

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
A 0041	Tertiary difference	Dz 01F2	Tertiary difference
Ā 212B	Quarternary difference or no difference		Quarternary difference or no difference

Note: If tool-tips are enabled in your browser, then if you pause the mouse over any cell, you will see the name of the character and a representation of the sort key. In this representation, the separators between the weight levels are represented with "|".

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

* 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](#).

Latin

a 0061	FF41	◌̇ 0363	1D41A	1D44E	1D482	1D4B6	1D4EA	1D51E	1D552	1D586
	1D5BA	1D5EE	1D622	1D656	1D68A	ⓐ 24D0	Ⓐ 0041	Ⓐ FF21	1D400	1D434
	1D468	1D49C	1D4D0	1D504	1D538	1D56C	1D5A0	1D5D4	1D608	1D63C
	1D670	Ⓐ 24B6	ⓐ 00AA	Ⓐ 1D2C	ⓐ 1D43	á 00E1	Á 00C1	à 00E0	À 00C0	ǎ 0103
	Ǻ 0102	ǻ 1EAF	Ǽ 1EAE	ǽ 1EB1	ǿ 1EB0	ǿ 1EB5	ǿ 1EB4	ǿ 1EB3	ǿ 1EB2	â 00E2
	Â 00C2	â 1EA5	Á 1EA4	à 1EA7	À 1EA6	ã 1EAB	Ã 1EAA	â 1EA9	Â 1EA8	ǎ 01CE
	Ǻ 01CD	ǻ 00E5	Ǽ 00C5	ǽ 212B	ǿ 01FB	ǿ 01FA	ä 00E4	Ä 00C4	ā 01DF	Ā 01DE
	ã 00E3	Ã 00C3	à 0227	À 0226	ā 01E1	Ā 01E0	ą 0105	Ą 0104	ā 0101	Ā 0100
	ǻ 1EA3	Ǽ 1EA2	ǽ 0201	ǿ 0200	â 0203	Â 0202	ą 1EA1	Ą 1EA0	ǻ 1EB7	Ǻ 1EB6
	â 1EAD	Ā 1EAC	ą 1E01	Ą 1E00	am. 33C2	ā/ç 2100	ā/s 2101	ⓐ 33DF	AU 3373	ǻ 1E9A
À 1D00										
æ 00E6	Æ 00C6	Æ 1D2D	é 01FD	É 01FC	ē 01E3	Ē 01E2				
Æ 1D01										
æ 1D02	æ 1D46									
Ƶ 0250	Ƶ 1D44									
ɑ 0251	ɑ 1D45									
ɒ 0252										

đ 0064	đ FF44	đ̇ 0369	đ 217E	□ 2146	1D41D	1D451	1D485	1D4B9	1D4ED	1D521
	1D555	1D589	1D5BD	1D5F1	1D625	1D659	1D68D	đ̇ 24D3	Đ 0044	Đ FF24
	Đ 216E	□ 2145	1D403	1D437	1D46B	1D49F	1D4D3	1D507	1D53B	1D56F
	1D5A3	1D5D7	1D60B	1D63F	1D673	Đ̇ 24B9	Đ 1D30	đ 1D48	đ̇ 010F	Đ̇ 010E
	đ̇ 1E0B	Đ̇ 1E0A	đ̇ 1E11	Đ̇ 1E10	đ̇ 1E0D	Đ̇ 1E0C	đ̇ 1E13	Đ̇ 1E12	đ̇ 1E0F	Đ̇ 1E0E
	đ̇ 3372	đ̇ 33C8	đ̇ 3397	đ̇ 3377	đ̇ 3378	đ̇ 3379	đ̇ 01F3	đ̇ 02A3	Đ̇ 01F2	Đ̇ 01F1
	đ̇ 01C6	Đ̇ 01C5	Đ̇ 01C4	đ̇ 02A5	đ̇ 02A4					

Đ 1D05	
đ̇ 0111	Đ̇ 0110
đ̇ 0256	Đ̇ 0189
đ̇ 0257	Đ̇ 018A
đ̇ 018C	Đ̇ 018B
đ̇ 0221	
đ̇ 00F0	Đ̇ 00D0
Đ̇ 1D06	

e 0065	e FF45	ẽ 0364	e 212F	◻ 2147	1D41E	1D452	1D486	1D4EE	1D522	1D556
	1D58A	1D5BE	1D5F2	1D626	1D65A	1D68E	ⓔ 24D4	Ⓔ 0045	Ⓕ FF25	ⓔ 2130
	1D404	1D438	1D46C	1D4D4	1D508	1D53C	1D570	1D5A4	1D5D8	1D60C
	1D640	1D674	Ⓔ 24BA	Ⓕ 1D31	ⓔ 1D49	é 00E9	É 00C9	è 00E8	È 00C8	ě 0115
	Ě 0114	ê 00EA	Ê 00CA	é 1EBF	É 1EBE	è 1EC1	È 1EC0	ẽ 1EC5	Ë 1EC4	ě 1EC3
	Ě 1EC2	ě 011B	Ě 011A	ë 00EB	Ë 00CB	ẽ 1EBD	Ë 1EBC	è 0117	È 0116	ę 0229
	Ę 0228	ę 1E1D	Ě 1E1C	ę 0119	Ę 0118	ē 0113	Ē 0112	é 1E17	É 1E16	è 1E15
	È 1E14	è 1EBB	Ě 1EBA	è 0205	È 0204	è 0207	Ê 0206	ę 1EB9	Ę 1EB8	ê 1EC7
	Ê 1EC6	ę 1E19	Ę 1E18	ę 1E1B	Ę 1E1A	ⓔ 32CD	ⓔ 32CE			

Ⓔ
1D07

ⓔ 01DD	Ⓔ 018E	Ⓕ 1D32
-----------	-----------	-----------

ⓔ 0259	ⓔ 018F	ⓔ 1D4A
-----------	-----------	-----------

Ⓔ 025B	Ⓔ 0190	Ⓔ 2107	ⓔ 1D4B
-----------	-----------	-----------	-----------

ⓔ
0258

ⓔ[◌]
025A

Ⓔ
025C

Ⓔ 1D08	Ⓔ 1D4C
-----------	-----------

Ⓔ[◌]
025D

Ⓔ
025E

θ
029A

γ
0264

01A3

01A2

h 0068	h FF48	h 036A	h 210E							
	1D5C1	1D5F5	1D629	1D65D	1D691	Ⓜ 24D7	H 0048	H FF28	ℋ 210B	ℋ 210C
	H 210D	1D407	1D43B	1D46F	1D4D7	1D573	1D5A7	1D5DB	1D60F	1D643
	1D677	Ⓜ 24BD	h 02B0	H 1D34	ĥ 0125	Ĥ 0124	ħ 021F	Ĥ 021E	ḣ 1E27	Ḣ 1E26
	ḣ 1E23	Ḣ 1E22	ḧ 1E29	Ḧ 1E28	h̉ 1E25	H̉ 1E24	h̊ 1E2B	H̊ 1E2A	h̋ 1E96	ha 33CA
	Ⓜ 32CC	ℋ 33CB	hPa 3371	Hz 3390						

H
029C

h
0195

H
01F6

h
0127

h
210F

H
0126

h
0266

h
02B1

h
0267

◌
02BB

◌
02BD

j 006A	j FF4A	□ 2149	1D423	1D457	1D48B	1D4BF	1D4F3	1D527	1D55B	1D58F
	1D5C3	1D5F7	1D62B	1D65F	1D693	⓵ 24D9	J 004A	J FF2A	1D409	1D43D
	1D471	1D4A5	1D4D9	1D50D	1D541	1D575	1D5A9	1D5DD	1D611	1D645
	1D679	⓵ 24BF	j 02B2	J 1D36	ĵ 0135	Ĵ 0134	ĵ 01F0			

J
1D0A

ĵ
029D

Ĵ
025F

ƒ
0284

k 006B	k FF4B	1D424	1D458	1D48C	1D4C0	1D4F4	1D528	1D55C	1D590	1D5C4
	1D5F8	1D62C	1D660	1D694	⓵ 24DA	K 004B	K 212A	K FF2B	1D40A	1D43E
	1D472	1D4A6	1D4DA	1D50E	1D542	1D576	1D5AA	1D5DE	1D612	1D646
	1D67A	⓵ 24C0	K 1D37	k 1D4F	ĳ 1E31	Ķ 1E30	ķ 01E9	Ķ 01E8	ķ 0137	Პ 0136
	ķ 1E33	Პ 1E32	ķ 1E35	Რ 1E34	kA 3384	KB 3385	kcal 3389	kg 338F	kHz 3391	KK 33CD
	ke 3398	km 339E	KM 33CE	km² 33A2	km³ 33A6	kPa 33AA	kt 33CF	kV 33B8	kW 33BE	kΩ 33C0

K
1D0B

Პ
0199

Რ
0198

Ს
029E

l 006C	l FF4C	l 217C	l 2113	1D425	1D459	1D48D	1D4C1	1D4F5	1D529	1D55D
	1D591	1D5C5	1D5F9	1D62D	1D661	1D695	Ⓛ 24DB	L 004C	L FF2C	L 216C
	ℓ 2112	1D40B	1D43F	1D473	1D4DB	1D50F	1D543	1D577	1D5AB	1D5DF
	1D613	1D647	1D67B	Ⓛ 24C1	l 02E1	L 1D38	í 013A	ĺ 0139	l 013E	ℓ 013D
	l̇ 013C	L̇ 013B	l̇ 1E37	L̇ 1E36	l̄ 1E39	L̄ 1E38	l̂ 1E3D	L̂ 1E3C	l̂ 1E3B	L̂ 1E3A
	ḷ 0140	Ḷ 013F	lj 01C9	Lj 01C8	LJ 01C7	lm 33D0	ln 33D1	log 33D2	□ 02AA	Ⓛ 32CF
	lx 33D3	□ 02AB								

L
029F

l
0142

L
0141

L
1D0C

l
019A

l
026B

l
026C

l
026D

l
0234

l
026E

l
019B

l
028E

n 006E	n FF4E	1D427	1D45B	1D48F	1D4C3	1D4F7	1D52B	1D55F	1D593	1D5C7
	1D5FB	1D62F	1D663	1D697	Ⓝ 24DD	N 004E	N FF2E	N̄ 2115	1D40D	1D441
	1D475	1D4A9	1D4DD	1D511	1D579	1D5AD	1D5E1	1D615	1D649	1D67D
	Ⓝ 24C3	N 1D3A	n 207F	ñ 0144	Ñ 0143	ñ 01F9	Ñ 01F8	ñ 0148	Ñ 0147	ñ 00F1
	Ñ 00D1	ñ 1E45	Ñ 1E44	ñ 0146	Ñ 0145	ñ 1E47	Ñ 1E46	ñ 1E4B	Ñ 1E4A	ñ 1E49
	N̄ 1E48	nA 3381	nF 338B	nj 01CC	Nj 01CB	NJ 01CA	nm 339A	№ 2116	ns 33B1	nV 33B5
	nW 33BB									
N 0274										
И 1D3B										
И 1D0E										
п 0272	N 019D									
η 019E	η 0220									
η 0273										
η 0235										
η 014B	η 014A	η 1D51								

⓪ 006F	⓪ FF4F	⓪ 0366	⓪ 2134	1D428	1D45C	1D490	1D4F8	1D52C	1D560	1D594
	1D5C8	1D5FC	1D630	1D664	1D698	⓪ 24DE	⓪ 004F	⓪ FF2F	1D40E	1D442
	1D476	1D4AA	1D4DE	1D512	1D546	1D57A	1D5AE	1D5E2	1D616	1D64A
	1D67E	⓪ 24C4	⓪ 00BA	⓪ 1D3C	⓪ 1D52	⓪ 00F3	⓪ 00D3	⓪ 00F2	⓪ 00D2	⓪ 014F
	⓪ 014E	⓪ 00F4	⓪ 00D4	⓪ 1ED1	⓪ 1ED0	⓪ 1ED3	⓪ 1ED2	⓪ 1ED7	⓪ 1ED6	⓪ 1ED5
	⓪ 1ED4	⓪ 01D2	⓪ 01D1	⓪ 00F6	⓪ 00D6	⓪ 022B	⓪ 022A	⓪ 0151	⓪ 0150	⓪ 00F5
	⓪ 00D5	⓪ 1E4D	⓪ 1E4C	⓪ 1E4F	⓪ 1E4E	⓪ 022D	⓪ 022C	⓪ 022F	⓪ 022E	⓪ 0231
	⓪ 0230	⓪ 01EB	⓪ 01EA	⓪ 01ED	⓪ 01EC	⓪ 014D	⓪ 014C	⓪ 1E53	⓪ 1E52	⓪ 1E51
	⓪ 1E50	⓪ 1ECF	⓪ 1ECE	⓪ 020D	⓪ 020C	⓪ 020F	⓪ 020E	⓪ 01A1	⓪ 01A0	⓪ 1EDB
	⓪ 1EDA	⓪ 1EDD	⓪ 1EDC	⓪ 1EE1	⓪ 1EE0	⓪ 1EDF	⓪ 1EDE	⓪ 1EE3	⓪ 1EE2	⓪ 1ECD
	⓪ 1ECC	⓪ 1ED9	⓪ 1ED8	⓪ 0153	⓪ 0152	⓪ 3375				

⓪
1D0F

⓪
1D11

⓪
0276

⓪
1D14

⓪ 00F8	⓪ 00D8	⓪ 01FF	⓪ 01FE
-----------	-----------	-----------	-----------

⓪
1D13

⓪ 0254	⓪ 0186	⓪ 1D53
-----------	-----------	-----------

⓪

1D10

☺
1D12

☺
1D16

☺
1D54

☺
1D17

☺
1D55

⊖
0275

⊖
019F

⊖
0277

8
0223

8
0222

8
1D3D

8
1D15

p 0070	p FF50	1D429	1D45D	1D491	1D4C5	1D4F9	Ɔ 1D52D	1D561	1D595	1D5C9
	1D5FD	1D631	1D665	1D699	Ⓟ 24DF	P 0050	P FF30	P 2119	1D40F	1D443
	1D477	1D4AB	1D4DF	1D513	1D57B	1D5AF	1D5E3	1D617	1D64B	1D67F
	Ⓟ 24C5	P 1D3E	p 1D56	ᵹ 1E55	Ṗ 1E54	ṗ 1E57	Ṙ 1E56	ρ.m. 33D8	ρA 3380	Pa 33A9
	pc 3376	ρF 338A	ρH 33D7	PPM 33D9	PR 33DA	ps 33B0	Ⓟ 3250	ρV 33B4	ρW 33BA	

P
1D18

β
01A5

P
01A4

ϕ
0278

q 0071	q FF51	1D42A	1D45E	1D492	1D4C6	1D4FA	1D52E	1D562	1D596	1D5CA
	1D5FE	1D632	1D666	1D69A	Ⓠ 24E0	Q 0051	Q FF31	Q 211A	1D410	1D444
	1D478	1D4AC	1D4E0	1D514	1D57C	1D5B0	1D5E4	1D618	1D64C	1D680
	Ⓠ 24C6									

q̇
02A0

κ
0138

t 0074	t FF54	ṫ 036D								
	1D5CD	1D601	1D635	1D669	1D69D	ṫ 24E3	T 0054	T FF34	1D413	1D447
	1D47B	1D4AF	1D4E3	1D517	1D54B	1D57F	1D5B3	1D5E7	1D61B	1D64F
	1D683	Ṫ 24C9	T 1D40	t 1D57	ṫ 0165	Ŧ 0164	ï 1E97	î 1E6B	İ 1E6A	ı̇ 0163
	Ṫ 0162	ṫ 1E6D	Ṫ 1E6C	ṫ 021B	Ṫ 021A	ṫ 1E71	Ṫ 1E70	ṫ 1E6F	Ṫ 1E6E	tc 02A8
	TEL 2121	THz 3394	TM 2122	Ɔ 01BE	ts 02A6	ṫ 02A7				

T
1D1B

t 0167	T 0166
-----------	-----------

ṫ
01AB

f 01AD	T 01AC
-----------	-----------

t 0288	T 01AE
-----------	-----------

ṫ
0236

ı̇
0287

Ƶ
1D1F

ƶ
0270

Ʒ Ƹ
028A 01B1

ƹ 0076	ƺ FF56	ƻ 036E	Ƽ 2174	ƽ 1D42F	ƾ 1D463	ƿ 1D497	ƿ 1D4CB	ƿ 1D4FF	ƿ 1D533	ƿ 1D567
-----------	-----------	-----------	-----------	------------	------------	------------	------------	------------	------------	------------

	ƿ 1D59B	ƿ 1D5CF	ƿ 1D603	ƿ 1D637	ƿ 1D66B	ƿ 1D69F	ƿ 24E5	ƿ 0056	ƿ FF36	ƿ 2164
--	------------	------------	------------	------------	------------	------------	-----------	-----------	-----------	-----------

	ƿ 1D415	ƿ 1D449	ƿ 1D47D	ƿ 1D4B1	ƿ 1D4E5	ƿ 1D519	ƿ 1D54D	ƿ 1D581	ƿ 1D5B5	ƿ 1D5E9
--	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------

	ƿ 1D61D	ƿ 1D651	ƿ 1D685	ƿ 24CB	ƿ 1D5B	ƿ 1D65	ƿ 1E7D	ƿ 1E7C	ƿ 1E7F	ƿ 1E7E
--	------------	------------	------------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

	ƿ 33DE	ƿ 2175	ƿ 2165	ƿ 2176	ƿ 2166	ƿ 2177	ƿ 2167
--	-----------	-----------	-----------	-----------	-----------	-----------	-----------

ƿ
1D20

ƿ ƿ
028B 01B2

ƿ
028C

Z 007A	Z FF5A									
	1D607	1D433	1D467	1D49B	1D4CF	1D503	1D537	1D56B	1D59F	1D5D3
					⓪ 24E9	Z 005A	Z FF3A	Z 2124	3 2128	1D419
	1D44D	1D481	1D4B5	1D4E9	1D585	1D5B9	1D5ED	1D621	1D655	1D689
	⓪ 24CF	ž 017A	Ž 0179	Ẑ 1E91	Ẓ 1E90	ž 017E	Ž 017D	z 017C	Ẑ 017B	z 1E93
	Z 1E92	z 1E95	Z 1E94	Q 018D						

Z
1D22

z Z
01B6 01B5

z Z
0225 0224

z
0290

z
0291

3 3 ž ž
0292 01B7 01EF 01EE

3
1D23

z z
01B9 01B8

z
01BA

3
0293

3 3
021D 021C

þ	Þ
00FE	00DE

ƿ	Ʋ
01BF	01F7

Ʒ
01BB

Ʒ	Ʒ
01A8	01A7

Ʒ	Ʒ
01BD	01BC

Ʒ	Ʒ
0185	0184

Ʒ
0294

Ʒ
02C0

Ʒ	Ʒ
02BC	0149

Ʒ
02EE

Ʒ
02BE

Ʒ	Ʒ
0295	02E4

Ʒ
02BF

Ʒ
02C1

Ʒ
1D24

Ʒ	Ʒ
1D25	1D5C

Ʒ
02A1

Ʒ
02A2

Ʒ
0296

	01C0
	01C1
≠	01C2
!	01C3
©	0297
⊙	0298
W w	02AC
⌈ ⌋	02AD