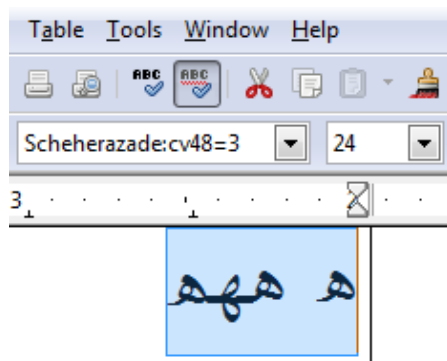


Font Features for Scheherazade

The Scheherazade font includes a number of optional features that provide alternative rendering that might be preferable for use in some contexts. The chart below enumerates the details of these features. Whether these features are available to users will depend on both the application and the rendering technology (Graphite or OpenType) being used. Most features are available in both Graphite and OpenType, though there may be minor differences in their implementation.

In LibreOffice 3.4.2+ (<http://www.libreoffice.org/download/>) or OpenOffice 3.2+ (<http://www.openoffice.org/download/>) the features are available only when Graphite rendering is enabled (the default). Features can be turned on by choosing the font (i.e., Scheherazade), followed by a colon, followed by the feature ID, and then followed by the feature setting. So, for example, if the “Kurdish-style Heh” is desired, the font selection would be “Scheherazade:cv48=3”.



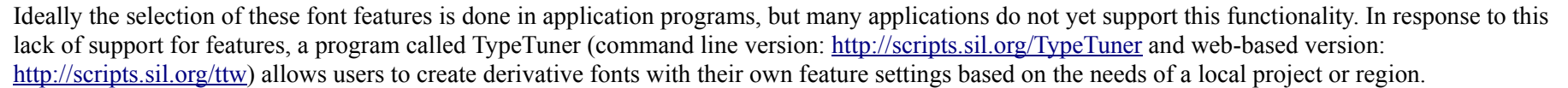
If you wish to apply two (or more) features, you can separate them with an “&”. Thus, “Scheherazade:cv48=3&cv44=1” would apply the “Kurdish-style Heh” plus the “Sindhi-style Meem” feature.

In Mozilla Firefox, with either Graphite or OpenType rendering, features can be accessed using the appropriate CSS markup. A description of how to use the font features in Mozilla Firefox can be found here: http://scripts.sil.org/cms/scripts/page.php?site_id=projects&item_id=graphite_firefox#cf8a0574 (the technique described there works for both Graphite and OpenType).

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.

You can also apply a language-based feature which will turn on all features associated with that language. The font would be set to “Scheherazade” and then you need to change your language in your application. In LibreOffice you should first enable complex text layout (Tools / Options / Language Settings / Languages and then select Enabled for complex text layout (CTL) Then, you can select your text, click on the status bar to change the language,

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



Font Features for Scheherazade 2.0

Feature Name	Feature ID	Feature Setting (top-most in each section is default)	Example	Implementation Notes ¹
Language			م مم م فنم م مبم م قثم ه هه ٤٥٦٧ ةَ	G,O,T
Kurdish (Northern)	kmr	Language set to Kurdish <small>XeTeX: "Scheherazade/GR:language=kmr"</small>	م مم م فنم م مبم م قثم ه هه ٤٥٦٧ ةَ	
Sindhi	snd	Language set to Sindhi <small>XeTeX: "Scheherazade/GR:language=snd"</small>	م مم م فنم م مبم م قثم ه هه ٤٥٦< ةِ	
Urdu	urd	Language set to Urdu <small>XeTeX: "Scheherazade/GR:language=urd"</small>	م مم م فنم م مبم م قثم ه هه ٢٥٦< ةِ	
Rohingya	rhg	Language set to Rohingya <small>XeTeX: "Scheherazade/GR:language=rhg"</small>	٤٥٦< ةِ ةَ	G,T
Dal (U+062F, U+0630, U+0688, U+0689, U+068A, U+068B, U+068C, U+068D, U+068E, U+068F, U+0690, U+06EE, U+0759, U+075A, U+08AE)	cv12	0=Standard	د ذ ڈ د ب ڈ ت ي ث ت ت د ڈ ح د پ	G,O,T
		1=Alternate <small>XeTeX: "Scheherazade/GR:Dal=Alternate"</small>	د ذ ڈ د ب ڈ ت ي ث ت ت د ڈ ح د پ	
Meem (U+0645, U+0765, U+0766, U+08A7)	cv44	0=Standard	م مم م فنم م مبم م قثم	G,O,T
		1=Sindhi-style <small>XeTeX: "Scheherazade/GR:Meem=Sindhi-style"</small>	م مم م فنم م مبم م قثم	

1 **TypeTuner legend:** **G**=Implemented in Graphite; **O**=Implemented in OpenType; **T**=Implemented in TypeTuner (command line version: <http://scripts.sil.org/TypeTuner> and web-based version: <http://scripts.sil.org/ttw>) .

Feature Name	Feature ID	Feature Setting (top-most in each section is default)	Example	Implementation Notes
Heh (U+0647)	cv48	0=Standard	ه هه	G,O,T
		3=Kurdish-style XeTeX: "Scheherazade/GR:Heh=Kurdish-style"	ه ههم	
		1=Sindhi-style XeTeX: "Scheherazade/GR:Heh=Sindhi-style"	ه ههم	
		2=Urdu-style XeTeX: "Scheherazade/GR:Heh=Urdu-style"	ه به	
Arabic U (U+0677, U+06C7)	cv50	0=Standard	ؤ وُ	G,O,T
		1=Filled	ؤ وُ	
Maddah (U+0622, U+0627+U+0653, U+0653)	cv60	0=Small	آ آّ	G,O,T
		1=Large	آ آّ	
Shadda+kasra placement (U+064D, U+0650 with U+0651)	cv62	0=Raised	ٲ ٲٲ ٲٲٲ ٲٲٲٲ	G,O,T
		1=Lowered XeTeX: "Scheherazade/GR:Shadda+kasra placement=Lowered"	ٲ ٲٲ ٲٲٲ ٲٲٲٲ	

Feature Name	Feature ID	Feature Setting (top-most in each section is default)	Example	Implementation Notes
Sukun (U+0652)	cv78	0=Closed	وْ بْ	G,O,T
		1=Open down XeTeX: "Scheherazade/GR:Sukun=Open down"	و٘ ب٘	
		2=Open left XeTeX: "Scheherazade/GR:Sukun=Open left"	وْ٘ بْ	
End of ayah (U+06DD)	cv80	0=Standard	﴿١٢٣﴾	G,O,T
		1=Simplified A XeTeX: "Scheherazade/GR:End of ayah=Simplified A"	١٢٣	
		2=Simplified B XeTeX: "Scheherazade/GR:End of ayah=Simplified B"	١٢٣	
Eastern digits (U+06F4, U+06F6, U+06F7)	cv82	0=Standard	۴۵۶۷	G,O,T
		1=Sindhi-style XeTeX: "Scheherazade/GR:Eastern digits=Sindhi-style"	۴۵۶<	
		2=Urdu-style XeTeX: "Scheherazade/GR:Eastern digits=Urdu-style"	۴۵۶<	
		4=Rohingya-style XeTeX: "Scheherazade/GR:Eastern digits=Rohingya-style"	ᳵᳶ᳷<	

Feature Name	Feature ID	Feature Setting (top-most in each section is default)	Example	Implementation Notes
Comma (U+060C, U+061B)	cv84	0=Upward	ﻍ ﻍ	G,O,T
		1=Downward XeTeX: "Scheherazade/GR:Comma=Downward"	ﻍ ﻍ	
Jeh hack (U+0698)	cv90	0=Standard	ﺝ	G,O,T
		1=Dot Hat XeTeX: "Scheherazade/GR:Jeh hack=Dot Hat"	ﺝ ²	
Dotless head of khah hack (U+06E1)	cv92	0=Standard	ﻍ ﺏ	G,O,T
		1=Jazm XeTeX: "Scheherazade/GR:Dotless head of khah hack=Jazm"	ﻍ ³ ﺏ	
Line spacing		Tight 1.0 Compatible Normal Loose	Allows for adjustment of the default line spacing in the font (values shown are ordered in increasing line spacing).	T

- 2 This character has been accepted into the Unicode Standard at U+08B2. It is encoded in Scheherazade at the proper position (although the codepoint could change). However, since the character will not render properly in Uniscribe until it is official and implemented into various applications, we have retained the "hack" that was in the previous version of this font.
- 3 This character has been accepted into the Unicode Standard at U+08FF. It is encoded in Scheherazade at the proper position (although the codepoint could change). However, since the character will not render properly in Uniscribe until it is official and implemented into various applications, we have retained the "hack" that was in the previous version of this font.

Feature Name	Feature ID	Feature Setting (top-most in each section is default)	Example	Implementation Notes
Show invisible characters (U+061C, U+200C, U+200D, U+200E, U+200F, U+202A, U+202B, U+202C, U+202D, U+202E, U+2066, U+2067, U+2068, U+2069, U+206C, U+206D)	invs	0=False		G
		1=True XeTeX: "Scheherazade/GR:Show invisible characters=True"	