

Anchors	Assertions	Groups and Ranges
<code>^</code> Start of string, or start of line in multi-line pattern	<code>?=</code> Lookahead assertion	<code>.</code> Any character except new line ( <code>\n</code> )
<code>\A</code> Start of string	<code>?!</code> Negative lookahead	<code>(a b)</code> a or b
<code>\$</code> End of string, or end of line in multi-line pattern	<code>?&lt;=</code> Lookbehind assertion	<code>(...)</code> Group
<code>\Z</code> End of string	<code>?!= or ?&lt;!</code> Negative lookbehind	<code>(?:...)</code> Passive (non-capturing) group
<code>\b</code> Word boundary	<code>?&gt;</code> Once-only Subexpression	<code>[abc]</code> Range (a or b or c)
<code>\B</code> Not word boundary	<code>?()</code> Condition [if then]	<code>[^abc]</code> Not (a or b or c)
<code>\&lt;</code> Start of word	<code>?() </code> Condition [if then else]	<code>[a-q]</code> Lower case letter from a to q
<code>\&gt;</code> End of word	<code>?#</code> Comment	<code>[A-Q]</code> Upper case letter from A to Q
Character Classes	Quantifiers	<code>[0-7]</code> Digit from 0 to 7
<code>\c</code> Control character	<code>*</code> 0 or more <code>{3}</code> Exactly 3	<code>\x</code> Group/subpattern number "x"
<code>\s</code> White space	<code>+</code> 1 or more <code>{3,}</code> 3 or more	Ranges are inclusive.
<code>\S</code> Not white space	<code>?</code> 0 or 1 <code>{3,5}</code> 3, 4 or 5	Pattern Modifiers
<code>\d</code> Digit	Add a <code>?</code> to a quantifier to make it ungreedy.	<code>g</code> Global match
<code>\D</code> Not digit	Escape Sequences	<code>i *</code> Case-insensitive
<code>\w</code> Word	<code>\</code> Escape following character	<code>m *</code> Multiple lines
<code>\W</code> Not word	<code>\Q</code> Begin literal sequence	<code>s *</code> Treat string as single line
<code>\x</code> Hexadecimal digit	<code>\E</code> End literal sequence	<code>x *</code> Allow comments and whitespace in pattern
<code>\O</code> Octal digit	"Escaping" is a way of treating characters which have a special meaning in regular expressions literally, rather than as special characters.	<code>e *</code> Evaluate replacement
POSIX	Common Metachcharacters	<code>U *</code> Ungreedy pattern
<code>[:upper:]</code> Upper case letters	<code>^</code> <code>[</code> <code>.</code> <code>\$</code>	<code>*</code> PCRE modifier
<code>[:lower:]</code> Lower case letters	<code>{</code> <code>*</code> <code>(</code> <code>\</code>	String Replacement
<code>[:alpha:]</code> All letters	<code>+</code> <code>)</code> <code> </code> <code>?</code>	<code>\$n</code> nth non-passive group
<code>[:alnum:]</code> Digits and letters	<code>&lt;</code> <code>&gt;</code>	<code>\$2</code> "xyz" in <code>/(abc(xyz))\$/</code>
<code>[:digit:]</code> Digits	The escape character is usually <code>\</code>	<code>\$1</code> "xyz" in <code>/^(?:abc)(xyz)\$/</code>
<code>[:xdigit:]</code> Hexadecimal digits	Special Characters	<code>\$'</code> Before matched string
<code>[:punct:]</code> Punctuation	<code>\n</code> New line	<code>\$'</code> After matched string
<code>[:blank:]</code> Space and tab	<code>\r</code> Carriage return	<code>\$+</code> Last matched string
<code>[:space:]</code> Blank characters	<code>\t</code> Tab	<code>\$&amp;</code> Entire matched string
<code>[:cntrl:]</code> Control characters	<code>\v</code> Vertical tab	Some regex implementations use <code>\</code> instead of <code>\$</code> .
<code>[:graph:]</code> Printed characters	<code>\f</code> Form feed	
<code>[:print:]</code> Printed characters and spaces	<code>\xxx</code> Octal character xxx	
<code>[:word:]</code> Digits, letters and underscore	<code>\xhh</code> Hex character hh	



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 Page 1 of 1.

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