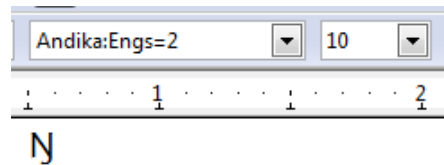
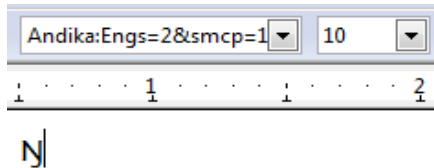


## Font Features for Andika

When Andika 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 Andika), 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 “Andika:Engs=2”. (The Graphite feature IDs have changed. If you already have documents which specify the Graphite 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, “Andika:Engs=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 Andika:

Feature Name	OpenType feature ID	Graphite feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes <sup>1</sup>
<b>Language specific</b>						
<b>Vietnamese-style diacritics</b> (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)	cv75	viet (old:1029)	0=False	Áá Àà Ăă Ãã Ấấ Ằằ Ẵẵ Ỡỡ Ếế Ềề Ễễ Ễễ	ÁÁ ÀÀ ĂĂ ÃÃ ẤẤ ẰẰ ẴẴ ỠỠ ẾẾ ỀỀ ỄỄ ỄỄ	R, O
			1=Vietnamese-style	Ăă Àà Ăă Ăă Ấấ Ằằ Ỡỡ Ỡỡ	ĂĂ ÀÀ ĂĂ ĂĂ ẤẤ ẰẰ ỠỠ ỠỠ	
<b>Serbian-style alternates</b> (U+0431 U+0433 U+0434 U+043F U+0442)  Primarily intended for italic use	locl (accessed through Serbian language)	serb	0=False	Бб Гг Дд Пп Тт	ББ ГГ ДД ПП ТТ	R
			1=True	БѢ ГѢ ДѢ ПѢ ТѢ	БѢ ГѢ ДѢ ПѢ ТѢ	
<b>Chinantec tones</b> (U+02CB U+02C8 U+02C9 U+02CA)	cv90	chtn (old:1057)	0=False	˘ ˙ ˉ ˊ	Small capitals are not available as there is no uppercase equivalent	R
			1=Chinantec-style	˘ ˙ ˉ ˊ		
<b>Bridging diacritics</b> (U+0308 – used with “L” and “l”, U+0311, U+0361 and U+035F – used with “O”, “o”, “U” and “u”.)	-	brig (old:1052)	0=False	Naso: L̈L̈ İ̈ İ̈ L̈L̈ Konai: Ô̈Ü Ô̈ü ô̈ü Ô̈Ü Ô̈ü ô̈ü ÖÜ Öü öü ÖÜ Öü öü	Small capitals do not work properly	G
			1=True	Naso: L̈L̈ İ̈ İ̈ L̈L̈ Konai: Ô̈Ü Ô̈ü ô̈ü Ô̈Ü Ô̈ü ô̈ü ÖÜ Öü öü ÖÜ Öü öü		

<sup>1</sup> **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
<b>Cyrillic<sup>2</sup></b>						
<b>Mongolian-style Cyrillic E</b> (U+042D U+044D)	cv80	mone (old:1027)	0=False	Ээ	Ээ	R
			1=Mongolian-style	ᠡᠡ	ᠡᠡ	
<b>Combining breve Cyrillic form</b> (U+0306)	cv82	sbrv (old:1028)	0=False	anything with ӧ (ӧӧ)	anything with ӧ (ӧӧ)	R (no effect if data is NFC)
			1=Cyrillic-style	anything with ӧ (ӧӧ)	anything with ӧ (ӧӧ)	
<b>Cyrillic shha alternate</b> (U+04BB)	cv81	shha (old:1056)	0=False	hh	hh	R
			1=Uppercase style	ҺҺ	ҺҺ	
<b>Tone-related</b>						
<b>Tone numbers</b> (U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716)	cv91	tone (old:1026)	0=Bars	᠘ ᠠ ᠨ ᠯ ᠯ ᠢ ᠲ ᠦ ᠨ ᠯ	Small capitals are not available as there is no uppercase equivalent	G
			1=Numbers	5 4 3 2 1 5 4 3 2 1		
<b>Hide tone contour staves</b> (U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716)	cv92	tstl (old:1050)	0=False	᠘ ᠠ ᠨ ᠯ ᠯ ᠢ ᠲ ᠦ ᠨ ᠯ (ᠮ ᠮ)	Small capitals are not available as there is no uppercase equivalent	G
			1=True	᠘ ᠠ ᠨ ᠯ ᠯ ᠢ ᠲ ᠦ ᠨ ᠯ (ᠮ ᠮ)		
<b>9-level pitches</b> (U+F1F1 U+F1F2 U+F1F3 U+F1F4 U+F1F5 U+F1F6 U+F1F7 U+F1F8 U+F1F9)		pil9 (old:1062)	0=No tramlines		Small capitals are not available as there is no uppercase equivalent	G
			1=Tramlines			
			2=Non-ligated with no tramlines			
			3=Non-ligated with tramlines			

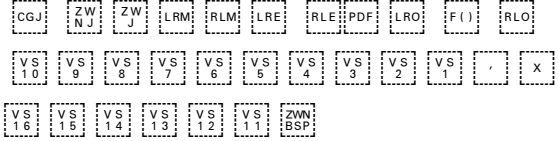


<sup>2</sup> There are also Cyrillic characters affected by the “Capital Ezh alternates” and “Small capitals” features. Some languages may also use the “Modifier apostrophe alternates.”

Feature Name	OpenType feature ID	Graphite feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
<b>Miscellaneous</b>						
<b>Literacy alternates</b> (U+0061 U+00E0 U+00E1 U+00E2 U+00E3 U+00E4 U+00E5 U+0101 U+0103 U+0105 U+01CE U+01DF U+01E1 U+01FB U+0201 U+0203 U+0227 U+1E01 U+1E9A U+1EA1 U+1EA3 U+1EA5 U+1EA7 U+1EA9 U+1EAB U+1EAD U+1EAF U+1EB1 U+1EB3 U+1EB5 U+1EB7 U+2C65 U+2090 U+1D43 U+0363 U+0067 U+011D U+011F U+0121 U+0123 U+01E7 U+01F5 U+01E5 U+1E21 U+A7A1 U+1D4D)	ss01	litr (old:1032)	1=True (default)	Aa Àà Áá Ââ Ãã Ää Åå Āā Ăă Ąą Ǻǻ Āā Āā Áá Àà Ââ Àà Ąą à Ąą Ǻǻ Áá Àà Ǻǻ Āā Ąą Áá Àà Ǻǻ Ǻǻ Ąą ą ą Ǻǻ Gg Ĝĝ Ğğ Ğğ Ğğ Ğğ Ğğ Ğğ Ğğ Ğğ Ǻǻ	AA ÀÀ ÁÁ ÂÂ ÃÃ ÄÄ ÅÅ ĀĀ Ăă Ǻǻ Ąą Ǻǻ ĀĀ ĀĀ ÁÁ ÀÀ ÂÂ ÀÀ Ąą Ǻǻ Ąą Ǻǻ ÁÁ ÀÀ Ǻǻ Ǻǻ Ąą ą ą Ǻǻ GG ĜĜ ĞĞ ĞĞ ĞĞ ĞĞ ĞĞ ĞĞ ĞĞ ǺǺ	R
			0=False	Aa Àà Áá Ââ Ãã Ää Åå Āā Ăă Ąą Ǻǻ Āā Āā Áá Àà Ââ Àà Ąą à Ąą Ǻǻ Áá Àà Ǻǻ Āā Ąą Áá Àà Ǻǻ Ǻǻ Ąą ą ą Ǻǻ Gg Ĝĝ Ğğ Ğğ Ğğ Ğğ Ğğ Ğğ Ğğ Ǻǻ	AA ÀÀ ÁÁ ÂĀ ĀĀ ĀĀ ĀĀ ĀĀ ĀĀ Ąą Ǻǻ ĀĀ ĀĀ ÁÁ ÀÀ ÂĀ ÀÀ Ąą Ǻǻ Ąą Ǻǻ ÁÁ ÀÀ Ǻǻ Ǻǻ Ąą ą ą Ǻǻ GG ĜĜ ĞĞ ĞĞ ĞĞ ĞĞ ĞĞ ĞĞ ĞĞ ǺǺ	
<b>Barred-bowl forms</b> (U+0111 U+0180 U+01E5)	ss04	bowl (old:1031)	0=False	Đđ Bb Gg	ĐĐ BB GG	R
			1=Barred-bowl	Đđ B̄b Ḡg	ĐĐ B̄B ḠG	
<b>Non-European caron alternates</b> (U+0164 U+0165 U+010E U+010F U+013D U+013E)	cv77	cam (old:1063)	0=European style	řř Ďď Ll	ŘŘ ĎĎ Ll	R
			1=Non-European style	řř Ďď Ḷḷ	ŘŘ ĎĎ ḶḶ	
<b>Ogonek alternate</b> (U+0328 U+0104 U+0105 U+0118 U+0119 U+012E U+012F U+0172 U+0173 U+01EA U+01EB U+01EC U+01ED)	cv76	ogon (old:1043)	0=Curved	anything with ą (Ąą Ęę Įį Ųų Qq Q̄q̄)	anything with ą (Ąą Ęę Įį Ųų Qq Q̄q̄)	R
			1=Straight	anything with ą (Ąą Ęę Įį Ųų Qq Q̄q̄)	anything with ą (Ąą Ęę Įį Ųų Qq Q̄q̄)	



Feature Name	OpenType feature ID	Graphite feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
<b>Uppercase Eng alternates</b> (U+014A)	cv43	Engs (old:1024)	0=Large eng with descender	Ŋŋ	Ŋŋ	R
			1=Large eng on baseline	ᲞᲟ	ᲞᲟ	
			2=Capital N with tail	ᲠᲡ	ᲠᲡ	
			3=Large eng with short stem	ᲢᲣ	ᲢᲣ	
<b>Capital N-left-hook alternate</b> (U+019D)	cv44	N_hk (old:1035)	0=Uppercase style	ᲤᲥ	ᲤᲥ	R
			1=Lowercase style	ᲦᲧ	ᲦᲧ	
<b>Open-O alternate</b> (U+0186 U+0254 U+1D10 U+1D53 U+1D97)	cv46	opnO (old:1059)	0=Bottom serif	Შ Ჩ Ც Ძ	Შ Ჩ Ც Ძ	R
			1=Top serif	Წ Ჭ Ხ Ჯ	Წ Ჭ Ხ Ჯ	
<b>Small p-hook alternate</b> (U+01A5)	cv49	p_hk (old:1040)	0=Left hook	ᲰᲱ	ᲰᲰ	R
			1=Right hook	ᲲᲳ	ᲲᲲ	
<b>Small q-tail alternate</b> (U+0071 U+A757 U+A759 U+02A0)	cv51	q_tl: (old:1073)	0=Straight	ᲘᲙ ᲚᲛ ᲜᲝ Პ	ᲘᲘ ᲚᲚ ᲜᲜ Პ	R
			1=Point	ᲠᲡ ᲢᲣ ᲤᲥ Ღ	ᲠᲠ ᲢᲢ ᲤᲤ Ღ	
<b>Capital Q alternate</b> (U+0051 U+A756 U+A758)	cv52	Qall: (old:1076)	0=Tail	ᲘᲙ ᲚᲛ ᲜᲝ	ᲘᲘ ᲚᲚ ᲜᲜ	R
			1=Tail across	ᲠᲡ ᲢᲣ ᲤᲥ	ᲠᲠ ᲢᲢ ᲤᲤ	
<b>Capital R-tail alternate</b> (U+2C64)	cv55	R_ll (old:1039)	0=Uppercase style	ᲘᲙ	ᲘᲘ	R
			1=Lowercase style	ᲚᲛ	ᲚᲚ	
<b>Capital T-hook alternate</b> (U+01AC)	cv57	t_hk (old:1037)	0=Left hook	ᲘᲙ	ᲘᲘ	R
			1=Right hook	ᲚᲛ	ᲚᲚ	



Feature Name	OpenType feature ID	Graphite feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
<b>Modifier colon alternate</b> (U+A789)	cv71	coln (old:1047)	0=Tight 0=Expanded	: :	Small capitals are not available as there is no uppercase equivalent	R
<b>Empty set alternates</b> (U+2205)	cv98	emph (old:1046)	0=Circle 1=Zero	∅ ∅	Small capitals are not available as there is no uppercase equivalent	R
<b>Show invisible characters</b> (U+00AD U+034F U+200B U+200C U+200D U+200E U+200F U+202A U+202B U+202C U+202D U+202E U+2060 U+2061 U+2062 U+2063 U+FE00 U+FE01 U+FE02 U+FE03 U+FE04 U+FE05 U+FE06 U+FE07 U+FE08 U+FE09 U+FE0A U+FE0B U+FE0C U+FE0D U+FE0E U+FE0F U+FEFF)	ss06	invs (old:1030)	0=False 1=True		Small capitals are not available as there is no uppercase equivalent	R
<b>Small Caps</b>	smcp, c2sc	smcp (old:1058)	0=False 1=True			R





Feature Name	OpenType feature ID	Graphite feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
Digit Seven with bar (U+0037 U+2077 U+2087)	cv07	dig7 (old:1069)	0=No bar	7 7 7	Small capitals are not available as there is no uppercase equivalent	R
			1=Bar	7 7 7		
Other Features						
Line spacing			Normal Tight Loose	Allows for adjustment of the default line spacing in the font.		T