**Metacharacters**

Metacharacters are characters with a special meaning:

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| **Metacharacter** | **Description** |
| [.](https://www.w3schools.com/jsref/jsref_regexp_dot.asp) | Find a single character, except newline or line terminator |
| [\w](https://www.w3schools.com/jsref/jsref_regexp_wordchar.asp) | Find a word character |
| [\W](https://www.w3schools.com/jsref/jsref_regexp_wordchar_non.asp) | Find a non-word character |
| [\d](https://www.w3schools.com/jsref/jsref_regexp_digit.asp) | Find a digit |
| [\D](https://www.w3schools.com/jsref/jsref_regexp_digit_non.asp) | Find a non-digit character |
| [\s](https://www.w3schools.com/jsref/jsref_regexp_whitespace.asp) | Find a whitespace character |
| [\S](https://www.w3schools.com/jsref/jsref_regexp_whitespace_non.asp) | Find a non-whitespace character |
| [\b](https://www.w3schools.com/jsref/jsref_regexp_begin.asp) | Find a match at the beginning/end of a word |
| [\B](https://www.w3schools.com/jsref/jsref_regexp_begin_not.asp) | Find a match not at the beginning/end of a word |
| [\0](https://www.w3schools.com/jsref/jsref_regexp_nul.asp) | Find a NUL character |
| [\n](https://www.w3schools.com/jsref/jsref_regexp_newline.asp) | Find a new line character |
| [\f](https://www.w3schools.com/jsref/jsref_regexp_formfeed.asp) | Find a form feed character |
| [\r](https://www.w3schools.com/jsref/jsref_regexp_carriagereturn.asp) | Find a carriage return character |
| [\t](https://www.w3schools.com/jsref/jsref_regexp_tab.asp) | Find a tab character |
| [\v](https://www.w3schools.com/jsref/jsref_regexp_vtab.asp) | Find a vertical tab character |
| [\xxx](https://www.w3schools.com/jsref/jsref_regexp_octal.asp) | Find the character specified by an octal number xxx |
| [\xdd](https://www.w3schools.com/jsref/jsref_regexp_hex.asp) | Find the character specified by a hexadecimal number dd |
| [\uxxxx](https://www.w3schools.com/jsref/jsref_regexp_unicode_hex.asp) | Find the Unicode character specified by a hexadecimal number xxxx |

**Modifiers**

Modifiers are used to perform case-insensitive and global searches:

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| **Modifier** | **Description** |
| [i](https://www.w3schools.com/jsref/jsref_regexp_i.asp) | Perform case-insensitive matching |
| [g](https://www.w3schools.com/jsref/jsref_regexp_g.asp) | Perform a global match (find all matches rather than stopping after the first match) |
| [m](https://www.w3schools.com/jsref/jsref_regexp_m.asp) | Perform multiline matching |

**Quantifiers**

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| **Quantifier** | **Description** |
| [n+](https://www.w3schools.com/jsref/jsref_regexp_onemore.asp) | Matches any string that contains at least one *n* |
| [n\*](https://www.w3schools.com/jsref/jsref_regexp_zeromore.asp) | Matches any string that contains zero or more occurrences of *n* |
| [n?](https://www.w3schools.com/jsref/jsref_regexp_zeroone.asp) | Matches any string that contains zero or one occurrences of *n* |
| [n{X}](https://www.w3schools.com/jsref/jsref_regexp_nx.asp) | Matches any string that contains a sequence of *X* *n*'s |
| [n{X,Y}](https://www.w3schools.com/jsref/jsref_regexp_nxy.asp) | Matches any string that contains a sequence of X to Y *n*'s |
| [n{X,}](https://www.w3schools.com/jsref/jsref_regexp_nxcomma.asp) | Matches any string that contains a sequence of at least X *n*'s |
| [n$](https://www.w3schools.com/jsref/jsref_regexp_ndollar.asp) | Matches any string with *n* at the end of it |
| [^n](https://www.w3schools.com/jsref/jsref_regexp_ncaret.asp) | Matches any string with *n* at the beginning of it |
| [?=n](https://www.w3schools.com/jsref/jsref_regexp_nfollow.asp) | Matches any string that is followed by a specific string *n* |
| [?!n](https://www.w3schools.com/jsref/jsref_regexp_nfollow_not.asp) | Matches any string that is not followed by a specific string *n* |

**RegExp Object Properties**

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| **Property** | **Description** |
| [constructor](https://www.w3schools.com/jsref/jsref_regexp_constructor.asp) | Returns the function that created the RegExp object's prototype |
| [global](https://www.w3schools.com/jsref/jsref_regexp_global.asp) | Checks whether the "g" modifier is set |
| [ignoreCase](https://www.w3schools.com/jsref/jsref_regexp_ignorecase.asp) | Checks whether the "i" modifier is set |
| [lastIndex](https://www.w3schools.com/jsref/jsref_regexp_lastindex.asp) | Specifies the index at which to start the next match |
| [multiline](https://www.w3schools.com/jsref/jsref_regexp_multiline.asp) | Checks whether the "m" modifier is set |
| [source](https://www.w3schools.com/jsref/jsref_regexp_source.asp) | Returns the text of the RegExp pattern |

**RegExp Object Methods**

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| **Method** | **Description** |
| [compile()](https://www.w3schools.com/jsref/jsref_regexp_compile.asp) | Deprecated in version 1.5. Compiles a regular expression |
| [exec()](https://www.w3schools.com/jsref/jsref_regexp_exec.asp) | Tests for a match in a string. Returns the first match |
| [test()](https://www.w3schools.com/jsref/jsref_regexp_test.asp) | Tests for a match in a string. Returns true or false |
| [toString()](https://www.w3schools.com/jsref/jsref_regexp_tostring.asp) | Returns the string value of the regular expression |