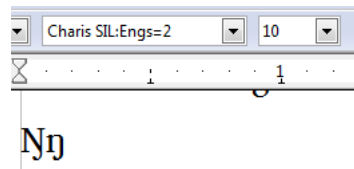
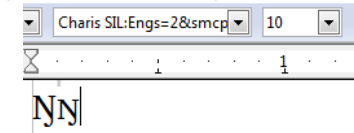


Font Features for Charis SIL

When Charis SIL is used in applications that support Graphite, and that provide an appropriate user interface, various user-controllable font features are available that allow access to alternatively-designed glyphs that might be preferable for use in some contexts. In LibreOffice 3.4.2+ (<http://www.libreoffice.org/download/>) or OpenOffice 3.2+ (<http://www.openoffice.org/download/>) the font features can be turned on by choosing the font (ie Charis SIL), followed by a colon, followed by the feature ID, and then followed by the feature setting. So, for example, if the Uppercase eng alternate “Capital N with tail” is desired, the font selection would be “Charis SIL:Eng=2”. (The Feature IDs have changed. If you already have documents which specify the Feature IDs as digits, you will need to change from digits to text. Both are documented in the table below. We are very sorry for the inconvenience.)



If you wish to apply two (or more) features, you can separate them with an “&”. Thus, “Charis SIL:Eng=2&smcp=1” would apply “Capital N with tail” plus the “Small capitals” feature.



These same features are also available in OpenType. The OpenType feature IDs (“cvxx” for “Character Variant” and “ssxx” for “Stylistic Set”) are listed in the OpenType feature ID column. However, they are only available in a few applications. Mozilla Firefox (<https://www.mozilla.org/firefox>) is the only application that currently supports Character Variants. Adobe InDesign, Microsoft Word, Microsoft Publisher and Mozilla Firefox support Stylistic Sets.

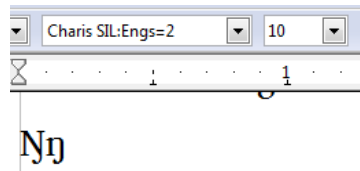
A glyph palette is available for accessing the alternate glyphs in some applications such as Adobe InDesign.

Ideally the selection of these font features is done in application programs, but many applications do not yet support this functionality. In response to this lack of support for features, a program called TypeTuner (command line version: <http://scripts.sil.org/TypeTuner> and web-based version: <http://scripts.sil.org/ttw>) allows users to create derivative fonts with their own feature settings based on the needs of a local project or region.

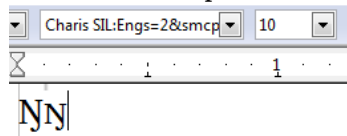
In the table below, upper and lower case pairs are shown (if they exist), even if the feature only affects one or the other. This is in order to see how the whole pair looks when a feature is applied. The following font features are available in Charis SIL:

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In the table below, upper and lower case pairs are shown (if they exist), even if the feature only affects one or the other. This is in order to see how the whole pair looks when a feature is applied. The following font features are available in Charis SIL:

Feature Name	OpenType feature ID	Graphite feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes ¹
Language specific						
Vietnamese-style diacritics (U+1EA4 U+1EA5 U+1EA6 U+1EA7 U+1EA8 U+1EA9 U+1EAA U+1EAB U+1EAE U+1EAF U+1EB0 U+1EB1 U+1EB2 U+1EB3 U+1EB4 U+1EB5 U+1EBE U+1EBF U+1EC0 U+1EC1 U+1EC2 U+1EC3 U+1EC4 U+1EC5 U+1ED0 U+1ED1 U+1ED2 U+1ED3 U+1ED4 U+1ED5 U+1ED6 U+1ED7)	ov75	viet (old:1029)	0=False	Ăă Ằằ Ẵẵ Ẳẳ Ắắ Ằằ Ằằ Ằằ Ằằ Ằằ Ằằ Ồồ Ồồ Ồồ Ồồ	Ăă Ằằ Ẵẵ Ẳẳ Ắắ Ằằ Ồồ Ồồ Ồồ Ồồ	R, O
			1=Vietnamese-style	Ăă Ằằ Ẵẵ Ẳẳ Ắắ Ằằ Ồồ Ồồ Ồồ Ồồ Ồồ Ồồ	Ăă Ằằ Ẵẵ Ẳẳ Ắắ Ằằ Ồồ Ồồ Ồồ Ồồ	
Serbian-style alternates (U+043F U+0440 U+0441 U+0442 U+0443)	loc (accessed through Serbian language)	serb	0=False	Ђђ Гг Дд Пп Тт	Ђђ Гг Дд Пп Тт	R
			1=True	Ђђ Гг Дд Пп Тт	Ђђ Гг Дд Пп Тт	
Chinantec tones (U+02CB U+02C8 U+02C9 U+02CA)	cv90	chtn (old:1057)	0=False	‘ ’ - ’	Small capitals are not available as there is no uppercase equivalent	R
			1=Chinantec-style	‘ ’ - ’		
Bridging diacritics (U+035F – used with “L” and “I”, “U” and “O” and U+035F – used with “O”, “o”, “U” and “u”.)	-	brig (old:1052)	0=False	Naso: Ḷ Ḷ Ị Ị Konai: ỌỤ Ọụ ọụ Ọụ Ọụ Ọụ Ọụ ỌỤ Ọụ	Small capitals do not work properly	G
			1=True	Naso: Ḷ Ḷ Ị Ị Konai: ỌỤ Ọụ ọụ ỌỤ Ọụ ỌỤ Ọụ ọụ ỌỤ Ọụ ọụ		

¹**TypeTuner legend:** R=glyphs are Reencoded (will work with dumb rendering); O=OpenType rules are activated; G=Graphite-only feature (All features are available for Graphite applications.); T=Only available through TypeTuner (<http://scripts.sil.org/TypeTuner>) or TypeTuner Web (<http://scripts.sil.org/ttw>).

Feature Name	OpenType feature ID	Graphite feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes ¹
Language specific						
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			1=Vietnamese-style	Áá Àà Ăă Ãã Áá Àà Ăă Ãã Éé Èè Êê Ëë Óó Òò Ôô Õõ	ÁÁ ÀÀ ĂĂ ÃÃ ÁÁ ÀÀ ĂĂ ÃÃ ÉÉ ÈÈ ÊÊ ËË ÓÓ ÒÒ ÔÔ ÕÕ	
Serbian-style alternates (U U U U+043F U)	locl (accessed through Serbian language)	serb	0=False	Бб Гг Дд Пп Тт	ББ ГГ ДД ПП ТТ	R
			1=True	Б̂б̂ Г̂г̂ Д̂д̂ П̂п̂ Т̂т̂	Б̂Б̂ Г̂Г̂ Д̂Д̂ П̂П̂ Т̂Т̂	
Chināntec tones (U+02CB U+02C8 U+02C9 U+02CA)	cv90	chtn (old:1057)	0=False	˘ ˙ ˚	Small capitals are not available as there is no uppercase equivalent	R
			1=Chināntec-style	˘ ˙ ˚		
Bridging diacritics (U – used with ‘L’ and ‘l’, U , U and U+035F – used with ‘O’, ‘o’, ‘U’ and ‘u’.)	-	brig (old:1052)	0=False	Naso: L̈L̈ l̈l̈ Konai: Ô̈Ü Ô̈ü ô̈ü Ô̈Ü Ô̈ü ô̈ü Ô̈Ü Ô̈ü ô̈ü Ô̈Ü Ô̈ü ô̈ü	Small capitals do not work properly	G
			1=True	Naso: L̇L̇ l̇l̇ Konai: Ô̇U̇ Ô̇u̇ ô̇u̇ Ô̇U̇ Ô̇u̇ ô̇u̇ Ô̇U̇ Ô̇u̇ ô̇u̇ Ô̇U̇ Ô̇u̇ ô̇u̇		

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