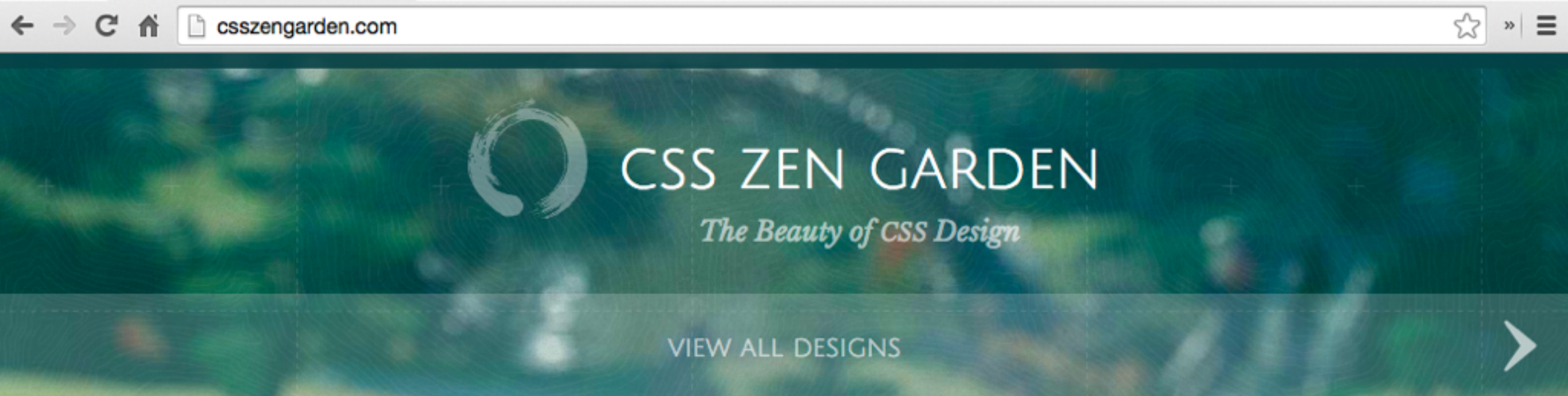


Breaking Free from Bootstrap

Custom Responsive Grids
with Sass Susy

Why Not Bootstrap?

- **Separation of powers**



A demonstration of what can be accomplished through CSS-based design. Select any style sheet from the list to load it into this page.

Download the example  HTML FILE and  CSS FILE

THE ROAD TO ENLIGHTENMENT

Littering a dark and dreary road lay the past relics of browser-specific tags, incompatible DOMs, broken CSS support, and abandoned browsers.

We must clear the mind of the past. Web enlightenment has been achieved thanks to the tireless efforts of folk like the W3C, WASP, and the major browser creators.

The CSS Zen Garden invites you to relax and meditate on the important lessons of the masters. Begin to see with clarity. Learn to use the time-honored techniques in new and invigorating fashion. Become one with the web.

SO WHAT IS THIS ABOUT?

There is a continuing need to show the power of CSS. The Zen Garden aims to excite, inspire, and encourage participation. To begin, view some of the existing designs in the list. Clicking on any one will load the style sheet into this very page. The HTML remains the same, the only thing that has changed is the external CSS file. Yes, really.

no. 218

5.23 fl oz

~ DR. SHEA'S MIRACULOUS ~

CSS Zen Garden



The Beauty of CSS Design



A demonstration of what can be accomplished through CSS-based design. Select any style sheet from the list to load it into this page.

Download the example [html file](#) and [css file](#)



C Z E

MADE LOCALLY

CSS ZEN GARMENTS

IMPECCABLE
QUALITY

A DEMONSTRATION OF WHAT CAN BE ACCOMPLISHED
THROUGH `css`-BASED DESIGN. SELECT ANY STYLE SHEET
FROM THE LIST TO LOAD IT INTO THIS PAGE.



A FASHION-
FORWARD FUTURE

CSS Zen Garden

The Beauty of CSS Design



A demonstration of what can be accomplished through CSS-based design. Select any style sheet from the list to load it into this page. Download the example [html file](#) and [css file](#)

The Road to Enlightenment

Littering a dark and dreary road lay the past relics of browser

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Why Not Bootstrap?

- **Separation of powers**
- **Maintainability**
- **Performance**

A Better Way

- **Separate style from markup**
- **Simple modular maintenance**
- **Only write necessary CSS**

Sass Grid Systems

- Bourbon Neat
- Singularity
- Zen Grids
- Susy

Neat vs. Susy

Neat	Susy
Settings in variables	Settings in map
Global config	Scope-able config
LibSass / Ruby	Ruby only *
Mostly just columns	Full “grid” support
Includes MQ mixins	Integrates w/ Breakpoint

Basic Susy Usage

Settings Map

```
$susy: (  
  container: 50em,  
  columns: 16,  
  gutter: .25,  
  output: isolate  
);
```

Setting a Container

- ```
.container-element {
 @include container;
}
```
- Sets clear-fix
  - Sets max-width & centering margins



# Setting Columns

```
.primary {
 @include span(8);
}
```

```
.secondary {
 @include span(4 last);
}
```

# Mixin: `span()`

`[span] of [layout] at [location]`

`(col count) (total cols) (# / keyword)`

```
@include span(4 of 12 at 4);
```

```
@include span(4 of 8);
```

```
@include span(4 last);
```

# Advanced Susy Features



# Nested Grids

```
.primary {
 @include span(8);
 .block {
 @include with-layout(8) {
 @include span(4);
 }
 }
}
```

# Function: span()

```
.primary {
 @include span(8 of 12);
 padding: 2em span(1 of 8);
}
```

# Function: gutter()

```
.primary {
 @include span(12);
 padding: gutter() span(2);
}
```



# True “Grid” Layout

- ```
.grid-item {  
  @include gallery(3 of 12);  
}
```
- Creates a grid with `:nth-child` floats handled correctly
- No need for `.row`

Responsive Grids

```
.primary {  
  @include span(12);  
  @include susy-breakpoint(480px,  
    $susy) {  
    @include span(6);  
  }  
}
```

Responsive Grids

```
.primary {  
  @include span(12); // default 12  
  @media (min-width: 480px) {  
    @include with-layout(16) {  
      @include span(8);  
    }  
  }  
}
```

Asymmetric Grids

```
$susy: (  
  columns: 2 5 1 4  
);
```

- A list of values generates columns at those proportions

Asymmetric Responsive Golden Ratio Grid



Resources

Susy: susy.oddbird.net

Zell Liew: zell-weekeat.com

Learning Susy Book: bit.ly/zellsusy

Breakpoint: breakpoint-sass.com

My Article: sitepoint.com/sass-grids-neat-susy

Grids: bit.ly/susygrid | bit.ly/bonusgrid

Sassmeister: sassmeister.com

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