

OpenBSD's CSI sequences succinct reference

Info

ESC	oct 033 , hex 0x1B , dec 27 , \e in printf	
ESC[CSI (Control Sequence Introducer)	
CSI in pd ksh's print	\033[
CSI in printf	\033[or \x1b[or \e[
CSI parameters m	SGR (Select Graphic Rendition) sets display attributes	
m	indicates the end of SGR sequence	
example in pd ksh	print -n -- "\033[1;1H\033[0J'	<i># clears the screen</i>
example in pd ksh	print -- 'Hello \033[32mWorld\033[0m!'	<i># prints "World" in green</i>
example (not CSI)	print -- 'Price: 97\033(0)\033(B'	<i># prints "Price: 97£"</i>

Colors

CSI30..37m	regular foreground colors
CSI90..97m	bright foreground colors
CSI38;5;0..255m	foreground colors from 0 to 255
CSI38;2;r;g;b;bm	foreground RGB colors from 0 to 255 each
CSI39m	default foreground color
<hr/>	
CSI40..47m	regular background colors
CSI100..107m	bright background colors
CSI48;5;0..255m	background colors from 0 to 255
CSI48;2;r;g;b;bm	background RGB colors from 0 to 255 each
CSI49m	default background color

Other

CSI0m	resets all text and color attributes, 0 can be omitted (CSI m)
CSI1m	bold
CSI2m	dim (rarely supported)
CSI3m	italic
CSI4m	underline
CSI5m	blink
CSI7m	reverse video
CSI9m	strike-through
CSI21m	double underline , or bold underline
CSI22m	normal font (cancels bold and dim)
CSI23m	normal font (cancels italic)
CSI24m	normal font (cancels underline)
CSI25m	normal font (cancels blink)
CSI27m	normal font (cancels reverse video)
CSI29m	normal font (cancels strike-through)
<hr/>	
CSIcolG	moves cursor to specified column (leftmost is 1)
CSIrow;colH	moves cursor to specified row and column (top left is 1;1) (CUP)
CSIrow;colf	same as above on most terminals (format effector function)
CSI0J	erases screen below the cursor
CSI1J	erases screen above the cursor
CSI2J	erases everything on screen
CSIs	saves cursor's position
CSIfu	restores cursor's position
CSI?5h	inverts terminal colors
CSI?5l	restores terminal colors back to normal
CSI?25l	hides the cursor
CSI?25h	shows the cursor

Not CSI

<code>\033(O</code>	starts alternate character set (not CSI)
<code>\033(B</code>	ends alternate character set (not CSI)
<code>\033%@</code>	sets character set to ISO 8859-1 (default character set) (not CSI)
<code>\033%G</code>	sets character set to UTF-8 (not CSI)
<code>\033c</code>	resets the terminal (not CSI)
<code>\033]0;title\07</code>	sets window title (not CSI, uses closing square bracket)

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