

## BOURBON, NEAT, BITTERS CHEAT SHEET

presented by TOWER &gt; Version control with Git - made easy



## GRID AND LAYOUT BASICS

## GRID CONFIGURATION

Configure your grid in `base/_grid-settings.scss`

```
$column: 40px;
$gutter: 44px;
$grid-columns: 12;
$max-width: em(960);
```

## STYLE YOUR OUTER CONTAINER(S)

outer-container marks the items that contain our columns. These items shall be constrained to the grid's max-width (amongst other things that outer-container provides).

```
.element {
  @include outer-container();
}
```

## MARK ROWS IN YOUR GRID

row makes sure that floats are cleared and a clean "block" display is applied.

```
.element { @include row(); }
```

## ITEM WIDTH AND POSITION

```
.element {
  @include span-columns(8);
  @include shift(2);
}
```

Nested items:

```
@include shift-in-context(1 of 12);
@include span-columns(10 of 12);
```

## HELPFUL MIXINS AND FUNCTIONS

## BACKGROUNDS &amp; GRADIENTS

```
@include background(linear-gradient(red, green) left repeat, radial-gradient(red, orange) left repeat);
```

```
@include background-image(url("/images/a.png"), linear-gradient(white 0, yellow 50%, transparent 50%));
```

```
@include linear-gradient(to top, #8fdce5, #3dc3d1);
```

## MEDIA QUERIES

```
@include media($breakpoint) {...}
```

## ANIMATIONS &amp; TRANSITIONS

```
@include animation(scale 1.0s ease-in, slide 2.0s ease);
```

```
@include transition(opacity 1.0s ease-in 0s, width 2.0s ease-in 2s);
```

## RETINA IMAGES

```
@include retina-image("../img/logo", 100px 200px);
```

## CLEAR FLOATS

```
@include clearfix;
```

## BITTERS STRUCTURE

## \_VARIABLES.SCSS

## font settings

*sizes, weights, line heights*

## borders

*margins and other spacings*

## \_GRID-SETTINGS.SCSS

## grid configuration

*column & gutter sizes, max-width...*

## breakpoints

*for media queries*

## \_TYPOGRAPHY.SCSS

`h1 - h6` `a` `p` `img` `blockquote`

## \_LISTS.SCSS

`ul` `ol` `dl` `li`

## \_BUTTONS.SCSS

`button` `input`

## \_FORMS.SCSS

`input` `label` `select` `textarea` `fieldset`

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## PROJECT SETUP

### INSTALLING THE RUBY GEMS

Ruby is required to install the components. Execute this in your Command Line application:

```
$ sudo gem install bourbon  
neat bitters
```

### PROJECT SETUP

- 1 In your Command Line app, change into your project's "scss" folder:

```
$ cd my-project/scss
```

- 2 Add Bitters to the project:

```
$ bitters install
```

- 3 Create a "lib" folder inside of "scss" and change into it:

```
$ mkdir lib $ cd lib
```

- 4 Install both Bourbon and Neat:

```
$ bourbon install $ neat install
```

## IMPORTING COMPONENTS

- 1 Create your main stylesheet (e.g. "styles.scss") in the "scss" folder and import the components there:

```
@import "lib/bourbon/bourbon";  
@import "base/grid-settings";  
@import "lib/neat/neat";  
@import "base/base";
```

- 2 In "base/\_grid-settings.scss", make sure to have a correct import path:

```
@import "../lib/neat/neat-helpers";
```

- 3 If you want to use "normalize.css", add this as your first line in "styles.scss":

```
@import "lib/normalize-css/  
normalize";
```

- 4 Don't forget to start your SASS

## HELP AND DOCUMENTATION

### OFFICIAL PROJECT WEBSITES

[bourbon.io](http://bourbon.io)

[neat.bourbon.io](http://neat.bourbon.io)

[bitters.bourbon.io](http://bitters.bourbon.io)

### GETTING STARTED TUTORIAL:

[git-tower.com/learn/bourbon-neat-bitters](http://git-tower.com/learn/bourbon-neat-bitters)



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