

# Web Development

Various pages regarding the development of web content (JS, PHP, HTML, CSS, etc.)

- [Wiki Edits \(Bookstack\)](#)

# Wiki Edits (Bookstack)

This page provides a collection of useful code snippets for the Wiki. The Wiki used in question is the open-source 'Bookstack'.

## Dark Design Enforcement

It is possible to default to dark magic and only provide a dark theme experience to your users. Needed are two things, the parameter for docker and some CSS:

```
APP_DEFAULT_DARK_MODE=true
```

```
form:has(svg[data-icon="light-mode"], form[action*="toggle-dark-mode"] ) {
  display: none !important;
}

nav > div.dropdown-container > ul > li[role="presentation"] {
  display: none !important;
}
```

Be advised that the theme-selection is cached and any user might still use a light theme if their session is active and the preference is thus being enforced.

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## Own Theme for CodeMirror

To provide CodeMirror with a own theme there are several things possible.

The docs for this are located at <https://www.bookstackapp.com/docs/admin/visual-customisation/#changing-code-block-themes>

Below is a simple javascript of the code highlighting used here that you can put into the "Custom HTML Head Content":

```
<script>
const background      = '#182534', // editor background
  highlightBg         = '#252D3C', // active line / selection highlight
  surface              = '#244497', // tooltips / panels
  mutedText           = '#5C7088', // dimmed text (comments etc.)
  softText             = '#7C90A0', // secondary text
```

```

accentText      = '#9FB4C5', // softer accents
mainText        = '#F5F7FA', // main foreground text
brightText      = '#FFFFFF', // pure white for emphasis

redAccent       = '#FF4C4C', // errors / critical
orangeAccent    = '#FF9D5C', // annotations / classes
yellowAccent    = '#FFD43B', // constants / tags
greenAccent     = '#6EEB83', // emphasis / italic / inserted
mintString      = '#4ADE80', // strings
cyanAccent      = '#2AD4D4', // functions / properties
tealAccent      = '#1FA2D6', // adjusted keyword color (no conflict with outside
blue)
violetAccent    = '#A86CFF', // operators / definitions
magentaAccent   = '#E44897'; // brighter magenta for numbers

const invalid   = redAccent,
      cursor     = accentText;

function viewThemeBuilder() {
  return {
    '&':{color:mainText,backgroundColor:background},
    '.cm-content':{caretColor:cursor},
    '.cm-cursor, .cm-dropCursor':{borderLeftColor:cursor},
    '&.cm-focused .cm-selectionBackground, .cm-selectionBackground, .cm-content
::selection':{backgroundColor:greenAccent},
    '.cm-panels':{backgroundColor:background,color:softText},
    '.cm-panels.cm-panels-top':{borderBottom:'2px solid black'},
    '.cm-panels.cm-panels-bottom':{borderTop:'2px solid black'},
    '.cm-searchMatch':{backgroundColor:'#72a1ff59',outline:'1px solid #457dff'},
    '.cm-searchMatch.cm-searchMatch-selected':{backgroundColor:'#6199ff2f'},
    '.cm-activeLine':{backgroundColor:highlightBg},
    '.cm-selectionMatch':{backgroundColor:'#aafe661a'},
    '&.cm-focused .cm-matchingBracket, &.cm-focused .cm-nonmatchingBracket':{outline:`1px
solid ${tealAccent}`},
    '.cm-gutters':{backgroundColor:background,color:accentText,border:'none'},
    '.cm-activeLineGutter':{backgroundColor:highlightBg},
    '.cm-foldPlaceholder':{backgroundColor:'transparent',border:'none',color:'#ddd'},
    '.cm-tooltip':{border:'none',backgroundColor:surface},
    '.cm-tooltip .cm-tooltip-
arrow:before':{borderTopColor:'transparent',borderBottomColor:'transparent'},
    '.cm-tooltip .cm-tooltip-

```

```

arrow:after':{borderTopColor:surface,borderBottomColor:surface},
  '.cm-tooltip-autocomplete':{
    '& > ul > li[aria-selected]':{backgroundColor:highlightBg,color:softText}
  }
};
}

function highlightStyleBuilder(t) {
  return [
    {tag:t.keyword,                color:tealAccent},      // keywords = teal
    {tag:[t.name,t.propertyName,t.macroName], color:cyanAccent},    // properties /
macros = cyan
    {tag:[t.variableName],        color:mainText},      // plain variables =
main text
    {tag:[t.function(t.variableName)], color:violetAccent}, // function names =
violet
    {tag:[t.labelName],           color:magentaAccent}, // labels = magenta
    {tag:[t.color,t.constant(t.name)], color:yellowAccent}, // constants =
yellow
    {tag:[t.definition(t.name),t.separator], color:orangeAccent}, // definitions &
separators = orange
    {tag:[t.brace],               color:cyanAccent},    // braces = cyan
    {tag:[t.annotation],          color:orangeAccent},  // annotations =
orange
    {tag:[t.number,t.changed,t.modifier,t.namespace], color:magentaAccent}, // numbers =
magenta (rule)
    {tag:[t.typeName,t.className], color:orangeAccent},    // classes / types =
orange
    {tag:[t.operator,t.operatorKeyword], color:violetAccent}, // operators =
violet
    {tag:[t.tagName],             color:yellowAccent}, // HTML/XML tags =
yellow
    {tag:[t.squareBracket],       color:redAccent},    // square brackets =
red
    {tag:[t.angleBracket],        color:softText},     // angle brackets =
muted
    {tag:[t.attributeName],        color:cyanAccent},   // attribute names =
cyan
    {tag:[t.regexp],               color:redAccent},    // regex = red
    {tag:[t.quote],               color:greenAccent},  // quotes = green
    {tag:[t.string],              color:mintString},   // strings = mint-

```

```

green
  {tag:t.link,
color:cyanAccent,textDecoration:'underline',textUnderlinePosition:'under'},
  {tag:[t.url,t.escape,t.special(t.string)], color:yellowAccent},
  {tag:[t.meta], color:redAccent},
  {tag:[t.comment], color:mutedText,fontStyle:'italic'},
  {tag:t.strong, fontWeight:'bold',color:brightText},
  {tag:t.emphasis, fontStyle:'italic',color:greenAccent},
  {tag:t.strikethrough, textDecoration:'line-through'},
  {tag:t.heading, fontWeight:'bold',color:yellowAccent},
  {tag:t.heading1, fontWeight:'bold',color:brightText},
  {tag:[t.heading2,t.heading3,t.heading4], fontWeight:'bold',color:tealAccent},
  {tag:[t.heading5,t.heading6], color:violetAccent},
  {tag:[t.atom,t.bool,t.special(t.variableName)], color:magentaAccent}, // atoms = magenta
  {tag:[t.processingInstruction,t.inserted,t.contentSeparator], color:greenAccent},
  {tag:[t.contentSeparator], color:yellowAccent},
  {tag:t.invalid, color:softText,borderBottom:`1px dotted
${redAccent}`}
  ];
}

window.addEventListener('library-cm6::configure-theme', event => {
  const detail = event.detail;
  detail.registerViewTheme(viewThemeBuilder);
  detail.registerHighlightStyle(highlightStyleBuilder);
});
</script>

```