

# vi / vim graphical cheat sheet

**Esc**  
normal mode

~ toggle case	! external filter	@ play macro	# prev ident	\$ eol	% goto match	^ "soft" bol	& repeat :s	* next ident	( begin sentence	) end sentence	"soft" bol down	+ next line
. goto mark	1	2	3	4	5	6	7	8	9	0 "hard" bol	- prev line	= auto <sup>3</sup> format
Q ex mode	W next WORD	E end WORD	R replace mode	T back 'till	Y yank line	U undo line	I insert at bol	O open above	P paste before	{ begin parag.	} end parag.	
q record macro	w next word	e end word	r replace char	t 'till	y yank <sup>1,3</sup>	u undo	i insert mode	o open below	p paste <sup>1</sup> after	[ misc	] misc	
A append at eol	S subst line	D delete to eol	F "back" find ch	G eof/ goto ln	H screen top	J join lines	K help	L screen bottom	: ex cmd line	" reg. <sup>1</sup> spec	bol/ goto col	
a append	s subst char	d delete <sup>1,3</sup>	f find char	g extra <sup>6</sup> cmds	h ←	j ↓	k ↑	l →	; repeat t/T/f/F	' goto mk. bol	\ not used!	
Z quit <sup>4</sup>	X back-space	C change to eol	V visual lines	B prev WORD	N prev (find)	M screen mid'l	< un- <sup>3</sup> indent	> indent <sup>3</sup>	? find (rev.)			
Z extra <sup>5</sup> cmds	X delete char	c change <sup>1,3</sup>	V visual mode	b prev word	n next (find)	m set mark	, reverse t/T/f/F	. repeat cmd	/ find			

<b>motion</b>	moves the cursor, or defines the range for an operator
<b>command</b>	direct action command, if <b>red</b> , it enters insert mode
<b>operator</b>	requires a motion afterwards, operates between cursor & destination
<b>extra</b>	special functions, requires extra input
q.	commands with a dot need a char argument afterwards

bol = beginning of line, eol = end of line,  
mk = mark, yank = copy

words: `quux(foo, bar, baz);`  
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## Main command line commands ('ex'):

:w (save), :q (quit), :q! (quit w/o saving)  
:e f (open file f),  
:%s/x/y/g (replace 'x' by 'y' filewide),  
:h (help in vim), :new (new file in vim),

## Other important commands:

CTRL-R: redo (vim),  
CTRL-F/-B: page up/down,  
CTRL-E/-Y: scroll line up/down,  
CTRL-V: block-visual mode (vim only)

## Visual mode:

Move around and type operator to act on selected region (vim only)

## Notes:

- (1) use "x before a yank/paste/del command to use that register ('clipboard') (x=a..z,\*) (e.g.: "ay\$ to copy rest of line to reg 'a')
- (2) type in a number before any action to repeat it that number of times (e.g.: 2p, d2w, 5i, d4j)
- (3) duplicate operator to act on current line (dd = delete line, >> = indent line)
- (4) ZZ to save & quit, ZQ to quit w/o saving
- (5) zt: scroll cursor to top, zb: bottom, zz: center
- (6) gg: top of file (vim only), gf: open file under cursor (vim only)