

COLOUR CORRESPONDENCE

HEXIS SMARTAC Evolution range

Intended for users :

In the table below, the colours of the HEXIS SMARTAC Evolution 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 SMARTAC Evolution 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 SMARTAC Evolution 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.

SMARTAC Evolution colour chart characterisation table

SMARTAC evolution	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
A5001B	97,98	-0,71	1,52	0	0	4	0	255	245	211	255	243	210
A5109B	87,5	8,56	96,41	0	16	100	0	255	208	0	250	204	0
A5136B	80,42	19,43	96,42	0	31	100	0	255	181	0	240	177	0
A5165B	62,34	56,43	68,52	0	71	96	0	252	97	0	219	95	14
A5186B	39,88	63,47	44,92	15	100	100	8	187	0	18	157	0	23
A5200B	35,98	64,37	47,46	17	100	100	15	176	0	7	146	0	10
A5280B	20,19	13,7	-48,98	100	87	31	16	36	43	107	43	47	104
A5293B	33,58	-10,23	-53,62	100	58	11	2	0	85	144	31	87	141
A5348B	38,54	-60,01	13,2	100	22	94	14	0	110	55	24	110	59
A5433B	20,88	1,06	0,73	67	61	58	70	56	50	42	58	54	47
A5445B	41,25	-2,53	-1,21	60	45	47	34	98	97	84	97	97	85
A5446B	29,16	-1,29	-2,09	68	55	52	54	70	69	61	73	72	65
A5476B	19,18	11,88	16,78	51	73	82	76	68	39	17	63	42	25
A5485B	45,4	65,79	54,93	7	100	100	2	208	23	5	175	24	13
A5877B	56,14	-0,88	-1,44	46	34	35	14	141	134	118	142	137	122
A5889B	4,73	0,38	0,62	91	79	62	98	20	17	13	25	23	19

SMARTAC Evolution and PANTONE/RAL colour chart correspondence table

The colorimetric correspondences below, between the SMARTAC Evolution 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 (●).

SMARTAC Evolution	PANTONE	ΔE 2000	=	RAL K7	ΔE 2000	=
A5001B	PANTONE Cool Gray 1 C	7,0	●	RAL 9016	3,3	●
A5109B	PANTONE 116 C	1,8	●	RAL 1021	4,5	●
A5136B	PANTONE 7549 C	0,5	●	RAL 1003	2,5	●
A5165B	PANTONE 165 C	2,3	●	RAL 2004	3,6	●
A5186B	PANTONE 7627 C	3,8	●	RAL 3000	2,0	●
A5200B	PANTONE 484 C	5,7	●	RAL 3000	3,5	●
A5280B	PANTONE 2147 C	1,9	●	RAL 5002	1,2	●
A5293B	PANTONE 300 C	2,4	●	RAL 5017	4,0	●
A5348B	PANTONE 3415 C	3,5	●	RAL 6029	3,2	●
A5433B	PANTONE 440 C	4,7	●	RAL 8019	4,6	●
A5445B	PANTONE 445 C	4,6	●	RAL 7012	1,9	●
A5446B	PANTONE 425 C	6,2	●	RAL 7016	4,4	●
A5476B	PANTONE 476 C	5,2	●	RAL 8016	4,0	●
A5485B	PANTONE 7626 C	3,1	●	RAL 2002	1,9	●
A5877B	PANTONE 877 C	2,0	●	RAL 7045	3,4	●
A5889B	PANTONE Black C	8,3	●	RAL 9017	2,1	●