

# Font Features for Lateef

The Lateef font is a TrueType font with smart font capabilities added using the OpenType font technology. The chart below enumerates the details of these features. Whether these features are available to users will depend on the application being used. Some applications let the user control certain features such as Character Variants to turn on the rendering of variant characters. However, at this point, most applications do not make use of those features so another solution is needed to show the variant characters. [TypeTuner](#) creates tuned fonts that use the variant glyph in place of the standard glyph. TypeTuner also provides the ability to turn on support for the Kurdish, Kyrgyz, Rohingya, Sindhi, Urdu, and Wolof languages variants.

## Features

When Lateef is used in applications that provide an appropriate user interface, various user-controllable font features are available allowing access to alternatively-designed glyphs. The table below gives a visual representation of the featured character glyphs in the font. Note that within each feature the top-most value is the default. The other lines show the first alternate and, if available, the second or third alternates.

## List of OpenType Character Variants

Feature Name	Feature ID	Feature Setting (top-most in each section is default)	Example
Meem <small>(U+0645, U+0765, U+0766, U+08A7)</small>	cv44	0=Standard	م ميم ذ ففتم ج بيجم
		1=Sindhi-style	م ميم نر فففنر بر بيجم

Feature Name	Feature ID	Feature Setting (top-most in each section is default)	Example
<b>Heh</b> (U+0647)	cv48	0=Standard	ه ههه
		3=Kurdish-style	ه ههه
		1=Sindhi-style	ه ههه
		2=Urdu-style XeTeX: "Lateef/GR:Heh=Urdu-style"	ه بهه
<b>Kirghiz OE</b> (U+06C5)	cv51	0=Loop	و
		1=Bar	و
<b>Yeh hamza</b> (U+0626)	cv54	0=Standard	ئ ئئ
		1=Right hamza	ئ ئئ
<b>Shadda+kasra placement</b> (U+064D, U+0650 with U+0651)	cv62	0=Default (Raised)	بَّ بَّ بَّ
		1=Lowered	بِ بِ بِ



Feature Name	Feature ID	Feature Setting (top-most in each section is default)	Example
<b>Sukun</b> (U+0652)	cv78	0=Closed	بْ
		1=Open down	ب٘
		2=Open left	بَ
<b>End of ayah</b> (U+06DD)	cv80	0=Standard	﴿﴾
		1=Simplified A <small>XeTeX: "Lateef/GR:End of ayah=Simplified A"</small>	﴿﴾
		2=Simplified B <small>XeTeX: "Lateef/GR:End of ayah=Simplified B"</small>	﴿﴾
<b>Eastern digits</b> (U+06F4, U+06F6, U+06F7)	cv82	0=Standard	۴۵۶۷
		1=Sindhi-style	۴۵۶۷
		2=Urdu-style	۴۵۶۷
		4=Rohingya-style	۴۵۶۷
<b>Comma</b> (U+060C, U+061B)	cv84	0=Upward	؛ ،
		1=Downward	؛ ،
<b>Line spacing</b>		Tight Normal Loose	Allows for adjustment of the default line spacing in the font (values shown are ordered in increasing line spacing).

## List of Language-specific features

The language-specific features that are in the font are demonstrated below:

Language	Lang ID	Feature Setting (top-most in each section is default)	Character Shapes
Default			م مٓم ذ فٓنٓم چ بٓبٓم ه ههه ی ئئى ؛،۴۵۶۷؀؁
Kurdish (Northern)	ku	Language set to Kurdish	م مٓم ذ فٓنٓم چ بٓبٓم ه ههه ی ئئى ؛،۴۵۶۷؀؁
Kyrgyz	ky	Language set to Kyrgyz	م مٓم ذ فٓنٓم چ بٓبٓم ه ههه ی ئئى ؛،۴۵۶۷؀؁
Rohingya	rhg	Language set to Rohingya	م مٓم ذ فٓنٓم چ بٓبٓم ه ههه ی ئئى ؛،۴۵۶۷؀؁
Sindhi	sd	Language set to Sindhi	م مٓم ذ فٓنٓم چ بٓبٓم ه ههه ی ئئى ؛،۴۵۶۷؀؁
Urdu	ur	Language set to Urdu	م مٓم ذ فٓنٓم چ بٓبٓم ه ههه ی ئئى ؛،۴۵۶۷؀؁

## Use of OpenType Character Variants, and Language-specific features

### LibreOffice

In LibreOffice 3.4+<sup>1</sup> there are a few steps the user may need to do before using Arabic script and language support. The font would be set to “Lateef” and then the language must be selected in the application. In LibreOffice, first enable complex text layout (**Tools / Options / Language Settings / Languages** and then select **Enabled for complex text layout (CTL)**. Then, select the text, click on the status bar to change the language, select the language (if it is not displayed, click on “More...”).

The font features can be turned on by choosing the font (ie Lateef), followed by a colon, followed by the feature ID, and then followed by the feature setting. So, for example, if the “Meem” Sindhi-style variant is desired, the font selection would be “Lateef:cv44=1”.

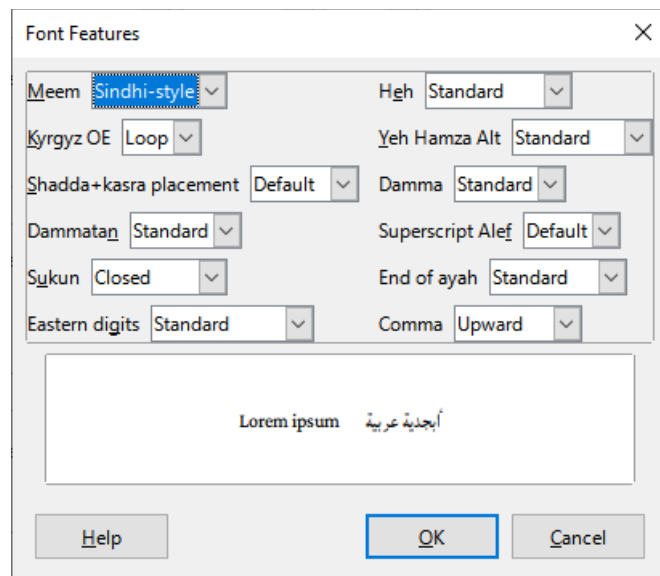


If you wish to apply two (or more) features, you can separate them with an “&”. Thus, “Lateef:cv44=1&cv48=1” would apply the “Meem” plus the “Sindhi-style” of the “Heh” feature.

Newer versions of LibreOffice have a user interface which allows selection of the Font Features. Select your text (or style) and go to **Format / Character**. Choose the Lateef font and click on **Features**. Then select the features you wish to turn on.

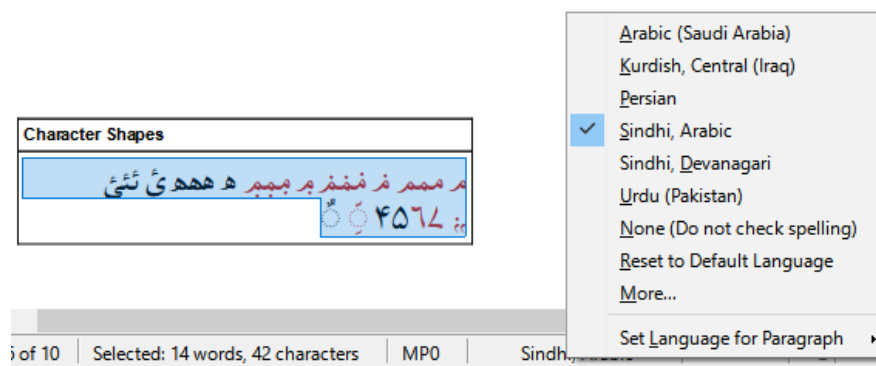
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<sup>1</sup> Download here: <http://www.libreoffice.org/download>.  
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LibreOffice allows the user to select languages (or even add a language); the default glyphs will change based on the language preferences. Currently LibreOffice allow for the selection of Kurdish, Sindhi, and Urdu. If an application allows you to select any of the languages, the default glyphs will change based on the language preferences.

In the following screenshot, the Sindhi language has been selected.



It is also possible to choose the language through the font menu in LibreOffice:

Sindhi: م م م م م م م م م م م م م م م م (Lateef:lang=sd)

## Microsoft Word

Word does not allow for the selection of Character Variants. However, it does support language selection of Urdu and Sindhi.

Before opening Word, go to **Start / All Programs / Microsoft Office / Microsoft Office 2016 Tools / Microsoft Office 2016 Language Preferences** and add any editing languages you want to use.

## Other Applications

See [Using Font Features](#). Although that page is not targeted at Arabic script support, it does provide a comprehensive list of applications that make full use of the OpenType font technology.

See also [Arabic Fonts — Application Support](#). It provides a fairly comprehensive list of applications that make full use of the OpenType font technology.

## Customizing with TypeTuner

For applications that do not make use of the OpenType Character Variants, you can now download fonts customized with the variant glyphs you choose. Read this document, visit <http://scripts.sil.org/ttw/fonts2go.cgi>, then choose the variants and download your font.