

Doulos SIL Font Features

Doulos SIL is an OpenType-enabled font that supports the Latin and Cyrillic scripts. It includes a number of optional features that may be useful or required for particular uses or languages. These OpenType features are primarily specified using four-letter tags (e.g. 'cv17'), although some applications may provide a direct way to control certain common features such as small caps. This document lists all the available features.

To learn how to access these features for web pages or in individual apps, please see [Using Font Features](#).

This page uses web fonts (WOFF2) to demonstrate font features and should display correctly in all modern browsers. For a more concise example of how to use Doulos SIL as a web font see [Doulos SIL Webfont Example](#). See [Using SIL Fonts on Web Pages: OpenType and Graphite feature support](#) for more information.

If this document is not displaying correctly a PDF version is also provided.

Complete feature list

Stylistic alternates

Small caps from lowercase

Affects: all lowercase letters with capital equivalents

Feature	Sample	Feature setting
Standard	a ... Z (all letters with capital equivalents)	smcp=0
Small caps	A ... Z (all letters with capital equivalents)	smcp=1

Small caps from capitals

Affects: all capitals

Feature	Sample	Feature setting
Standard	A ... Z (all capitals)	c2sc=0
Small caps	A ... Z (all capitals)	c2sc=1

Literacy a and g

Affects: 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

[illegible]

Literacy a (only)

Affects: 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

Feature	Sample	Feature setting
Standard	a à á â ã ä å ā ă ą ǎ ā ǻ ȁ ȡ Ȣ Ȥ ȥ Ȧ ȧ Ȩ ȩ Ȫ ȫ Ȭ ȭ Ȯ ȯ Ȱ ȱ Ȳ ȳ ȴ ȵ ȶ ȷ ȸ ȹ Ⱥ Ȼ ȼ Ƚ Ⱦ ȿ Ⴀ Ⴁ Ⴂ Ⴃ Ⴄ Ⴅ Ⴆ Ⴇ Ⴈ Ⴉ Ⴊ Ⴋ Ⴌ Ⴍ Ⴎ Ⴏ Ⴐ Ⴑ Ⴒ Ⴓ Ⴔ Ⴕ Ⴖ Ⴗ Ⴘ Ⴙ Ⴚ Ⴛ Ⴜ Ⴝ Ⴞ Ⴟ Ⴠ Ⴡ Ⴢ Ⴣ Ⴤ Ⴥ ჆ Ⴧ ჈ ჉ ჊ ჋ ჌ Ⴭ ჎ ჏ ა ბ გ დ ე ვ ზ თ ი კ ლ მ ნ ო ა ბ გ დ ე ვ ზ თ ი კ ლ მ ნ უ რ ს ქ წ ტ ყ წ ფ შ ძ ც ჯ ჩ ზ	ss11=0
Single-story	ɑ ̀ ́ ̂ ̃ ̄ ̅ ̆ ̇ ̈ ̉ ̊ ̋ ̌ ̍ ̎ ̏ ̐ ̑ ̒ ̓ ̔ ̕ ̖ ̗ ̘ ̙ ̚ ̛ ̜ ̝ ̞ ̟ ̠ ̡ ̢ ̣ ̤ ̥ ̦ ̧ ̨ ̩ ̪ ̫ ̬ ̭ ̮ ̯ ̰ ̱ ̲ ̳ ̴ ̵ ̶ ̷ ̸ ̹ ̺ ̻ ̼ ̽ ̾ ̿ Ⴀ Ⴁ Ⴂ Ⴃ Ⴄ Ⴅ Ⴆ Ⴇ Ⴈ Ⴉ Ⴊ Ⴋ Ⴌ Ⴍ Ⴎ Ⴏ Ⴐ Ⴑ Ⴒ Ⴓ Ⴔ Ⴕ Ⴖ Ⴗ Ⴘ Ⴙ Ⴚ Ⴛ Ⴜ Ⴝ Ⴞ Ⴟ Ⴠ Ⴡ Ⴢ Ⴣ Ⴤ Ⴥ ჆ Ⴧ ჈ ჉ ჊ ჋ ჌ Ⴭ ჎ ჏ ა ბ გ დ ე ვ ზ თ ი კ ლ მ ნ ო ა ბ გ დ ე ვ ზ თ ი კ ლ მ ნ უ რ ს ქ წ ტ ყ წ ფ შ ძ ც ჯ ჩ ზ	ss11=1

Literacy g (only)

Affects: U+0067 U+011D U+011F U+0121 U+0123 U+01E7 U+01F5 U+01E5 U+1E21 U+A7A1 U+1D4D

Feature	Sample	Feature setting
Standard	$\mathbf{g \hat{g} \check{g} \dot{g} \acute{g} \grave{g} \text{ } \bar{g} \text{ } ^g}$	$ss12=0$
Single-story	$\mathbf{g \hat{g} \check{g} \dot{g} \acute{g} \grave{g} \text{ } \bar{g} \text{ } ^g}$	$ss12=1$

Barred-bowl forms

Affects: U+0111 U+0180 U+01E5

Feature	Sample	Feature setting
Standard	$\hat{d} \hat{b} \hat{g}$	ss04=0
Barred-bowl	$\hat{d} \hat{b} \hat{g}$	ss04=1

Character alternates

B hook

Affects: U+0181

Feature	Sample	Feature setting
Standard	Б	cv13=0
Lowercase-style	Б	cv13=1

D hook

Affects: U+018A

Feature	Sample	Feature setting
Standard	\mathcal{D}	cv17=0
Lowercase-style	\mathcal{d}	cv17=1

H stroke

Affects: U+0126

Feature	Sample	Feature setting
Standard	Ĥ	cv28=0
Vertical stroke	Ħ	cv28=1

J stroke hook

Affects: U+0284

Feature	Sample	Feature setting
Standard	ƒ	cv37=0
Top serif	ƒ	cv37=1

Eng

Affects: U+014A

Feature	Sample	Feature setting
Standard	ŋ	cv43=0
Lowercase style on baseline	ɳ	cv43=1
Uppercase style with descender	ɴ	cv43=2
Alt. lowercase style on baseline	ɲ	cv43=3

N left hook

Affects: U+019D

Feature	Sample	Feature setting
Standard	Ɲ	cv44=0
Lowercase-style	ɳ	cv44=1

Open-O

Affects: U+0186 U+0254 U+1D10 U+1D53 U+1D97

Feature	Sample	Feature setting
Standard	Ɔ ɔ ɔ ɔ ɔ	cv46=0
Top serif	Ɔ ɔ ɔ ɔ ɔ	cv46=1

OU

Affects: U+0222 U+0223 U+1D3D U+1D15

Feature	Sample	Feature setting
---------	--------	-----------------

Feature	Sample	Feature setting
Standard	8 8 8 ⁸	cv47=0
Open	8 8 8 ⁸	cv47=1

p hook

Affects: U+01A5

Feature	Sample	Feature setting
Standard	þ	cv49=0
Right hook	p̣	cv49=1

R tail

Affects: U+2C64

Feature	Sample	Feature setting
Standard	Ŕ	cv55=0
Lowercase-style	ŕ	cv55=1

T hook

Affects: U+01AC

Feature	Sample	Feature setting
Standard	Ŧ	cv57=0
Right hook	Ṭ	cv57=1

V hook

Affects: U+01B2 U+028B U+1DB9

Feature	Sample	Feature setting
Standard	Ū ū ^ū	cv62=0
Straight with low hook	Ŵ ŵ ^ŵ	cv62=1
Straight with high hook	Ŷ ŷ ^ŷ	cv62=2



Y hook

Affects: U+01B3

Feature	Sample	Feature setting
Standard	Ÿ	cv68=0
Left hook	Ỵ	cv68=1

Ezh

Affects: U+01B7 U+04E0

Feature	Sample	Feature setting
Standard		cv20=0
Reversed sigma		cv20=1

ezh curl

Affects: U+0293

Feature	Sample	Feature setting
Standard	3	cv19=0
Large bowl	3	cv19=1

rams horn

Affects: U+0264

Feature	Sample	Feature setting
Standard	γ	cv25=0
Large bowl	$\bar{\mathcal{O}}$	cv25=1
Small gamma	γ	cv25=2

Diacritic and symbol alternates



Vietnamese-style diacritics

Affects: 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

Feature	Sample	Feature setting
Standard	Áá Àà Ăă Ãã Ää Åå Ææ Èè Êê Ëë Óó Òò Ôô Õõ	cv75=0
Vietnamese-style	Ấấ Ẫẫ Ằằ Ẵẵ Ẳẳ Ẵẵ Ằằ Ẵẵ Ếế Ềề Ểể Ễễ Ớớ Ồồ Ổổ Ỗỗ	cv75=1

Kayan diacritics

Affects: U+0300 U+0301

Feature	Sample	Feature setting
Standard		cv79=0
Side by side		cv79=1

Ogonek

Affects: 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

Feature	Sample	Feature setting
Standard	anything with ą (Ąą Ęę Įį Ųų Ųų Ųų Ųų)	cv76=0
Straight	anything with ą (Ąą Ęę Įį Ųų Ųų Ųų Ųų)	cv76=1

Caron

Affects: U+010F U+013D U+013E U+0165

Feature	Sample	Feature setting
Standard	ď Ľ ľ ǵ	cv77=0
Global-style	ǵ Ľ ľ ǵ	cv77=1

Modifier apostrophe

Affects: U+02BC U+A78B U+A78C

Feature	Sample	Feature setting
Standard	’ ’ ’	cv70=0
Large	’ ’ ’	cv70=1

Modifier colon

Affects: U+A789

Feature	Sample	Feature setting
Standard	:	cv71=0
Expanded	:	cv71=1

Empty set

Affects: U+2205

Feature	Sample	Feature setting
Standard	∅	cv98=0
Zero-style	∅	cv98=1

Cyrillic alternates

There are also Cyrillic characters affected by the “Ezh” and “Small capitals” features. Some languages may also use the “Modifier apostrophe”.

Cyrillic E

Affects: U+042D U+044D

Feature	Sample	Feature setting
---------	--------	-----------------

Feature	Sample	Feature setting
Standard	ᠡ ᠢ	cv80=0
Mongolian-style	ᠡ ᠢ	cv80=1

Cyrillic shha

Affects: U+04BB

Feature	Sample	Feature setting
Standard	Һ	cv81=0
Uppercase-style	Һ	cv81=1

Cyrillic breve

Affects: U+0306

Feature	Sample	Feature setting
Standard	anything with ь (ӕӕ)	cv82=0
Cyrillic-style	anything with ь (ӕӕ)	cv82=1

Serbian Cyrillic alternate

Unlike other features this is activated by tagging the span of text as being in the Serbian language, not by turning on an OpenType feature.

Affects: U+0431

Feature	Sample	Feature setting
Standard	Ђ	
Serbian	Ђ	lang='sr'

Tone alternates

Chinantec tones

Affects: U+02CB U+02C8 U+02C9 U+02CA

Feature	Sample	Feature setting
Standard	˘ ˙ ˉ ˊ	cv90=0
Chinantec-style	˘ ˙ ˉ ˊ	cv90=1

Tone numbers

Affects: U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716

Feature	Sample	Feature setting
Standard	ᳵ ᳶ ᳷ ᳸ ᳹ ᳺ ᳻ ᳼ ᳽	cv91=0

Feature	Sample	Feature setting
Numbers	5 4 3 2 1 5 4 3 2 1	cv91=1

This guide is from the [Doulos SIL project](#) version 5.960 beta2 and is copyright © 1994-2021 SIL International.