***Javascript Key Codes***

**Question:** Are the keyCode values of keydown/keyup events standardized across browsers?

**Answer:** No, unfortunately, not all key codes are standardized. For example, the minus key has different key codes in different browsers. The table below shows the event.keyCode values for **keydown** and **keyup** events in Opera 25, Internet Exlorer 11, Firefox 32, Safari 5.1, and Google Chrome 38. If you are interested in key codes for older browsers (ca.2011), please refer to [www.javascripter.net/faq/keycodes2011.htm](http://www.javascripter.net/faq/keycodes2011.htm) or, for even older bowsers, see the W3C Working Group Note [Legacy Keyboard Event Properties](http://dev.w3.org/2006/webapi/DOM-Level-3-Events/html/Note-KeyProps.html). Common key codes that are relatively safe to use across browsers are shown in black. Key codes that differ across browsers are shown in red. ***Do not*** use this table for *character codes* of **keypress** events: keypress character codes are not key-specific and may be enirely different from keydown/keyup key codes.

keydown/keyup event.keyCode

Opera MSIE Firefox Safari Chrome Key pressed

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8 8 8 8 8 Backspace

9 9 9 9 9 Tab

13 13 13 13 13 Enter

16 16 16 16 16 Shift

17 17 17 17 17 Ctrl

18 18 18 18 18 Alt

19 19 19 19 19 Pause, Break

20 20 20 20 20 CapsLock

27 27 27 27 27 Esc

32 32 32 32 32 Space

33 33 33 33 33 Page Up

34 34 34 34 34 Page Down

35 35 35 35 35 End

36 36 36 36 36 Home

37 37 37 37 37 Left arrow

38 38 38 38 38 Up arrow

39 39 39 39 39 Right arrow

40 40 40 40 40 Down arrow

44 44 44 44 PrntScrn (see below†)

45 45 45 45 45 Insert

46 46 46 46 46 Delete

48-57 48-57 48-57 48-57 48-57 0 to 9

65-90 65-90 65-90 65-90 65-90 A to Z

91 91 91 91 91 WIN Key (Start)

93 93 93 93 93 WIN Menu

112-123 112-123 112-123 112-123 112-123 F1 to F12

144 144 144 144 144 NumLock

145 145 145 145 145 ScrollLock

188 188 188 188 188 , <

190 190 190 190 190 . >

191 191 191 191 191 / ?

192 192 192 192 192 ` ~

219 219 219 219 219 [ { (see below‡)

220 220 220 220 220 \ |

221 221 221 221 221 ] }

222 222 222 222 222 ' "

†In most browsers, pressing the PrntScrn key fires **keyup** events only.   
‡Key code 219 also corresponds to the Win Key (Start) in [older versions of Opera](http://www.javascripter.net/faq/keycodes2011.htm).

The following key codes differ across browsers:

Keydown / keyup event.keyCode

Opera MSIE Firefox Safari Chrome Key pressed

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

173 173 181 173 173 Mute On|Off

174 174 182 174 174 Volume Down

175 175 183 175 175 Volume Up

186 186 59 186 186 ; :

187 187 61 187 187 = +

189 189 173 189 189 - \_

The numeric keypad may produce different keycodes depending on the NumLock state:

All of the above browsers (NumLock On/Off) Key pressed

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

96/45 Numpad 0 INS

97/35 Numpad 1 End

98/40 Numpad 2 Down

99/34 Numpad 3 Pg Down

100/37 Numpad 4 Left

101/12 Numpad 5

102/39 Numpad 6 Right

103/36 Numpad 7 Home

104/38 Numpad 8 Up

105/33 Numpad 9 Pg Up

106/106 Numpad \*

107/107 Numpad +

109/109 Numpad -

110/46 Numpad . Del

111/111 Numpad /