Fira Mono

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

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

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	Ç	£	¤	¥	l I	§	••	©	<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	•	_	1	0	>>	1/4	1/2	3/4	;
00C0	00C1	00C2	00C3	00C4	00C5	00C6	00C7	5 00C8	00C9	00CA	00CB	00CC	00CD	00CE	00CF
À	Á	Â	Ã	Ä	Å	Æ	Ç	È	É	Ê	Ë	Ì	Í	Î	Ϊ
00D0	00D1	00D2	00D3	00D4	00D5	00D6	00D7	00D8	00D9	00DA	00DB	00DC	00DD	00DE	00DF
Đ	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	í	î	ï
00F0	00F1	00F2	00F3	00F4	00F5	00F6	00F7	00F8	00F9	00FA	00FB	00FC	00FD	00FE	00FF
ð	ñ	ò	Ó	ô	õ	ö	•	Ø	ù	ú	û	ü	Ý	þ	Ÿ

Latin Extended-A

Block from 0100 to 017F

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
Đ	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	1	IJ	ij	Ĵ	ĵ	Ķ	ķ	Κ	Ĺ	ĺ	Ļ	ļ	Ľ	ľ	Ŀ
0140	0141	0142	0143	0144	0145	0146	0147	0148	0149	014A	014B	014C	014D	014E	014F
ŀ	Ł	ł	Ń	ń	Ņ	ņ	Ň	ň	'n	Ŋ	ŋ	Ō	ō	Ŏ	ŏ
0150	0151	0152	0153	0154	0155	0156	0157	0158	0159	015A	015B	015C	015D	015E	015F
Ő	ő	Œ	œ	Ŕ	ŕ	Ŗ	ŗ	Ř	ř	Ś	Ś	Ŝ	ŝ	Ş	Ş
0160	0161	0162	0163	0164	0165	0166	0167	0168	0169	016A	016B	016C	016D	016E	016F
Š	Š	Ţ	ţ	Ť	ť	Ŧ	ŧ	Ũ	ũ	Ū	ū	Ŭ	ŭ	Ů	ů
0170	0171	0172	0173	0174	0175	0176	0177	0178	0179	017A	017B	017C	017D	017E	
Ű	ű	Ų	Ų	Ŵ	ŵ	Ŷ	ŷ	Ϋ	Ź	Ź	Ż	ż	Ž	ž	

Latin Extended-B

Block from 0180 to 024F



Spacing Modifier Letters

Block from 02B0 to 02FF



Combining Diacritical Marks

Block from 0300 to 036F



Greek and Coptic

Block from 0370 to 03FF

Ψ	ω	ï	Ü	Ó	ύ	ώ									
03C8	03C9	03CA	03CB	03CC	03CD	03CE									
θ	l	K	λ	μ	٧	ξ	0	π	ρ	ς	σ	τ	υ	φ	χ
03B8	03B9	03BA	03BB	03BC	03BD	03BE	03BF	03C0	03C1	03C2	03C3	03C4	03C5	03C6	03C7
Ψ	Ω	Ϊ	Ϋ	ά	έ	ή	ί	ΰ	α	β	γ	δ	3	ζ	η
03A8	03A9	03AA	03AB	03AC	03AD	03AE	03AF	03B0	03B1	03B2	03B3	03B4	03B5	03B6	03B7
Н	Θ	Ι	K	Λ	Μ	N	Ξ	0	П	Р	Σ	Τ	Υ	Φ	X
0397	0398	0399	039A	039B	039C	039D	039E	039F	03A0	03A1	03A3	03A4	03A5	03A6	03A7
7		Ά	Έ	Ή	Ί	O	Ύ	Ώ	ΰ	Α	В	Γ	Δ	Ε	Z
0384	0385	0386	0388	0389	038A	038C	038E	038F	0390	0391	0392	0393	0394	0395	0396

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	ϵ	S	Ι	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	K	Л	M	Η	0	П
0420	0421	0422	0423	0424	0425	0426	0427	0428	0429	042A	042B	042C	042D	042E	042F
Р	C	Τ	У	Φ	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
p	С	Т	У	ф	X	Ц	Ч	Ш	Щ	Ъ	Ы	Ь	Э	Ю	Я
0450	0451	0452	0453	0454	0455	0456	0457	0458	0459	045A	045B	045C	045D	045E	045F
è	ë	ħ	ŕ	ϵ	S	i	ï	j	Љ	Њ	ħ	Ŕ	Й	ÿ	Ų
0462	0463	0472	0473	0474	0475	0490	0491	0492	0493	0496	0497	0498	0499	049A	049B
Ъ	Ъ	θ	θ	V	V	۲	۲	F	F	Ж	җ	3	ş	Қ	Қ
049C	049D	04A0	04A1	04A2	04A3	04AA	04AB	04AC	04AD	04AE	04AF	04B0	04B1	04B2	04B3
К	К	К	К	Ң	Ң	Ç	Ç	Ţ	Τ	Y	γ	¥	¥	X	Х

04B6	04B7	04B8	04B9	04BA	04BB	04C0	04C1	04C2	04CB	04CC	04CF	04D0	04D1	04D2	04D3
Ч	Ч	Ч	Ч	h	h	Ι	Ж	Ж	y	ų	l	Ă	ă	Ä	ä
04D4	04D5	04D6	04D7	04D8	04D9	04DA	04DB	04DC	04DD	04DE	04DF	04E2	04E3	04E4	04E5
Æ	æ	Ĕ	ĕ	Ð	Э	Ä	ä	Ж	ж	Ӟ	ä	Й	Й	Й	Й
04E6	04E7	04E8	04E9	04EA	04EB	04EC	04ED	04EE	04EF	04F0	04F1	04F2	04F3	04F4	04F5
Ö	ö	θ	θ	Ö	ë	Ë	ë	Ӯ	ÿ	ÿ	ÿ	Ӳ	ű	Ÿ	ӵ
Ö 04F6	Ö	O	O	Ö	ë	Э	Э	ӯ	ӯ	ÿ	ÿ	ÿ	ÿ	Ÿ	ӵ

Cyrillic Supplement

Block from 0500 to 052F

051C 051D 0524 0525 0526 0527
W W П П Һ Һ

Latin Extended Additional

Block from 1E00 to 1EFF

1E80 1E81 1E82 1E83 1E84 1E85 1EF2 1EF3

Greek Extended

Block from 1F00 to 1FFF



General Punctuation

Block from 2000 to 206F

								 ,	44	"		
2007	2008	200B	2012	2013	2014	2015	2017					

Superscripts and Subscripts

Block from 2070 to 209F

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

Currency Symbols

Block from 20A0 to 20CF

20AC



Letterlike Symbols

Block from 2100 to 214F

2113 2116 2122 212E **l l m e**

Number Forms

Block from 2150 to 218F



Arrows

Block from 2190 to 21FF



Mathematical Operators

Block from 2200 to 22FF



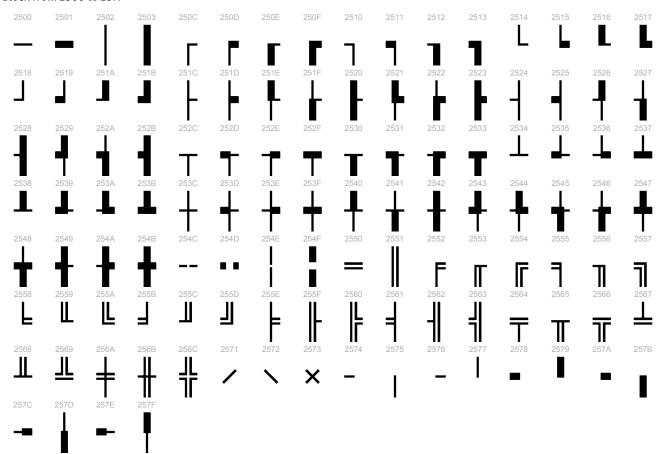
Miscellaneous Technical

Block from 2300 to 23FF



Box Drawing

Block from 2500 to 257F



Block Elements

Block from 2580 to 259F



Geometric Shapes

Block from 25A0 to 25FF

25F2	ر 25F3	25F4	25F5	25F6	25F7		•						0	凹
	,	\frown	\cup				•						0	四
25DE	25DF	25E0	25E1	25E2	25E3	25E4	25E5	25E7	25E8	25E9	25EA	25EB	25EF	25F0
\Diamond	0	0		•	•	•	lacktriangle	•	•		0			•
25CA	25CB	25CE	25CF	25D0	25D1	25D2	25D3	25D5	25D6	25D7	25D9	25DA	25DB	25DC
	0		•	_	_						\blacksquare	◀	•	\Diamond
25A1	25A2	25A3	25AA	25AB	25AC	25AD	25AE	25AF	25B2	25BA	25BC	25C4	25C6	25C7
	25CA	□ □ □ 25CB ○	□ □ □ 25CA 25CB 25CE ○	□ □ ■ ■ 25CA 25CB 25CE 25CF ○ ○ ●	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	□	□ O □ I □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	□ O □ I I □ A 25CA 25CB 25CE 25CF 25D0 25D1 25D2 25D3 25D5 25D6 ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	□ O □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	□ O □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	□ O □ I I I □ I I I □ A F I I I I I I I I I I I I I I I I I I	□ □

Miscellaneous Symbols

Block from 2600 to 26FF

\$ \$\$	☺	❷	₩	Ŷ	o ⁷ ¹	1	♣	Y	♦	J	
2620	263A	263B	263C	2640	2642	2660	2663	2665	2666	266A	266B

Dingbats

Block from 2700 to 27BF

27A1



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

fi fl

Arabic Presentation Forms-B

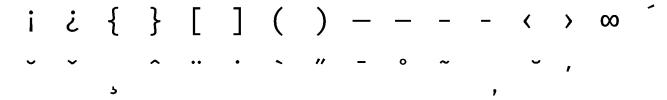
Block from FE70 to FEFF

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.

Case-Sensitive Forms



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

0 1 2 3 4 5 6 7 8 9 # - ¢ x \$£ ¥ ≈ ~ ÷ = > ≥ ∞ ∫ < ≤ ¬ - × ≠

 δ % % + \pm \prod $\sqrt{\Sigma}$ δ δ ° † \pm

Slashed Zero

0 0

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.



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.

619

Old Style Figures

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

0

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.

7/8

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.



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 Greek

MS Windows

MS Windows 1250 Central European MS Windows 1251 Cyrillic MS Windows 1252 Western (ANSI)

MS DOS

MS DOS 737 Greek (437G) MS DOS 775 Baltic MS DOS 850 Latin 1 MS DOS 852 Latin 2 MS DOS 855 Cyrilic MS DOS 857 Turkish MS DOS 863 Canadian-French MS DOS 866 Cyrillic MS DOS 869 Greek Modern

MS Windows 1253 Greek

MS Windows 1257 Baltic

MS Windows 1254 Turkish

IS₀

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
Jju
Kabuverdianu
Kalaallisut
Kalenjin
Kamba

Kamba
Kikuyu
Kinyarwanda
Koro
Kurdish
Latvian
Lithuanian
Low German
Luo
Luyia
Machame

Machame Makonde Malagasy Malay Maltese Manx Maori Meru Moldavian Morisyen North Ndebele Norwegian Bokmål Norwegian Nynorsk Nyanja

0ccitan Oromo Polish Portuguese Romanian Romansh Rombo Rwa Saho Samburu Sami Northern Sango Sena Serbian Shambala Shona Sidamo

Slovak 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

Cyrillic

Azerbaijani Bashkir Belarusian Bulgarian Buriat Chechen Kazakh Macedonian Mongolian Russian Serbian Tajik Tatar Uighur Ukrainian Uzbek

Greek

Greek