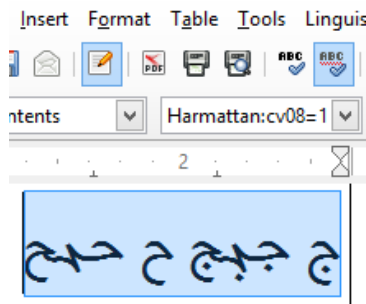


Font Features for Harmattan

When Harmattan is used in applications that support [Graphite](#) or OpenType, 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 Graphite font features can be turned on by choosing the font (ie Harmattan), followed by a colon, followed by the feature ID, and then followed by the feature setting. So, for example, if the “Jeem/Hah” handwriting variant is desired, the font selection would be “Harmattan:cv08=1”.



If you wish to apply two (or more) features, you can separate them with an “&”. Thus, “Harmattan:cv08=1&cv20=1” would apply the “Jeem/Hah” plus the “Sad/Dad” feature.

Character variants can be used in Mozilla Firefox. A description of how to use the Graphite 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

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.






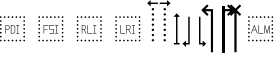
The following font features are available in Harmattan:

Feature Name	Feature ID	Feature Setting	Example	TypeTuner Notes ¹
Alef diacritic placement (U+0623, U+0625, U+0627, U+064E, U+0650, U+0654, U+0655)	cv02	0=Standard	أَلِفْ لَآلَآ	G,O,T
		1=Hamza touching XeTeX: "Harmattan/GR:Alef diacritic placement=Hamza touching"	أَلِفْ لَآلَآ	
		2=Touching XeTeX: "Harmattan/GR:Alef diacritic placement=Touching"	أَلِفْ لَآلَآ	
Jeem/Hah (U+062C, U+062D, U+062E, U+0682, U+0683, U+0684, U+0685, U+0686, U+06BF, U+0757, U+0758, U+08A2)	cv08	0=Standard	ج جج ح حح خ خخ غ غغ ج جج ج جج خ خخ ج جج چ چچ خ خخ ج جج ج جج ج جج	G,O,T
		1=Handwritten XeTeX: "Harmattan/GR:Jeem/Hah=Handwritten"	ج جج ح حح خ خخ غ غغ ج جج ج جج خ خخ ج جج چ چچ خ خخ ج جج ج جج ج جج	
Sad/Dad (U+0635, U+0636, U+069D, U+069E, U+06FB, U+08AF)	cv20	0=Standard	ص صص ض ضض ی ی ی ی ی ی ی ی ی ی ض ضض ض ض ض ی ی ی ی ی ی ی ی ی ی	G,O,T
		1=Half XeTeX: "Harmattan/GR:Sad/Dad=Half"	ص صص ض ضض ی ی ی ی ی ی ی ی ی ی ض ضض ض ض ض ی ی ی ی ی ی ی ی ی ی	

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	Example	TypeTuner Notes
Meem (U+0645, U+0765, U+0766, U+08A7)	cv44	0=Standard	م ممر فر فففر بر بببر ثر ثثثر	G,O,T
		1=Sindhi-style XeTeX: "Harmattan/GR:Meem=Sindhi-style"	م ممر ف فففر ب بببر ث ثثثر	
Maddah (U+0622, U+0627+U+0653, U+0653)	cv60	0=Small	آ آآ	G,O,T
		1=Large	آ آآ	
Shadda+kasra placement (U+064D, U+0650 with U+0651)	cv62	0=Raised	بُ بْ بْ بْ	G,O,T
		1=Lowered XeTeX: "Harmattan/GR:Shadda+kasra placement=Lowered"	بْ بْ بْ بْ	
Damma (U+064F)	cv70	0=Standard	بْ بْ	G,O,T
		2=Short XeTeX: "Harmattan/GR:Damma=Filled"	بْ بْ	
Dammatan (U+064C)	cv72	0=Standard	بْ بْ	G,O,T
		1=Six-nine XeTeX: "Harmattan/GR:Dammatan=Six-nine"	بْ بْ	

Feature Name	Feature ID	Feature Setting	Example	TypeTuner Notes
Superscript Alef (U+0670 on all yeh, sad and seen-like characters U+0649 U+064A U+06D0 U+06D1 U+06CC U+0635 U+0636 U+069D U+069E U+06FB U+08AF U+0633 U+0634 U+069A U+069B U+069C U+06FA U+076D U+077E)	cv76	0=Small	ى لى ي يلى ي پى پى ي پى ي لى لى ص ط ص ض ضضض ض ضضض ض ضضض ض ضضض چ چچچ س سسس ش ششش بن بنبنبن پ پپپپ پ پپپپ پ پپپپ پ پپپپ ش ششش	G,O,T
		1=Large XeTeX: "Harmattan/GR:Superscript Alef=Large"	ى لى ي يلى ي پى پى ي پى ي لى لى ص ط ص ض ضضض ض ضضض ض ضضض ض ضضض چ چچچ س سسس ش ششش بن بنبنبن پ پپپپ پ پپپپ پ پپپپ پ پپپپ ش ششش	
Sukun (U+0652)	cv78	0=Closed	بْ	G,O,T
		1=Open down XeTeX: "Harmattan/GR:Sukun=Open down"	بْ	
		2=Open left XeTeX: "Harmattan/GR:Sukun=Open left"	بْ	

Feature Name	Feature ID	Feature Setting	Example	TypeTuner Notes
End of ayah (U+06DD)	cv80	0=Standard		G,O,T
		1=Simplified A XeTeX: "Harmattan/GR:End of ayah=Simplified A"		
		2=Simplified B XeTeX: "Harmattan/GR:End of ayah=Simplified B"		
Comma (U+060C, U+061B)	cv84	0=Upward		G,O,T
		1=Downward XeTeX: "Harmattan/GR:Comma=Downward"		
Line spacing		Tight Normal Loose	Allows for adjustment of the default line spacing in the font (values shown are ordered in increasing line spacing).	T
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: "Harmattan/GR:Show invisible characters=True"		
Line spacing		Normal Loose	Allows for adjustment of the default line spacing in the font.	T