

# EFI Color Verifier



Print created by:	cielab.xyz	Measuring device:	X-Rite i1Pro2 - M0
Last calibration:	-	Measurement conditions:	-
Proofing system:	EFI 7	Measuring underlay:	-
Control strip:	Ugra Fogra-MediaWedge V2.2a	Printer:	Epson
Delta E format:	dE CIE76	Proof profile:	Luster
Reference profile:	ISO Coated v2 300	Proofing substrate:	-
Reference data:	-	Colorant:	-
Reference printing conditions:	Epson	Job ID/Name	-/ ISOcoated_v2_eci.icc
Fogra PSD Visual Assessment	-		

## Summary

Criteria	Difference	Tolerance	Status
Average all patches	1.1 dE -	3.0	OK
Maximum all patches	2.0 dE Patch 4	6.0	OK
Paper white	0.4 dE Patch 40	3.0	OK
Cyan	1.0 dE Patch 1	5.0	OK
Magenta	2.0 dE Patch 4	5.0	OK
Yellow	0.9 dE Patch 7	5.0	OK
Black	1.3 dE Patch 23	5.0	OK
Hue difference - CMY	1.9 dH -	2.5	OK
Hue difference - CMYK	1.9 dH -	2.5	OK
Hue difference - CMYRGB	1.9 dH -	4.0	OK
Hue diff. average gray	0.4 dH -	1.5	OK
Tone value diff.	1.1 % Patch 8	10.0	OK
Average CMYK patches	1.0 dCh -	2.5	OK
Maximum weighted CMY scale	1.0 dCh -	3.0	OK
Average weighted CMY scale	0.7 dCh -	1.5	OK
Maximum weighted K scale	0.4 dL -	3.0	OK
Average weighted K scale	0.2 dL -	1.5	OK
Maximum weighted CMY scale	0.3 dL -	3.0	OK
Average weighted CMY scale	0.2 dL -	1.5	OK

## Overall Result

PASSED

## Measuring data analysis

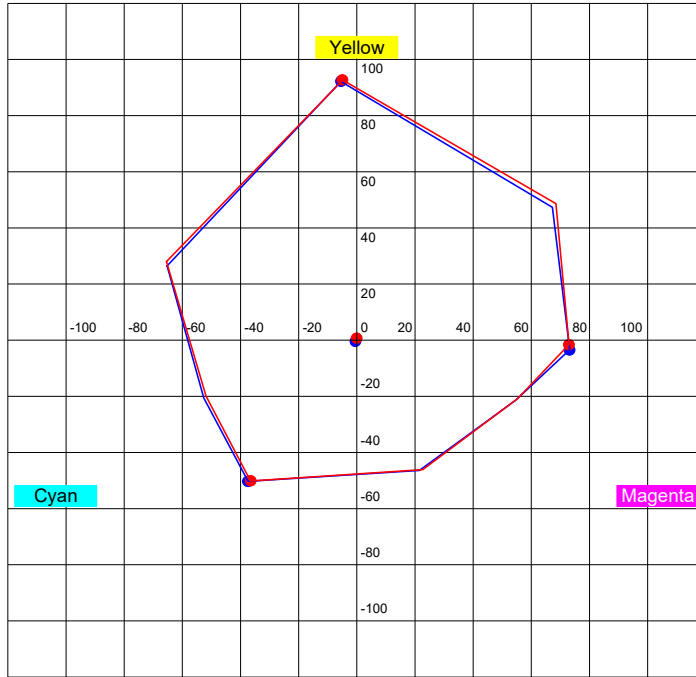
Patch ID	C	M	Y	K	Reference			Measured			Color difference					Result	
					L*	a*	b*	L*	a*	b*	Delta E	dL*	da*	db*	dH*		Tone value diff.
1	100	0	0	0	54.77	-37.36	-50.30	54.25	-36.54	-50.17	0.98	0.52	0.82	0.13	0.58	-	OK
2	70	0	0	0	66.60	-25.12	-37.44	66.49	-24.49	-36.80	0.90	0.11	0.63	0.64	0.17	-0.54%	OK
3	40	0	0	0	79.41	-13.00	-22.13	78.99	-12.34	-21.86	0.83	0.42	0.66	0.27	0.43	-0.09%	OK
4	0	100	0	0	47.79	73.23	-3.43	47.25	72.97	-1.54	1.98	0.54	0.26	1.89	1.88	-	OK
5	0	70	0	0	60.60	49.95	-7.18	60.53	50.13	-7.28	0.22	0.07	0.18	0.10	0.07	-0.53%	OK
6	0	40	0	0	76.12	25.18	-7.38	76.09	25.02	-6.57	0.83	0.04	0.15	0.81	0.74	-0.65%	OK
7	0	0	100	0	88.67	-5.47	92.14	88.36	-4.84	92.64	0.86	0.30	0.63	0.51	0.66	-	OK
8	0	0	70	0	89.99	-5.17	61.80	89.13	-4.95	62.67	1.24	0.86	0.22	0.87	0.29	1.10%	OK
9	0	0	40	0	91.83	-3.99	30.53	91.25	-3.59	30.06	0.85	0.58	0.40	0.47	0.34	-0.03%	OK
10	20	70	70	0	52.90	37.10	28.31	53.05	37.61	29.81	1.59	0.15	0.51	1.50	0.87	-	OK
11	40	70	70	20	41.40	22.13	16.14	41.33	22.53	16.73	0.72	0.07	0.40	0.59	0.24	-	OK
12	40	100	100	20	31.78	39.30	23.39	31.44	39.84	24.40	1.19	0.34	0.54	1.01	0.59	-	OK
13	40	100	40	20	32.39	43.77	-2.31	32.77	44.13	-1.39	1.06	0.37	0.36	0.92	0.93	-	OK
14	40	40	100	20	51.07	0.78	43.83	50.49	1.44	43.97	0.89	0.58	0.66	0.13	0.65	-	OK
15	100	40	100	20	34.42	-36.77	13.31	33.94	-36.05	13.55	0.90	0.48	0.73	0.24	0.48	-	OK
16	100	40	40	20	35.80	-26.55	-21.27	35.67	-24.82	-20.73	1.82	0.13	1.73	0.54	0.67	-	OK
17	100	100	40	20	20.87	8.99	-24.04	20.75	8.86	-22.98	1.07	0.11	0.13	1.06	0.25	-	OK
18	0	0	0	10	88.60	-0.56	-2.51	88.22	-0.01	-2.20	0.74	0.38	0.55	0.31	0.51	0.30%	OK
19	0	0	0	20	82.44	-0.63	-2.50	82.46	-0.10	-1.87	0.82	0.02	0.54	0.63	0.43	-0.57%	OK
20	0	0	0	40	68.99	-0.66	-2.47	68.58	-0.36	-1.73	0.90	0.40	0.29	0.74	0.11	0.31%	OK
21	0	0	0	60	53.92	-0.63	-1.61	54.09	0.19	-1.05	1.01	0.17	0.82	0.57	0.74	-0.40%	OK
22	0	0	0	80	36.47	-0.54	-1.06	36.56	-0.06	-0.65	0.64	0.09	0.48	0.41	0.33	-0.16%	OK
23	0	0	0	100	15.93	-0.56	-0.49	15.75	0.08	0.67	1.34	0.18	0.64	1.17	1.33	-	OK
24	100	100	0	0	23.78	21.53	-46.39	23.51	22.66	-46.11	1.20	0.27	1.12	0.28	1.13	-	OK
25	70	70	0	0	40.76	17.30	-36.96	40.01	18.89	-36.69	1.78	0.75	1.59	0.27	1.55	-	OK
26	40	40	0	0	63.43	9.80	-24.17	63.39	10.79	-23.29	1.33	0.04	0.99	0.88	1.26	-	OK
27	0	100	100	0	46.81	67.26	47.34	46.59	68.45	48.62	1.76	0.21	1.19	1.28	0.36	-	OK
28	0	70	70	0	58.29	46.45	37.20	57.82	47.44	37.23	1.10	0.48	0.99	0.03	0.59	-	OK
29	0	40	40	0	73.88	22.35	20.82	73.68	22.61	21.51	0.76	0.20	0.26	0.69	0.32	-	OK
30	100	0	100	0	49.81	-65.24	26.45	49.15	-65.43	27.98	1.68	0.66	0.19	1.54	1.35	-	OK
31	70	0	70	0	61.92	-40.21	20.40	61.75	-39.44	20.90	0.93	0.17	0.76	0.50	0.79	-	OK
32	40	0	40	0	76.65	-19.49	10.48	76.66	-18.73	10.92	0.88	0.01	0.76	0.43	0.75	-	OK
33	10	40	40	0	70.92	18.27	16.67	70.92	18.68	16.50	0.44	0.00	0.41	0.17	0.40	-	OK
34	0	40	100	0	71.00	21.54	72.33	71.05	21.96	71.06	1.34	0.05	0.42	1.27	0.77	-	OK
35	0	100	40	0	47.54	70.42	15.68	46.90	70.28	15.31	0.75	0.64	0.14	0.37	0.33	-	OK
36	40	100	0	0	37.86	54.66	-21.39	37.79	55.34	-20.81	0.90	0.07	0.68	0.58	0.79	-	OK
37	40	0	100	0	73.37	-23.26	66.81	73.39	-22.84	68.12	1.38	0.02	0.41	1.31	0.81	-	OK
38	100	0	40	0	52.13	-52.61	-20.61	52.06	-51.83	-19.87	1.08	0.07	0.78	0.73	0.40	-	OK
39	100	40	0	0	43.13	-17.42	-48.95	42.46	-16.29	-48.76	1.33	0.67	1.13	0.19	1.01	-	OK
40	0	0	0	0	95.03	0.02	-2.08	94.76	-0.23	-2.00	0.38	0.27	0.25	0.08	0.25	-	OK
41	10	6	6	0	88.17	-0.87	-3.65	87.94	-0.57	-3.37	0.47	0.23	0.30	0.28	0.24	-	OK
42	20	12	12	0	81.65	-1.35	-4.58	81.40	-0.79	-4.01	0.84	0.25	0.56	0.57	0.41	-	OK
43	40	27	27	0	67.41	-2.43	-4.85	67.19	-1.93	-4.03	0.99	0.22	0.50	0.81	0.09	-	OK
44	60	45	45	0	52.03	-2.98	-4.00	52.11	-2.30	-3.17	1.08	0.08	0.68	0.83	0.05	-	OK
45	80	65	65	0	37.37	-4.40	-3.63	37.52	-3.37	-3.68	1.04	0.15	1.03	0.05	0.74	-	OK
46	100	85	85	0	26.19	-7.28	-3.97	26.53	-5.75	-3.78	1.58	0.35	1.53	0.19	0.62	-	OK

## 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\*54.25 a\*-36.54 b\*-50.17
  - M: L\*47.25 a\*72.97 b\*-1.54
  - Y: L\*88.36 a\*-4.84 b\*92.64
  - K: L\*15.75 a\*0.08 b\*0.67



## Gradation Curves

