

## **Arrows**

**Range: 2190–21FF**

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 13.0*

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-13.0/> for charts showing only the characters added in Unicode 13.0.  
See <http://www.unicode.org/Public/13.0.0/charts/> for a complete archived file of character code charts for Unicode 13.0.

## **Disclaimer**

These charts are provided as the online reference to the character contents of the Unicode Standard, Version 13.0 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 13.0, online at <http://www.unicode.org/versions/Unicode13.0.0/>, as well as Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, #34, #38, #41, #42, #44, #45, and #50, 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.

Copying characters from the character code tables or list of character names is not recommended, because for production reasons the PDF files for the code charts cannot guarantee that the correct character codes will always be copied.

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*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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	219	21A	21B	21C	21D	21E	21F
0	 2190	 21A0	 21B0	 21C0	 21D0	 21E0	 21F0
1	 2191	 21A1	 21B1	 21C1	 21D1	 21E1	 21F1
2	 2192	 21A2	 21B2	 21C2	 21D2	 21E2	 21F2
3	 2193	 21A3	 21B3	 21C3	 21D3	 21E3	 21F3
4	 2194	 21A4	 21B4	 21C4	 21D4	 21E4	 21F4
5	 2195	 21A5	 21B5	 21C5	 21D5	 21E5	 21F5
6	 2196	 21A6	 21B6	 21C6	 21D6	 21E6	 21F6
7	 2197	 21A7	 21B7	 21C7	 21D7	 21E7	 21F7
8	 2198	 21A8	 21B8	 21C8	 21D8	 21E8	 21F8
9	 2199	 21A9	 21B9	 21C9	 21D9	 21E9	 21F9
A	 219A	 21AA	 21BA	 21CA	 21DA	 21EA	 21FA
B	 219B	 21AB	 21BB	 21CB	 21DB	 21EB	 21FB
C	 219C	 21AC	 21BC	 21CC	 21DC	 21EC	 21FC
D	 219D	 21AD	 21BD	 21CD	 21DD	 21ED	 21FD
E	 219E	 21AE	 21BE	 21CE	 21DE	 21EE	 21FE
F	 219F	 21AF	 21BF	 21CF	 21DF	 21EF	 21FF

**Simple arrows**

2190	←	LEFTWARDS ARROW	→ 20EA ⇌ combining leftwards arrow overlay
2191	↑	UPWARDS ARROW	• IPA: egressive airflow
2192	→	RIGHTWARDS ARROW	= z notation total function
2193	↓	DOWNWARDS ARROW	• IPA: ingressive airflow
2194	↔	LEFT RIGHT ARROW	= z notation relation
2195	↕	UP DOWN ARROW	
2196	↖	NORTH WEST ARROW	
2197	↗	NORTH EAST ARROW	
2198	↘	SOUTH EAST ARROW	
2199	↙	SOUTH WEST ARROW	

**Arrows with modifications**

219A	↵	LEFTWARDS ARROW WITH STROKE	• negation of 2190 ← ≡ 2190 ← 0338 ∅
219B	➔	RIGHTWARDS ARROW WITH STROKE	• negation of 2192 → ≡ 2192 → 0338 ∅
219C	↵	LEFTWARDS WAVE ARROW	→ 2B3F ↵ wave arrow pointing directly left
219D	➔	RIGHTWARDS WAVE ARROW	
219E	↔	LEFTWARDS TWO HEADED ARROW	= fast cursor left → 2BEC ↔ leftwards two-headed arrow with triangle arrowheads
219F	↕	UPWARDS TWO HEADED ARROW	= fast cursor up
21A0	➔	RIGHTWARDS TWO HEADED ARROW	= z notation total surjection = fast cursor right
21A1	↕	DOWNWARDS TWO HEADED ARROW	= form feed = fast cursor down
21A2	↵	LEFTWARDS ARROW WITH TAIL	
21A3	➔	RIGHTWARDS ARROW WITH TAIL	= z notation total injection
21A4	↵	LEFTWARDS ARROW FROM BAR	
21A5	↕	UPWARDS ARROW FROM BAR	
21A6	➔	RIGHTWARDS ARROW FROM BAR	= z notation maplet
21A7	↕	DOWNWARDS ARROW FROM BAR	= depth symbol
21A8	↕	UP DOWN ARROW WITH BASE	
21A9	↵	LEFTWARDS ARROW WITH HOOK	
21AA	➔	RIGHTWARDS ARROW WITH HOOK	
21AB	↵	LEFTWARDS ARROW WITH LOOP	
21AC	➔	RIGHTWARDS ARROW WITH LOOP	
21AD	↔	LEFT RIGHT WAVE ARROW	
21AE	↵	LEFT RIGHT ARROW WITH STROKE	• negation of 2194 ↔ ≡ 2194 ↔ 0338 ∅
21AF	↵	DOWNWARDS ZIGZAG ARROW	= electrolysis → 2B4D ↵ downwards triangle-headed zigzag arrow

**Arrows with bent tips**

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

21B0	↖	UPWARDS ARROW WITH TIP LEFTWARDS	
21B1	↗	UPWARDS ARROW WITH TIP RIGHTWARDS	
21B2	↘	DOWNWARDS ARROW WITH TIP LEFTWARDS	→ 1FBB4 ↘ inverse downwards arrow with tip leftwards
21B3	↙	DOWNWARDS ARROW WITH TIP RIGHTWARDS	

**Keyboard symbols and circle arrows**

21B4	↵	RIGHTWARDS ARROW WITH CORNER DOWNWARDS	= line feed
21B5	↵	DOWNWARDS ARROW WITH CORNER LEFTWARDS	• may indicate a carriage return or new line → 23CE ↵ return symbol
21B6	↶	ANTICLOCKWISE TOP SEMICIRCLE ARROW	
21B7	↷	CLOCKWISE TOP SEMICIRCLE ARROW	
21B8	↶	NORTH WEST ARROW TO LONG BAR	= home
21B9	↵	LEFTWARDS ARROW TO BAR OVER RIGHTWARDS ARROW TO BAR	= tab with shift tab → 2B7E ↵ horizontal tab key
21BA	↶	ANTICLOCKWISE OPEN CIRCLE ARROW	
21BB	↷	CLOCKWISE OPEN CIRCLE ARROW	

**Harpoons**

21BC	↵	LEFTWARDS HARPOON WITH BARB UPWARDS	
21BD	↵	LEFTWARDS HARPOON WITH BARB DOWNWARDS	
21BE	↗	UPWARDS HARPOON WITH BARB RIGHTWARDS	
21BF	↖	UPWARDS HARPOON WITH BARB LEFTWARDS	
21C0	➔	RIGHTWARDS HARPOON WITH BARB UPWARDS	
21C1	➔	RIGHTWARDS HARPOON WITH BARB DOWNWARDS	
21C2	↘	DOWNWARDS HARPOON WITH BARB RIGHTWARDS	
21C3	↘	DOWNWARDS HARPOON WITH BARB LEFTWARDS	

**Paired arrows and harpoons**

21C4	↔	RIGHTWARDS ARROW OVER LEFTWARDS ARROW	
21C5	↕	UPWARDS ARROW LEFTWARDS OF DOWNWARDS ARROW	
21C6	↔	LEFTWARDS ARROW OVER RIGHTWARDS ARROW	
21C7	↔	LEFTWARDS PAIRED ARROWS	
21C8	↕	UPWARDS PAIRED ARROWS	
21C9	➔	RIGHTWARDS PAIRED ARROWS	
21CA	↕	DOWNWARDS PAIRED ARROWS	
21CB	↔	LEFTWARDS HARPOON OVER RIGHTWARDS HARPOON	
21CC	↔	RIGHTWARDS HARPOON OVER LEFTWARDS HARPOON	

**Double arrows**

21CD	↵	LEFTWARDS DOUBLE ARROW WITH STROKE	• negation of 21D0 ⇌ ≡ 21D0 ⇌ 0338 ∅
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21CE	⇔	LEFT RIGHT DOUBLE ARROW WITH STROKE
		• negation of 21D4 ⇔ ≡ 21D4 ⇔ 0338 ∅
21CF	⇒	RIGHTWARDS DOUBLE ARROW WITH STROKE
		• negation of 21D2 ⇒ ≡ 21D2 ⇒ 0338 ∅
21D0	⇐	LEFTWARDS DOUBLE ARROW
21D1	↑	UPWARDS DOUBLE ARROW
21D2	⇒	RIGHTWARDS DOUBLE ARROW
21D3	↓	DOWNWARDS DOUBLE ARROW
21D4	⇔	LEFT RIGHT DOUBLE ARROW
21D5	⇕	UP DOWN DOUBLE ARROW
21D6	↖	NORTH WEST DOUBLE ARROW
21D7	↗	NORTH EAST DOUBLE ARROW
21D8	↘	SOUTH EAST DOUBLE ARROW
21D9	↙	SOUTH WEST DOUBLE ARROW

**Miscellaneous arrows and keyboard symbols**

21DA	⇐⇐	LEFTWARDS TRIPLE ARROW
21DB	⇒⇒	RIGHTWARDS TRIPLE ARROW
21DC	↔↔	LEFTWARDS SQUIGGLE ARROW
		→ 2B33 ↔↔ long leftwards squiggle arrow
21DD	↔↔	RIGHTWARDS SQUIGGLE ARROW
21DE	⇕⇕	UPWARDS ARROW WITH DOUBLE STROKE
		= page up
21DF	⇓⇓	DOWNWARDS ARROW WITH DOUBLE STROKE
		= page down
21E0	⇐⇐⇐	LEFTWARDS DASHED ARROW
21E1	↑↑↑	UPWARDS DASHED ARROW
21E2	⇒⇒⇒	RIGHTWARDS DASHED ARROW
21E3	↓↓↓	DOWNWARDS DASHED ARROW
21E4	←	LEFTWARDS ARROW TO BAR
		= leftward tab
21E5	→	RIGHTWARDS ARROW TO BAR
		= rightward tab

**White arrows and keyboard symbols**

21E6	↵	LEFTWARDS WHITE ARROW
		→ 2B00 ↵ north east white arrow
21E7	⇧	UPWARDS WHITE ARROW
		= shift = level 2 select (ISO 9995-7)
21E8	⇨	RIGHTWARDS WHITE ARROW
		= group select (ISO 9995-7)
21E9	⇩	DOWNWARDS WHITE ARROW
21EA	⇧	UPWARDS WHITE ARROW FROM BAR
		= caps lock
21EB	⇧	UPWARDS WHITE ARROW ON PEDESTAL
		= level 2 lock
21EC	⇧	UPWARDS WHITE ARROW ON PEDESTAL WITH HORIZONTAL BAR
		= capitals (caps) lock → 2BB8 ⇧ upwards white arrow from bar with horizontal bar
21ED	⇧	UPWARDS WHITE ARROW ON PEDESTAL WITH VERTICAL BAR
		= numeric lock
21EE	⇧⇧	UPWARDS WHITE DOUBLE ARROW
		= level 3 select
21EF	⇧⇧	UPWARDS WHITE DOUBLE ARROW ON PEDESTAL
		= level 3 lock
21F0	⇨	RIGHTWARDS WHITE ARROW FROM WALL
		= group lock

21F1	↖	NORTH WEST ARROW TO CORNER
		= home
21F2	↘	SOUTH EAST ARROW TO CORNER
		= end
21F3	⇕	UP DOWN WHITE ARROW
		= scrolling → 2B04 ⇕ left right white arrow

**Miscellaneous arrows**

21F4	⇨	RIGHT ARROW WITH SMALL CIRCLE
		→ 2B30 ⇨ left arrow with small circle
21F5	⇩⇧	DOWNWARDS ARROW LEFTWARDS OF UPWARDS ARROW
21F6	⇒⇒⇒	THREE RIGHTWARDS ARROWS
		→ 2B31 ⇐⇐⇐ three leftwards arrows
21F7	⇐	LEFTWARDS ARROW WITH VERTICAL STROKE
21F8	⇒	RIGHTWARDS ARROW WITH VERTICAL STROKE
		= z notation partial function
21F9	⇔	LEFT RIGHT ARROW WITH VERTICAL STROKE
		= z notation partial relation
21FA	⇐⇐	LEFTWARDS ARROW WITH DOUBLE VERTICAL STROKE
21FB	⇒⇒	RIGHTWARDS ARROW WITH DOUBLE VERTICAL STROKE
		= z notation finite function
21FC	⇔⇔	LEFT RIGHT ARROW WITH DOUBLE VERTICAL STROKE
		= z notation finite relation
21FD	⇐	LEFTWARDS OPEN-HEADED ARROW
21FE	⇒	RIGHTWARDS OPEN-HEADED ARROW
21FF	⇔	LEFT RIGHT OPEN-HEADED ARROW