

# Dr. Anderson's Useful Code Snippets - Basics

## 1. GOES IN ALL PAGES

```
<!DOCTYPE html>
<html lang="en-US">
<head><title>Title here</title>
<meta name="viewport" content="width=device-width,
initial-scale=1.0"> /* Keeps page from scaling */
</head>
<body>
</body>
</html>
```

## 2. EXTERNAL STYLE SHEET LINK

```
<link rel="stylesheet" href="styles.css">
```

## 3. BOX SIZING FIX (Should be in an external style sheet)

```
html {
  -webkit-box-sizing:border-box;
  -moz-box-sizing:border-box;
  box-sizing:border-box;
}
*, *:before, *:after {
  -webkit-box-sizing:inherit;
  -moz-box-sizing:inherit;
  box-sizing:inherit;
}
```

## 4. HTML5 ELEMENTS

<article>	<footer>	<nav>
<aside>	<header>	<section>
<details>	<main>	<summary>
<figcaption>	<mark>	<time>
<figure>		

## 5. SELECTORS

*	all elements ("Universal Selector")	
div	all div tags	
div,p	all divs and paragraphs	
div p	all p descendants of divs	
div > p	all p children of div parents	
.classname	class	
#idname	id (to be used only once on a page)	

## 6. GOOGLE FONTS

```
<link href="https://fonts.googleapis.com/css?family=Lato"
rel="stylesheet">
body {
  font-family:'Lato', sans-serif;
}
```

## 7. CSS IMPORTANT

```
H1 { color:red !important; } /* Use sparingly */
```

## 8. CSS OPACITY (Use either below)

```
.classname {
  opacity: 0.3; /* Changes opacity for entire element */
  background: rgba(76, 175, 80, 0.3); /* Changes opacity for
background color, but not the text */
}
```

## 9. LIST NAVIGATION

```
nav {
  text-align:center;
}
nav ul {
  list-style-type:none;
}
nav ul li {
  display:inline-block;
  padding:0 30px; /* Adjust for space between items */
}
```

## 10. CONTAINER: FLOAT

```
#container {
  position:relative;
  margin:0 auto;
  width:1200px;
}
```

## 11. COLORED CONTAINER BACKGROUND

```
.container {
  background-color:#cc8;
  overflow:auto;
}
```

(Remove any background colors from the other elements).

## 12. FIGURE/FIGCAPTION (For photos with captions)

```
figure {
  float:left;
  display:table;
  width:150px; /*Actual width of the image */
  margin:0; /* Add more as needed */
  padding:0;
}
```

```
<figure>
  
  <figcaption>This is a caption.</figcaption>
</figure>
```

## Putting Captions on Top of the Images

```
<figure>
  <figcaption>This is a caption.</figcaption>
  
</figure>
```

## Horizontal Centering of One or Multiple Figures

```
.class-name {
  display:flex;
  justify-content:center;
}
<span class="class-name">Figures go here</span>
```

## 13. CSS SHORTHAND

```
None
background-color:#ddd;
background-image:url(image.jpg);
background-repeat:no-repeat;
background-position:top left;
```

## With Shorthand

```
background:#ddd url(image.jpg) no-repeat top left;
```

## 14. HTML5 VIDEO

```
http://drsteveanderson.com/video.html
```

```
<video width="640" height="360" controls muted>
<source src="urbino.mp4" type="video/mp4">
</video>
```

(Other Parameters: autoplay, loop, poster, preload)

## 15. HTML5 AUDIO

```
<audio controls>
<source src="horse.mp3" type="audio/mpeg">
</audio>
```

## 16. CONTAINER: CSS GRIDS

```
.container {
  display:grid;
  margin:0 auto;
  max-width:1200px;
  grid-template-columns:?fr ?fr ?fr; /* Three columns */
  grid-auto-rows:minmax(?px, auto);
}
```

## 17. RESPONSIVE IMAGES

```
img {
  max-width:100%;
  height:auto;
}
```

## 18. CENTERING

### Text: Horizontal Alignment

```
.class-name {
  text-align:center;
}
```

(Works with an image too if the IMG is wrapped in a <p>.)  
Apply class to the <p>.

### Flex: Center all Items in a Flex Container

#### - Horizontal and Vertical

```
.class-flex-container {
  display: flex;
  justify-content:center; /* Horizontal centering */
  align-items:center; /* Vertical centering */
  height:100%; /*Needed for vertical centering */
}
```

**justify-content properties:** flex-start | flex-end | center | space-between | space-around | initial | inherit  
**align-items properties:** stretch | center | flex-start | flex-end | baseline | initial | inherit

```
<span class="class-flex-container">Content goes
here.</span>
```

### CSS Grid: Center all Items in a Grid Container

#### - Horizontal and Vertical

```
.container {
  justify-items:center; /* Horizontal centering */
  align-items:center; /*Vertical centering */
}
(Values: center, start, end, stretch)
```

### CSS Grid: Center Individual Grid Items

#### - Horizontal

```
.class-name {
  justify-self:center; /* Horizontal centering */
  align-self:center; /* Vertical centering */
}
(Values: center, start, end, stretch)
```

## 19. FLOATING IMAGES/TEXT

```
.class-name {
  float:left;
  padding-right:?px;
  padding-bottom:?px;
}
```

```

<p>Text to float.</p>
```

## 20. CLEARING FLOATS

```
.clear-float {
  clear:both;
}
```

(Apply this class to the next element you don't want to float)

## 21. CLEARFIX

### The Problem

Uh oh... this image is taller than the element containing it, and it's floated, so it's overflowing outside of its container!  
Next content goes here. Next content goes here. Next content goes here. Next content goes here. Next content goes here.



### The Fix

```
.clearfix::after {
  content:"";
  clear:both;
  display:table;
}
```

```
<div id="box1" class="clearfix">
```

```

```

This image is taller than the element containing it, and it's floated, so it's overflowing outside of its container!

```
</div>
```

```
<div id="box2">Next content goes here. Next content goes here. Next content goes here.
```

```
</div>
```

## 22. MEDIA QUERIES

- Write CSS for mobile first, then establish "breakpoints."

```
@media only screen and (min-width:620px) {
  /* CSS for this breakpoint below: */
}
```

```
@media only screen and (min-width:900px) {
  /* CSS for this breakpoint below: */
}
```

## 23. CSS GRID: BACKGROUND IMAGES FILL BOXES

```
http://drsteveanderson.com/grid-images.html
```

```
.class-name {
  display:grid;
  justify-items:center;
  align-items:center;
  background-image:url(background.jpg);
  background-size:cover;
  background-position:top left; /*center, bottom, right */
  border:1px solid black;
}
<div class="class-name">This text overlays the image.
</div>
```

