EFI Color Verifier

Print created by:	https://cielab.xyz/	**Measuring device:**	X-Rite i1Pro2 - M0
Last calibration:	2022_10_18	**Measurement conditions:**	D50 2gr M0
Proofing system:	EFI 7	**Measuring underlay:**	White Backing
Control strip:	Ugra Fogra-MediaWedge V2.2a	**Printer:**	Epson
Delta E format:	dE CIE76	**Proof profile:**	GMG Proofing Paper 2022_10
Reference profile:	ISO Coated v2	**Proofing substrate:**	GMG Proofing Paper Gloss
Reference data:	FOGRA 39L	**Colorant:**	Ultrachrome K3
Reference printing conditions:	ISO Coated v2	**Job ID/Name**	-/ ISOcoated_v2_300_eci_WP_...
Fogra PSD Visual Assessment	-		

Summary

Criteria	Difference			Tolerance	Status
Average all patches	1.1	dE	-	3.0	OK
Maximum all patches	2.2	dE	Patch 4	6.0	OK
Paper white	0.4	dE	Patch 40	3.0	OK
Cyan	0.8	dE	Patch 1	5.0	OK
Magenta	2.2	dE	Patch 4	5.0	OK
Yellow	1.2	dE	Patch 7	5.0	OK
Black	0.8	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	0.2	dH	-	1.5	OK
Tone value diff.	1.8	%	Patch 6	10.0	OK
Average CMYK patches	0.8	dCh	-	2.5	OK
Maximum weighted CMY scale	1.3	dCh	-	3.0	OK
Average weighted CMY scale	0.6	dCh	-	1.5	OK
Maximum weighted K scale	0.7	dL	-	3.0	OK
Average weighted K scale	0.4	dL	-	1.5	OK
Maximum weighted CMY scale	0.8	dL	-	3.0	OK
Average weighted CMY scale	0.4	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	55.39	-38.14	-48.77	55.64	-38.77	-48.41	0.77	0.25	0.63	0.37	0.72	-	OK
	2	70	0	0	0	67.32	-25.90	-35.72	68.36	-26.32	-35.15	1.26	1.04	0.41	0.57	0.67	-1.36%	OK
	3	40	0	0	0	80.24	-13.79	-20.21	80.55	-13.33	-19.85	0.66	0.31	0.45	0.35	0.18	-0.81%	OK
	4	0	100	0	0	48.35	73.28	-2.17	48.50	72.12	-0.30	2.21	0.15	1.16	1.87	1.85	-	OK
	5	0	70	0	0	61.27	49.74	-5.66	61.89	50.16	-5.91	0.79	0.61	0.42	0.25	0.20	-0.79%	OK
	6	0	40	0	0	76.93	24.68	-5.56	77.82	23.96	-4.72	1.42	0.89	0.72	0.84	0.67	-1.82%	OK
	7	0	0	100	0	89.58	-6.28	93.95	89.36	-6.15	95.10	1.18	0.22	0.12	1.15	0.20	-	OK
	8	0	0	70	0	90.92	-5.98	63.71	90.63	-6.20	65.12	1.46	0.29	0.21	1.41	0.08	0.92%	OK
	9	0	0	40	0	92.78	-4.81	32.56	92.78	-4.50	33.08	0.61	0.00	0.31	0.51	0.37	0.63%	OK
	10	20	70	70	0	53.50	36.86	29.58	52.92	37.79	30.73	1.59	0.59	0.94	1.15	0.30	-	OK
	11	40	70	70	20	41.90	21.86	17.22	41.12	21.86	17.64	0.89	0.78	0.00	0.42	0.32	-	OK
	12	40	100	100	20	32.20	39.23	24.26	31.69	39.90	24.74	0.97	0.51	0.68	0.48	0.05	-	OK
	13	40	100	40	20	32.82	43.73	-1.36	32.74	44.09	-0.85	0.63	0.07	0.36	0.51	0.52	-	OK
	14	40	40	100	20	51.66	0.29	45.03	51.28	0.97	45.07	0.78	0.38	0.67	0.04	0.67	-	OK
	15	100	40	100	20	34.87	-37.40	14.26	34.23	-37.03	13.99	0.79	0.63	0.37	0.28	0.13	-	OK
	16	100	40	40	20	36.26	-27.11	-20.19	35.95	-25.33	-20.47	1.83	0.31	1.78	0.28	1.31	-	OK
	17	100	100	40	20	21.19	8.79	-23.26	20.94	9.26	-22.65	0.81	0.24	0.48	0.60	0.66	-	OK
	18	0	0	0	10	89.51	-1.33	-0.46	89.58	-0.98	0.09	0.66	0.07	0.34	0.54	0.49	0.00%	OK
	19	0	0	0	20	83.30	-1.36	-0.56	83.96	-1.26	-0.18	0.77	0.66	0.10	0.38	0.34	-1.29%	OK
	20	0	0	0	40	69.73	-1.28	-0.79	70.45	-0.65	-0.32	1.07	0.72	0.63	0.48	0.10	-1.12%	OK
	21	0	0	0	60	54.53	-1.15	-0.24	55.26	-0.46	0.14	1.07	0.73	0.69	0.38	0.38	-0.83%	OK
	22	0	0	0	80	36.93	-0.92	-0.03	36.78	-0.61	-0.69	0.74	0.15	0.31	0.66	0.73	0.01%	OK
	23	0	0	0	100	16.21	-0.79	0.13	15.70	-0.16	0.36	0.84	0.51	0.63	0.23	0.53	-	OK
	24	100	100	0	0	24.13	21.39	-45.49	24.26	22.27	-44.86	1.09	0.13	0.88	0.62	1.06	-	OK
	25	70	70	0	0	41.26	17.01	-35.75	40.20	18.11	-34.47	1.99	1.06	1.10	1.28	1.56	-	OK
	26	40	40	0	0	64.13	9.29	-22.55	64.20	9.92	-21.56	1.18	0.07	0.63	0.98	0.97	-	OK
	27	0	100	100	0	47.36	67.28	48.45	46.87	68.31	48.92	1.23	0.49	1.03	0.47	0.22	-	OK
	28	0	70	70	0	58.95	46.23	38.56	58.07	46.59	38.56	0.95	0.87	0.36	0.00	0.23	-	OK
	29	0	40	40	0	74.67	21.86	22.53	74.72	22.46	23.67	1.29	0.06	0.60	1.14	0.35	-	OK
	30	100	0	100	0	50.39	-66.18	27.67	49.85	-66.56	28.50	1.06	0.54	0.38	0.83	0.62	-	OK
	31	70	0	70	0	62.60	-41.06	21.88	62.14	-40.80	22.11	0.58	0.45	0.27	0.24	0.33	-	OK
	32	40	0	40	0	77.46	-20.31	12.27	77.69	-19.69	12.88	0.90	0.23	0.62	0.61	0.85	-	OK
	33	10	40	40	0	71.68	17.76	18.33	71.64	18.80	18.63	1.08	0.04	1.04	0.30	0.53	-	OK
	34	0	40	100	0	71.76	21.05	73.84	71.28	22.16	72.94	1.51	0.47	1.11	0.90	1.32	-	OK
	35	0	100	40	0	48.09	70.46	16.89	47.99	72.06	16.87	1.60	0.10	1.61	0.02	0.39	-	OK
	36	40	100	0	0	38.33	54.65	-20.28	38.18	55.47	-19.71	1.01	0.15	0.82	0.57	0.82	-	OK
	37	40	0	100	0	74.15	-24.07	68.39	74.26	-23.60	69.58	1.28	0.11	0.48	1.19	0.84	-	OK
	38	100	0	40	0	52.72	-53.48	-19.22	51.93	-52.37	-19.02	1.38	0.80	1.12	0.20	0.19	-	OK
	39	100	40	0	0	43.65	-17.97	-47.67	43.51	-16.97	-47.33	1.07	0.14	1.00	0.34	0.82	-	OK
	40	0	0	0	0	96.00	-0.80	0.10	96.09	-1.00	-0.19	0.36	0.09	0.20	0.29	0.28	-	OK
	41	10	6	6	0	89.09	-1.64	-1.60	89.28	-1.27	-1.15	0.61	0.20	0.37	0.45	0.08	-	OK
	42	20	12	12	0	82.51	-2.07	-2.65	83.28	-1.65	-1.82	1.21	0.77	0.43	0.83	0.21	-	OK
	43	40	27	27	0	68.13	-3.05	-3.20	68.59	-2.59	-3.23	0.65	0.46	0.46	0.03	0.37	-	OK
	44	60	45	45	0	52.63	-3.49	-2.66	53.21	-2.25	-1.87	1.58	0.59	1.25	0.79	0.15	-	OK
	45	80	65	65	0	37.83	-4.82	-2.58	37.50	-4.21	-2.75	0.71	0.34	0.61	0.17	0.46	-	OK
	46	100	85	85	0	26.56	-7.64	-3.14	26.36	-6.94	-2.87	0.78	0.20	0.69	0.27	0.01	-	OK

Color space comparison

- Reference
- Measured

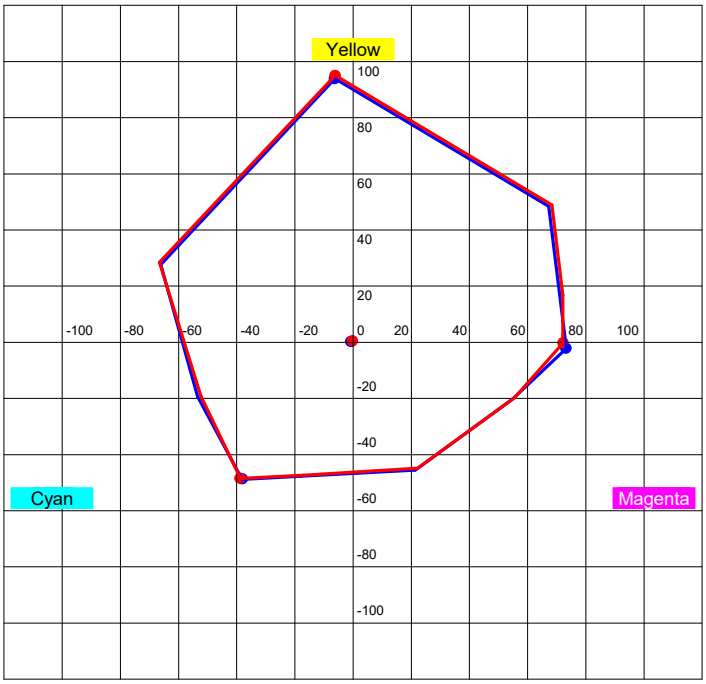
Primary colors

Reference

C: L*55.39 a*-38.14 b*-48.77
M: L*48.35 a*73.28 b*-2.17
Y: L*89.58 a*-6.28 b*93.95
K: L*16.21 a*-0.79 b*0.13

Measured

C: L*55.64 a*-38.77 b*-48.41
M: L*48.50 a*72.12 b*-0.30
Y: L*89.36 a*-6.15 b*95.10
K: L*15.70 a*-0.16 b*0.36



Gradation Curves