

## Enclosed Alphanumerics

### Range: 2460–24FF

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 5.0*.

This file may be changed at any time without notice to reflect errata or other updates to the Unicode Standard. See <http://www.unicode.org/errata/> for an up-to-date list of errata.

See <http://www.unicode.org/charts/> for access to a complete list of the latest character code charts.  
See <http://www.unicode.org/charts/PDF/Unicode-5.0/> for charts showing only the characters added in Unicode 5.0.  
See <http://www.unicode.org/Public/5.0.0/charts/> for a complete archived file of character code charts for Unicode 5.0.

## Disclaimer

These charts are provided as the on-line reference to the character contents of the Unicode Standard, Version 5.0 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 file, please consult the appropriate sections of *The Unicode Standard, Version 5.0* (ISBN 0-321-48091-0), online at <http://www.unicode.org/versions/Unicode5.0.0/>, as well as Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, and #34, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available on-line.

See <http://www.unicode.org/ucd/> and <http://www.unicode.org/reports/>

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

## Fonts

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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/alloc/Pipeline.html>.

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	246	247	248	249	24A	24B	24C	24D	24E	24F
0	① 2460	⑰ 2470	(13) 2480	9. 2490	(e) 24A0	(u) 24B0	Ⓚ 24C0	a 24D0	q 24E0	⑱ 24F0
1	② 2461	⑱ 2471	(14) 2481	10. 2491	(f) 24A1	(v) 24B1	Ⓛ 24C1	b 24D1	r 24E1	⑳ 24F1
2	③ 2462	⑲ 2472	(15) 2482	11. 2492	(g) 24A2	(w) 24B2	Ⓜ 24C2	c 24D2	s 24E2	㉑ 24F2
3	④ 2463	㉒ 2473	(16) 2483	12. 2493	(h) 24A3	(x) 24B3	Ⓝ 24C3	d 24D3	t 24E3	㉓ 24F3
4	⑤ 2464	(1) 2474	(17) 2484	13. 2494	(i) 24A4	(y) 24B4	Ⓞ 24C4	e 24D4	u 24E4	㉔ 24F4
5	⑥ 2465	(2) 2475	(18) 2485	14. 2495	(j) 24A5	(z) 24B5	Ⓟ 24C5	f 24D5	v 24E5	① 24F5
6	⑦ 2466	(3) 2476	(19) 2486	15. 2496	(k) 24A6	Ⓐ 24B6	Ⓠ 24C6	g 24D6	w 24E6	② 24F6
7	⑧ 2467	(4) 2477	(20) 2487	16. 2497	(l) 24A7	Ⓑ 24B7	Ⓡ 24C7	h 24D7	x 24E7	③ 24F7
8	⑨ 2468	(5) 2478	1. 2488	17. 2498	(m) 24A8	Ⓒ 24B8	Ⓢ 24C8	i 24D8	y 24E8	④ 24F8
9	⑩ 2469	(6) 2479	2. 2489	18. 2499	(n) 24A9	Ⓓ 24B9	Ⓣ 24C9	j 24D9	z 24E9	⑤ 24F9
A	⑪ 246A	(7) 247A	3. 248A	19. 249A	(o) 24AA	Ⓔ 24BA	Ⓤ 24CA	k 24DA	0 24EA	⑥ 24FA
B	⑫ 246B	(8) 247B	4. 248B	20. 249B	(p) 24AB	Ⓕ 24BB	Ⓡ 24CB	l 24DB	⑪ 24EB	⑦ 24FB
C	⑬ 246C	(9) 247C	5. 248C	(a) 249C	(q) 24AC	Ⓖ 24BC	Ⓢ 24CC	m 24DC	⑫ 24EC	⑧ 24FC
D	⑭ 246D	(10) 247D	6. 248D	(b) 249D	(r) 24AD	Ⓖ 24BD	Ⓧ 24CD	n 24DD	⑬ 24ED	⑨ 24FD
E	⑮ 246E	(11) 247E	7. 248E	(c) 249E	(s) 24AE	Ⓘ 24BE	Ⓨ 24CE	o 24DE	⑭ 24EE	⑩ 24FE
F	⑯ 246F	(12) 247F	8. 248F	(d) 249F	(t) 24AF	Ⓡ 24BF	Ⓩ 24CF	p 24DF	⑮ 24EF	⑰ 24FF

**Circled numbers**

- 2460 ① CIRCLED DIGIT ONE  
≈ <circle> 0031 1
- 2461 ② CIRCLED DIGIT TWO  
≈ <circle> 0032 2
- 2462 ③ CIRCLED DIGIT THREE  
≈ <circle> 0033 3
- 2463 ④ CIRCLED DIGIT FOUR  
≈ <circle> 0034 4
- 2464 ⑤ CIRCLED DIGIT FIVE  
≈ <circle> 0035 5
- 2465 ⑥ CIRCLED DIGIT SIX  
≈ <circle> 0036 6
- 2466 ⑦ CIRCLED DIGIT SEVEN  
≈ <circle> 0037 7
- 2467 ⑧ CIRCLED DIGIT EIGHT  
≈ <circle> 0038 8
- 2468 ⑨ CIRCLED DIGIT NINE  
≈ <circle> 0039 9
- 2469 ⑩ CIRCLED NUMBER TEN  
≈ <circle> 0031 1 0030 0
- 246A ⑪ CIRCLED NUMBER ELEVEN  
≈ <circle> 0031 1 0031 1
- 246B ⑫ CIRCLED NUMBER TWELVE  
≈ <circle> 0031 1 0032 2
- 246C ⑬ CIRCLED NUMBER THIRTEEN  
≈ <circle> 0031 1 0033 3
- 246D ⑭ CIRCLED NUMBER FOURTEEN  
≈ <circle> 0031 1 0034 4
- 246E ⑮ CIRCLED NUMBER FIFTEEN  
≈ <circle> 0031 1 0035 5
- 246F ⑯ CIRCLED NUMBER SIXTEEN  
≈ <circle> 0031 1 0036 6
- 2470 ⑰ CIRCLED NUMBER SEVENTEEN  
≈ <circle> 0031 1 0037 7
- 2471 ⑱ CIRCLED NUMBER EIGHTEEN  
≈ <circle> 0031 1 0038 8
- 2472 ⑲ CIRCLED NUMBER NINETEEN  
≈ <circle> 0031 1 0039 9
- 2473 ⑳ CIRCLED NUMBER TWENTY  
≈ <circle> 0032 2 0030 0

**Parenthesized numbers**

- 2474 (1) PARENTHESIZED DIGIT ONE  
≈ 0028 ( 0031 1 0029 )
- 2475 (2) PARENTHESIZED DIGIT TWO  
≈ 0028 ( 0032 2 0029 )
- 2476 (3) PARENTHESIZED DIGIT THREE  
≈ 0028 ( 0033 3 0029 )
- 2477 (4) PARENTHESIZED DIGIT FOUR  
≈ 0028 ( 0034 4 0029 )
- 2478 (5) PARENTHESIZED DIGIT FIVE  
≈ 0028 ( 0035 5 0029 )
- 2479 (6) PARENTHESIZED DIGIT SIX  
≈ 0028 ( 0036 6 0029 )
- 247A (7) PARENTHESIZED DIGIT SEVEN  
≈ 0028 ( 0037 7 0029 )
- 247B (8) PARENTHESIZED DIGIT EIGHT  
≈ 0028 ( 0038 8 0029 )
- 247C (9) PARENTHESIZED DIGIT NINE  
≈ 0028 ( 0039 9 0029 )
- 247D (10) PARENTHESIZED NUMBER TEN  
≈ 0028 ( 0031 1 0030 0 0029 )
- 247E (11) PARENTHESIZED NUMBER ELEVEN  
≈ 0028 ( 0031 1 0031 1 0029 )

- 247F (12) PARENTHESIZED NUMBER TWELVE  
≈ 0028 ( 0031 1 0032 2 0029 )
- 2480 (13) PARENTHESIZED NUMBER THIRTEEN  
≈ 0028 ( 0031 1 0033 3 0029 )
- 2481 (14) PARENTHESIZED NUMBER FOURTEEN  
≈ 0028 ( 0031 1 0034 4 0029 )
- 2482 (15) PARENTHESIZED NUMBER FIFTEEN  
≈ 0028 ( 0031 1 0035 5 0029 )
- 2483 (16) PARENTHESIZED NUMBER SIXTEEN  
≈ 0028 ( 0031 1 0036 6 0029 )
- 2484 (17) PARENTHESIZED NUMBER SEVENTEEN  
≈ 0028 ( 0031 1 0037 7 0029 )
- 2485 (18) PARENTHESIZED NUMBER EIGHTEEN  
≈ 0028 ( 0031 1 0038 8 0029 )
- 2486 (19) PARENTHESIZED NUMBER NINETEEN  
≈ 0028 ( 0031 1 0039 9 0029 )
- 2487 (20) PARENTHESIZED NUMBER TWENTY  
≈ 0028 ( 0032 2 0030 0 0029 )

**Numbers period**

- 2488 1. DIGIT ONE FULL STOP  
≈ 0031 1 002E .
- 2489 2. DIGIT TWO FULL STOP  
≈ 0032 2 002E .
- 248A 3. DIGIT THREE FULL STOP  
≈ 0033 3 002E .
- 248B 4. DIGIT FOUR FULL STOP  
≈ 0034 4 002E .
- 248C 5. DIGIT FIVE FULL STOP  
≈ 0035 5 002E .
- 248D 6. DIGIT SIX FULL STOP  
≈ 0036 6 002E .
- 248E 7. DIGIT SEVEN FULL STOP  
≈ 0037 7 002E .
- 248F 8. DIGIT EIGHT FULL STOP  
≈ 0038 8 002E .
- 2490 9. DIGIT NINE FULL STOP  
≈ 0039 9 002E .
- 2491 10. NUMBER TEN FULL STOP  
≈ 0031 1 0030 0 002E .
- 2492 11. NUMBER ELEVEN FULL STOP  
≈ 0031 1 0031 1 002E .
- 2493 12. NUMBER TWELVE FULL STOP  
≈ 0031 1 0032 2 002E .
- 2494 13. NUMBER THIRTEEN FULL STOP  
≈ 0031 1 0033 3 002E .
- 2495 14. NUMBER FOURTEEN FULL STOP  
≈ 0031 1 0034 4 002E .
- 2496 15. NUMBER FIFTEEN FULL STOP  
≈ 0031 1 0035 5 002E .
- 2497 16. NUMBER SIXTEEN FULL STOP  
≈ 0031 1 0036 6 002E .
- 2498 17. NUMBER SEVENTEEN FULL STOP  
≈ 0031 1 0037 7 002E .
- 2499 18. NUMBER EIGHTEEN FULL STOP  
≈ 0031 1 0038 8 002E .
- 249A 19. NUMBER NINETEEN FULL STOP  
≈ 0031 1 0039 9 002E .
- 249B 20. NUMBER TWENTY FULL STOP  
≈ 0032 2 0030 0 002E .

**Parenthesized Latin letters**

- 249C (a) PARENTHESIZED LATIN SMALL LETTER A  
≈ 0028 ( 0061 a 0029 )

249D (b) PARENTHESIZED LATIN SMALL LETTER B  
≈ 0028 ( 0062 b 0029 )

249E (c) PARENTHESIZED LATIN SMALL LETTER C  
≈ 0028 ( 0063 c 0029 )

249F (d) PARENTHESIZED LATIN SMALL LETTER D  
≈ 0028 ( 0064 d 0029 )

24A0 (e) PARENTHESIZED LATIN SMALL LETTER E  
≈ 0028 ( 0065 e 0029 )

24A1 (f) PARENTHESIZED LATIN SMALL LETTER F  
≈ 0028 ( 0066 f 0029 )

24A2 (g) PARENTHESIZED LATIN SMALL LETTER G  
≈ 0028 ( 0067 g 0029 )

24A3 (h) PARENTHESIZED LATIN SMALL LETTER H  
≈ 0028 ( 0068 h 0029 )

24A4 (i) PARENTHESIZED LATIN SMALL LETTER I  
≈ 0028 ( 0069 i 0029 )

24A5 (j) PARENTHESIZED LATIN SMALL LETTER J  
≈ 0028 ( 006A j 0029 )

24A6 (k) PARENTHESIZED LATIN SMALL LETTER K  
≈ 0028 ( 006B k 0029 )

24A7 (l) PARENTHESIZED LATIN SMALL LETTER L  
≈ 0028 ( 006C l 0029 )

24A8 (m) PARENTHESIZED LATIN SMALL LETTER M  
≈ 0028 ( 006D m 0029 )

24A9 (n) PARENTHESIZED LATIN SMALL LETTER N  
≈ 0028 ( 006E n 0029 )

24AA (o) PARENTHESIZED LATIN SMALL LETTER O  
≈ 0028 ( 006F o 0029 )

24AB (p) PARENTHESIZED LATIN SMALL LETTER P  
≈ 0028 ( 0070 p 0029 )

24AC (q) PARENTHESIZED LATIN SMALL LETTER Q  
≈ 0028 ( 0071 q 0029 )

24AD (r) PARENTHESIZED LATIN SMALL LETTER R  
≈ 0028 ( 0072 r 0029 )

24AE (s) PARENTHESIZED LATIN SMALL LETTER S  
≈ 0028 ( 0073 s 0029 )

24AF (t) PARENTHESIZED LATIN SMALL LETTER T  
≈ 0028 ( 0074 t 0029 )

24B0 (u) PARENTHESIZED LATIN SMALL LETTER U  
≈ 0028 ( 0075 u 0029 )

24B1 (v) PARENTHESIZED LATIN SMALL LETTER V  
≈ 0028 ( 0076 v 0029 )

24B2 (w) PARENTHESIZED LATIN SMALL LETTER W  
≈ 0028 ( 0077 w 0029 )

24B3 (x) PARENTHESIZED LATIN SMALL LETTER X  
≈ 0028 ( 0078 x 0029 )

24B4 (y) PARENTHESIZED LATIN SMALL LETTER Y  
≈ 0028 ( 0079 y 0029 )

24B5 (z) PARENTHESIZED LATIN SMALL LETTER Z  
≈ 0028 ( 007A z 0029 )

### Circled Latin letters

24B6 (A) CIRCLED LATIN CAPITAL LETTER A  
≈ <circle> 0041 A

24B7 (B) CIRCLED LATIN CAPITAL LETTER B  
≈ <circle> 0042 B

24B8 (C) CIRCLED LATIN CAPITAL LETTER C  
→ 00A9 © copyright sign  
≈ <circle> 0043 C

24B9 (D) CIRCLED LATIN CAPITAL LETTER D  
≈ <circle> 0044 D

24BA (E) CIRCLED LATIN CAPITAL LETTER E  
≈ <circle> 0045 E

24BB (F) CIRCLED LATIN CAPITAL LETTER F  
≈ <circle> 0046 F

24BC (G) CIRCLED LATIN CAPITAL LETTER G  
≈ <circle> 0047 G

24BD (H) CIRCLED LATIN CAPITAL LETTER H  
≈ <circle> 0048 H

24BE (I) CIRCLED LATIN CAPITAL LETTER I  
≈ <circle> 0049 I

24BF (J) CIRCLED LATIN CAPITAL LETTER J  
≈ <circle> 004A J

24C0 (K) CIRCLED LATIN CAPITAL LETTER K  
≈ <circle> 004B K

24C1 (L) CIRCLED LATIN CAPITAL LETTER L  
≈ <circle> 004C L

24C2 (M) CIRCLED LATIN CAPITAL LETTER M  
≈ <circle> 004D M

24C3 (N) CIRCLED LATIN CAPITAL LETTER N  
≈ <circle> 004E N

24C4 (O) CIRCLED LATIN CAPITAL LETTER O  
≈ <circle> 004F O

24C5 (P) CIRCLED LATIN CAPITAL LETTER P  
→ 2117 ® sound recording copyright  
≈ <circle> 0050 P

24C6 (Q) CIRCLED LATIN CAPITAL LETTER Q  
≈ <circle> 0051 Q

24C7 (R) CIRCLED LATIN CAPITAL LETTER R  
→ 00AE ® registered sign  
≈ <circle> 0052 R

24C8 (S) CIRCLED LATIN CAPITAL LETTER S  
≈ <circle> 0053 S

24C9 (T) CIRCLED LATIN CAPITAL LETTER T  
≈ <circle> 0054 T

24CA (U) CIRCLED LATIN CAPITAL LETTER U  
≈ <circle> 0055 U

24CB (V) CIRCLED LATIN CAPITAL LETTER V  
≈ <circle> 0056 V

24CC (W) CIRCLED LATIN CAPITAL LETTER W  
≈ <circle> 0057 W

24CD (X) CIRCLED LATIN CAPITAL LETTER X  
≈ <circle> 0058 X

24CE (Y) CIRCLED LATIN CAPITAL LETTER Y  
≈ <circle> 0059 Y

24CF (Z) CIRCLED LATIN CAPITAL LETTER Z  
≈ <circle> 005A Z

24D0 (a) CIRCLED LATIN SMALL LETTER A  
≈ <circle> 0061 a

24D1 (b) CIRCLED LATIN SMALL LETTER B  
≈ <circle> 0062 b

24D2 (c) CIRCLED LATIN SMALL LETTER C  
≈ <circle> 0063 c

24D3 (d) CIRCLED LATIN SMALL LETTER D  
≈ <circle> 0064 d

24D4 (e) CIRCLED LATIN SMALL LETTER E  
≈ <circle> 0065 e

24D5 (f) CIRCLED LATIN SMALL LETTER F  
≈ <circle> 0066 f

24D6 (g) CIRCLED LATIN SMALL LETTER G  
≈ <circle> 0067 g

24D7 (h) CIRCLED LATIN SMALL LETTER H  
≈ <circle> 0068 h

24D8 (i) CIRCLED LATIN SMALL LETTER I  
≈ <circle> 0069 i

24D9 (j) CIRCLED LATIN SMALL LETTER J  
≈ <circle> 006A j

24DA (k) CIRCLED LATIN SMALL LETTER K  
≈ <circle> 006B k

24DB	Ⓛ	CIRCLED LATIN SMALL LETTER L ≈ <circle> 006C l
24DC	Ⓜ	CIRCLED LATIN SMALL LETTER M ≈ <circle> 006D m
24DD	Ⓝ	CIRCLED LATIN SMALL LETTER N ≈ <circle> 006E n
24DE	Ⓞ	CIRCLED LATIN SMALL LETTER O ≈ <circle> 006F o
24DF	Ⓟ	CIRCLED LATIN SMALL LETTER P ≈ <circle> 0070 p
24E0	Ⓠ	CIRCLED LATIN SMALL LETTER Q ≈ <circle> 0071 q
24E1	Ⓡ	CIRCLED LATIN SMALL LETTER R ≈ <circle> 0072 r
24E2	Ⓢ	CIRCLED LATIN SMALL LETTER S ≈ <circle> 0073 s
24E3	Ⓣ	CIRCLED LATIN SMALL LETTER T ≈ <circle> 0074 t
24E4	Ⓤ	CIRCLED LATIN SMALL LETTER U ≈ <circle> 0075 u
24E5	Ⓥ	CIRCLED LATIN SMALL LETTER V ≈ <circle> 0076 v
24E6	Ⓦ	CIRCLED LATIN SMALL LETTER W ≈ <circle> 0077 w
24E7	Ⓧ	CIRCLED LATIN SMALL LETTER X ≈ <circle> 0078 x
24E8	Ⓨ	CIRCLED LATIN SMALL LETTER Y ≈ <circle> 0079 y
24E9	Ⓩ	CIRCLED LATIN SMALL LETTER Z ≈ <circle> 007A z

**Additional circled number**

24EA	⓪	CIRCLED DIGIT ZERO ≈ <circle> 0030 0
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**White on black circled numbers**

24EB	⓫	NEGATIVE CIRCLED NUMBER ELEVEN
24EC	⓬	NEGATIVE CIRCLED NUMBER TWELVE
24ED	⓭	NEGATIVE CIRCLED NUMBER THIRTEEN
24EE	⓮	NEGATIVE CIRCLED NUMBER FOURTEEN
24EF	⓯	NEGATIVE CIRCLED NUMBER FIFTEEN
24F0	⓰	NEGATIVE CIRCLED NUMBER SIXTEEN
24F1	⓱	NEGATIVE CIRCLED NUMBER SEVENTEEN
24F2	⓲	NEGATIVE CIRCLED NUMBER EIGHTEEN
24F3	⓳	NEGATIVE CIRCLED NUMBER NINETEEN
24F4	⓴	NEGATIVE CIRCLED NUMBER TWENTY

**Double circled numbers**

24F5	⓪	DOUBLE CIRCLED DIGIT ONE
24F6	Ⓛ	DOUBLE CIRCLED DIGIT TWO
24F7	Ⓜ	DOUBLE CIRCLED DIGIT THREE
24F8	Ⓝ	DOUBLE CIRCLED DIGIT FOUR
24F9	Ⓞ	DOUBLE CIRCLED DIGIT FIVE
24FA	Ⓟ	DOUBLE CIRCLED DIGIT SIX
24FB	Ⓠ	DOUBLE CIRCLED DIGIT SEVEN
24FC	Ⓡ	DOUBLE CIRCLED DIGIT EIGHT
24FD	Ⓢ	DOUBLE CIRCLED DIGIT NINE
24FE	Ⓣ	DOUBLE CIRCLED NUMBER TEN

**Additional white on black circled number**

24FF	⓪	NEGATIVE CIRCLED DIGIT ZERO → 2776 ⓪ dingbat negative circled digit one
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