

Anchors		Sample Patterns	
^	Start of line +	([A-Za-z0-9-]+)	Letters, numbers and hyphens
\A	Start of string +	(\d{1,2}\V\d{1,2}\V\d{4})	Date (e.g. 21/3/2006)
\$	End of line +	([^\s]+(?:\.(jpg gif png)))\.\2	jpg, gif or png image
\Z	End of string +	(^[1-9]{1}\$ ^[1-4]{1}[0-9]{1}\$ ^50\$)	Any number from 1 to 50 inclusive
\b	Word boundary +	(#?([A-Fa-f0-9]){3}([A-Fa-f0-9]){3})?)	Valid hexadecimal colour code
\B	Not word boundary +	((?=[*\d])(?=[*a-z])(?=[*A-Z]).{8,15})	8 to 15 character string with at least one upper case letter, one lower case letter, and one digit (useful for passwords).
\<	Start of word	(\w+@[a-zA-Z_]+?\.[a-zA-Z]{2,6})	Email addresses
\>	End of word	(\<(/?[^\>]+)\>)	HTML Tags
Character Classes		Note These patterns are intended for reference purposes and have not been extensively tested. Please use with caution and test thoroughly before use.	
\c	Control character		
\s	White space		
\S	Not white space		
\d	Digit		
\D	Not digit		
\w	Word		
\W	Not word		
\xhh	Hexadecimal character hh		
\Oxxx	Octal character xxx		
POSIX Character Classes			
[:upper:]	Upper case letters		
[:lower:]	Lower case letters		
[:alpha:]	All letters		
[:alnum:]	Digits and letters		
[:digit:]	Digits		
[:xdigit:]	Hexadecimal digits		
[:punct:]	Punctuation		
[:blank:]	Space and tab		
[:space:]	Blank characters		
[:cntrl:]	Control characters		
[:graph:]	Printed characters		
[:print:]	Printed characters and spaces		
[:word:]	Digits, letters and underscore		
[:word:]	Digits, letters and underscore		
Assertions			
?=	Lookahead assertion +		
?!	Negative lookahead +		
?<=	Lookbehind assertion +		
?!= or ?<!	Negative lookbehind +		
?>	Once-only Subexpression		
?()	Condition [if then]		
?()	Condition [if then else]		
?#	Comment		
Note	Items marked + should work in most regular expression implementations.	String Replacement (Backreferences)	
		\$n	nth non-passive group
		\$2	"xyz" in /^(abc(xyz))\$/
		\$1	"xyz" in /^(?:abc)(xyz)\$/
		\$`	Before matched string
		\$'	After matched string
		\$+	Last matched string
		\$&	Entire matched string
		\$_	Entire input string
		\$\$	Literal "\$"
Quantifiers		Ranges	
*	0 or more +	.	Any character except new line (\n) +
*?	0 or more, ungreedy +	(a b)	a or b +
+	1 or more +	(...)	Group +
+?	1 or more, ungreedy +	(?:...)	Passive Group +
?	0 or 1 +	[abc]	Range (a or b or c) +
??	0 or 1, ungreedy +	[^abc]	Not a or b or c +
{3}	Exactly 3 +	[a-q]	Letter between a and q +
{3,}	3 or more +	[A-Q]	Upper case letter + between A and Q +
{3,5}	3, 4 or 5 +	[0-7]	Digit between 0 and 7 +
{3,5}?	3, 4 or 5, ungreedy +	\n	nth group/subpattern +
Special Characters		Note	Ranges are inclusive.
\	Escape Character +		
\n	New line +		
\r	Carriage return +		
\t	Tab +		
\v	Vertical tab +		
\f	Form feed +		
\a	Alarm		
[\b]	Backspace		
\e	Escape		
\N{name}	Named Character		
Pattern Modifiers			
g	Global match		
i	Case-insensitive		
m	Multiple lines		
s	Treat string as single line		
x	Allow comments and white space in pattern		
e	Evaluate replacement		
U	Ungreedy pattern		
Metacharacters (must be escaped)			
^	[	.	
\$	{	*	
(	\	+	
)		?	
<	>		
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