EFI Color Verifier

Print created by:	-	Measuring device:	X-Rite i1Pro2 - M0
Last calibration:	-	Measurement conditions:	-
Proofing system:	https://CIELab.XYZ	Measuring underlay:	-
Control strip:	Ugra Fogra-MediaWedge V2.2a	Printer:	-
Delta E format:	dE CIE76	Proof profile:	-
Reference profile:	-	Proofing substrate:	-
Reference data:	-	Colorant:	Ultrachrome
Reference printing conditions:	-	Job ID/Name	-/ ISOcoated_v2_300_eci.icc
Fogra PSD Visual Assessment	-		

Summary

Criteria	Difference			Tolerance	Status
Average all patches	1.4	dE	-	3.0	OK
Maximum all patches	2.7	dE	Patch 8	6.0	OK
Paper white	0.4	dE	Patch 40	3.0	OK
Cyan	1.1	dE	Patch 1	5.0	OK
Magenta	2.4	dE	Patch 4	5.0	OK
Yellow	2.7	dE	Patch 7	5.0	OK
Black	1.7	dE	Patch 23	5.0	OK
Hue difference - CMY	2	dH	-	4	OK
Hue difference - CMYK	2	dH	-	4	OK
Hue difference - CMYRGB	2.2	dH	-	4.0	OK
Hue diff. average gray	0.6	dH	-	1.5	OK
Tone value diff.	1.7	%	Patch 21	10.0	OK
Average CMYK patches	1.2	dCh	-	2.5	OK
Maximum weighted CMY scale	1.2	dCh	-	3.0	OK
Average weighted CMY scale	0.9	dCh	-	1.5	OK
Maximum weighted K scale	1.0	dL	-	3.0	OK
Average weighted K scale	0.4	dL	-	1.5	OK
Maximum weighted CMY scale	0.4	dL	-	3.0	OK
Average weighted CMY scale	0.2	dL	-	1.5	OK

Overall Result

PASSED

Measuring data analysis

					Reference			Measured			Color difference						
Patch ID	C	M	Y	K	L*	a*	b*	L*	a*	b*	Delta E	dL*	da*	db*	dH*	Tone value diff.	Result
1	100	0	0	0	54.77	-37.36	-50.30	53.91	-36.67	-50.13	1.12	0.86	0.68	0.16	0.45	-	OK
2	70	0	0	0	66.60	-25.12	-37.44	66.44	-24.25	-36.36	1.40	0.15	0.87	1.08	0.12	-0.80%	OK
3	40	0	0	0	79.41	-13.00	-22.13	79.40	-12.10	-21.91	0.93	0.01	0.89	0.23	0.66	-1.20%	OK
4	0	100	0	0	47.79	73.23	-3.43	47.26	72.45	-1.20	2.42	0.52	0.78	2.23	2.20	-	OK
5	0	70	0	0	60.60	49.95	-7.18	60.37	49.89	-6.79	0.46	0.23	0.06	0.40	0.38	-0.28%	OK
6	0	40	0	0	76.12	25.18	-7.38	76.01	25.37	-6.19	1.21	0.11	0.19	1.19	1.20	-0.51%	OK
7	0	0	100	0	88.67	-5.47	92.14	88.23	-4.90	94.77	2.73	0.43	0.57	2.64	0.72	-	OK
8	0	0	70	0	89.99	-5.17	61.80	89.23	-4.41	64.33	2.75	0.76	0.76	2.53	0.95	1.35%	OK
9	0	0	40	0	91.83	-3.99	30.53	91.11	-3.56	29.06	1.69	0.73	0.43	1.47	0.24	-1.35%	OK
10	20	70	70	0	52.90	37.10	28.31	52.58	37.72	30.02	1.85	0.32	0.61	1.71	0.97	-	OK
11	40	70	70	20	41.40	22.13	16.14	40.85	22.01	16.87	0.92	0.55	0.12	0.73	0.66	-	OK
12	40	100	100	20	31.78	39.30	23.39	31.83	39.46	25.07	1.69	0.05	0.16	1.68	1.35	-	OK
13	40	100	40	20	32.39	43.77	-2.31	31.94	44.57	-0.87	1.71	0.45	0.80	1.45	1.47	-	OK
14	40	40	100	20	51.07	0.78	43.83	50.45	1.38	45.02	1.47	0.62	0.60	1.19	0.57	-	OK
15	100	40	100	20	34.42	-36.77	13.31	33.44	-36.19	13.48	1.15	0.99	0.59	0.17	0.37	-	OK
16	100	40	40	20	35.80	-26.55	-21.27	34.88	-25.58	-21.09	1.35	0.92	0.97	0.18	0.47	-	OK
17	100	100	40	20	20.87	8.99	-24.04	20.28	9.48	-23.57	0.90	0.58	0.48	0.47	0.62	-	OK
18	0	0	0	10	88.60	-0.56	-2.51	88.34	-0.07	-1.55	1.11	0.26	0.48	0.96	0.34	-0.10%	OK
19	0	0	0	20	82.44	-0.63	-2.50	82.17	-0.05	-1.74	0.99	0.27	0.59	0.75	0.47	-0.07%	OK
20	0	0	0	40	68.99	-0.66	-2.47	69.07	0.04	-1.73	1.02	0.08	0.70	0.73	0.59	-0.64%	OK
21	0	0	0	60	53.92	-0.63	-1.61	55.10	0.39	-1.44	1.57	1.18	1.02	0.17	1.00	-1.72%	OK
22	0	0	0	80	36.47	-0.54	-1.06	37.00	0.01	-0.42	1.00	0.54	0.55	0.64	0.35	-0.65%	OK
23	0	0	0	100	15.93	-0.56	-0.49	14.79	-0.07	0.73	1.74	1.14	0.49	1.23	1.32	-	OK
24	100	100	0	0	23.78	21.53	-46.39	23.27	22.50	-45.19	1.63	0.51	0.97	1.20	1.39	-	OK
25	70	70	0	0	40.76	17.30	-36.96	39.46	18.57	-35.81	2.15	1.30	1.27	1.14	1.64	-	OK
26	40	40	0	0	63.43	9.80	-24.17	63.35	10.94	-23.24	1.47	0.08	1.13	0.92	1.41	-	OK
27	0	100	100	0	46.81	67.26	47.34	46.39	68.02	47.73	0.95	0.41	0.76	0.39	0.12	-	OK
28	0	70	70	0	58.29	46.45	37.20	57.70	47.25	37.83	1.18	0.59	0.80	0.64	0.01	-	OK
29	0	40	40	0	73.88	22.35	20.82	73.94	23.14	21.39	0.98	0.06	0.79	0.56	0.13	-	OK
30	100	0	100	0	49.81	-65.24	26.45	48.52	-65.64	28.66	2.59	1.29	0.39	2.21	1.89	-	OK
31	70	0	70	0	61.92	-40.21	20.40	61.39	-40.46	21.18	0.98	0.52	0.25	0.78	0.57	-	OK
32	40	0	40	0	76.65	-19.49	10.48	76.70	-18.79	10.67	0.73	0.05	0.70	0.19	0.50	-	OK
33	10	40	40	0	70.92	18.27	16.67	70.82	18.99	17.80	1.34	0.11	0.72	1.12	0.34	-	OK
34	0	40	100	0	71.00	21.54	72.33	70.62	22.41	74.64	2.50	0.37	0.87	2.32	0.17	-	OK
35	0	100	40	0	47.54	70.42	15.68	47.01	71.80	17.54	2.38	0.53	1.38	1.85	1.49	-	OK
36	40	100	0	0	37.86	54.66	-21.39	36.91	55.03	-21.16	1.05	0.95	0.37	0.23	0.35	-	OK
37	40	0	100	0	73.37	-23.26	66.81	73.20	-23.22	69.53	2.73	0.17	0.04	2.72	0.92	-	OK
38	100	0	40	0	52.13	-52.61	-20.61	50.96	-52.98	-19.80	1.47	1.17	0.37	0.81	0.89	-	OK
39	100	40	0	0	43.13	-17.42	-48.95	42.14	-16.70	-48.52	1.30	0.99	0.71	0.44	0.53	-	OK
40	0	0	0	0	95.03	0.02	-2.08	94.73	0.31	-1.98	0.43	0.30	0.29	0.11	0.30	-	OK
41	10	6	6	0	88.17	-0.87	-3.65	88.21	-0.37	-2.92	0.89	0.04	0.49	0.73	0.35	-	OK
42	20	12	12	0	81.65	-1.35	-4.58	81.40	-0.76	-3.65	1.13	0.25	0.59	0.93	0.34	-	OK
43	40	27	27	0	67.41	-2.43	-4.85	67.70	-1.72	-4.28	0.96	0.29	0.71	0.57	0.41	-	OK
44	60	45	45	0	52.03	-2.98	-4.00	52.53	-1.75	-3.21	1.54	0.50	1.22	0.79	0.60	-	OK
45	80	65	65	0	37.37	-4.40	-3.63	37.37	-3.24	-3.54	1.16	0.00	1.16	0.09	0.73	-	OK
46	100	85	85	0	26.19	-7.28	-3.97	26.27	-5.87	-4.28	1.45	0.09	1.41	0.31	1.02	-	OK

EFI Color Verifier

Color space comparison

- Reference
- Measured

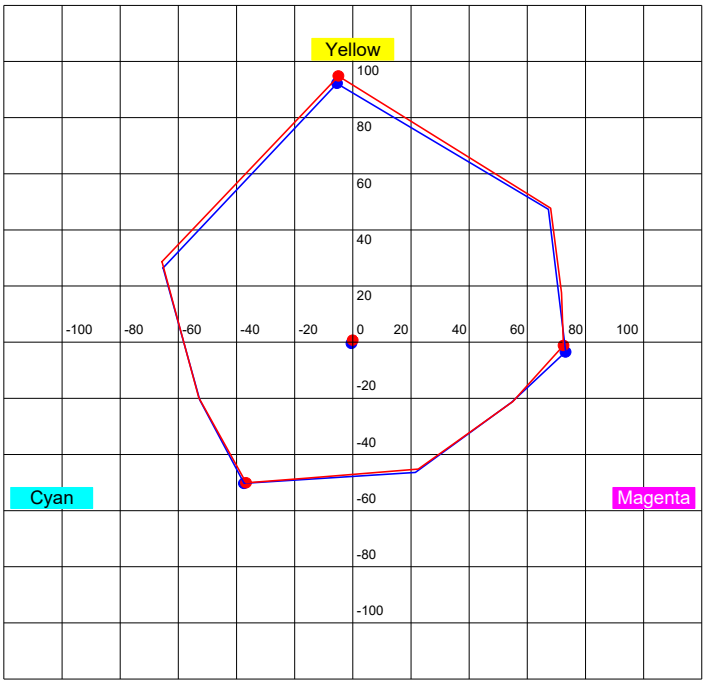
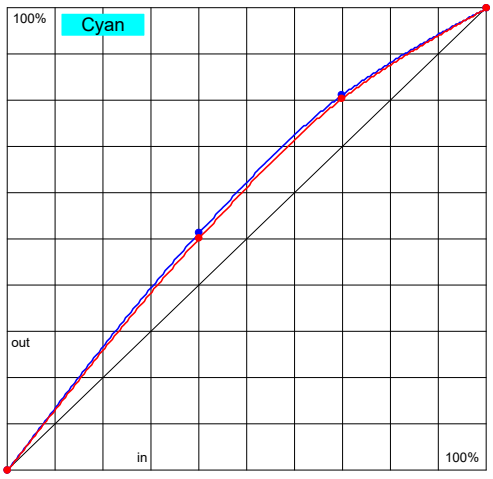
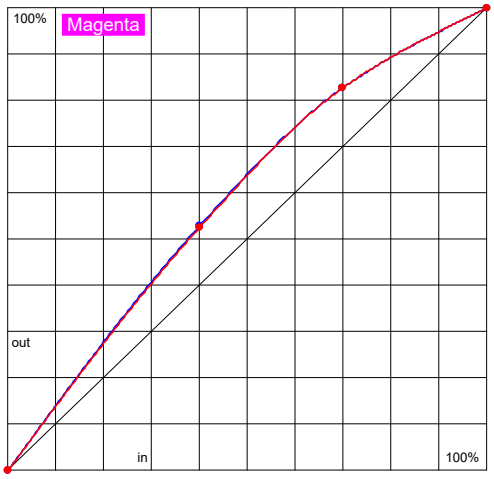
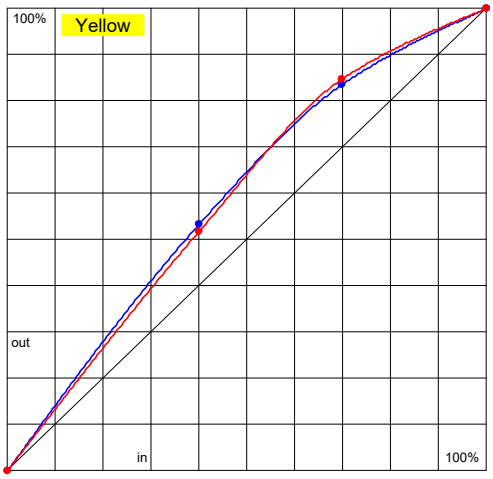
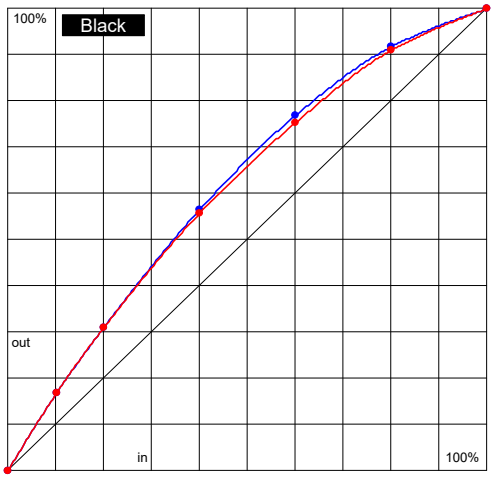
Primary colors

Reference

C: L*54.77 a*-37.36 b*-50.30
M: L*47.79 a*73.23 b*-3.43
Y: L*88.67 a*-5.47 b*92.14
K: L*15.93 a*-0.56 b*-0.49

Measured

C: L*53.91 a*-36.67 b*-50.13
M: L*47.26 a*72.45 b*-1.20
Y: L*88.23 a*-4.90 b*94.77
K: L*14.79 a*-0.07 b*0.73



Gradation Curves