

Miscellaneous Symbols and Arrows

Range: 2B00–2BFF

The Unicode Standard, Version 5.1

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 5.1*.

Characters in this chart that are new for The Unicode Standard, Version 5.1 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/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-5.1/> for charts showing only the characters added in Unicode 5.1.

See <http://www.unicode.org/Public/5.1.0/charts/> for a complete archived file of character code charts for Unicode 5.1.

Disclaimer

These charts are provided as the online reference to the character contents of the Unicode Standard, Version 5.1 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, #34, #38, #41, #42, and #44, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available online.

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

The shapes of the reference glyphs used in these code charts are not prescriptive. Considerable variation is to be expected in actual fonts. The particular fonts used in these charts were provided to the Unicode Consortium by a number of different font designers, who own the rights to the fonts.

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

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















































































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

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	2B0	2B1	2B2	2B3	2B4	2B5	2B6	2B7	2B8	2B9	2BA	2BB	2BC	2BD	2BE	2BF
0	 2B00	 2B10	 2B20	 2B30	 2B40	 2B50										
1	 2B01	 2B11	 2B21	 2B31	 2B41	 2B51										
2	 2B02	 2B12	 2B22	 2B32	 2B42	 2B52										
3	 2B03	 2B13	 2B23	 2B33	 2B43	 2B53										
4	 2B04	 2B14	 2B24	 2B34	 2B44	 2B54										
5	 2B05	 2B15	 2B25	 2B35	 2B45											
6	 2B06	 2B16	 2B26	 2B36	 2B46											
7	 2B07	 2B17	 2B27	 2B37	 2B47											
8	 2B08	 2B18	 2B28	 2B38	 2B48											
9	 2B09	 2B19	 2B29	 2B39	 2B49											
A	 2B0A	 2B1A	 2B2A	 2B3A	 2B4A											
B	 2B0B	 2B1B	 2B2B	 2B3B	 2B4B											
C	 2B0C	 2B1C	 2B2C	 2B3C	 2B4C											
D	 2B0D	 2B1D	 2B2D	 2B3D												
E	 2B0E	 2B1E	 2B2E	 2B3E												
F	 2B0F	 2B1F	 2B2F	 2B3F												

White and black arrows

Other white and black arrows to complete this set can be found in the Arrows and Dingbats blocks.

2B00	↗	NORTH EAST WHITE ARROW
2B01	↖	NORTH WEST WHITE ARROW
2B02	↘	SOUTH EAST WHITE ARROW
2B03	↙	SOUTH WEST WHITE ARROW
2B04	↔	LEFT RIGHT WHITE ARROW
	→ 21E6 ⇐	leftwards white arrow
	→ 21F3 ⇕	up down white arrow
2B05	←	LEFTWARDS BLACK ARROW
	→ 27A1 →	black rightwards arrow
2B06	↑	UPWARDS BLACK ARROW
2B07	↓	DOWNWARDS BLACK ARROW
2B08	↗	NORTH EAST BLACK ARROW
2B09	↖	NORTH WEST BLACK ARROW
2B0A	↘	SOUTH EAST BLACK ARROW
2B0B	↙	SOUTH WEST BLACK ARROW
2B0C	↔	LEFT RIGHT BLACK ARROW
2B0D	↑	UP DOWN BLACK ARROW

Arrows with bent tips

Other arrows with bent tips to complete this set can be found in the Arrows block.

2B0E	↘	RIGHTWARDS ARROW WITH TIP DOWNWARDS
2B0F	↗	RIGHTWARDS ARROW WITH TIP UPWARDS
2B10	↖	LEFTWARDS ARROW WITH TIP DOWNWARDS
2B11	↗	LEFTWARDS ARROW WITH TIP UPWARDS

Squares

2B12	◼	SQUARE WITH TOP HALF BLACK
	→ 25E7 ◼	square with left half black
2B13	◼	SQUARE WITH BOTTOM HALF BLACK
2B14	◼	SQUARE WITH UPPER RIGHT DIAGONAL HALF BLACK
2B15	◼	SQUARE WITH LOWER LEFT DIAGONAL HALF BLACK

Diamonds

2B16	◊	DIAMOND WITH LEFT HALF BLACK
2B17	◊	DIAMOND WITH RIGHT HALF BLACK
2B18	◊	DIAMOND WITH TOP HALF BLACK
2B19	◊	DIAMOND WITH BOTTOM HALF BLACK

Squares

2B1A	◻	DOTTED SQUARE
2B1B	◼	BLACK LARGE SQUARE
	→ 25A0 ◼	black square
2B1C	◻	WHITE LARGE SQUARE
	→ 25A1 ◻	white square
2B1D	◼	BLACK VERY SMALL SQUARE
	→ 25AA ◼	black small square
2B1E	◻	WHITE VERY SMALL SQUARE
	→ 25AB ◻	white small square

Pentagons

2B1F	◼	BLACK PENTAGON
2B20	◻	WHITE PENTAGON

Hexagons

2B21	◻	WHITE HEXAGON
2B22	◼	BLACK HEXAGON
2B23	◼	HORIZONTAL BLACK HEXAGON

Circle

2B24	◉	BLACK LARGE CIRCLE
	→ 25CF ◉	black circle
	→ 25EF ◉	large circle

Diamonds and lozenges

2B25	◆	BLACK MEDIUM DIAMOND
	→ 25C6 ◆	black diamond
2B26	◇	WHITE MEDIUM DIAMOND
2B27	◆	BLACK MEDIUM LOZENGE
2B28	◇	WHITE MEDIUM LOZENGE
	→ 25CA ◇	lozenge
2B29	◆	BLACK SMALL DIAMOND
	→ 22C4 ◊	diamond operator
2B2A	◆	BLACK SMALL LOZENGE
2B2B	◆	WHITE SMALL LOZENGE





































Ellipses

2B2C	◌	BLACK HORIZONTAL ELLIPSE
2B2D	◌	WHITE HORIZONTAL ELLIPSE
2B2E	◌	BLACK VERTICAL ELLIPSE
2B2F	◌	WHITE VERTICAL ELLIPSE






Mathematical arrows

These provide the opposite direction complement for arrows for mathematical use not originally encoded in both a leftwards and rightwards direction.



2B30	↔	LEFT ARROW WITH SMALL CIRCLE
	→ 21F4 ↔	right arrow with small circle
2B31	⇐	THREE LEFTWARDS ARROWS
	→ 21F6 ⇐	three rightwards arrows
2B32	⊕	LEFT ARROW WITH CIRCLED PLUS
	→ 27F4 ⊕	right arrow with circled plus
2B33	↔	LONG LEFTWARDS SQUIGGLE ARROW
	→ 27FF ↔	long rightwards squiggle arrow
	→ 21DC ↔	leftwards squiggle arrow
2B34	↔	LEFTWARDS TWO-HEADED ARROW WITH VERTICAL STROKE
	→ 2900 ↔	rightwards two-headed arrow with vertical stroke
2B35	↔	LEFTWARDS TWO-HEADED ARROW WITH DOUBLE VERTICAL STROKE
	→ 2901 ↔	rightwards two-headed arrow with double vertical stroke
2B36	↔	LEFTWARDS TWO-HEADED ARROW FROM BAR
	→ 2905 ↔	rightwards two-headed arrow from bar
2B37	↔	LEFTWARDS TWO-HEADED TRIPLE DASH ARROW
	→ 2910 ↔	rightwards two-headed triple dash arrow
2B38	↔	LEFTWARDS ARROW WITH DOTTED STEM
	→ 2911 ↔	rightwards arrow with dotted stem
2B39	↔	LEFTWARDS ARROW WITH TAIL WITH VERTICAL STROKE
	→ 2914 ↔	rightwards arrow with tail with vertical stroke
2B3A	↔	LEFTWARDS ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE
	→ 2915 ↔	rightwards arrow with tail with double vertical stroke
2B3B	↔	LEFTWARDS TWO-HEADED ARROW WITH TAIL
	→ 2916 ↔	rightwards two-headed arrow with tail

- 2B3C  LEFTWARDS TWO-HEADED ARROW WITH TAIL WITH VERTICAL STROKE
→ 2917  rightwards two-headed arrow with tail with vertical stroke
- 2B3D  LEFTWARDS TWO-HEADED ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE
→ 2918  rightwards two-headed arrow with tail with double vertical stroke
- 2B3E  LEFTWARDS ARROW THROUGH X
→ 2947  rightwards arrow through x
- 2B3F  WAVE ARROW POINTING DIRECTLY LEFT
→ 2933  wave arrow pointing directly right
→ 219C  leftwards wave arrow
- 2B40  EQUALS SIGN ABOVE LEFTWARDS ARROW
→ 2971  equals sign above rightwards arrow
- 2B41  REVERSE TILDE OPERATOR ABOVE LEFTWARDS ARROW
• mirror image of “”
→ 2972  tilde operator above rightwards arrow
- 2B42  LEFTWARDS ARROW ABOVE REVERSE ALMOST EQUAL TO
• mirror image of “”
→ 2975  rightwards arrow above almost equal to
- 2B43  RIGHTWARDS ARROW THROUGH GREATER-THAN
• mirror image of “”
→ 2977  leftwards arrow through less-than
- 2B44  RIGHTWARDS ARROW THROUGH SUPERSET
• mirror image of “”
→ 297A  leftwards arrow through subset
- 2B45  LEFTWARDS QUADRUPLE ARROW
→ 27F0  upwards quadruple arrow
- 2B46  RIGHTWARDS QUADRUPLE ARROW
- 2B47  REVERSE TILDE OPERATOR ABOVE RIGHTWARDS ARROW
- 2B48  RIGHTWARDS ARROW ABOVE REVERSE ALMOST EQUAL TO
- 2B49  TILDE OPERATOR ABOVE LEFTWARDS ARROW
- 2B4A  LEFTWARDS ARROW ABOVE ALMOST EQUAL TO
- 2B4B  LEFTWARDS ARROW ABOVE REVERSE TILDE OPERATOR
• mirror image of “”
→ 2974  rightwards arrow above tilde operator
- 2B4C  RIGHTWARDS ARROW ABOVE REVERSE TILDE OPERATOR
• mirror image of “”
→ 2973  leftwards arrow above tilde operator

Stars

- 2B50  WHITE MEDIUM STAR
→ 22C6  star operator
- 2B51  BLACK SMALL STAR
→ 066D  arabic five pointed star
- 2B52  WHITE SMALL STAR

Pentagons

- 2B53  BLACK RIGHT-POINTING PENTAGON
- 2B54  WHITE RIGHT-POINTING PENTAGON