

## **Khmer**

**Range: 1780–17FF**

### **The Unicode Standard, Version 4.0**

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 4.0*.

Characters in this chart that are new for The Unicode Standard, Version 4.0 are shown in conjunction with any existing characters. For ease of reference, the new characters have been highlighted in the chart grid and in the names list.

This file will not be updated with errata, or when additional characters are assigned to the Unicode Standard. See <http://www.unicode.org/charts> for access to a complete list of the latest character charts.

### **Disclaimer**

These charts are provided as the on-line reference to the character contents of the Unicode Standard, Version 4.0 but do not provide all the information needed to fully support individual scripts using the Unicode Standard. For a complete understanding of the use of the characters contained in this excerpt file, please consult the appropriate sections of The Unicode Standard, Version 4.0 (ISBN 0-321-18578-1), as well as Unicode Standard Annexes #9, #11, #14, #15, #24 and #29, the other Unicode Technical Reports and the Unicode Character Database, which are available on-line.

See <http://www.unicode.org/Public/UNIDATA/UCD.html> and <http://www.unicode.org/unicode/reports>

A thorough understanding of the information contained in these additional sources is required for a successful implementation.

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See <http://www.unicode.org/charts/fonts.html> for a list.

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See <http://www.unicode.org/pending/pending.html> and <http://www.unicode.org/unicode/alloc/Pipeline.html>.

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	178	179	17A	17B	17C	17D	17E	17F
0	ក 1780	ថ 1790	ហ 17A0	ញ 17B0	ៀ 17C0	្ក 17D0	័ 17E0	្ក 17F0
1	ខ 1781	ទ 1791	ឡ 17A1	ឌ 17B1	េ 17C1	្ខ 17D1	៑ 17E1	្ខ 17F1
2	គ 1782	ធ 1792	អ 17A2	ច 17B2	ៃ 17C2	្គ 17D2	្ 17E2	្គ 17F2
3	ឃ 1783	ន 1793	អ 17A3	ឌ 17B3	ៃ 17C3	្ឃ 17D3	៓ 17E3	្ឃ 17F3
4	ង 1784	ប 1794	អា 17A4	KIV AQ 17B4	ៅ 17C4	្ង 17D4	។ 17E4	្ង 17F4
5	ច 1785	ផ 1795	ត 17A5	KIV AA 17B5	ៅ 17C5	្ច 17D5	៕ 17E5	្ច 17F5
6	ឆ 1786	ព 1796	ឡ 17A6	ា 17B6	្ក 17C6	្ឆ 17D6	៖ 17E6	្ឆ 17F6
7	ជ 1787	ភ 1797	ខ 17A7	ិ 17B7	្ក 17C7	្ជ 17D7	ៗ 17E7	្ជ 17F7
8	ឈ 1788	ម 1798	ឌ 17A8	្ក 17B8	្ក 17C8	្ឈ 17D8	៘ 17E8	្ឈ 17F8
9	ញ 1789	យ 1799	ឌ 17A9	្ក 17B9	្ក 17C9	្ញ 17D9	៙ 17E9	្ញ 17F9
A	ដ 178A	រ 179A	ឌ 17AA	្ក 17BA	្ក 17CA	្ដ 17DA		
B	ប្រ 178B	ល 179B	ប្រ 17AB	្ក 17BB	្ក 17CB	្ឋ 17DB		
C	ខ 178C	រ 179C	ប្រ 17AC	្ក 17BC	្ក 17CC	្ឌ 17DC		
D	ផ 178D	គ 179D	ញ 17AD	្ក 17BD	្ក 17CD	្ឍ 17DD		
E	ណ 178E	ថ 179E	ញ 17AE	េ 17BE	្ក 17CE			
F	ត 178F	ស 179F	ង 17AF	ៀ 17BF	្ក 17CF			

**Consonants**

1780	ក	KHMER LETTER KA
1781	ខ	KHMER LETTER KHA
1782	គ	KHMER LETTER KO
1783	ឃ	KHMER LETTER KHO
1784	ង	KHMER LETTER NGO
1785	ច	KHMER LETTER CA
1786	ឆ	KHMER LETTER CHA
1787	ជ	KHMER LETTER CO
1788	ច	KHMER LETTER CHO
1789	ញ	KHMER LETTER NYO
178A	ដ	KHMER LETTER DA
178B	ត	KHMER LETTER TTHA
178C	ឌ	KHMER LETTER DO
178D	ឍ	KHMER LETTER TTHO
178E	ណ	KHMER LETTER NNO
		• as this character belongs to the first register, its correct transliteration is no, not nno
178F	ត	KHMER LETTER TA
1790	ថ	KHMER LETTER THA
1791	ទ	KHMER LETTER TO
1792	ធ	KHMER LETTER THO
1793	ណ	KHMER LETTER NO
1794	ប	KHMER LETTER BA
1795	ផ	KHMER LETTER PHA
1796	ព	KHMER LETTER PO
1797	ភ	KHMER LETTER PHO
1798	ម	KHMER LETTER MO
1799	យ	KHMER LETTER YO
179A	រ	KHMER LETTER RO
179B	ល	KHMER LETTER LO
179C	វ	KHMER LETTER VO
179D	ស	KHMER LETTER SHA
		• used only for Pali/Sanskrit transliteration
179E	ស	KHMER LETTER SSO
		• used only for Pali/Sanskrit transliteration
		• as this character belongs to the first register, its correct transliteration is ssa, not sso
179F	ហ	KHMER LETTER SA
17A0	ហ	KHMER LETTER HA
17A1	ឡ	KHMER LETTER LA
17A2	អ	KHMER LETTER QA
		• glottal stop

**Independent vowel (deprecated)**

17A3	អ	KHMER INDEPENDENT VOWEL QAA
		• originally intended only for Pali/Sanskrit transliteration
		• use of this character is strongly discouraged; 17A2 អ should be used instead

**Independent vowels**

17A4	អ	KHMER INDEPENDENT VOWEL QAA
		• used only for Pali/Sanskrit transliteration
		• use of this character is discouraged; the sequence 17A2 អ 17B6 ា should be used instead
17A5	ឺ	KHMER INDEPENDENT VOWEL QI
17A6	ឺ	KHMER INDEPENDENT VOWEL QII
17A7	ឺ	KHMER INDEPENDENT VOWEL QU
17A8	ឺ	KHMER INDEPENDENT VOWEL QUK
		• obsolete ligature for the sequence 17A7 ឺ 1780 ក
		• use of the sequence is now preferred
17A9	ឺ	KHMER INDEPENDENT VOWEL QUU
17AA	ឺ	KHMER INDEPENDENT VOWEL QUUV
17AB	ឺ	KHMER INDEPENDENT VOWEL RY
17AC	ឺ	KHMER INDEPENDENT VOWEL RYY
17AD	ឺ	KHMER INDEPENDENT VOWEL LY
17AE	ឺ	KHMER INDEPENDENT VOWEL LYY
17AF	ឺ	KHMER INDEPENDENT VOWEL QE
17B0	ឺ	KHMER INDEPENDENT VOWEL QAI
17B1	ឺ	KHMER INDEPENDENT VOWEL QOO TYPE ONE
17B2	ឺ	KHMER INDEPENDENT VOWEL QOO TYPE TWO
		• this is a variant for 17B1 ឺ , used in only two words
		• 17B1 ឺ is the normal variant of this vowel
17B3	ឺ	KHMER INDEPENDENT VOWEL QAU

**Inherent vowels**

*These are for phonetic transcription to distinguish Indic language inherent vowels from Khmer inherent vowels. These characters are included solely for compatibility with particular applications; their use in other contexts is discouraged.*

17B4	ឺ	KHMER VOWEL INHERENT AQ
17B5	ឺ	KHMER VOWEL INHERENT AA

**Dependent vowel signs**

17B6	ា	KHMER VOWEL SIGN AA
17B7	ិ	KHMER VOWEL SIGN I
17B8	ិ	KHMER VOWEL SIGN II
17B9	ិ	KHMER VOWEL SIGN Y
17BA	ិ	KHMER VOWEL SIGN YY
17BB	ុ	KHMER VOWEL SIGN U
17BC	ុ	KHMER VOWEL SIGN UU
17BD	ុ	KHMER VOWEL SIGN UA

**Two-part dependent vowel signs**

*These two-part dependent vowel signs have glyph pieces which stand on both sides of the consonant. These vowel signs follow the consonant in logical order, and should be handled as a unit for processing.*

17BE	ា	KHMER VOWEL SIGN OE
17BF	ា	KHMER VOWEL SIGN YA
17C0	ា	KHMER VOWEL SIGN IE

**Dependent vowel signs**

- 17C1 𑄛 KHMER VOWEL SIGN E  
 17C2 𑄛 KHMER VOWEL SIGN AE  
 17C3 𑄛 KHMER VOWEL SIGN AI

**Two-part dependent vowel signs**

*These two-part dependent vowel signs have glyph pieces which stand on both sides of the consonant. These vowel signs follow the consonant in logical order, and should be handled as a unit for processing.*

- 17C4 𑄛 KHMER VOWEL SIGN OO  
 17C5 𑄛 KHMER VOWEL SIGN AU

**Various signs**

- 17C6 𑄛 KHMER SIGN NIKAHIT  
 = srak am  
 = anusvara  
 • final nasalization  
 • this character is usually regarded as a vowel sign am, along with om and aam  
 → 0E4D 𑄛 thai character nikhahit  
 → 1036 𑄛 myanmar sign anusvara
- 17C7 𑄛 KHMER SIGN REAHMUK  
 = srak ah  
 = visarga  
 → 1038 𑄛 myanmar sign visarga
- 17C8 𑄛 KHMER SIGN YUUKALEAPINTU  
 • inserts a short inherent vowel with abrupt glottal stop  
 • the preferred transliteration is yukaleakpintu

**Consonant shifters**

*These signs shift the base consonant between registers.*

- 17C9 𑄛 KHMER SIGN MUUSIKATOAN  
 • changes the second register to the first  
 • the preferred transliteration is musekatoan
- 17CA 𑄛 KHMER SIGN TRIISAP  
 • changes the first register to the second  
 • the preferred transliteration is treisap

**Various signs**

- 17CB 𑄛 KHMER SIGN BANTOC  
 • shortens the vowel sound in the previous orthographic syllable  
 • the preferred transliteration is bantak
- 17CC 𑄛 KHMER SIGN ROBAT  
 • a diacritic historically corresponding to the repha form of ra in Devanagari
- 17CD 𑄛 KHMER SIGN TOANDAKHIAT  
 • indicates that the base character is not pronounced
- 17CE 𑄛 KHMER SIGN KAKABAT  
 • sign used with some exclamations
- 17CF 𑄛 KHMER SIGN AHSDA  
 • denotes stressed intonation in some single-consonant words

- 17D0 𑄛 KHMER SIGN SAMYOK SANNYA  
 • denotes deviation from the general rules of pronunciation, mostly used in loan words from Pali/Sanskrit, French, and so on
- 17D1 𑄛 KHMER SIGN VIRIAM  
 • mostly obsolete, a “killer”  
 • indicates that the base character is the final consonant of a word without its inherent vowel sound
- 17D2 𑄛 KHMER SIGN COENG  
 • functions to indicate that a following Khmer letter is to be rendered subscripted  
 • shape shown is arbitrary and is not visibly rendered

**Lunar date sign (deprecated)**

- 17D3 𑄛 KHMER SIGN BATHAMASAT  
 • originally intended as part of lunar date symbols  
 • use of this character is strongly discouraged in favor of the complete set of lunar date symbols  
 → 19E0 𑄛 khmer symbol pathamasat

**Various signs**

- 17D4 𑄛 KHMER SIGN KHAN  
 • functions as a full stop, period  
 → 0E2F 𑄛 thai character paiyannoi  
 → 104A 𑄛 myanmar sign little section
- 17D5 𑄛 KHMER SIGN BARIYOOSAN  
 • indicates the end of a section or a text  
 → 0E5A 𑄛 thai character angkhankhu  
 → 104B 𑄛 myanmar sign section
- 17D6 𑄛 KHMER SIGN CAMNUC PII KUUH  
 • functions as colon  
 • the preferred transliteration is camnoc pii kuuh  
 → 00F7 𑄛 division sign  
 → 0F14 𑄛 tibetan mark gter tsheg
- 17D7 𑄛 KHMER SIGN LEK TOO  
 • repetition sign  
 → 0E46 𑄛 thai character maiyamok
- 17D8 𑄛 KHMER SIGN BEYYAL  
 • et cetera  
 • use of this character is discouraged; other abbreviations for et cetera also exist  
 • preferred spelling: 17D4 𑄛 179B 𑄛 17D4 𑄛
- 17D9 𑄛 KHMER SIGN PHNAEK MUAN  
 • indicates the beginning of a book or a treatise  
 • the preferred transliteration is phnek moan  
 → 0E4F 𑄛 thai character fongman
- 17DA 𑄛 KHMER SIGN KOOMUUT  
 • indicates the end of a book or treatise  
 • this forms a pair with 17D9 𑄛  
 • the preferred transliteration is koomoot  
 → 0E5B 𑄛 thai character khomut

**Currency symbol**

17DB ៛ KHMER CURRENCY SYMBOL RIEL

**Various signs**

- 17DC ៎ KHMER SIGN AVAKRAHASANYA
- rare, shows an omitted Sanskrit vowel, like an apostrophe
  - the preferred transliteration is avakraha sannya
- 093D ៎ devanagari sign avagraha
- 17DD ៏ KHMER SIGN ATTHACAN
- mostly obsolete
  - indicates that the base character is the final consonant of a word with its inherent vowel sound
- 17D1 ៏ khmer sign viriam

**Digits**

- 17E0 ០ KHMER DIGIT ZERO
- 17E1 ១ KHMER DIGIT ONE
- 17E2 ២ KHMER DIGIT TWO
- 17E3 ៣ KHMER DIGIT THREE
- 17E4 ៤ KHMER DIGIT FOUR
- 17E5 ៥ KHMER DIGIT FIVE
- 17E6 ៦ KHMER DIGIT SIX
- 17E7 ៧ KHMER DIGIT SEVEN
- 17E8 ៨ KHMER DIGIT EIGHT
- 17E9 ៩ KHMER DIGIT NINE

**Numeric symbols for divination lore**

*These characters have numeric values 0-9, respectively, but are not used for calculation.*

- 17F0 ័ KHMER SYMBOL LEK ATTAK SON
- 17F1 ៑ KHMER SYMBOL LEK ATTAK MUOY
- 17F2 ្ KHMER SYMBOL LEK ATTAK PII
- 17F3 ៓ KHMER SYMBOL LEK ATTAK BEI
- 17F4 ។ KHMER SYMBOL LEK ATTAK BUON
- 17F5 ៕ KHMER SYMBOL LEK ATTAK PRAM
- 17F6 ៖ KHMER SYMBOL LEK ATTAK PRAM-MUOY
- 17F7 ៗ KHMER SYMBOL LEK ATTAK PRAM-PII
- 17F8 ៘ KHMER SYMBOL LEK ATTAK PRAM-BEI
- 17F9 ៙ KHMER SYMBOL LEK ATTAK PRAM-BUON