

HEXIS NYLCUT

FOR THE ATTENTION OF USERS

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

NYLCUT	Color space												
	Lab D50 2°			CoatedFOGRA39				sRGB			Adobe RGB (1998)		
Reference	L	a	b	C	M	J	K	R	G	B	R	G	B
NC01	96,7	-0,78	-0,06	1	0	3	0	255	244	212	255	243	213
NC02	18,57	-0,13	-0,57	73	63	59	76	48	45	38	51	49	43
NC05	36,26	10,41	-52,18	90	69	0	0	71	81	149	75	82	146
NC07	37,25	-35,83	7,06	96	31	80	23	0	101	62	56	101	67
NC08	45,34	58,41	37,36	12	94	88	3	199	45	39	171	49	44
NC10	82,56	25,81	104,49	0	31	100	0	255	183	0	255	182	0

Exchange Table between NYLCUT and PANTONE color charts

The following colorimetric correlation, between the references NYLCUT and PANTONE, 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

NYLCUT	PANTONE	ΔE 2000
NC01	Pantone 441 C	11,8
NC02	Pantone 426 C	3,1
NC05	Pantone 2131 C	3,3
NC07	Pantone 342 C	1,1
NC08	Pantone 7620 C	1,8
NC10	Pantone 136 C	6,5