	58.28	64.08	48.28			255	0	0
C2	64.59	-56.91	38.96			0	255	0
C3	38.84	9.15	-57.28			0	0	255
C4	69.91	-42.57	-12.79			0	255	255
C5	58.08	51.12	-26.32			255	0	255
C6	90.61	-14.50	87.69			255	255	0
C7	96.53	0.88	-0.59			255	255	255
C8	57.85	-7.32	9.57			131	141	118
C9	31.42	0.70	-36.08			23	64	125
C10	42.94	31.26	-43.50			119	28	191
C11	55.94	-11.41	-50.13			57	139	224
C12	51.39	-43.70	40.00			64	132	20
C13	61.76	-59.52	19.56			33	207	115
C14	60.56	68.30	4.05			228	61	128
C15	38.11	43.47	9.78			126	26	59
C16	62.83	31.20	-32.98			190	128	232
C17	81.18	7.42	36.30			228	197	133
C18	74.47	35.50	70.22			255	154	35
C19	72.53	-44.89	57.12			147	235	39
C20	73.55	-42.05	4.83			123	235	190