Scheherazade New - Font Features

Scheherazade New is an OpenType-enabled font family that supports the Arabic script. It includes a number of optional features that provide alternative rendering that might be preferable for use in some contexts. The sections below enumerate the details of these features. Whether these features are available to users will depend on both the application and the rendering technology 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. 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 TypeTuner Web, then choose the variants and download your font.

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.

This page uses web fonts (WOFF) to demonstrate font features and should display correctly in all modern browsers. For a more concise example of how to use Scheherazade New as a web font see *ScheherazadeNew-webfont-example.html* in the font package web folder.

If this document is not displaying correctly a PDF version is also provided in the documentation/pdf folder of the release package.

Complete feature list

Language system tags

Affects: U+062F, U+0630, U+0688..U+068F, U+0690, U+06EE, U+0759, U+075A, U+08AE, U+0645, U+0765, U+0766, U+08A7, U+06BE, U+0626, U+06F4, U+06F5, U+06F6, U+06F7, U+0650, U+064F, U+064C, U+0657

Unfortunately, the UI needed to access the language-specific behavior is not yet present in many applications. LibreOffice and Microsoft Word 2016 support language-specific behavior for Kurdish, Sindhi and Urdu (but not Kyrgyz, Rohingya or Wolof). Some Harfbuzz-based apps, e.g., XeTeX, can access language-specific behavior. In the past, it was not always possible to override language-specific behavior in cases where the language-specific variants were undesirable but, as of version 4.300, the font now supports this possibility.

Kashmiri, Kurdish (Northern), Rohingya, Sindhi, Urdu

Language	Meem	Heh Doachashmee (06BE)	4	6	7	0650/064E	064C	0652	Feature Setting
Default	م ممم	ھ ھھھ	۴	۶	۷	بِّ	بُّ	بْ	
Kashmiri	م ممم	ھ ھھھ	۴	٦	۷	بِّ	بُّ	بْ	`lang='ks'`
Kurdish (Northern)	م ممم	ھ ھھھ	۴	۶	۷	بِّ	بُّ	بْ	`lang='ku'`
Rohingya		ھ ھھھ	٤	٦	۷	بِّ	بُّ	بْ	`lang='rhg'`

Language	Meem	Heh Doachashmee (06BE)	4	6	7	0650/064E	064C	0652	Feature Setting
	م ممم								
Sindhi	م ممم	ھ ھھھ	۴	٦	۷	بِّ	بٌّ	بْ	lang='sd'
Urdu	م ممم	ھ ھھھ	۴	٦	۷	بِّ	بٌّ	بْ	lang='ur'

Kyrgyz and Wolof

Language	Dal	0626	0650/064E	064F	0657	Feature Setting
Default	د	ئ ئئ	بِّ	بُ	بٗ	
Kyrgyz	د	ئ ئئ	بِّ	بُ	بٗ	lang='ky'
Wolof	ډ	ئ ئئ	بِّ	بُ	بٗ	lang='wo'

Character variants

There are some character shape differences in different languages which use the Arabic script. These can be accessed by using OpenType Character Variants, or through the language support mentioned above.

Dal

Affects: 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 U+10EC2

Feature	Sample	Feature setting
Standard	د ذ ڈ ډ ڊ ڋ ڌ ڍ ڎ ڏ ڐ ڑ ڒ ړ	cv12=0
Alternate	د ذ ڈ ډ ڊ ڋ ڌ ڍ ڎ ڏ ڐ ڑ ڒ ړ	cv12=1
Simple	د ذ ڈ ډ ڊ ڋ ڌ ڍ ڎ ڏ ڐ ڑ ڒ ړ	cv12=2

Meem

Affects: U+0645, U+0765, U+0766, U+08A7

Feature	Sample	Feature setting
Standard	م ممم ۦ ۦۦۦ ۦ ۦۦۦ ۦ ۦۦۦ	cv44=0
Sindhi-style	م ممم ۦ ۦۦۦ ۦ ۦۦۦ ۦ ۦۦۦ	cv44=1
Long-tail	م ممم ۦ ۦۦۦ ۦ ۦۦۦ ۦ ۦۦۦ	cv44=2

Heh

Affects: U+0647

Feature	Sample	Feature setting
Standard	ه ههه	cv48=0
Kurdish-style	ه ههه	cv48=3
Sindhi-style	ه ههه	cv48=1
Urdu-style	ه ہہہ	cv48=2

Heh Doachashmee

Affects: U+06BE

Feature	Sample	Feature setting
Standard	ه ههه	cv49=0
Knotted	ه ههه	cv49=1
Bowtie	ه ههه	cv49=2
Kurdish-style	ه ههه	cv49=3

Kyrgyz OE

Affects: U+06C5

Feature	Sample	Feature setting
Loop	ۅ	cv51=0
Bar	ۅ	cv51=1

Yeh Hamza

Affects: U+0626

Feature	Sample	Feature setting
Standard	ئ ئ	`cv54=0`
Right hamza	ئ ئ	`cv54=1`
Mid hamza	ئ ئ	`cv54=2`

Maddah

Affects: U+0622, U+0627, U+0653, U+0653

Feature	Sample	Feature setting
Small	آ آ	`cv60=0`
Large	آ آ	`cv60=1`

Shadda+kasra placement

Affects: U+064D, U+0650 with U+0651

Feature	Sample	Feature setting
Default	بِّ بِّ	`cv62=0`
Lowered	بِّ بِّ	`cv62=1`
Raised	بِّ بِّ	`cv62=2`

Damma

Affects: U+064F

Feature	Sample	Feature setting
Default	بُ	`cv70=0`
Filled	بُ	`cv70=1`
Short	بُ	`cv70=2`
Crossed	بُ	`cv70=3`

Dammatan

Affects: U+064C

Feature	Sample	Feature setting
Standard	بٌ	`cv72=0`
Six-nine	بٌ	`cv72=1`
Two-nine	بٌ	`cv72=2`

Inverted Damma

Affects: U+0657

Feature	Sample	Feature setting
Default	◌ٗ ب	`cv74=0`
Hollow	◌ٗ ب	`cv74=1`
Filled	◌ٗ ب	`cv74=2`

Superscript Alef

Affects: U+0670 on all yeh, sad and seen-like characters U+0620, U+0626, U+0633, U+0634, U+0635, U+0636, U+063D, U+063E, U+063F, U+0649, U+064A, U+0678, U+069A, U+069B, U+069C, U+069D, U+069E, U+06CC, U+06CD, U+06CE, U+06D0, U+06D1, U+06FA, U+06FB, U+075C, U+076D, U+0770, U+077D, U+077E, U+0775, U+0776, U+0777, U+08A8, U+08A9, U+08AF, U+08BA

Feature	Sample	Feature setting
Default	ىٰ ۢىٰ ئٰ ئٰئٰ سٰ سٰسٰ شٰ شٰشٰ صٰ صٰصٰ ضٰ ضٰضٰ ىٰ ۢىٰ تٰ تٰتٰ ثٰ ثٰثٰ ىٰ ىٰ يٰ يٰي ىٰ ىٰ بٰ بٰبٰ پٰ پٰپٰ ڀٰ ڀٰڀٰ صٰ صٰصٰ ضٰ ضٰضٰ ىٰ ىٰ ىٰ بىٰ ىٰ ۠ىٰ ۢىٰ ۢىٰ ۢىٰ پىٰ پىٰ ڀىٰ ڀٰڀٰ ضٰ ضٰضٰ ڻٰ ڻٰڻٰ ٺٰ ٺٰٺٰ ٽٰ ٽٰٽٰ ٽٰ ٽٰٽٰ شٰ شٰشٰ ىٰ ۢىٰ ۢىٰ ۢىٰ ۢىٰ ۢىٰ ۢىٰ ىٰ ئٰئٰ ۢىٰ ۢىٰ صٰ صٰصٰ ۢىٰ ۢىٰ	cv76=0
Large	ىٰ ۢىٰ ىٰ ئٰ ئٰئٰ سٰ سٰسٰ شٰ شٰشٰ صٰ صٰصٰ ضٰ ضٰضٰ ىٰ ۢىٰ تٰ تٰتٰ ثٰ ثٰثٰ ىٰ ىٰ يٰ يٰي ىٰ ىٰ بٰ بٰبٰ پٰ پٰپٰ ڀٰ ڀٰڀٰ صٰ صٰصٰ ضٰ ضٰضٰ ىٰ ىٰ ىٰ بىٰ ىٰ ۠ىٰ ۢىٰ ۢىٰ ۢىٰ پىٰ پىٰ ڀىٰ ڀٰڀٰ ضٰ ضٰضٰ ڻٰ ڻٰڻٰ ٺٰ ٺٰٺٰ ٽٰ ٽٰٽٰ ٽٰ ٽٰٽٰ شٰ شٰشٰ ىٰ ۢىٰ ۢىٰ ۢىٰ ۢىٰ ۢىٰ ۢىٰ ىٰ ئٰئٰ ۢىٰ ۢىٰ صٰ صٰصٰ ۢىٰ ۢىٰ	cv76=1
Small	ىٰ ۢىٰ ىٰ ئٰ ئٰئٰ سٰ سٰسٰ شٰ شٰشٰ صٰ صٰصٰ ضٰ ضٰضٰ ىٰ ۢىٰ تٰ تٰتٰ ثٰ ثٰثٰ ىٰ ىٰ يٰ يٰي ىٰ ىٰ بٰ بٰبٰ پٰ پٰپٰ ڀٰ ڀٰڀٰ صٰ صٰصٰ ضٰ ضٰضٰ ىٰ ىٰ ىٰ	cv76=2

Feature	Sample	Feature setting
	بِۦ ىٰ ٮٰ ىٰ ٮٰ ٮِۦ ٮٖ ٮٗ ٮٕ ٮٓ ٮٔ ٮٕ ٮٓ ٮٔ ٮٕ ٮٓ ٮٔ

Honorific ligatures

Affects: U+FD40..U+FD4F, U+FDCF, U+FDFA..U+FDFB, U+FDFD..U+FDFF

Feature	Sample	Feature setting
Calligraphic	رحمهم الله تبارك وتعالى عليها السلام وصلى الله عليه وآله وسلم قدس سره عليه الصلاة والسلام عليهما السلام عليهم السلام عليه السلام صلى الله عليه وآله رضي الله عنهن رضي الله عنهما رضي الله عنهم رضي الله عنها رضي الله عنه رحمه الله عليه وسلم صلى الله عليه وسلم جل جلاله بسم الله الرحمن الرحيم عز وجل عز وجل	cv81=0
Simplified	رحمهم الله تبارك وتعالى عليها السلام صلى الله عليه وآله وسلم قدس سره عليه الصلاة والسلام عليهما السلام عليهم السلام عليه السلام صلى الله عليه وآله رضي الله عنهن رضي الله عنهما رضي الله عنهم رضي الله عنها رضي الله عنه رحمه الله عليه وسلم صلى الله عليه وسلم جل جلاله بسم الله الرحمن الرحيم عز وجل عز وجل	cv81=1

Eastern digits

Affects: U+06F4, U+06F6, U+06F7

Feature	Sample	Feature setting
Standard	۴۶۷	cv82=0
Sindhi-style	۴٦۷	cv82=1
Urdu-style	۴٦۷	cv82=2
Kurdish-style	۴۶۷	cv82=3
Rohingya-style	٤٦۷	cv82=4
Default	۴٦۷	cv82=5

Comma

Affects: U+060C, U+061B (This feature is not recommended for use. The Unicode Standard recommends the use of م U+2E41 and ؛ U+204F instead.)

Feature	Sample	Feature setting
Upward	؛ ،	cv84=0
Downward	؛ م	cv84=1

Decimal separator

Affects: U+066B

Feature	Sample	Feature setting
Small reh	ر	cv85=0
Slash	/	cv85=1

Other user font features

Line spacing

This feature is only available in TypeTuner Web.

Allows for adjustment of the default line spacing in the font (values shown are ordered in increasing line spacing).

Feature
Tight
Normal
Loose

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