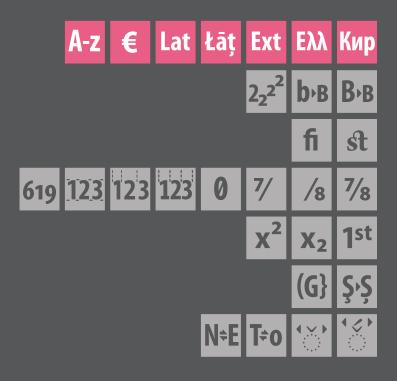
Fira Sans Light

Carrois' Technical Documentation



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Encoded Characters

All encoded characters should be accessible with every unicode capable application. For details about Unicode Blocks visist the <u>Unicode Website</u>.

Basic Latin

Block from 0000 to 007F

000D	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	002A	002B	002C	002D	002E
		i	11	#	\$	%	&	1	()	*	+	,	_	•
002F	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	003A	003B	003C	003D	003E
/	0	1	2	3	4	5	6	7	8	9	•	•	<	=	>
003F	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	004A	004B	004C	004D	004E
?	@	А	В	C	D	Ε	F	G	Н		J	Κ	L	M	Ν
004F	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	005A	005B	005C	005D	005E
0	Р	Q	R	S	Τ	U	V	W	X	Υ	Z	[\]	^
005F	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	006A	006B	006C	006D	006E
_		a	b	С	d	е	f	g	h	i	j	k	l	m	n
006F	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	007A	007B	007C	007D	007E
Ο	р	q	r	S	t	U	V	W	Χ	У	Z	{		}	~

Latin-1 Supplement

Block from 0080 to 00FF

00A0	00A1	00A2	00A3	00A4	00A5	00A6	00A7	00A8	00A9	00AA	00AB	00AC	00AD	00AE	00AF
	i	¢	£	¤	¥	1	§	••	©	<u>a</u>	<<	¬	_	®	_
00B0	00B1	00B2	00B3	00B4	00B5	00B6	00B7	00B8	00B9	00BA	00BB	00BC	00BD	00BE	00BF
0	<u>±</u>	2	3	_	μ	\P	•	5	1	0	>>	1/4	1/2	3/4	خ
00C0	00C1	00C2	00C3	00C4	00C5	00C6	00C7	00C8	00C9	00CA	00CB	00CC	00CD	00CE	00CF
À	Á	Â	Ã	Ä	Å	Æ	Ç	È	É	Ê	Ë	Ì	ĺ	Î	Ϊ
00D0	00D1	00D2	00D3	00D4	00D5	00D6	00D7	00D8	00D9	00DA	00DB	00DC	00DD	00DE	00DF
Ð	Ñ	Ò	Ó	Ô	Õ	Ö	×	Ø	Ù	Ú	Û	Ü	Ý	Þ	ß
00E0	00E1	00E2	00E3	00E4	00E5	00E6	00E7	00E8	00E9	00EA	00EB	00EC	00ED	00EE	00EF
à	á	â	ã	ä	å	æ	Ç	è	é	ê	ë	ì	ĺ	î	ï
00F0	00F1	00F2	00F3	00F4	00F5	00F6	00F7	00F8	00F9	00FA	00FB	00FC	00FD	00FE	00FF
ð	ñ	À	Ó	ô	õ	ö	÷	Ø	ù	Ú	û	ü	Ý	þ	Ÿ

Latin Extended-A

Block from	0100	to	017F
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0100	0101	0102	0103	0104	0105	0106	0107	0108	0109	010A	010B	010C	010D	010E	010F
Ā	ā	Ă	ă	Ą	ą	Ć	Ć	Ĉ	Ĉ	Ċ	Ċ	Č	č	Ď	ď
0110	0111	0112	0113	0114	0115	0116	0117	0118	0119	011A	011B	011C	011D	011E	011F
Ð	đ	Ē	ē	Ĕ	ĕ	Ė	ė	Ę	ę	Ě	ě	Ĝ	ĝ	Ğ	ğ
0120	0121	0122	0123	0124	0125	0126	0127	0128	0129	012A	012B	012C	012D	012E	012F
Ġ	ġ	Ģ	ģ	Ĥ	ĥ	Ħ	ħ	Ĩ	ĩ	Ī	Ī	Ĭ	Ĭ	Į	į
0130	0131	0132	0133	0134	0135	0136	0137	0138	0139	013A	013B	013C	013D	013E	013F
İ		IJ	ij	Ĵ	ĵ	Ķ	ķ	Κ	Ĺ	ĺ	Ļ	ļ	Ľ	['	Ŀ
0140	0141	0142	0143	0144	0145	0146	0147	0148	0149	014A	014B	014C	014D	014E	014F
ŀ	Ł	ł	Ń	ń	Ν	n	Ň	ň	'n	Ŋ	ŋ	Ō	Ō	Ŏ	ŏ
						,		• •	• •	٠,	٠,		•	_	_
0150	0151	0152	0153	0154	0155	0156	0157	0158	0159	015A	015B	015C	015D	015E	015F
⁰¹⁵⁰	0151 "	0152	0153		,					,	,			015E S	_
	ő	\sim		0154	0155	0156 R	0157	0158	0159	015A	015B	015C	015D	Ş	015F Ş 016F
Ő	ő	Œ	œ	0154 Ř	0155	0156 Ŗ	0157	0158 Ř	0159 ř	015A Ś	015B Ś	015C Ŝ	015D Ŝ	Ş	015F Ş
Ő	ő	Œ	O163	0154 Ř	0155	0156 R 0166	0157 , 0167	0158 Ř 0168	0159 r 0169	015A Ś	015B S 016B	015C Ŝ	015D \$ 016D	S 016E	015F Ş 016F

Latin Extended-B

Block from 0180 to 024F



Spacing Modifier Letters

Block from 02B0 to 02FF



Combining Diacritical Marks

Block from 0300 to 036F

0300	0301						0308						0326	0327
		^	-	_	Ū	•	• • •	J	•	•	,	•		

Greek and Coptic

Dia al. f. a	0.70	1	nzrr
Block from	U3/U	TO 1	ひろたた

0384	0385	0386	0388	0389	038A	038C	038E	038F	0390	0391	0392	0393	0394	0395	0396
,	./.	Ά	Έ	Ή	"	\circ	Ύ	Ώ	Ϊ	А	В	Γ	Δ	Ε	Ζ
0397	0398	0399	039A	039B	039C	039D	039E	039F	03A0	03A1	03A3	03A4	03A5	03A6	03A7
Н	Θ		K	\land	Μ	Ν	Ξ	Ο	П	Р	Σ	Τ	Υ	Φ	X
03A8	03A9	03AA	03AB	03AC	03AD	03AE	03AF	03B0	03B1	03B2	03B3	03B4	03B5	03B6	03B7
Ш	\bigcirc	ï	ij	۲.	<u>'</u>	<u>,′</u>	!	:':	~	\circ		C	_	7	
Ψ	()		Y	ά	έ	ή	ί	ΰ	α	β	γ	δ	3	ζ	η
03B8	03B9	03BA	Y 03BB	O3BC	03BD	(1) 03BE	03BF	03C0	O3C1)3C2	03C3	O 03C4	03C5	03C6	03C7
		1 03BA К				ı	03BF		03C1	03C2	03C3			ς 03C6 Ψ	
			03BB	03BC	03BD	03BE	03BF	03C0	03C1	03C2	03C3	03C4	03C5		03C7

Cyrillic

Block from 0400 to 04FF

0400	0401	0402	0403	0404	0405	0406	0407	0408	0409	040A	040B	040C	040D	040E	040F
È	Ë	Ђ	ŕ	\in	S		Ϊ	J	Љ	Њ	ħ	Ŕ	Ň	Ў	Ų
0410	0411	0412	0413	0414	0415	0416	0417	0418	0419	041A	041B	041C	041D	041E	041F
Α	Б	В	Γ	Д	Ε	Ж	3	И	Й	К	Л	Μ	Н	0	П
0420	0421	0422	0423	0424	0425	0426	0427	0428	0429	042A	042B	042C	042D	042E	042F
Р	C	Τ	У	Ф	X	Ц	Ч	Ш	Щ	Ъ	Ы	Ь	Э	Ю	Я
0430	0431	0432	0433	0434	0435	0436	0437	0438	0439	043A	043B	043C	043D	043E	043F
a	б	В	Γ	Д	е	Ж	3	И	Й	К	Л	Μ	Н	0	П
0440	0441	0442	0443	0444	0445	0446	0447	0448	0449	044A	044B	044C	044D	044E	044F
р	C	Т	У	ф	Χ	Ц	Ч	Ш	Щ	Ъ	Ы	Ь	Э	Ю	Я
p 0450	C	0452	y 0453	ф 0454	X 0455	0456	0457	0458	0459	Ъ 045A	Ы 045В	b	3	Ю 045E	Я
•	C 0451 Ë	_		ф 0454 Е		•			•						
0450	••	0452	0453		0455	•	0457	0458	0459	045A	045B	045C	045D	045E	045F
0450 è	ë	⁰⁴⁵²	0453	ϵ	0455 S	0456	0457	0458	о459 Љ	045A Њ	045B	045C	045D	045E ў	045F
0450 e 0462	ë 0463	0452 ħ	0453 C 0473	E 0474	O455 S O475	0456	0457	0458	0459 Љ 0493	045A H 0496	045B † 0497	045C K 0498	045D 1 0499	045E y 049A	045F
о450 è о462 Б	ë 0463 5	0452	0453	6 0474 V	0455 S 0475 V	0456 1 0490	0457 	0458 j 0492	0459 Љ 0493 F	045A H b 0496 Ж	о45В ћ о497 Ж	045C K 0498	045D N 0499 3	045E y 049A K	045F
0450 è 0462 B 0490	ë 0463 5 049D	0452	0453	6 0474 V	0455 S 0475 V 04A3	0456 1 0490	0457 0491 	0458 j 0492	0459 D 0493 F 04AD	045A 10496 10496 104AE	045B 1 0497 1 04AF	045C K 0498 3 04B0	045D N 0499 3	045E y 049A K 04B2	045F U 049B K 04B3

04D4	04D5	04D6	04D7	04D8	04D9	04DA	04DB	04DC	04DD	04DE	04DF	04E2	04E3	04E4	04E5
Æ	æ	Ĕ	ĕ	Э	Э	Ë	ä	Ӝ	ж	ä	 3	Й	Й	Й	Й
04E6	04E7	04E8	04E9	04EA	04EB	04EC	04ED	04EE	04EF	04F0	04F1	04F2	04F3	04F4	04F5
Ö	ö	θ	θ	Ä	ë	Ë	Ë	У	ӯ	ÿ	ÿ	Ӳ	ű	Ÿ	ÿ
04F6	04F7	04F8	04F9												
Ţ	Ţ	Ӹ	.: Ы												

Cyrillic Supplement

Block from 0500 to 052F

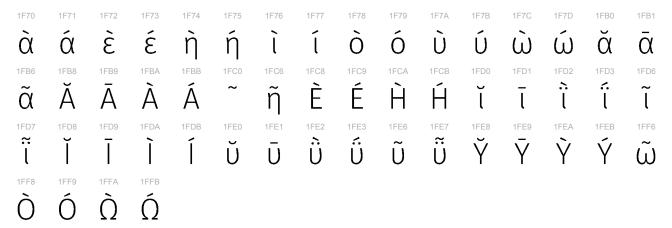
051C 051D 0524 0525 0526 0527

Latin Extended Additional

Block from 1E00 to 1EFF

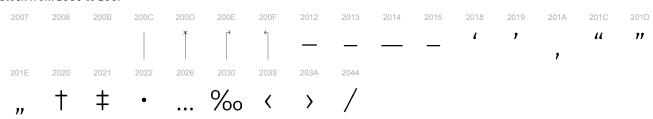
Greek Extended

Block from 1F00 to 1FFF



General Punctuation

Block from 2000 to 206F



Superscripts and Subscripts

Block from 2070 to 209F

2070	2074	2075	2076	2077	2078	2079	207A	207B	207C	207D	207E	2080	2081	2082	2083
0	4	5	6	7	8	9	+	-	=	()	0	1	2	3
2084	2085	2086	2087	2088	2089	208A	208B	208C	208D	208E					
4	5	6	7	8	9	+	-	=	()					

Currency Symbols

Block from 20A0 to 20CF

20AC



Letterlike Symbols

Block from 2100 to 214F



Number Forms

Block from 2150 to 218F

										215D		
1/3	4/3	1/5	4/5	<i>3</i> /5	4/5	1/6	3/6	'/ጸ	3/8	5/8	′ /8	- 1/

Arrows

Block from 2190 to 21FF



Mathematical Operators

Block from 2200 to 22FF



Miscellaneous Technical

Block from 2300 to 23FF

2326

2327

2328

232B

23CE









Geometric Shapes

Block from 25A0 to 25FF

25AF 25CA



Dingbats

Block from 2700 to 27BF



Miscellaneous Symbols and Arrows

Block from 2B00 to 2BFF







Private Use Area

Block from E000 to F8FF







Alphabetic Presentation Forms

Block from FB00 to FB4F

FB01 FB02





Arabic Presentation Forms-B

Block from FE70 to FEFF

FEFF

Unencoded Glyphs

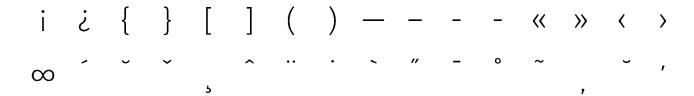
All unencoded glyphs are accessible with OpenType layout feature capable applications. For a complete list of supported OpenType layout features see the next section.

Small Capitals From Capitals, Small Capitals

Α	Á	Ă	Â	Ä	À	Ā	Ą	Å	Ã	Æ	É	В	С	Ć	Č
Ç	Ĉ	Ċ	D	Đ	Ď	Ð	Ε	É	Ĕ	Ě	Ê	Ë	Ė	È	Ē
Ę	F	G	Ğ	Ĝ	Ģ	Ġ	Н	Ħ	Ĥ	1	ĺ	Ĭ	Î	ï	į
Ì	IJ	Ī	Į	ĩ	J	ĵ	K	Ķ	L	Ĺ	Ľ	Ļ	Ĺ	Ł	Μ
N	Ń	Ň	Ņ	Ŋ	\tilde{N}	Ο	Ó	Ŏ	Ô	Ö	Ò	Ő	Ō	Ø	Ó
Õ	Œ	Р	Þ	Q	R	Ŕ	Ř	Ŗ	S	Ś	Š	Ş	ŝ	Ş	Т
Ŧ	Ť	Ţ	Ţ	U	Ú	Ŭ	Û	Ü	Ù	Ű	Ū	Ų	Ů	Ũ	V
		\^.	٠	۱۸۱	Χ	Υ	Ý	Ŷ	Ÿ	Ŷ	Z	Ź	ž	ż	Α
W	W	VV	VV	VV	/\	•									
	W B														
Б		Γ	ŕ	۲	Д		È	Ë	Ж	3	И	Й	Й	К	Ŕ
Б	В	Г	Γ́Ο	Ґ П	Д P	Ε	È	Ë y	Ж	3 Ф	Х	й Ч	Ѝ Ц	КШ	Ќ Щ
Б Л Џ	B M	Г Н Ь	Ѓ О Ъ	Г П	Д Р Љ	Е С Њ	È T S	Ë y €	ж ў э	3 Ф	И Х ;	Й Ч Ј	Й Ц Ћ	К Ш Ю	Ќ Щ Ђ
Б Л Џ Ъ	В М Я	Г Н Ь V	Ѓ О Ъ Ғ	Ґ П Ы Җ	Д Р Љ	Е С Њ Қ	È T S	Ë y E K	ж ў э ң	3 Ф І	И Х ;	Й Ч Ј Ţ	Й Ц Ћ Ү	К Ш Ю Ұ	Ќ Щ Ђ Ҳ



Case-Sensitive Forms



Discretionary Ligatures



Denominators

```
( ) = - +
```

Denominators, Fractions

0 1 2 3 4 5 6 7 8 9

Fractions, Numerators

0 1 2 3 4 5 6 7 8 9

Localized Forms

ĆŃÓŚŹiĆńÓŚŹ

Numerators

() = - +

Old Style Figures, Proportional Figures

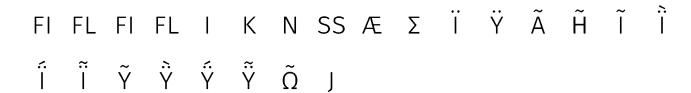
0 1 2 3 4 5 6 7 8 9 # - ¢ \mathbb{X} £ ¥ \approx ~ \div = > ≥ ∞ \int < \leq ¬ - \times ≠ ∂ % % + \pm \prod $\sqrt{\Sigma}$ \Diamond § ° † \pm

Old Style Figures, Tabular Figures

Proportional Figures

€

Small Capitals



Tabular Figures

0 1 2 3 4 5 6 7 8 9 # - ¢
$$x \ \pm x \ \pm x \ \approx x \ \div x \ = x \ \Rightarrow x \ \pm x \ \Rightarrow x \ \Rightarrow x \ \pm x \ \Rightarrow x \ \pm x \ \Rightarrow x$$

Slashed Zero



Other



OpenType Layout Features

For details about OpenType Layout Features see the OpenType Layout tag registry.

Substitution Features



Access All Alternates

This feature makes all variations of a selected character accessible.



Small Capitals

This feature turns lowercase characters into small capitals. This corresponds to the common SC font layout. It is generally used for display lines set in Large and small caps, such as titles. Forms related to small capitals, such as oldstyle figures, may be included.



Small Capitals From Capitals

This feature turns capital characters into small capitals.



Standard Ligatures

Replaces a sequence of glyphs with a single glyph which is preferred for typographic purposes. This feature covers the ligatures which the designer/manufacturer judges should be used in normal conditions.



Discretionary Ligatures

Replaces a sequence of glyphs with a single glyph which is preferred for typographic purposes. This feature covers those ligatures which may be used for special effect, at the user's preference.



Old Style Figures

This feature changes selected figures from the default lining style to oldstyle form.



Lining Figures

This feature changes selected figures from oldstyle to the default lining form.



Proportional Figures

Replaces figure glyphs set on uniform (tabular) widths with corresponding glyphs set on glyph-specific (proportional) widths.



Tabular Figures

Replaces figure glyphs set on proportional widths with corresponding glyphs set on uniform (tabular) widths.



Slashed Zero

Some fonts contain both a default form of zero, and an alternative form which uses a diagonal slash through the counter. This feature allows the user to change from the default 0 to a slashed form.



Numerators

Replaces selected figures which precede a slash with numerator figures, and replaces the typographic slash with the fraction slash.



Denominators

Replaces selected figures which follow a slash with denominator figures.



Fractions

Replaces figures separated by a slash with 'common' (diagonal) fractions.



Superscript

Replaces lining or oldstyle figures with superior figures (primarily for footnote indication), and may replace lowercase letters with superior letters (primarily for abbreviated French titles).



Subscript

The "subs" feature may replace a default glyph with a subscript glypht.



Ordinals

Replaces default alphabetic glyphs with the corresponding ordinal forms for use after figures.



Case-Sensitive Forms

Shifts various punctuation marks up to a position that works better with all-capital sequences or sets of lining figures; also changes oldstyle figures to lining figures.



Localized Forms

This feature enables localized forms of glyphs to be substituted for default forms.

Positioning Features



Capital Spacing

Globally adjusts inter-glyph spacing for all-capital text. Most typefaces contain capitals and lowercase characters, and the capitals are positioned to work with the lowercase. When capitals are used for words, they need more space between them for legibility and esthetics.



Kerning

Adjusts amount of space between glyphs, generally to provide optically consistent spacing between glyphs.



Mark Positioning

Positions mark glyphs with respect to base glyphs.



Mark to Mark Positioning

Positions marks with respect to other marks. Required in various non-Latin scripts like Arabic.

Codepages

Mac₀S

MacOS Central Europe MacOS Croatian MacOS Cyrillic MacOS Greek MacOS Icelandic MacOS Roman MacOS Romanian MacOS Turkish

MS Windows

MS Windows 1250 Central European MS Windows 1251 Cyrillic MS Windows 1252 Western (ANSI) MS Windows 1253 Greek MS Windows 1254 Turkish MS Windows 1257 Baltic

ISO

ISO 8859- 1 Latin 1 (Western)
ISO 8859- 2 Latin 2 (Central Europe)
ISO 8859- 3 Latin 3 (Tu, Malt, Gal, Esp)
ISO 8859- 4 Latin 4 (Baltic)
ISO 8859- 5 Cyrillic

ISO 8859-9 Latin 5 (Turkish) ISO 8859-10 Latin 6 (Scandinavian) ISO 8859-13 Latin 7 (Baltic 2) ISO 8859-15 Latin 9 ISO 8859-16 Latin 10

Languages

Information about languages is mainly based on the Unicode Common Locale Data Repository. For details visit the <u>Unicode CLDR Project</u>.

Latin

Afar Afrikaans Albanian Asu Basque Bemba Bena Bosnian Breton Catalan Chiga Cornish Crimean Tatar Croatian Czech Danish Dutch Embu English Esperanto Estonian Faroese Filipino **Finnish** French Frisian West Friulian Ga

Galician Ganda German Gusii Hungarian Icelandic Indonesian Interlingua **Irish** Italian Jiu Kabuverdianu Kalaallisut Kalenjin Kamba Kikuyu Kinyarwanda Koro Kurdish Latvian Lithuanian Low German Luo Luyia

Maltese Manx Maori Meru Moldavian Morisyen North Ndebele Norwegian Bokmål Norwegian Nynorsk Nyanja Nyankole 0ccitan Oromo Polish Portuguese Romanian Romansh Rombo Rwa Saho Samburu Sami Northern Sango Sena Serbian Shambala Shona

Slovenian Soga Somali Sorbian, Lower Sorbian, Upper Sotho, Northern Sotho. Southern South Ndebele Spanish Swahili Swati Swedish Swiss German Taita Taroko Teso Tsonga Tswana Turkish Tyap Vunjo Welsh Wolof Xhosa Zulu

Slovak

Cyrillic

Azerbaijani Bashkir Belarusian Bulgarian Buriat Chechen Kazakh Macedonian

Machame

Makonde

Malagasy

Malay

Mongolian Russian Serbian Tajik

Sidamo

Tatar Uighur Ukrainian Uzbek

Greek

Greek