BOURBON, NEAT, BITTERS CHEAT SHEET

presented by **TOWER** › 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 & 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 & 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 compiler!

HELP AND DOCUMENTATION

OFFICIAL PROJECT WEBSITES

bourbon.io
neat.bourbon.io
bitters.bourbon.io

GETTING STARTED TUTORIAL:

git-tower.com/learn/bourbon-neat-bitters

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