

HEXIS SMARTAC EVOLUTION Series

FOR THE ATTENTION OF USERS

In the tables below, the colors of the HEXIS SMARTAC EVOLUTION range are given in different color spaces.

Definitions

CIE L*a*b* Space

The CIE L*a*b* space is a colorimetric system based on the visual perception of colors, optimized to measure color shift.

L*a*b* values are useful to create a spot colors library in RIP software when you wish to reproduce them. This method should be preferred in order to make the most of your printer's range printable colors.

The Coated FOGRA39 standard

CMYK values correspond to the quantities of primary inks needed to obtain, according to the Coated FOGRA39 standard, the closest color on an offset press. Since this colorimetric space has a limited range of colors, many SMARTAC EVOLUTION references cannot be reproduced within this system.

Colorimetric spaces sRGB and ADOBE RGB (1998)

RGB values are the amount of red, green and blue light required to reproduce the colors on a calibrated screen and normalized to the sRGB or ADOBE RGB (1998) standard. The sRGB data is dedicated to the display on the internet.

ADOBE RGB (1998) comes from the world of professional photography and the need for a dedicated RGB space to the printing business.

The values in this document are indicative and not contractual

Reproducing a color on a printing system requires that it be calibrated and accurately characterized through an ICC profile suitable for that system.

Hexis offers, a custom profile creation service or free, ICC profiles download that match your machine-media-RIP configuration, and thus ensures a quality colorimetric rendering. Each configuration requires a different ICC profile. These tools are available on the Hexis website at : <http://www.hexis-graphics.com/en/iccs/index>.

It is the user's responsibility to visually compare the printed color with the reference of the color chart in order to assess the differences in color and their acceptability. Not all colors of the HEXIS SMARTAC EVOLUTION color chart can be printed on a large-format printer. Only those that belong to the printer gamut can be printed.

Hexis takes no responsibility for the direct or indirect consequences of using these tables.

Color Characterization Table for SMARTAC EVOLUTION

SMARTAC EVOLUTION	Color Space												
	Lab D50 2°			CoatedFOGRA39				sRGB			Adobe RGB (1998)		
Reference	L	a	b	C	M	Y	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
A5485B	45,4	65,79	54,93	11	98	100	3	204	29	17	207	28	16
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
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

Exchange Table between SMARTAC EVOLUTION and PANTONE/RAL color charts

The following colorimetric correlation, between the references SMARTAC EVOLUTION and PANTONE/RAL, as well as the color shift expressed in ΔE 2000, are given only as an informative guide to facilitate the search and have no contractual value (colors may be altered by the reproduction quality of documents or screens).

It's the user's responsibility to visually compare the physical color charts in order to assess the differences in color and their acceptability.

Hexis takes no responsibility for the direct or indirect consequences when using these tables.

Delta E is measured on a scale from 0 to 100, where 0 is less color difference, and 100 indicates complete distortion.

How to interpret the data of a DeltaE2000 ?

(Interpretation remains individual)

0 to 1	A normally invisible difference
Above 1 up to 2	Very small difference, only evident for a trained eye
Above 2 up to 3.5	Average difference, also evident for all
Above 3.5 up to 6	An obvious difference
Greater than 6	A very obvious difference

SMARTAC EVOLUTION	PANTONE	ΔE 2000	RAL K7	ΔE 2000
A5001B	Pantone Cool Gray 1 C	7,0	Ral 9003	2,3
A5109B	Pantone 116 C	1,8	Ral 1021	4,6
A5136B	Pantone 7549 C	0,5	Ral 1003	2,2
A5165B	Pantone 165 C	2,3	Ral 2008	3,1
A5485B	Pantone 7626 C	3,1	Ral 2002	1,9
A5186B	Pantone 7627 C	3,8	Ral 3000	1,8
A5200B	Pantone 484 C	5,7	Ral 3001	2,1
A5280B	Pantone 2147 C	1,9	Ral 5002	2,2
A5293B	Pantone 300 c	2,4	Ral 5005	1,7
A5348B	Pantone 3415 C	3,5	Ral 6016	1,3
A5433B	Pantone 440 C	4,7	Ral 6015	3,1
A5445B	Pantone 445 C	4,6	Ral 7012	2,1
A5446B	Pantone 425 C	6,2	Ral 7026	1,5
A5476B	Pantone 2322 C	4,5	Ral 8016	4,3
A5877B	Pantone 877 C	2,0	Ral 9022	2,6
A5889B	Pantone Black C	8,3	Ral 9004	2,9