

## Alteryx Designer Desktop - Regex Cheat Sheet

Major Meta Character	Digit	Letter		Special Character				
	0-9	Lower Case a-z	Upper Case A-Z	Whitespace <code>\s</code>	Tab	Underbar <code>\_</code>	New Line	Else
<code>.</code>								
<code>\d</code>	<code>\D</code>							
<code>\w</code>	<code>\W</code>							
<code>\s</code>	<code>\S</code>							
<code>\l</code>	<code>\L</code>							
<code>\u</code>	<code>\U</code>							
<code>[:alpha:]</code>								
<code>[:punct:]</code>								

Other	Description	Match Result for string "Alteryx Designer"	
<code>\b</code>	Word boundary	<code>\wb</code>	Alteryx*Designer
<code>\B</code>	Not-word boundary	<code>\wB</code>	Alteryx*Designer
<code>^</code>	Beginning of line	<code>^lw</code>	Alteryx*Designer
<code>\$</code>	End of line	<code>lw\$</code>	Alteryx*Designer
<code>[]</code>	Any one character in the set	<code>[ABCDEfgh]</code>	Alteryx*Designer <small>Can specify range by "-" ; ABCDEF → A-F</small>
<code>[^]</code>	Any one character NOT in the set	<code>[^ABCDEfgh]</code>	Alteryx*Designer
<code> </code>	Or	<code>(Designer Server)</code>	Alteryx*Designer
<code>()</code>	Caputured grouping	<code>(Alteryx)</code>	Alteryx*Designer <small>Can refer to them by \$1,\$2..in Regex_Replcae function</small>
<code>(?:)</code>	Non-captured grouping	<code>(?:Alteryx)</code>	Alteryx*Designer
<code>\1, \2....</code>	Reference to caputerd group	<code>.*(lw{2})(.*)\1</code>	Alteryx*Designer <small>"er" is captured first, then it hits again at the end</small>

\*The above colored match result is helped by <https://regex101.com/>

Quantifier	Description	Longest Match (Greedy)	Parse Result for string "ABCD"	Shortest Match (Reluctant)	Parse Result for string "ABCD"
<code>?</code>	0 or 1	<code>.?</code>	ABCD	<code>.??</code>	(empty string)
<code>*</code>	0 or more	<code>.*</code>	ABCD	<code>.*?</code>	(empty string)
<code>+</code>	1 or more	<code>.+</code>	ABCD	<code>.+?</code>	A
<code>{m}</code>	Exactly m number	<code>{2}</code>	AB	<code>{2}?</code>	AB
<code>{m,n}</code>	Between m and n	<code>{2,4}</code>	ABCD	<code>{2,4}?</code>	AB
<code>{m,}</code>	m and more	<code>{2,}</code>	ABCD	<code>{2,}?</code>	AB

\*This sheats does not cover all of Regex function in Alteryx Designer Desktop. Refer to help for more detail and comprehensive information.