

COLOUR CORRESPONDENCE

HEXIS ECOTAC E3000+ range

Intended for users :

In the table below, the colours of the HEXIS ECOTAC E3000+ range are listed in various colour spaces.

Definitions :

- The CIE L*a*b* colour space

The L*a*b* space is a colorimetric system based on the visual perception of colours, optimised to measure colour differences. The L*a*b* values are useful to create a spot colour library in the RIP when you want to reproduce them. Using this method is recommended to take most advantage of the printable colour range of your printer.

- The CoatedFOGRA39 standard

The CMYK values match the primary ink quantities required to obtain the closest matching colour on an offset press, according to the CoatedFOGRA39 standard. As this colorimetric space features a limited colour range, many ECOTAC E3000+ references are not reproducible in this system.

- The colorimetric spaces sRGB and ADOBE RGB (1998)

The RGB values match the level of red, green and blue light necessary for the reproduction of colours on a calibrated and standardised screen according to the sRGB or ADOBE RGB (1998) standard. The sRGB data are dedicated to the display on the internet.

The ADOBE RGB (1998) standard originates from the photography industry and the need for a RGB space dedicated to printing.

All values in this document are provided for information purposes and are non-binding by any means.

Reproducing a colour on a printing system requires to be accurately calibrated and characterised by an ICC profile adapted to this system.

The HEXIS ICC profiles, being available for free download, match your machine-media-RIP configuration and thus ensure a quality colour rendering. Each configuration requires the use of a different ICC profile.

These tools are available at the following address: <http://www.hexis-graphics.com/fr/iccs/index>

It is the responsibility of the user to check the printed colour against the reference of the colour chart in order to assess the differences in colours and their acceptability. All colours of the HEXIS ECOTAC E3000+ colour chart cannot be printed on a large format plotter. Only those in the printer gamut can be printed.

HEXIS decline all liability for direct or indirect consequences of the use of these tables.

ECOTAC E3000+ colour chart characterisation table

ECOTAC 3000+	Espace Colorimétrique												
	L*a*b* D50 2°			CoatedFOGRA39				sRGB			Adobe RGB (1998)		
Référence	L*	a*	b*	C	M	J	K	R	G	B	R	G	B
E3110B	83,47	13,73	85,56	0	22	94	0	255	193	0	244	193	0
E3110M	83,26	13,81	83,84	0	22	93	0	255	192	0	242	192	13
E3116B	85,96	4,48	87,59	0	13	97	0	253	206	0	241	205	0
E3116M	85,98	4,4	86,93	0	13	96	0	252	206	0	240	205	0
E3123B	79,51	23,42	92,85	0	33	100	0	255	175	0	242	175	0
E3123M	78,76	23,23	92,45	0	33	100	0	255	173	0	239	172	0
E3151B	61,49	51,66	75,51	0	68	100	0	242	101	0	213	101	0
E3151M	61,35	50,38	74,17	0	67	100	0	241	102	0	212	102	0
E3155B	90,27	2,03	34,55	0	8	44	0	254	220	133	246	220	137
E3179B	53,68	66,78	62,97	0	87	100	0	234	54	0	202	56	11
E3179M	54,01	65,43	58,81	0	85	96	0	234	60	18	202	61	27
E3186B	40,72	66,73	48,05	11	100	100	5	193	0	13	165	0	20
E3186M	41,6	64,92	43,46	12	100	100	4	194	3	25	166	4	29
E3220B	44,51	66,08	9,29	11	100	35	3	201	20	80	172	27	80
E3220M	44,6	65,2	8,17	11	99	34	3	200	25	82	172	30	82
E3280B	18,88	12,91	-48,33	100	87	32	20	31	41	103	39	45	101
E3280M	20,09	12,22	-47,02	100	86	31	16	37	45	104	43	48	102
E3281B	20,34	3,57	-29,08	100	87	38	28	41	48	80	47	52	80
E3281M	20,79	2,86	-28,98	100	86	38	27	41	50	81	48	53	81
E3286B	30,19	8,43	-55,02	100	75	2	0	42	68	138	54	70	136
E3286M	30,05	8,12	-54,94	100	74	2	0	42	69	139	54	70	136
E3293B	26,87	-1	-53,6	100	72	20	7	0	66	128	30	68	126
E3293M	26,97	-1,39	-51,87	100	72	20	7	0	67	127	33	68	124
E3294B	26,24	-1,88	-46,75	100	74	25	11	1	64	117	37	66	115
E3294M	26,42	-1,8	-46,94	100	73	24	9	3	65	118	39	67	116
E3297B	68,06	-17,09	-28,9	60	10	5	0	120	173	188	137	172	187
E3297M	68,13	-17,89	-28,6	60	9	5	0	119	174	188	137	173	187
E3298B	51,77	-26,81	-42,97	93	21	6	0	0	136	171	68	135	169
E3298M	52,09	-25,74	-41,41	91	21	7	0	0	136	170	73	136	167
E3300B	36,83	-11,11	-52,89	100	55	5	1	0	93	151	42	93	148
E3300M	37,34	-11,18	-51,26	100	54	5	0	0	95	150	45	95	147
E3320B	49,18	-48,02	-21,64	100	11	40	2	0	135	131	44	135	131
E3320M	49,53	-47,47	-21,24	100	10	40	1	0	137	132	47	136	131
E3336B	24,3	-46,61	6,22	100	35	93	51	0	72	38	0	73	44
E3336M	24,73	-42,84	5,13	100	35	91	50	0	73	42	16	74	46
E3340B	42,4	-55,88	12,03	100	19	86	8	0	119	64	42	119	69
E3340M	43,4	-52,23	11,26	100	19	84	7	0	121	67	49	120	72
E3348B	38,32	-56,12	14,97	100	24	96	16	0	109	51	32	109	57
E3348M	39,63	-57,27	15,73	100	21	95	12	0	113	53	34	112	59
E3349B	32,93	-51,94	21,55	100	29	100	28	0	94	29	30	95	39
E3357B	22,18	-29,25	11,33	100	46	96	59	0	63	28	34	65	35
E3357M	23,25	-28,58	8,84	100	43	96	56	0	66	34	36	67	40

ECOTAC 3000+	Espace Colorimétrique												
	L*a*b* D50 2°			CoatedFOGRA39				sRGB			Adobe RGB (1998)		
Référence	L*	a*	b*	C	M	J	K	R	G	B	R	G	B
E3361B	60,12	-44,46	41,03	73	0	96	0	76	162	47	110	161	61
E3361M	60,52	-43,14	39,46	72	0	93	0	81	163	52	112	162	64
E3362B	50,23	-53,24	34,57	90	11	100	2	0	139	39	73	138	51
E3362M	50,14	-53,14	33,57	90	10	100	1	0	139	41	73	138	53
E3376B	65,78	-43,53	63,96	64	0	100	0	103	177	0	129	176	24
E3376M	65,82	-43,01	62,53	64	0	100	0	104	177	0	130	176	29
E3430B	59,31	-0,07	1,9	42	33	37	14	151	140	119	147	139	119
E3430M	59,69	0,26	1,69	40	33	36	13	153	141	120	149	140	121
E3444B	46,03	-2,98	2,1	56	40	49	28	111	109	89	110	109	91
E3444M	46,69	-2,9	2,07	55	40	48	27	113	111	91	112	110	92
E3476B	24,52	11,37	16,54	44	71	88	67	81	50	27	75	54	34
E3476M	26,47	11,1	13,67	42	67	76	63	85	55	35	79	58	41
E3485B	47,9	69,39	59,21	0	98	100	0	219	22	1	188	27	5
E3485M	47,93	68,42	59,13	0	97	100	0	218	27	3	187	31	10
E3505B	23,29	42,62	15,19	31	100	72	50	112	8	30	96	15	34
E3505M	23,84	42	13,62	31	100	69	49	113	13	33	97	20	37
E3527B	28,09	32,1	-42,42	83	98	0	0	95	44	116	85	48	114
E3527M	29,29	30,87	-41,34	81	95	0	0	97	48	117	88	52	115
E3829B	93,28	-1,57	-3,92	6	0	1	0	242	232	209	240	233	210
E3829M	93,43	-1,79	-3,95	6	0	1	0	243	234	210	240	233	210
E3871B	51,05	4,33	31,88	35	40	79	25	146	118	53	137	117	59
E3877B	51,07	-0,75	-1,28	50	38	39	20	130	123	109	126	122	108
E3889B	2,23	-0,29	-1,36	91	79	62	98	10	11	11	17	17	17
E3889M	17,63	-0,19	-0,92	76	65	60	78	46	43	38	48	46	42
E3899B	90,81	-0,85	3,28	9	6	13	0	235	220	186	230	219	187
E3ELEB	26,52	28,4	-70,8	99	81	0	0	55	48	154	56	51	150
E3ELEM	27,27	27,06	-69,49	99	80	0	0	57	51	153	58	54	150
E3PROB	43,59	-23,92	-47,23	100	36	7	1	0	114	158	44	114	155
E3PROM	43,9	-23,61	-46,42	100	36	7	1	0	115	158	47	115	156
VCRE3186M	39,7	66,11	46,19	12	100	100	6	191	0	15	162	0	21
VCRE3280M	20,15	12,42	-47,85	100	86	31	16	36	45	106	42	48	104
VCRE3340M	43,13	-53,31	11,36	100	19	84	7	0	121	67	48	121	72
VCRE3829M	94,49	-0,02	-1,84	2	1	1	0	251	236	209	247	236	210
VCRE3889M	20,4	-0,15	-0,9	73	62	58	72	51	48	42	54	52	47

ECOTAC E3000+ and PANTONE/RAL colour chart correspondence table

The colorimetric correspondences below, between the ECOTAC E3000+ and PANTONE/RAL colours, as well as the colour differences stated in ΔE 2000, are provided for information purposes only and are not contractual.

It is the user's responsibility to visually compare the physical colour charts in order to assess the differences in colours and their acceptability. HEXIS decline all liability for direct or indirect consequences of the use of these tables.

For each match, a coloured icon tells you if the closest HEXIS colours are: very close (●), acceptable (●) or remote (●).

ECOTAC 3000+	PANTONE	ΔE 2000	=	RAL K7	ΔE 2000	=
E3110B	PANTONE 123 C	1,6	●	RAL 1023	3,3	●
E3110M	PANTONE 123 C	1,4	●	RAL 1023	3,4	●
E3116B	PANTONE 109 C	2,1	●	RAL 1023	5,0	●
E3116M	PANTONE 109 C	2,2	●	RAL 1018	2,3	●
E3123B	PANTONE 1235 C	2,8	●	RAL 1003	3,3	●
E3123M	PANTONE 2010 C	1,8	●	RAL 1003	3,1	●
E3151B	PANTONE 158 C	3,4	●	RAL 2011	3,0	●
E3151M	PANTONE 158 C	3,2	●	RAL 2011	2,8	●
E3155B	PANTONE 7401 C	1,0	●	RAL 1014	6,0	●
E3179B	PANTONE 2028 C	1,7	●	RAL 3024	4,5	●
E3179M	PANTONE 2027 C	4,0	●	RAL 3024	5,0	●
E3186B	PANTONE 7621 C	4,5	●	RAL 3020	2,8	●
E3186M	PANTONE 7627 C	4,2	●	RAL 3000	3,3	●
E3220B	PANTONE 214 C	2,8	●	RAL 4010	4,3	●
E3220M	PANTONE 214 C	2,7	●	RAL 4010	3,9	●
E3280B	PANTONE 2147 C	1,5	●	RAL 5002	0,8	●
E3280M	PANTONE 280 C	4,1	●	RAL 5002	0,9	●
E3281B	PANTONE 534 C	1,6	●	RAL 5013	2,6	●
E3281M	PANTONE 534 C	1,0	●	RAL 5013	3,1	●
E3286B	PANTONE 2146 C	4,8	●	RAL 5005	5,7	●
E3286M	PANTONE 2146 C	4,5	●	RAL 5005	5,5	●
E3293B	PANTONE 2945 C	3,3	●	RAL 5005	1,5	●
E3293M	PANTONE 2945 C	3,4	●	RAL 5005	1,3	●
E3294B	PANTONE 2154 C	1,7	●	RAL 5005	0,6	●
E3294M	PANTONE 2154 C	1,6	●	RAL 5005	0,6	●
E3297B	PANTONE 2190 C	2,3	●	RAL 5024	10,8	●
E3297M	PANTONE 2915 C	2,6	●	RAL 5024	10,9	●
E3298B	PANTONE Process Blue C	5,3	●	RAL 5012	6,1	●
E3298M	PANTONE 299 C	8,3	●	RAL 5012	5,9	●
E3300B	PANTONE 300 C	1,9	●	RAL 5019	6,0	●
E3300M	PANTONE 2144 C	6,0	●	RAL 5019	6,0	●
E3320B	PANTONE 321 C	2,7	●	RAL 5018	6,3	●
E3320M	PANTONE 321 C	2,9	●	RAL 5018	6,0	●
E3336B	PANTONE 7484 C	8,0	●	RAL 6016	8,9	●
E3336M	PANTONE 7484 C	7,1	●	RAL 6016	8,4	●

ECOTAC 3000+	PANTONE	ΔE 2000	=	RAL K7	ΔE 2000	=
E3340B	PANTONE 7726 C	1,4	●	RAL 6029	4,8	●
E3340M	PANTONE 341 C	1,2	●	RAL 6024	4,3	●
E3348B	PANTONE 7727 C	3,0	●	RAL 6029	1,6	●
E3348M	PANTONE 7726 C	3,2	●	RAL 6029	2,3	●
E3349B	PANTONE 7733 C	7,5	●	RAL 6029	4,8	●
E3357B	PANTONE 554 C	9,4	●	RAL 6005	5,3	●
E3357M	PANTONE 3435 C	3,9	●	RAL 6035	3,8	●
E3361B	PANTONE 7738 C	0,9	●	RAL 6018	2,7	●
E3361M	PANTONE 7738 C	1,2	●	RAL 6018	3,1	●
E3362B	PANTONE 2258 C	3,5	●	RAL 6017	7,5	●
E3362M	PANTONE 2258 C	3,7	●	RAL 6017	7,6	●
E3376B	PANTONE 368 C	3,5	●	RAL 6018	9,9	●
E3376M	PANTONE 368 C	3,5	●	RAL 6018	9,7	●
E3430B	PANTONE 2331 C	8,8	●	RAL 7004	4,4	●
E3430M	PANTONE 2332 C	2,5	●	RAL 9022	2,6	●
E3444B	PANTONE 424 C	5,0	●	RAL 7005	0,5	●
E3444M	PANTONE 424 C	4,7	●	RAL 7005	0,4	●
E3476B	PANTONE 476 C	2,8	●	RAL 8028	2,9	●
E3476M	PANTONE 476 C	0,9	●	RAL 8028	3,4	●
E3485B	PANTONE 485 C	2,6	●	RAL 2002	3,7	●
E3485M	PANTONE 485 C	2,7	●	RAL 2002	3,6	●
E3505B	PANTONE 188 C	4,3	●	RAL 3004	2,5	●
E3505M	PANTONE 7428 C	7,1	●	RAL 3004	3,1	●
E3527B	PANTONE 268 C	1,6	●	RAL 5022	12,6	●
E3527M	PANTONE 268 C	2,0	●	RAL 5022	12,9	●
E3829B	PANTONE 642 C	4,7	●	RAL 9003	9,7	●
E3829M	PANTONE 649 C	2,8	●	RAL 9003	9,8	●
E3871B	PANTONE 4495 C	3,2	●	RAL 8000	5,0	●
E3877B	PANTONE Cool Gray 9 C	1,9	●	RAL 7046	4,1	●
E3889B	PANTONE Black 6 C	7,5	●	RAL 9004	0,8	●
E3889M	PANTONE 426 C	2,4	●	RAL 7021	2,0	●
E3899B	PANTONE Cool Gray 1 C	4,1	●	RAL 9003	2,2	●
E3ELEB	PANTONE 2126 C	3,4	●	RAL 5002	7,6	●
E3ELEM	PANTONE 2126 C	3,0	●	RAL 5002	7,8	●
E3PROB	PANTONE 7461 C	4,0	●	RAL 5015	4,8	●
E3PROM	PANTONE 7461 C	3,7	●	RAL 5015	4,6	●
VCRE3186M	PANTONE 7621 C	3,8	●	RAL 3000	2,6	●
VCRE3280M	PANTONE 2147 C	2,2	●	RAL 5002	1,1	●
VCRE3340M	PANTONE 7726 C	1,3	●	RAL 6024	4,7	●
VCRE3829M	PANTONE 649 C	4,8	●	RAL 9003	6,9	●
VCRE3889M	PANTONE 426 C	3,8	●	RAL 7021	2,1	●