

# HEXIS SPEEDCUT

## FOR THE ATTENTION OF USERS

In the tables below, the colors of the HEXIS SPEEDCUT 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 SPEEDCUT 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 SPEEDCUT 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 SPEEDCUT

SPEEDCUT	Color space												
	Lab D50 2°			CoatedFOGRA39				sRGB			Adobe RGB (1998)		
Reference	L	a	b	C	M	J	K	R	G	B	R	G	B
SC01	95,59	-0,32	-1,56	0	0	1	0	255	240	212	251	240	212
SC02	19,75	-0,05	-0,43	72	62	59	74	51	47	40	53	51	45
SC03	69,36	-13,12	-26,12	55	13	5	0	137	176	188	148	175	186
SC05	32,48	0,19	-42,74	100	71	10	1	48	77	126	60	79	124
SC06	24,37	0,24	-11,99	86	71	45	47	57	58	65	60	60	67
SC07	41,44	-40,52	9,43	95	26	81	14	0	113	67	61	113	71
SC08	45,38	63,69	33,76	8	99	78	2	205	31	46	176	37	49
SC09	84,8	18,69	90,62	0	25	97	0	255	195	0	255	194	0
SC10	82,08	24,32	88,24	0	31	96	0	255	183	0	254	182	0
SC11	77,1	-0,92	-0,62	26	18	21	1	200	189	165	196	188	165
SC12	51,68	-1,34	-1,8	51	38	39	20	128	123	108	126	122	109
SC15	61,02	53,54	59,19	0	70	89	0	245	98	24	215	98	36
SC16	66,6	52,83	36,36	0	66	54	0	255	115	83	230	114	85
SC67	72,52	-37,33	68,66	53	0	100	0	139	194	0	156	193	30
SC76	29,75	7	8,3	47	58	63	60	87	65	48	83	67	52
SC20	51,94	3,54	23,98	36	40	69	25	145	120	68	137	119	72
SC30	57,62	-0,54	-0,57	45	34	36	14	146	137	120	142	136	120
SC40	103,37	-33,06	105,6	23	0	100	0	237	255	0	247	255	0

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	Lab D50 2°			CoatedFOGRA39				sRGB			Adobe RGB (1998)		
Reference	L	a	b	C	M	J	K	R	G	B	R	G	B
SC41	81,44	-82,19	60,02	72	0	100	0	0	237	43	122	236	70
SC42	80,3	84,31	98,96	0	73	89	0	255	106	0	255	105	0
SC43	70,58	94,1	0,92	0	81	0	0	255	43	153	255	47	149
SC55	31,35	32,51	6,28	32	87	51	41	123	48	56	108	52	58
SC56	71,56	17,02	-21,99	24	37	0	0	205	163	188	193	162	186
SC63	49,34	53,69	0,11	15	84	23	2	201	68	103	174	70	102
SC68	82,11	-29,74	7,21	43	0	34	0	159	219	162	177	218	163
SC70	39,67	18,47	17,01	33	64	67	37	131	80	55	118	81	59
SC80	80,08	4,52	14,48	13	20	33	1	224	193	147	215	192	148

## Exchange Table between SPEEDCUT and PANTONE color charts

The following colorimetric correlation, between the references SPEEDCUT and PANTONE, as well as the color shift expressed in  $\Delta E$  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)

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

SPEEDCUT	PANTONE	$\Delta E$ 2000
SC01	Pantone 656 C	5,4
SC02	Pantone 426 C	3,8
SC03	Pantone 542 C	2
SC05	Pantone 7686 C	1,6
SC06	Pantone 534 C	8,8
SC07	Pantone 7728 C	3,7
SC08	Pantone 200 C	3,6
SC09	Pantone 7549 C	3,4
SC10	Pantone 1235 C	2,2
SC11	Pantone 428 C	2,6
SC12	Pantone 423 C	6,2
SC15	Pantone 1655 C	3,6

## Exchange Table between SPEEDCUT and PANTONE color charts

SPEEDCUT	PANTONE	$\Delta E$ 2000
SC16	Pantone 170 C	3,9
SC67	Pantone 2292 C	2,1
SC76	Pantone 476 C	5,5
SC20	Pantone 2326 C	3
SC30	Pantone 877 C	1,5
SC40	Pantone 2296 C	12,9
SC41	Pantone 2270 C	9,3
SC42	Pantone 164 C	11,9
SC43	Pantone 212 C	10,3
SC55	Pantone 195 C	1,1
SC56	Pantone 264 C	2,3
SC63	Pantone 2046 C	5,8
SC68	Pantone 7478 C	2
SC70	Pantone 4705 C	2,1
SC80	Pantone 2310 C	2,1