

UCA Chart Help

This set of charts shows the Unicode Collation Algorithm values for Unicode characters. The characters are arranged in the following groups:

- Null** Completely ignoreable (primary, secondary and tertiary levels)
These include control codes and various formatting codes.
- Ignorable** Ignorable at a primary level, but not at a secondary or tertiary level.
These include most accents and diacritics.
- Variable** Characters that may be set to ignorable by a programmatic switch.
These include spaces, punctuation marks, and most symbols.
- Common** Characters that are none of the above, but not considered letters.
These include numbers, currency symbols, etc.
- Letters** According to script
- Unsupported** Not explicitly supported in this version of UCA; uses code-point order

The characters* within each group are arranged in cells. The color of the cell indicates the strength of the difference between that character and the *previous* character in the chart, as follows.

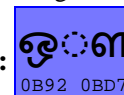
<u>No Expansion</u>		<u>Expansion</u>	
a 0061	Primary difference	dz 01F3	Primary difference
á 00E1	Secondary Difference	DZ 01F1	Secondary Difference
À 0041	Tertiary difference	Dz 01F2	Tertiary difference
Ā 212B	Quarternary difference or no difference		Quarternary difference or no difference

Characters which are displayed in blue are not in the Doulos SIL font.

Cells which are displayed in red are in SIL's Private Use Area and are not part of Unicode or the original document.

* In some cases, the UCA data table also includes contractions.

They can be recognized by the multiple code point numbers, as in the following:



Notes

- The UCA results are versioned *both* by the version of the UCA *and* by the version of The Unicode Standard used to process the data.
- These charts only provide one of the alternatives for handling variable characters (punctuation), whereby these characters are **non-ignorable**.
- Characters from large blocks, such as CJK-Ideographs, Hangul Syllables, Private Use Area, etc. are represented by a sampling.
- Some unassigned code points, noncharacters and other edge cases are also added to the list for comparison.
- For more information, see [UTS #10: Unicode Collation Algorithm](#).

Cyrillic

а 0430	А 0410		
ă 0430 0306	ă 04D1	Ă 0410 0306	Ă 04D0
ä 0430 0308	ä 04D3	Ä 0410 0308	Ä 04D2
ə 04D9	Ə 04D8		
ë 04D9 0308	ë 04DB	Ë 04D8 0308	Ë 04DA
æ 04D5	Æ 04D4		
б 0431	Б 0411		
в 0432	В 0412		
г 0433	Г 0413	г 0491	Ґ 0490
ф 0493	Ф 0492		
ђ 0495	Ђ 0494		
ґ 04F7	Ґ 04F6	ґ F327	Ґ F326
д 0434	Д 0414		
д 0501	Ԁ 0500		
ђ 0452	Ђ 0402		

ᄀ	ᄁ
0503	0502

ᄃ	ᄄ	ᄅ	ᄆ	ᄇ	ᄈ
0433	0433	0453	0403	0413	0413
0301	0341			0301	0341

ᄉ	ᄊ
0499	0498

e	E	è	È	ë	Ë
0435	0415	0450	0400	0451	0401

ě	ě	Ě	Ě
0435	04D7	0415	04D6
0306		0306	

€	€
0454	0404

ж	Ж	ӡ	Ӣ
0436	0416	04C2	04C1

ӡ	Ӣ	Ӥ	ӥ
0436	04DD	0416	04DC
0308		0308	

Ӧ	ӧ
0497	0496

з	З	ε	Ε
0437	0417	F32B	F32A

Ʒ	Ʒ
0505	0504

ö	ö	ÿ	ÿ
0437	04DF	0417	04DE
0308		0308	

s	S
0455	0405

ƶ	Ʒ
04E1	04E0

Ʒ	Ʒ
0507	0506

И	И	й	Й	й̄	Й̄
0438	0418	045D	040D	04E3	04E2

Й	Й̇
048B	048A

й̇	й̇	Й̇	Й̇
0438 0308	04E5	0418 0308	04E4

і	І
0456	0406

ї	ї	Ї	Ї
0456 0308	0457	0406 0308	0407

Й	Й	Й̇	Й̇
0438 0306	0439	0418 0306	0419

Ј	Ј
0458	0408

К	К
043A	041A

Қ	Қ
049B	049A

Қ	Қ
04C4	04C3

К	К
04A1	04A0

к	К
049F	049E

К	К
049D	049C

Л 043B	Л 041B
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Л 1D2B

Л 04C6	Л 04C5
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Л F323 Л F322

Л 0459	Л 0409
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Л 0509	Л 0508
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М 043C	М 041C
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М 04CE	М 04CD
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Н 043D	Н 041D	Н 1D78	
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Н 04CA	Н 04C9
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Н 04A3	Н 04A2
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Н 04C8	Н 04C7
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Н 04A5	Н 04A4
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Н 045A	Н 040A
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Н 050B	Н 050A
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o	O
043E	041E

ö	ö	Ö	Ö
043E 0308	04E7	041E 0308	04E6

ø	Ø
04E9	04E8

ë	ë	Ë	Ë
04E9 0308	04EB	04E8 0308	04EA

п	П
043F	041F

Ӏ	Ӏ
04A7	04A6

ç	Ç
0481	0480

р	Р
0440	0420

ŗ	Ŕ
048F	048E

с	С
0441	0421

Ġ	Ġ
050D	050C

ç	Ç
04AB	04AA

т	Т
0442	0422

т	т
050F	050E

т	т
04AD	04AC

ħ	Ĥ
045B	040B

í 043A 0301	í 043A 0341	í 045C	Í 040C	Í 041A 0301	Í 041A 0341
y 0443	Y 0423	ȳ 04EF	Ȳ 04EE		
ÿ 0443 0306	ÿ 045E	Ÿ 040E	Ÿ 0423 0306		
ÿ 0443 0308	ÿ 04F1	ÿ 0423 0308	ÿ 04F0		
ý 0443 030B	ý 04F3	Ý 0423 030B	Ý 04F2		
Ÿ 04AF	Ÿ 04AE				
Ÿ 04B1	Ÿ 04B0				
oy 0479	Oy 0478				
ϕ 0444	Φ 0424				
x 0445	X 0425	x F329	X F328		
ɣ 04B3	Ƴ 04B2	ɣ F325	Ƴ F324		
h 04BB	h 04BA				

w	Ƶ
0461	0460

Ƶ̄	Ƶ̄
047F	047E

Ƶ̂	Ƶ̂
047D	047C

Ƶ̃	Ƶ̃
047B	047A

Ƶ	Ƶ
0446	0426

Ƶ	Ƶ
04B5	04B4

Ƶ	Ƶ
0447	0427

Ƶ̇	Ƶ̇	Ƶ̇	Ƶ̇
0447	04F5	0427	04F4
0308		0308	

Ƶ	Ƶ
04B7	04B6

Ƶ	Ƶ
04CC	04CB

Ƶ	Ƶ
04B9	04B8

Ƶ	Ƶ
04BD	04BC

Ƶ	Ƶ
04BF	04BE

Ƶ	Ƶ
045F	040F

Ƶ	Ƶ
0448	0428

Ƶ	Ƶ
0449	0429

Ъ 044A	Ъ 042A		
Ы 044B	Ы 042B		
Ы̇ 044B 0308	Ы̇ 04F9	Ы̇ 042B 0308	Ы̇ 04F8
Ь 044C	Ь 042C		
ъ 048D	ъ 048C		
␣ 0463	␣ 0462		
Э 044D	Э 042D		
Э̇ 044D 0308	Э̇ 04ED	Э̇ 042D 0308	Э̇ 04EC
Ю 044E	Ю 042E		
Я 044F	Я 042F		
Ѹ 0465	Ѹ 0464		
⚡ 0467	⚡ 0466		
⚡ 046B	⚡ 046A		
⚡ 0469	⚡ 0468		
⚡ 046D	⚡ 046C		
⚡ 046F	⚡ 046E		

Ψ 0471	Ψ 0470
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Θ 0473	Θ 0472
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\mathcal{V} 0475	\mathcal{V} 0474
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$\mathring{\mathcal{V}}$ 0475 030F	$\mathring{\mathcal{V}}$ 0477	$\mathring{\mathcal{V}}$ 0474 030F	$\mathring{\mathcal{V}}$ 0476
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\mathcal{Q} 04A9	\mathcal{Q} 04A8
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\mathcal{I} 04C0
