

# Post-Modern CSS

*IN-DEPTH ON GRID LAYOUT, FLEXBOX & OTHER NEW PROPERTIES*





# Wait. Post-Modern?

*LIKE... ANDY WARHOL?*





Wait. Post-Modern?

*LIKE... ANDY WARHOL? SORTA.*



“Simplifying to the extreme, I define postmodern as an incredulity toward **metanarratives.**”

– *Jean-François Lyotard*



“Postmodernism was a reaction to modernism. Where modernism was about **objectivity**, postmodernism was about **subjectivity**. Where modernism sought a **singular truth**, postmodernism sought the **multiplicity of truths.**”

– Miguel Syjuco



# Why Post-Modern?

*A VERY BRIEF HISTORY OF THE ERAS OF THE WEB AND CSS*



CHESS  
POKER  
FIGHTER COMBAT  
GUERRILLA ENGAGEMENT  
DESERT WARFARE  
AIR-TO-GROUND ACTIONS  
THEATERWIDE TACTICAL WARFARE  
THEATERWIDE BIOTOXIC AND CHEMICAL WARFARE  
  
GLOBAL THERMONUCLEAR WAR



# Pre-History

*POINT-TO-POINT CONNECTIONS; BULLETIN BOARDS; RESEARCHERS*





# The Classical Era

*HTTP; HTML; THE BROWSER; SIR TIM BERNERS-LEE*





# The Middle Ages

*OR THE RISE AND FALL OF CSS*





# The Modern Era

*HTML5; CSS3; ADVANCED JS; FRAMEWORKS*





# Postmodernity

*ADVANCED LAYOUT; RE-EMERGENCE OF UNIQUE DESIGN*



“Postmodernism was a reaction to modernism. Where modernism was about **objectivity**, postmodernism was about **subjectivity**. Where modernism sought a **singular truth**, postmodernism sought the **multiplicity of truths**.”

– Miguel Syjuco

# Our Objectivism



# HEY LOOK, IT'S EVERY BOOTSTRAP WEBSITE EVER

Take a look around at the same bootstrap page you've seen ten million times before!  
Featuring all the same things as those pages!

THIS BUTTON MAKES THE PAGE SCROLL

“Simplifying to the extreme, I define postmodern as an incredulity toward **metanarratives**.”

– *Jean-François Lyotard*



# Our Metanarrative

“CSS Sucks”

*-EVERY DEVELOPER EVER*





# The Rise and Fall of CSS

*THE BATTLE OVER STYLE SHEETS AND IMPLEMENTATION*

# CSS Starts Strong

**1994:** CSS1 Spec starts

**1996:** CSS1 Spec complete (IE3 kinda adopts)

**2000:** IE5 reaches 99% CSS1 adoption

The screenshot shows the Angelfire website homepage. At the top, there is a navigation bar with links to various services: Lycos.com, Tripod.com, WhoWhere.com, MailCity.com, Hotwired.com, HotBot.com, and All Sites... The Angelfire logo is prominently displayed in the center, with the tagline 'FREE PAGES' below it. The main content area is divided into several sections. On the left, there is a box with the text 'Get the FASTEST page creation and hosting service on the planet! Without all the blather!' and a link to 'Without all the blather!'. In the center, there is a box with the text 'Thousands of coveted URLs Now Available!'. On the right, there is a box with a list of links: 'Site Map and Info', 'Free Angelfire Email', 'Search/Browse Angelfire', and 'Message Boards'. Below these boxes, there is a slogan: 'You make the pages... We make it easy.' and two buttons: 'Register' and 'Login'. At the bottom, there is a large box with a 'sell books,' button on the left, a list of links in the center, and the text 'The official site for Super Bowl XXXIII' on the right. The list of links includes: 'Find A Job Find the coolest jobs on the Web.', 'Post Your Resume Let employers find you!', 'Mortgage Finder Refinance and save!', 'Find an Apartment Get access to over 5 million of them.', 'Personals Expand your circle of friends.', 'Send Greeting Cards', and 'Auction Classified'.

Lycos.com | Tripod.com | WhoWhere.com | MailCity.com | Hotwired.com | HotBot.com | All Sites...

## ANGELFIRE

FREE PAGES

Get the *FASTEST* page creation and hosting service on the planet! [Without all the blather!](#)

Thousands of coveted URLs *Now Available!*

- [Site Map and Info](#)
- [Free Angelfire Email](#)
- [Search/Browse Angelfire](#)
- [Message Boards](#)

You make the pages... We make it easy.

[Register](#) [Login](#)

[sell books,](#)

- [Find A Job](#) Find the coolest jobs on the Web.
- [Post Your Resume](#) Let employers find you!
- [Mortgage Finder](#) Refinance and save!
- [Find an Apartment](#) Get access to over 5 million of them.
- [Personals](#) Expand your circle of friends.
- [Send Greeting Cards](#)
- [Auction Classified](#)

The official site for Super Bowl XXXIII



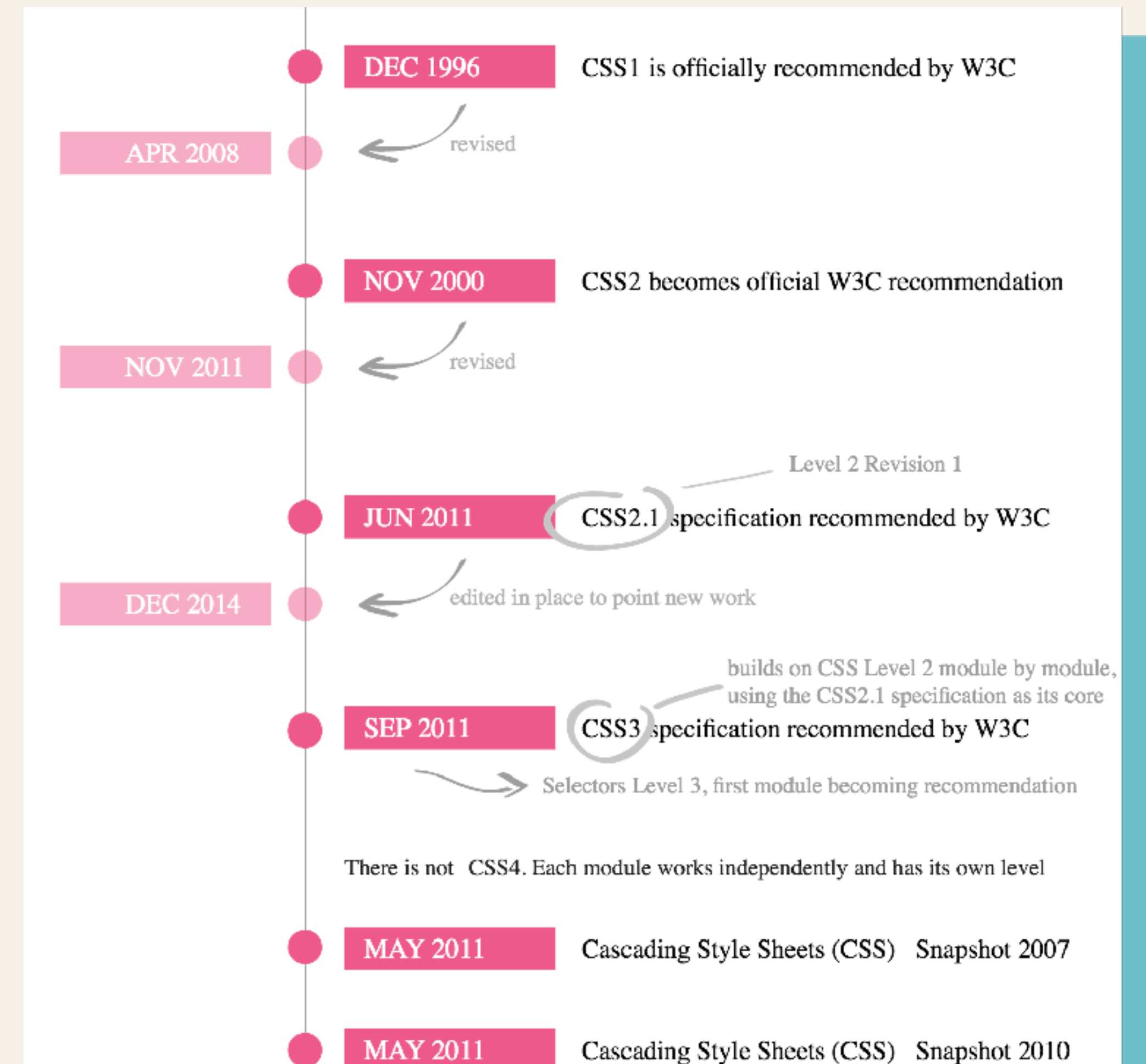
# The middle part, not so much

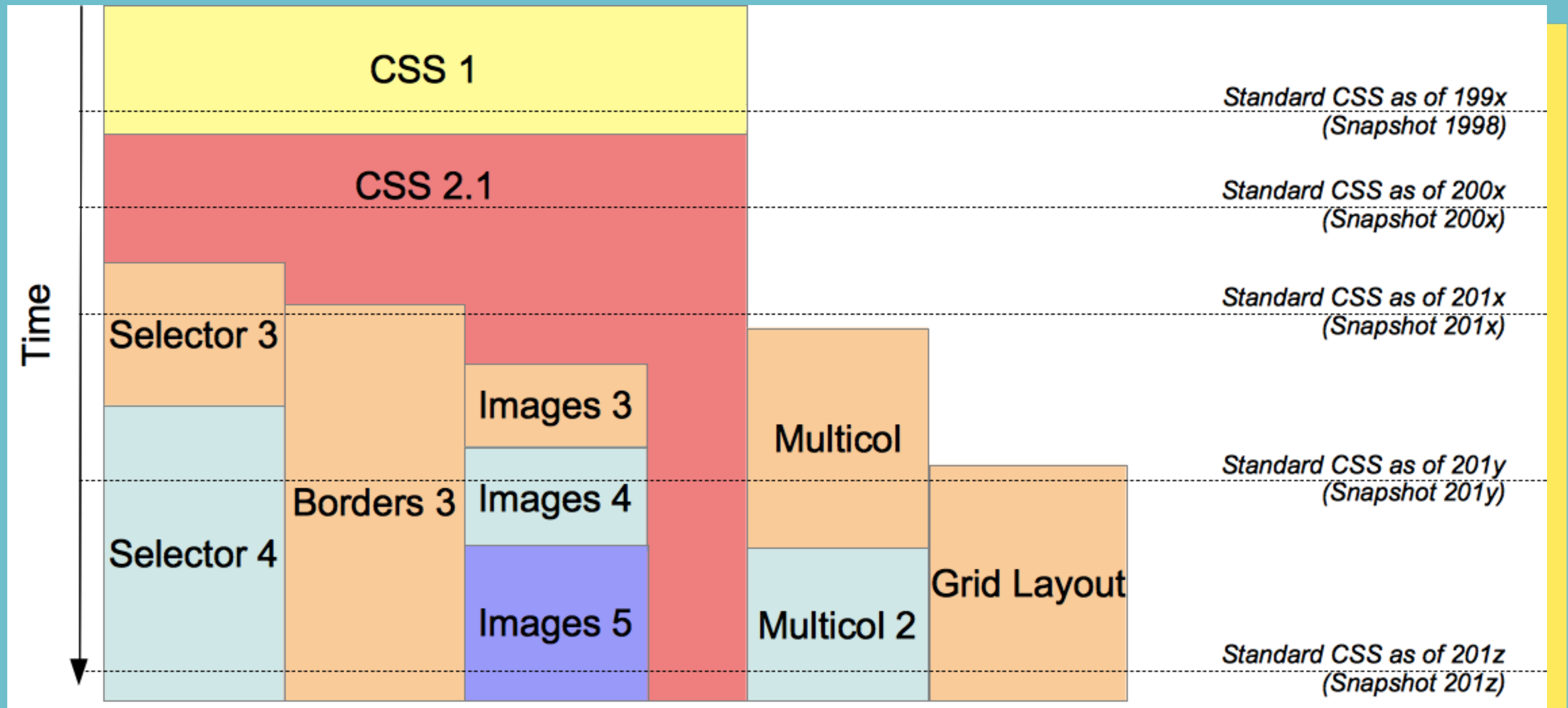
**1998:** CSS2 Spec first WD

**2000:** CSS2 Becomes Recommendation

**2000-07:** CSS2/2.1 turmoil and back and forth

**2011:** CSS2.1 Finally finished and published





# Why CSS3 is better

*THE SECRET SAUCE IS MODULES*



# Further Reading

- *The CSS Saga*
- *The Evolution of CSS*

# The New Hotness

*TODAY'S GOAL: ADOPT ONE OF THESE PROPERTIES*



# CSS Gradients

*WHY USE IMAGES WHEN CSS CAN DO AMAZING THINGS?*

# Support *(Go For It!)*

## CSS Gradients - CR

Method of defining a linear or radial color gradient as a CSS image.

Usage	% of all users
Global	78.41% + 19.52% = 97.93%
unprefixed:	78.27% + 19.26% = 97.52%
No spam regex	78.11% + 12.68% = 90.78%
unprefixed:	78.02% + 12.63% = 90.65%

show more...

Current aligned
Usage relative
Date relative
Apply filters
Show all
?

IE	Edge *	Firefox	Chrome	Safari	iOS Safari *	Opera Mini *	Chrome for Android	UC Browser for Android	Samsung Internet
		74			<sup>2</sup> 12.4				
	18	75	80	<sup>2</sup> 13	<sup>2</sup> 13.3				
11	81	76	81	<sup>2</sup> 13.1	<sup>2</sup> 13.4	all	81	12.12	11.1
		77	83	<sup>2</sup> TP					
		78	84						
			85						



# CSS Gradients for fun and profit

```
body {  
    background-image: linear-  
gradient(#F46035, #7E311C);  
}
```

# CSS Gradients for fun and profit

```
body {  
    background-image: linear-  
gradient(45deg, #F46035, #7E311C);  
}
```



# CSS Gradients for fun and profit

```
body {  
    background-image: linear-  
gradient(to bottom, #F46035,  
#7E311C 50%, #F46035 70%);  
}
```

# CSS Gradients for fun and profit

```
body {  
    background-image: radial-  
gradient(#F46035, #7E311C);  
}
```



# CSS Gradients for fun and profit

```
body {  
    background-image: radial-  
gradient(circle at 10% 0,  
#F46035, #7E311C 50%);  
}
```

# CSS Gradients for fun and profit

```
body {  
    background-image: repeating-  
linear-gradient(to top right,  
    #F46035,  
    #F46035 20px,  
    #7E311C 20px,  
    #7E311C 40px);  
}
```



```
repeating-linear-gradient(  
  [direction], [first color] #F46035,  
  [first color again to fight fade] #F46035 20px,  
  [second color] #7E311C 20px,  
  [second color again to fight fade] #7E311C 40px  
);
```

# Flexbox

*TRULY RESPONSIVE UNI-DIRECTIONAL LAYOUT*



# Support (USE UNLESS <IE10 IS IMPORTANT)

## CSS Flexible Box Layout Module CR

Method of positioning elements in horizontal or vertical stacks. Support includes all properties prefixed with `flex`, as well as `display: flex`, `display: inline-flex`, `align-content`, `align-items`, `align-self`, `justify-content` and `order`.

Usage	% of all users	
Global	96.7%	+ 1.95% = 98.65%
unprefixed:	96.57%	+ 1.48% = 98.05%
No spam regex	90.4%	+ 0.31% = 90.7%
unprefixed:	90.38%	+ 0.25% = 90.64%

[show more...](#)

[Current aligned](#)
[Usage relative](#)
[Date relative](#)
[Apply filters](#)
[Show all](#)
[?](#)

IE	Edge *	Firefox	Chrome	Safari	iOS Safari *	Opera Mini *	Chrome for Android	UC Browser for Android	Samsung Internet
		74			12.4				
	18	75	80	13	13.3				
<sup>4</sup> 11	81	76	81	13.1	13.4	all	81	12.12	11.1
		77	83	TP					
		78	84						
			85						

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## *DEFAULT: BLOCK-LEVEL*

```
<div class="container">  
  <div class="box box1">1</div>  
  <div class="box box2">2</div>  
  <div class="box box3">3</div>  
  <div class="box box4">4</div>  
  <div class="box box5">5</div>  
  <div class="box box6">6</div>  
</div>
```

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## *DEFAULT: SIMPLE STYLING*

```
.container {  
  width: 510px;  
  margin: 0 auto;  
  background: lightblue;  
}  
  
.box {  
  background-color: tomato;  
  margin: 20px 0;  
  padding: 20px;  
  color: white;  
}
```



1

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```
.container {  
  width: 510px;  
  margin: 0 auto;  
  background: lightblue;  
}  
.box {  
  float: left;  
  background-color: tomato;  
  margin: 20px 0;  
  padding: 20px;  
  color: white;  
}
```

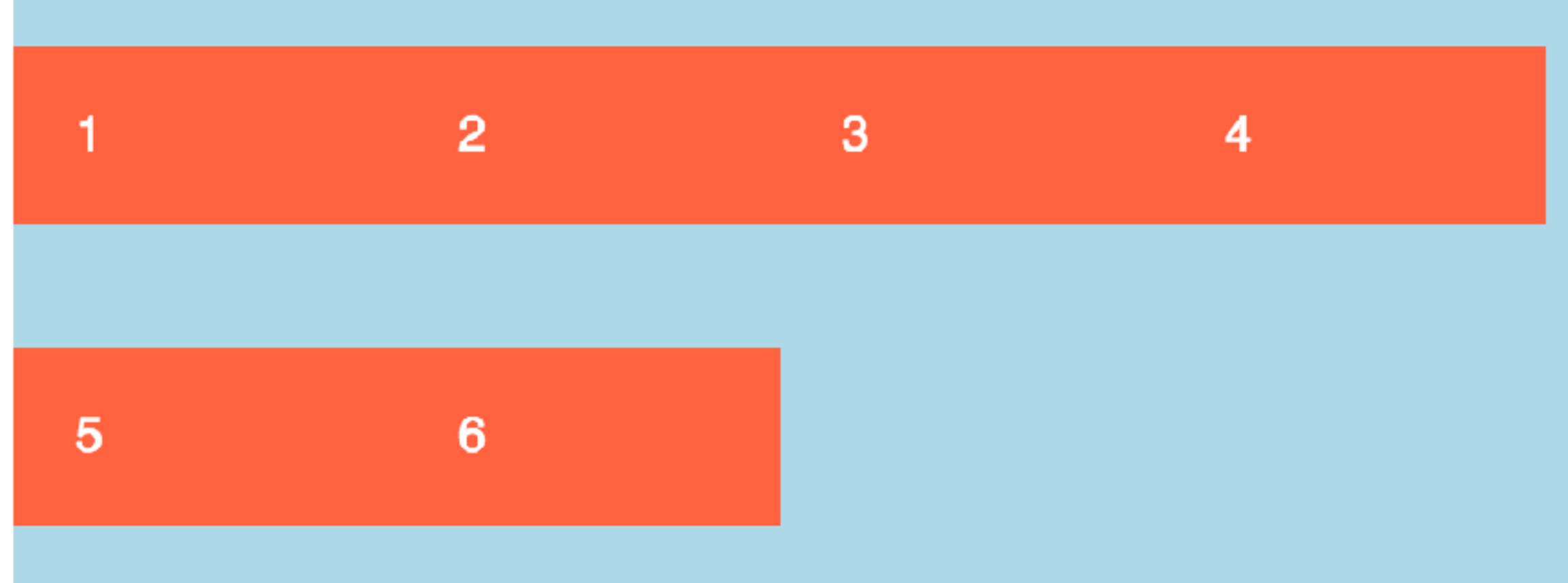
1 2 3 4 5 6

```
.container:after {  
  content: "";  
  display: block;  
  clear: both;  
}
```

# Box Size Math

$$\begin{aligned} & \text{(container size) } 510\text{px} / 6 \text{ (number of boxes)} \\ & = 85\text{px (box width)} \end{aligned}$$





```
.box {  
  float: left;  
  background-color: tomato;  
  margin: 20px 0;  
  padding: 20px;  
  color: white;  
  
  width: 85px;  
}
```

# Box Size Math (gosh darnit)

$$\begin{aligned} & ((\text{container size}) \text{ 510px} / 6 (\text{number of boxes})) - 40\text{px} (\text{padding}) \\ & = 45\text{px} (\text{box width}) \end{aligned}$$

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```
.box {  
    /* ... */  
    width: 45px;  
    /* or */  
    width: 85px;  
    box-sizing: border-box;  
}
```



This is why we use frameworks

This is why **Flex** was created

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## *BACK THE TO START*

```
<div class="container">  
  <div class="box box1">1</div>  
  <div class="box box2">2</div>  
  <div class="box box3">3</div>  
  <div class="box box4">4</div>  
  <div class="box box5">5</div>  
  <div class="box box6">6</div>  
</div>
```



1 2 3 4 5 6

```
.container {  
  display: flex;  
}
```

1

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```
.container {  
  display: flex;  
}  
.box {  
  flex: 1;  
}
```

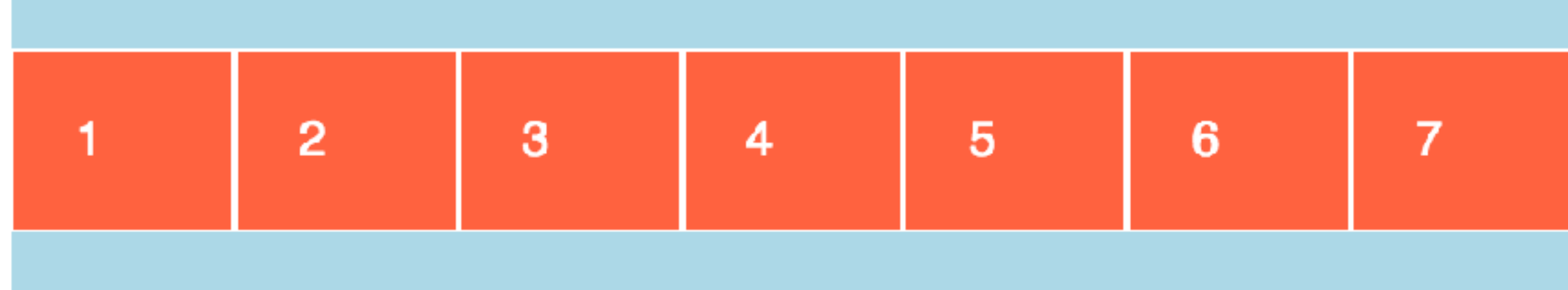
# Box Size Math (done)

...



```
<div class="container">  
  <div class="box box1">1</div>  
  <div class="box box2">2</div>  
  <div class="box box3">3</div>  
  <!-- <div class="box  
box4">4</div>  
  <div class="box box5">5</div>  
  <div class="box box6">6</div>  
-->  
</div>
```

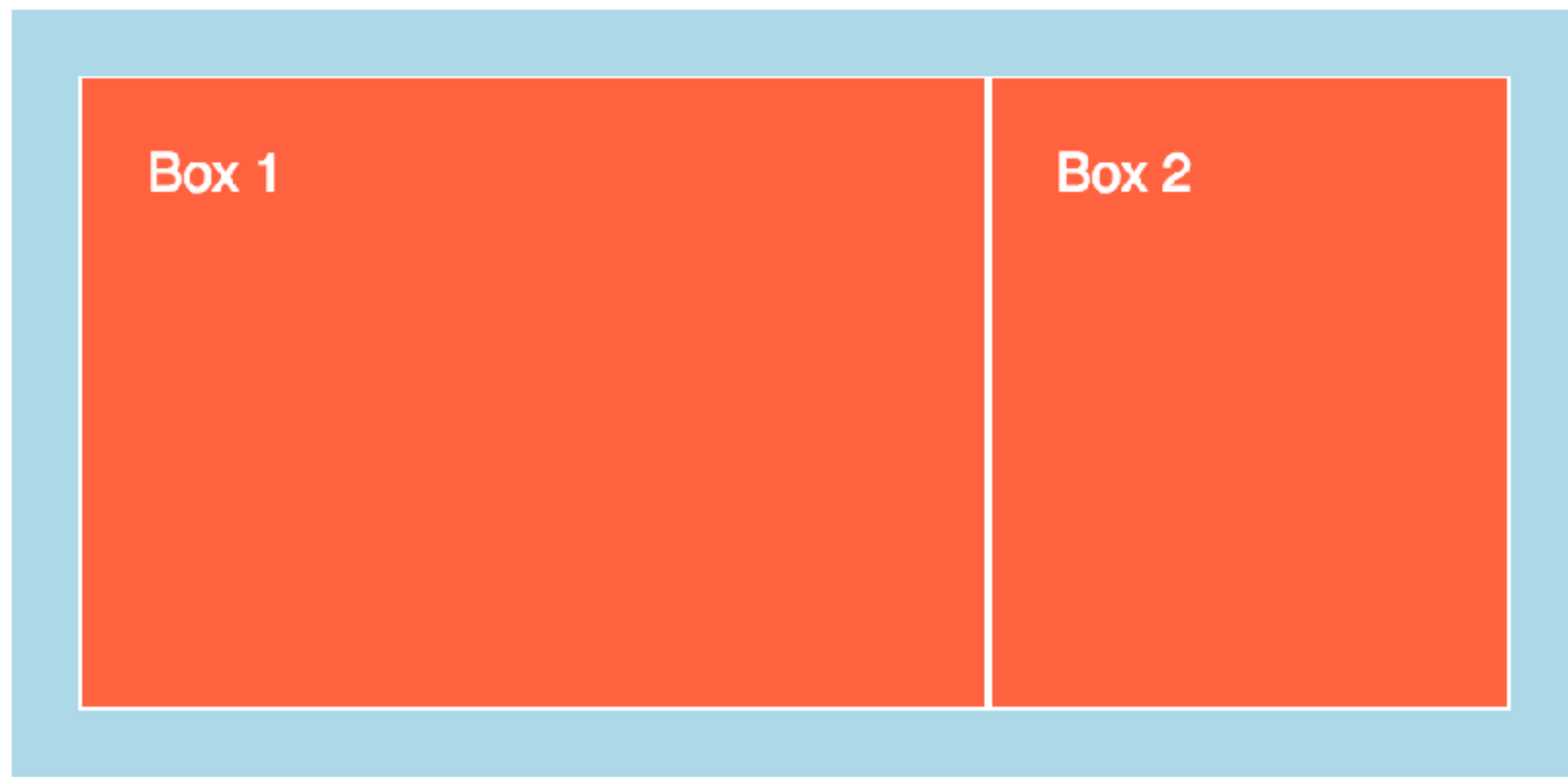




```
<div class="container">  
  <div class="box box1">1</div>  
  <div class="box box2">2</div>  
  <div class="box box3">3</div>  
  <div class="box box4">4</div>  
  <div class="box box5">5</div>  
  <div class="box box6">6</div>  
  <div class="box box7">7</div>  
</div>
```

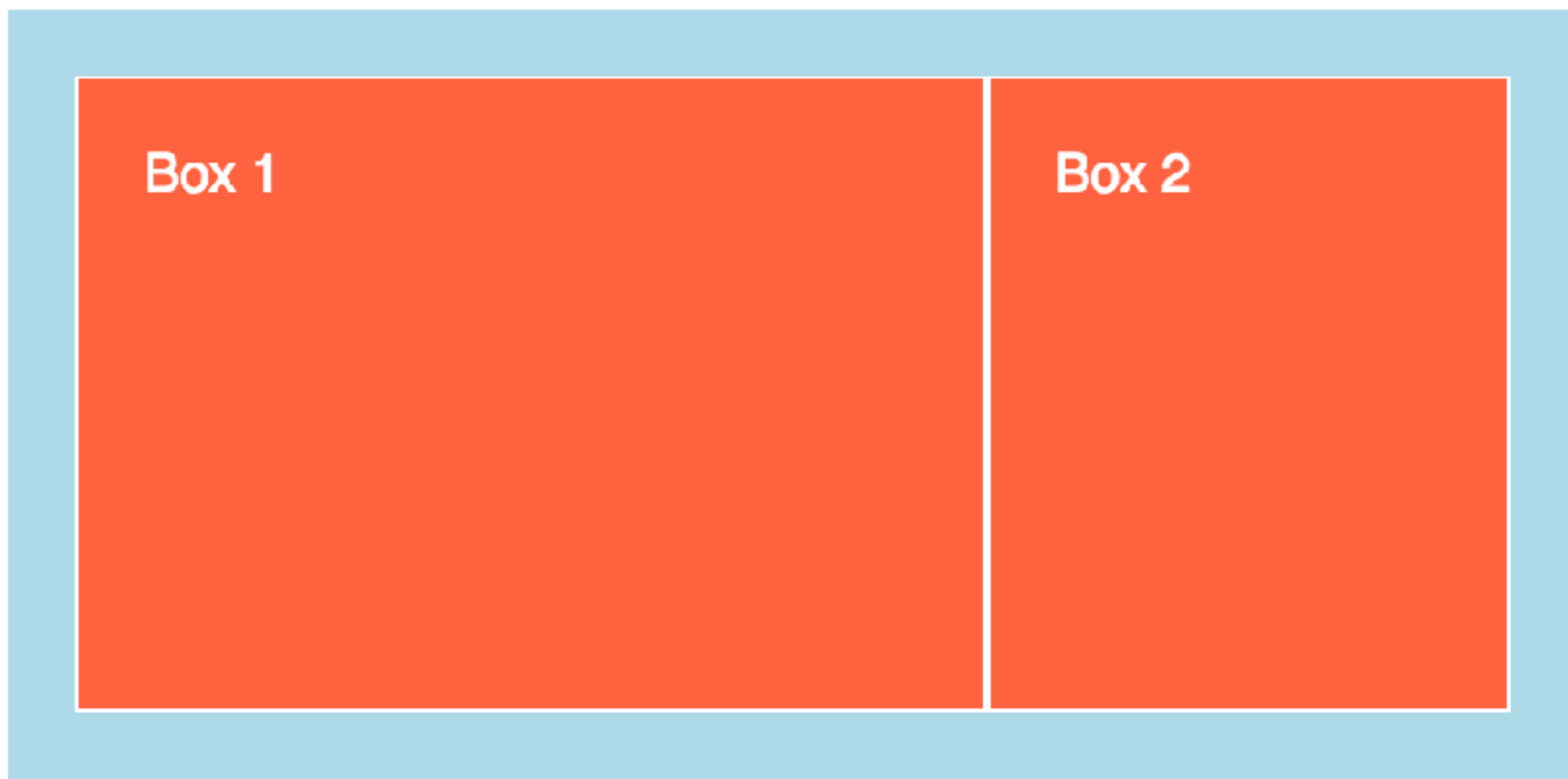
# Flex Layouts

**Flex-grow**



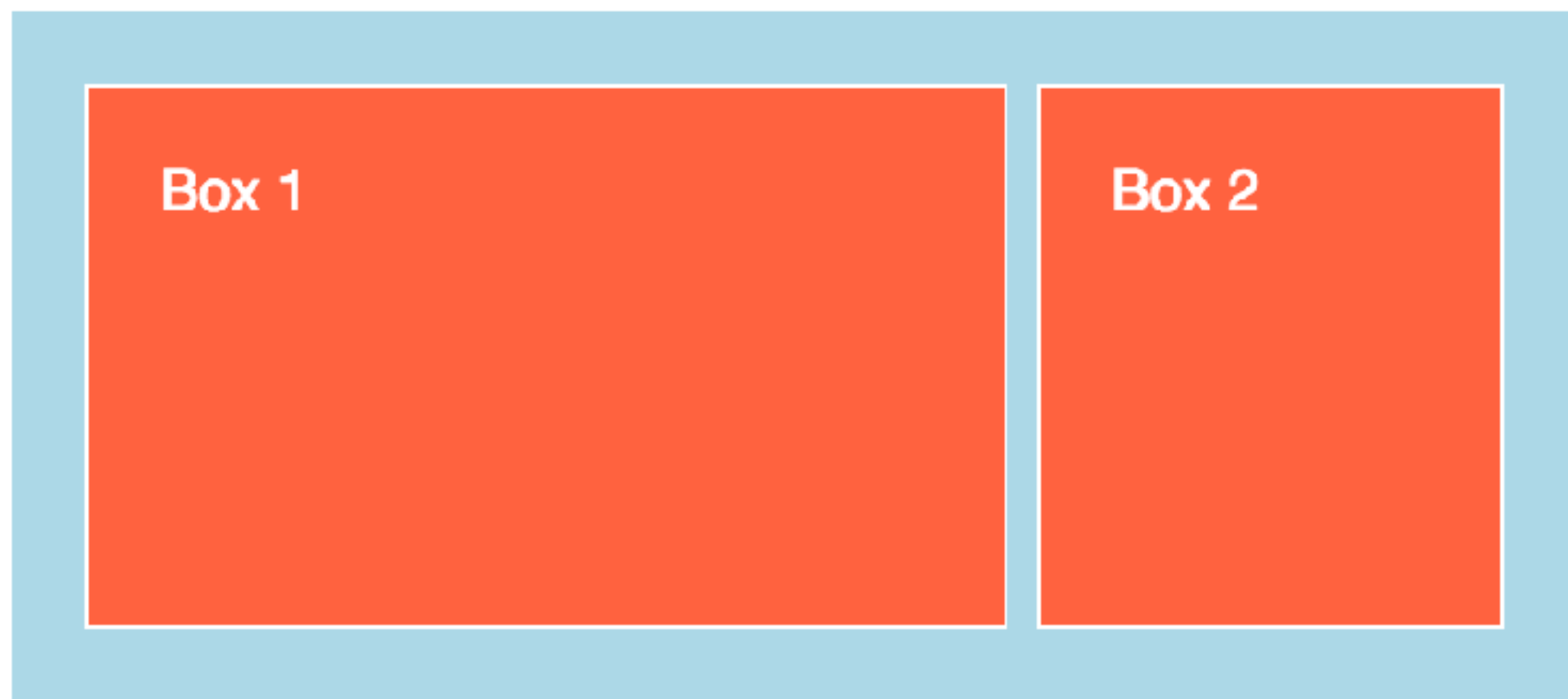
```
<div class="container">  
  <div class="box two-third">  
    Box 1  
  </div>  
  <div class="box one-third">  
    Box 2  
  </div>  
</div>
```





```
.container {  
  display: flex;  
}  
.two-third {  
  flex: 2;  
}  
.one-third {  
  flex: 1;  
}
```

**Width + Justify-Content**



```
.container {  
  width: 80%;  
  padding: 20px;  
  display: flex;  
  justify-content: space-between;  
}  
.two-third {  
  width: 65%;  
}  
.one-third {  
  width: 33%;  
}
```

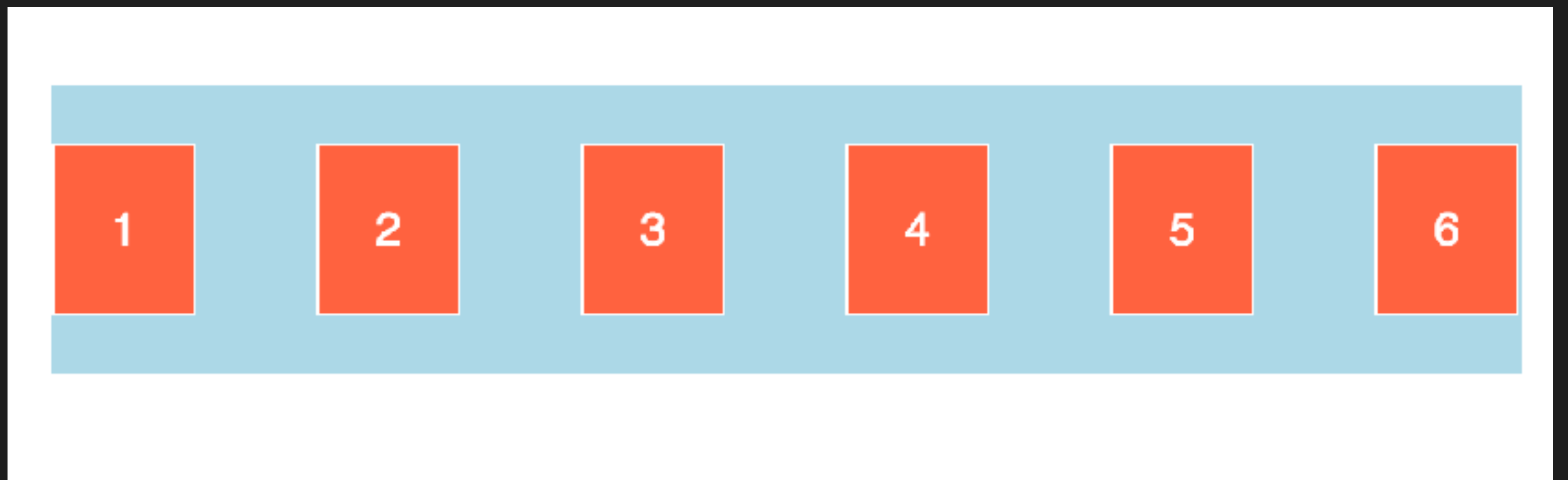
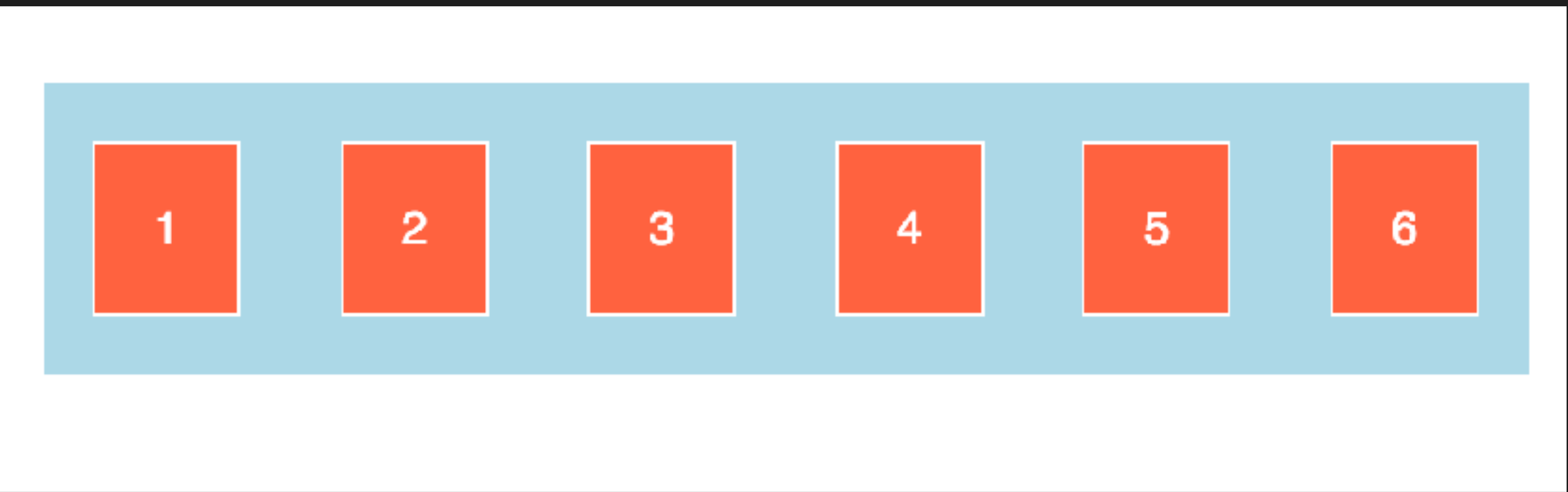
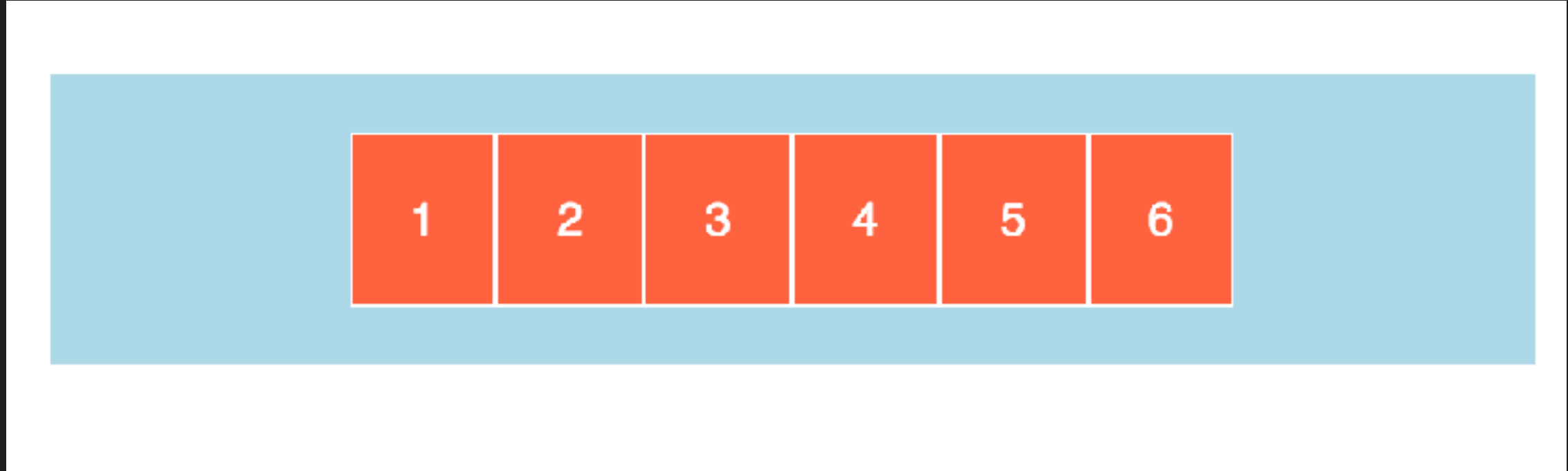
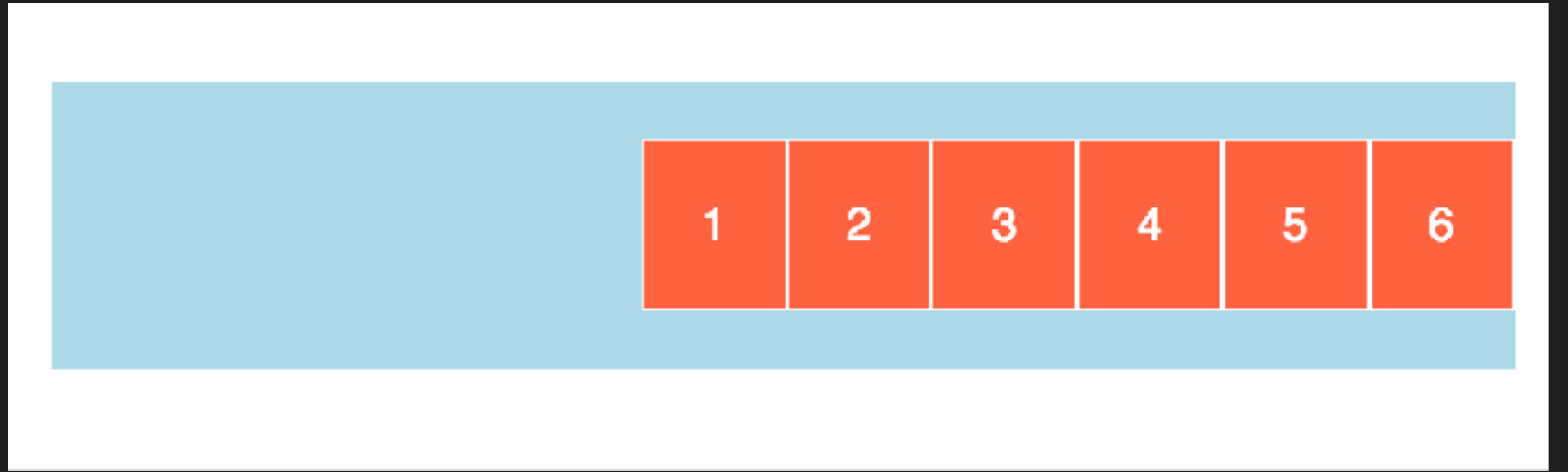
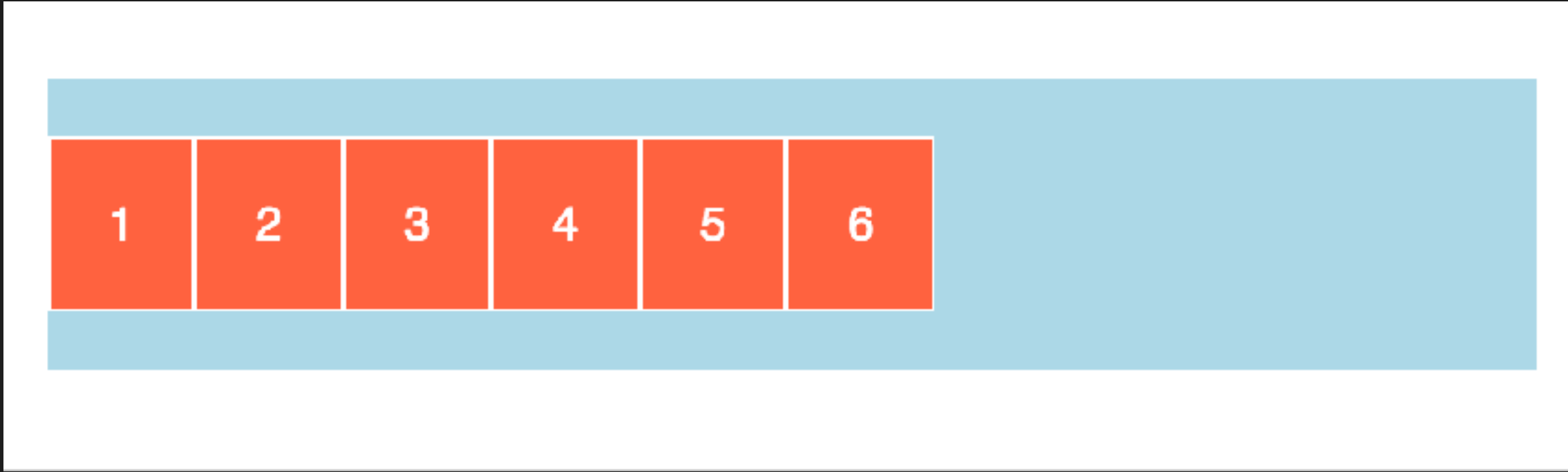


Box 1

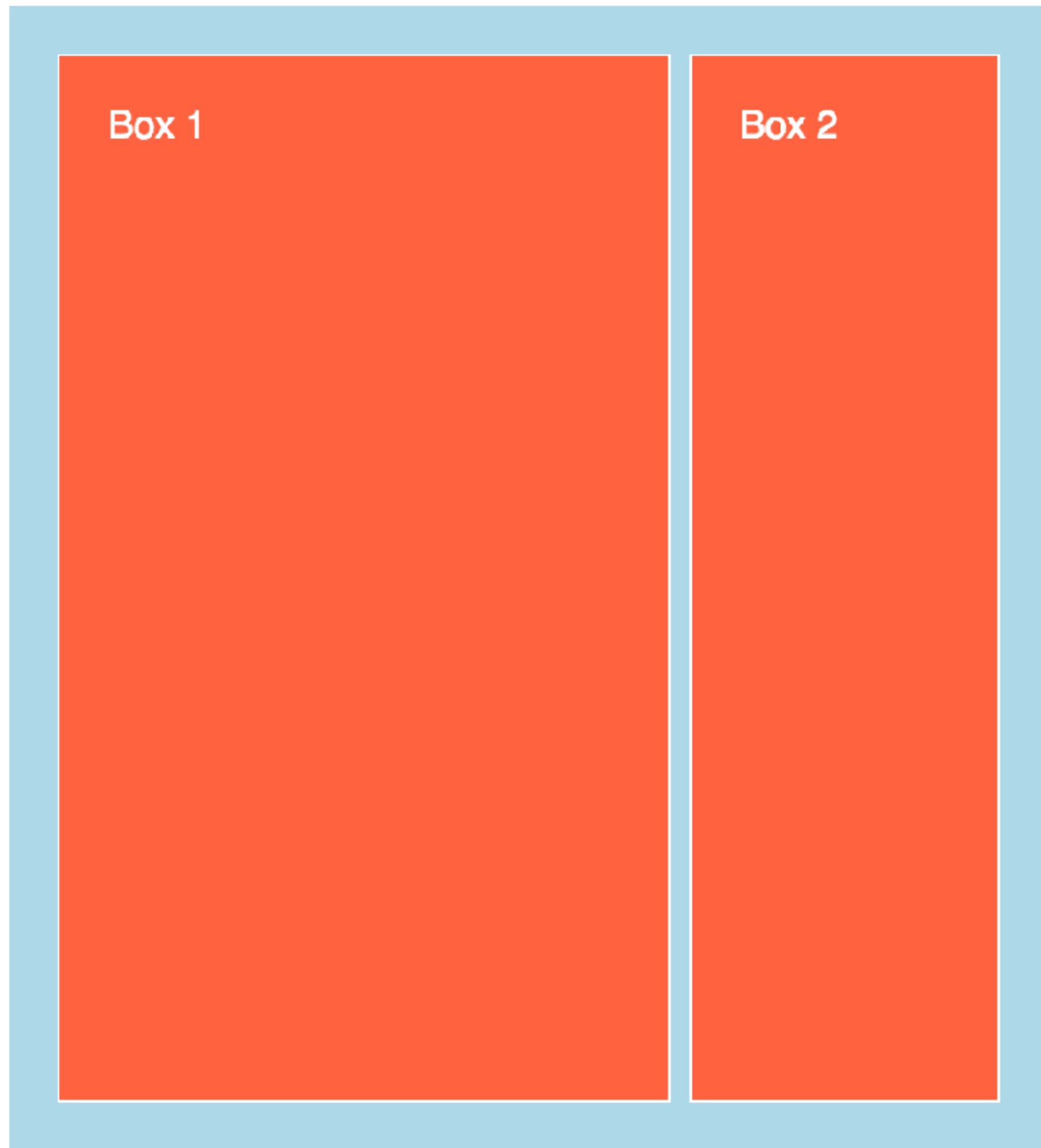
Box 2



```
.container {
  justify-content: space-between; // Extra whitespace between elements
  justify-content: space-around; // Extra whitespace split to either
                                // side of elements
  justify-content: space-evenly; // Extra whitespace split evenly
                                // around elements and row/column
  justify-content: center; // Content center with no whitespace
  justify-content: flex-start; // Extra whitespace at the end
                                // (default)
  justify-content: flex-end; // Extra whitespace at the start
}
```



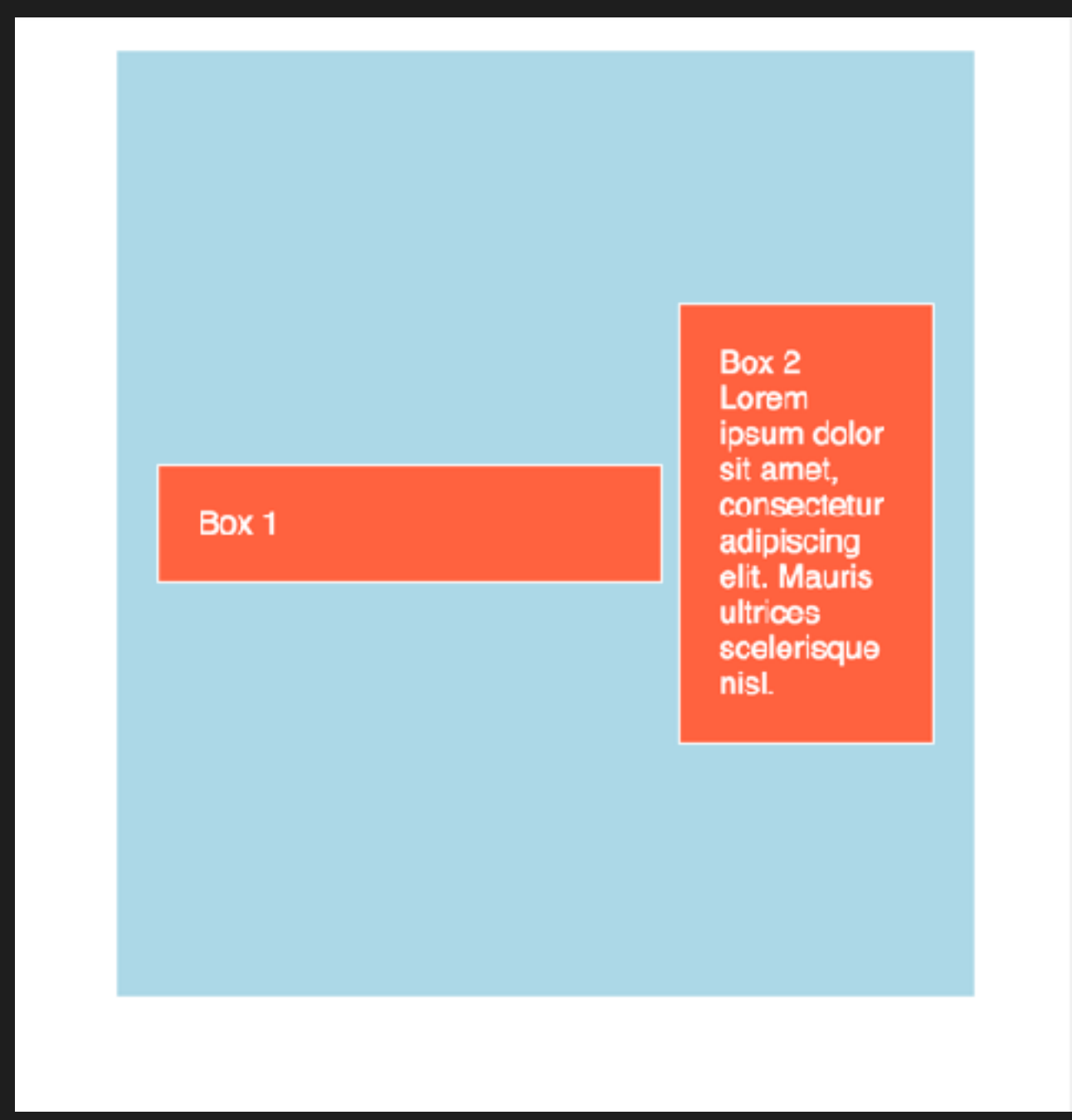
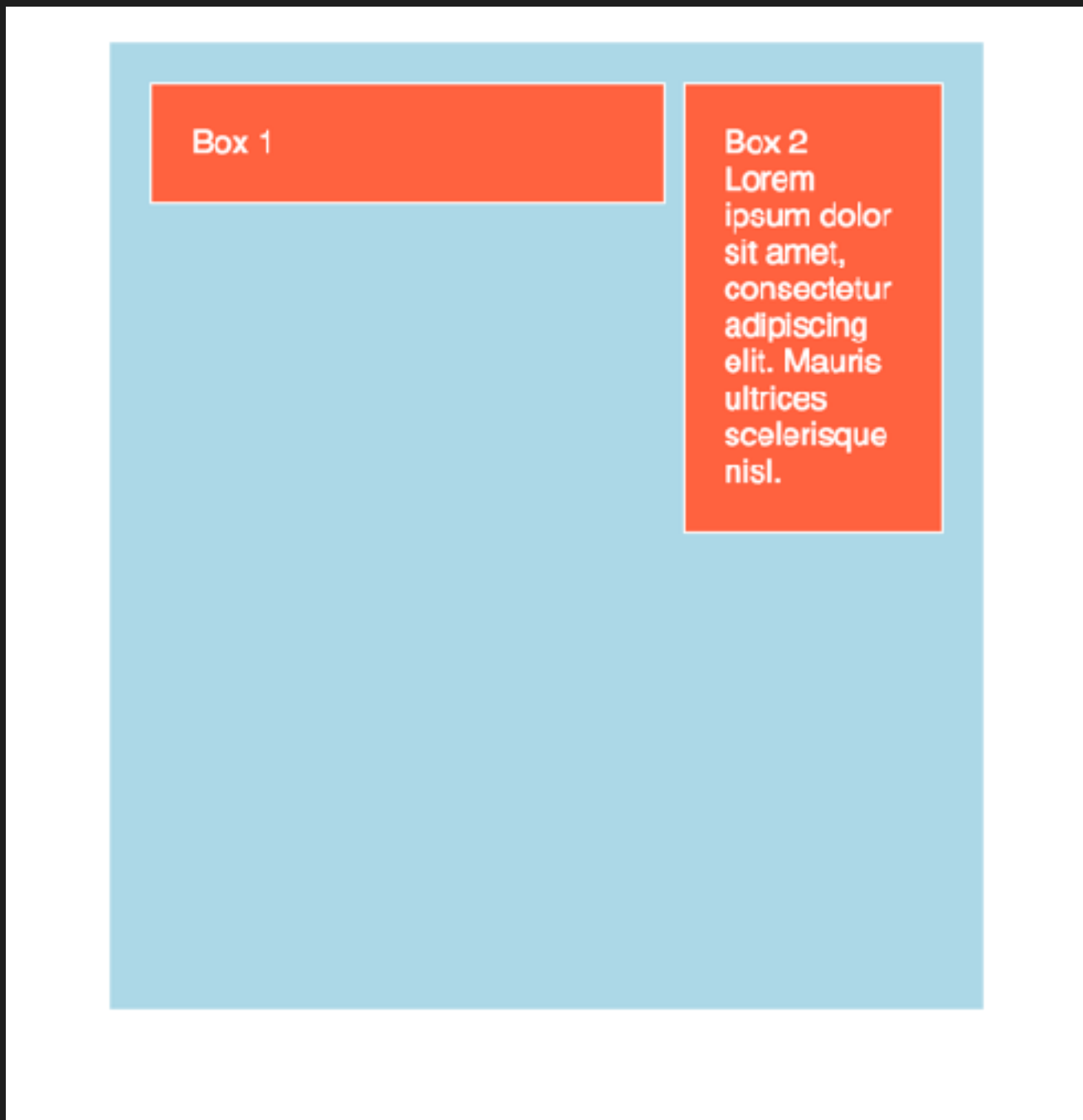
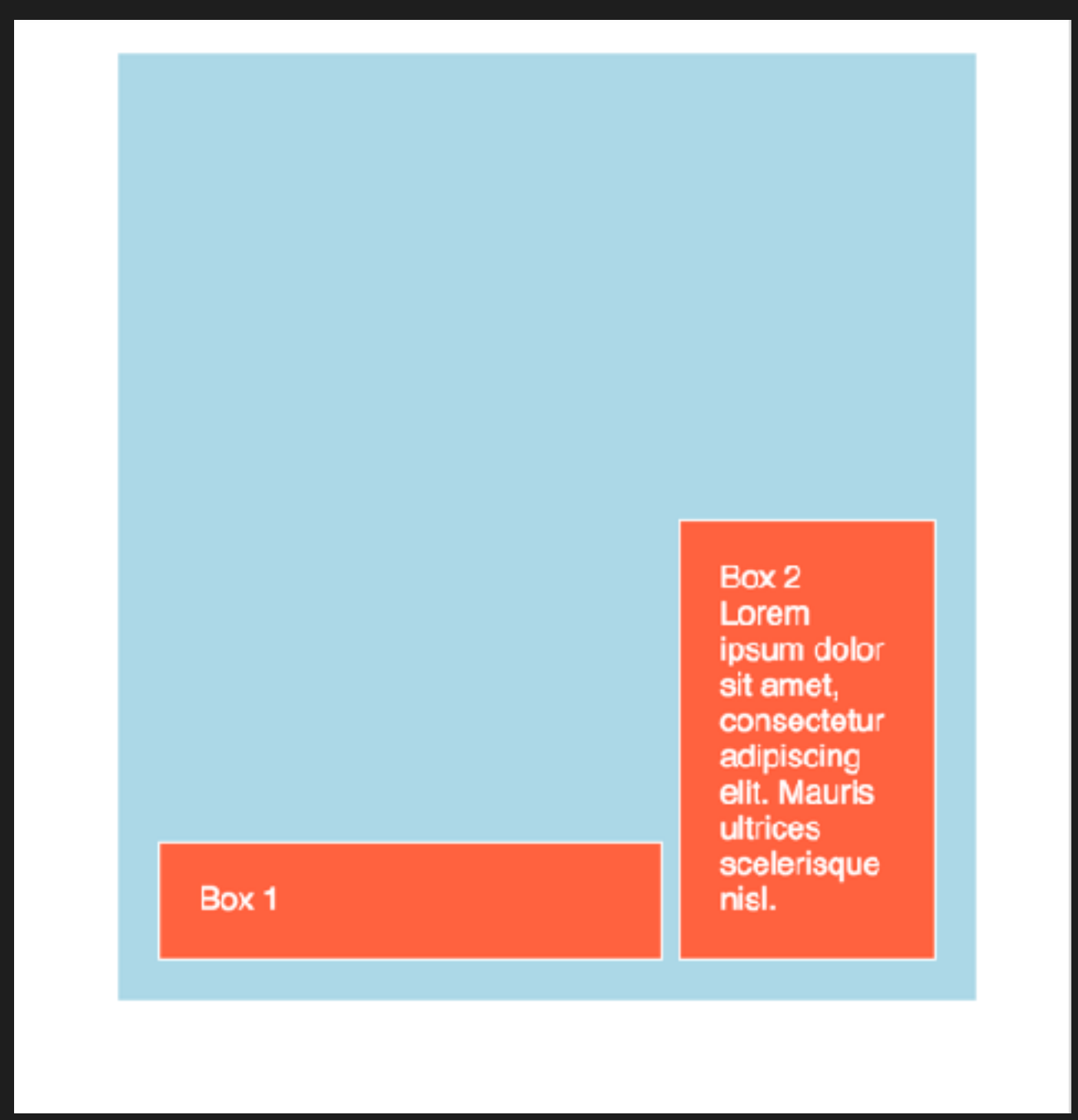
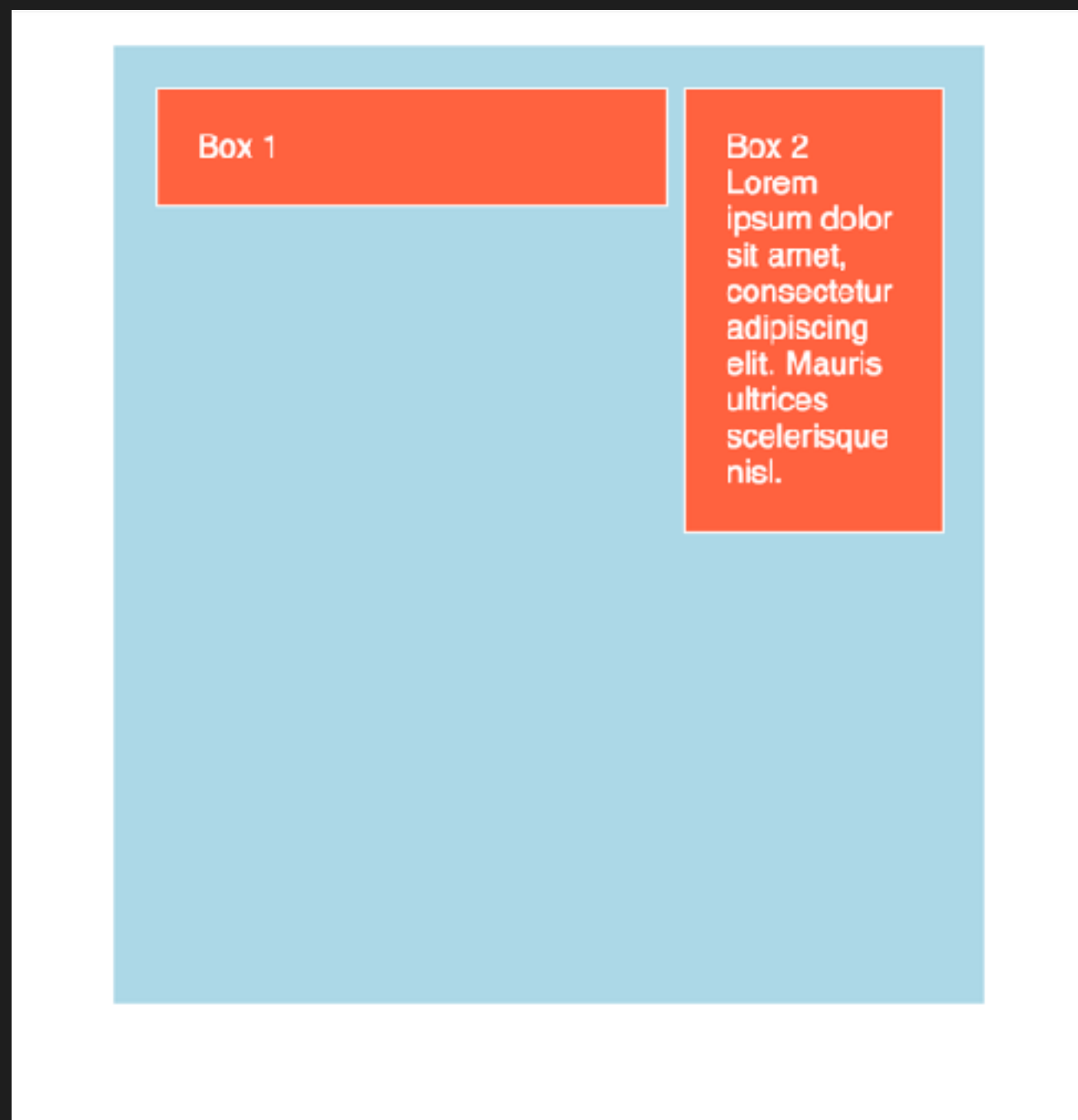
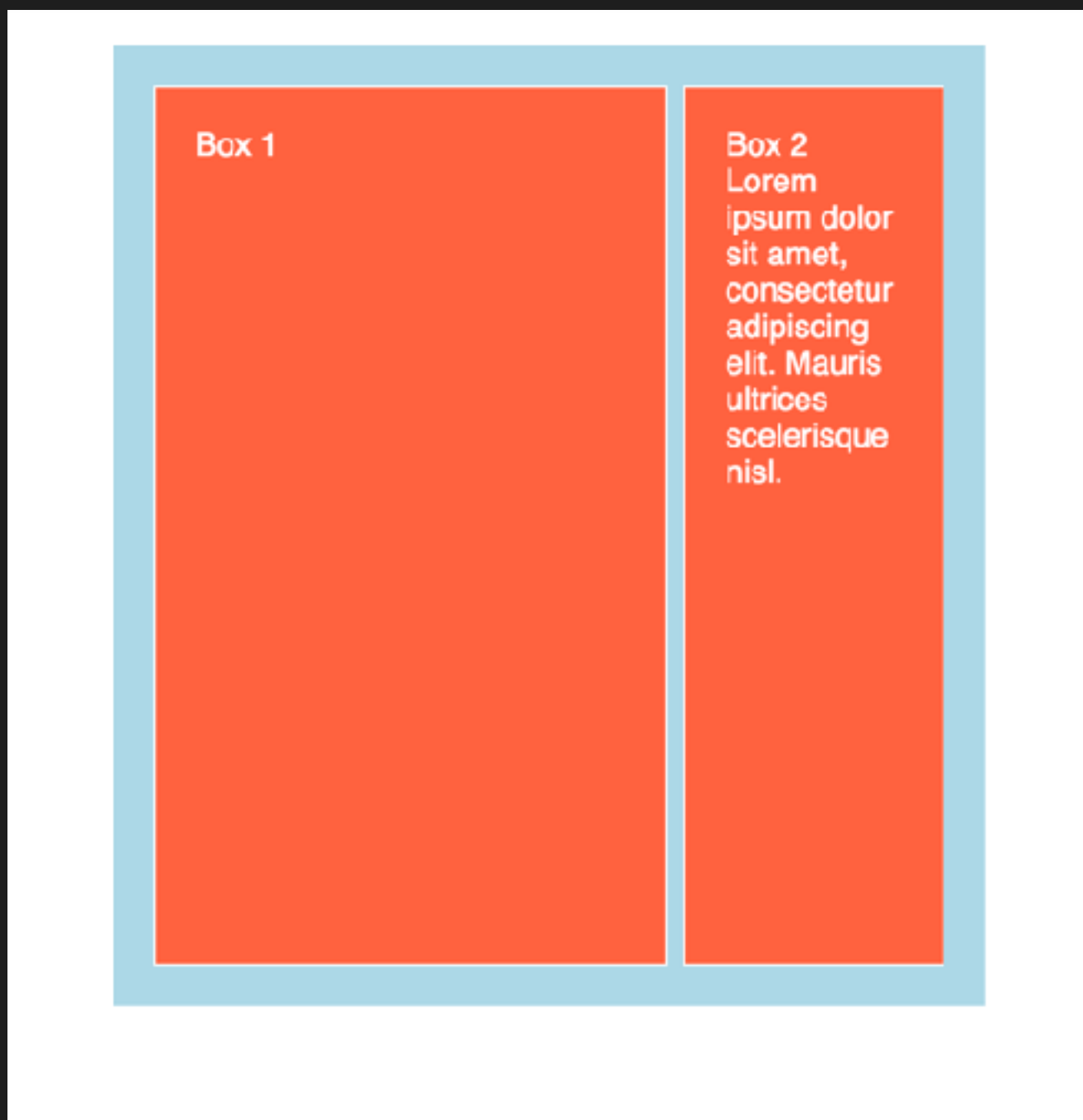
**Height + Align-Items**



```
.container {  
  width: 80%;  
  height: 60vh;  
  padding: 20px;  
  display: flex;  
}  
.two-third {  
  width: 65%;  
}  
.one-third {  
  width: 33%;  
}
```







# Directional Flexing

```
.container {
  flex-direction: row;           // Default ... it's a row
  flex-direction: row-reverse;  // Reverses the order of the row
  flex-direction: column;       // It's a column with a simple
                                // change in CSS
  flex-direction: column-reverse; // Reverses the direction of
                                // the column;

  // Column also changes the direction justify and align deal with.
}
```

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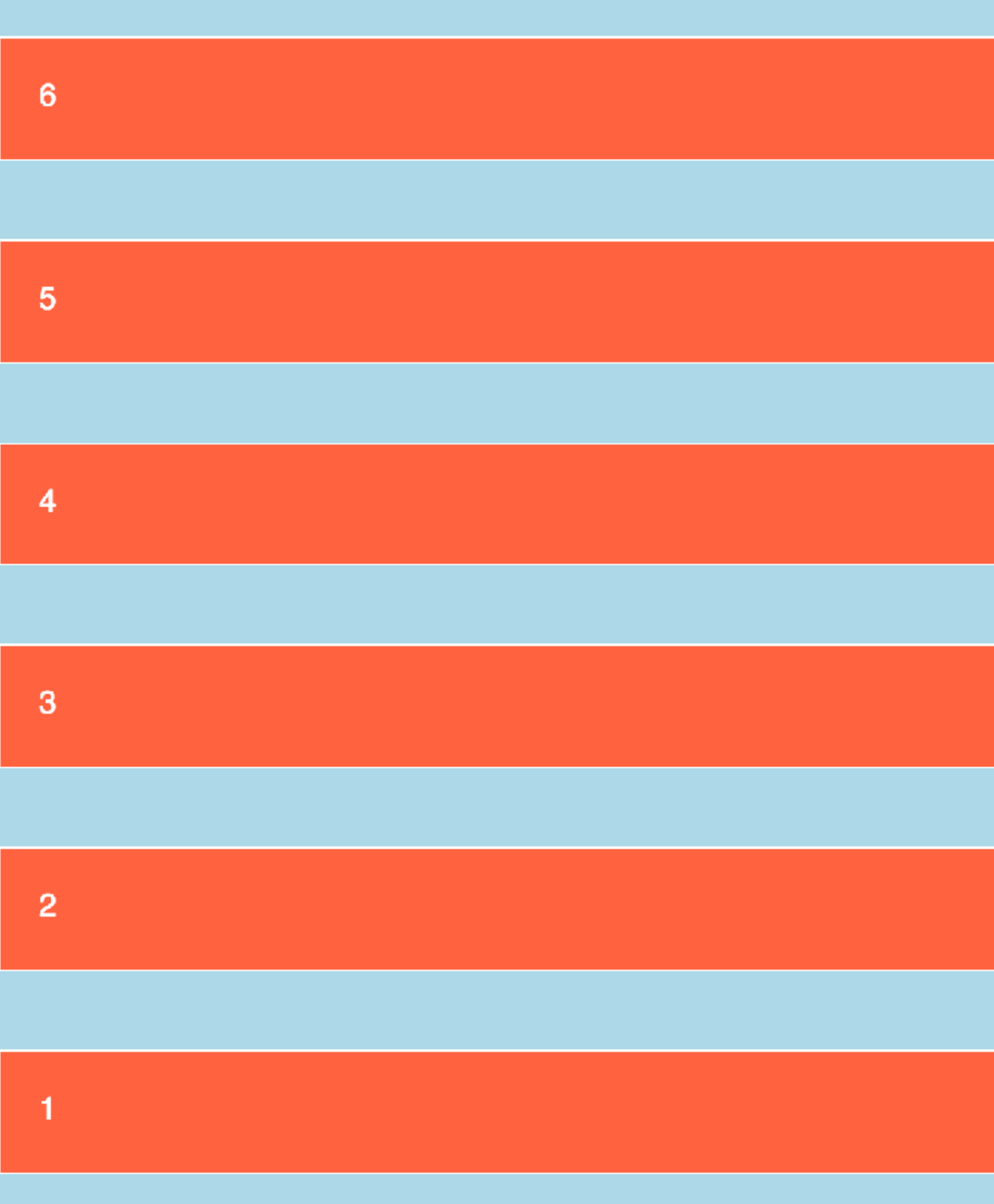
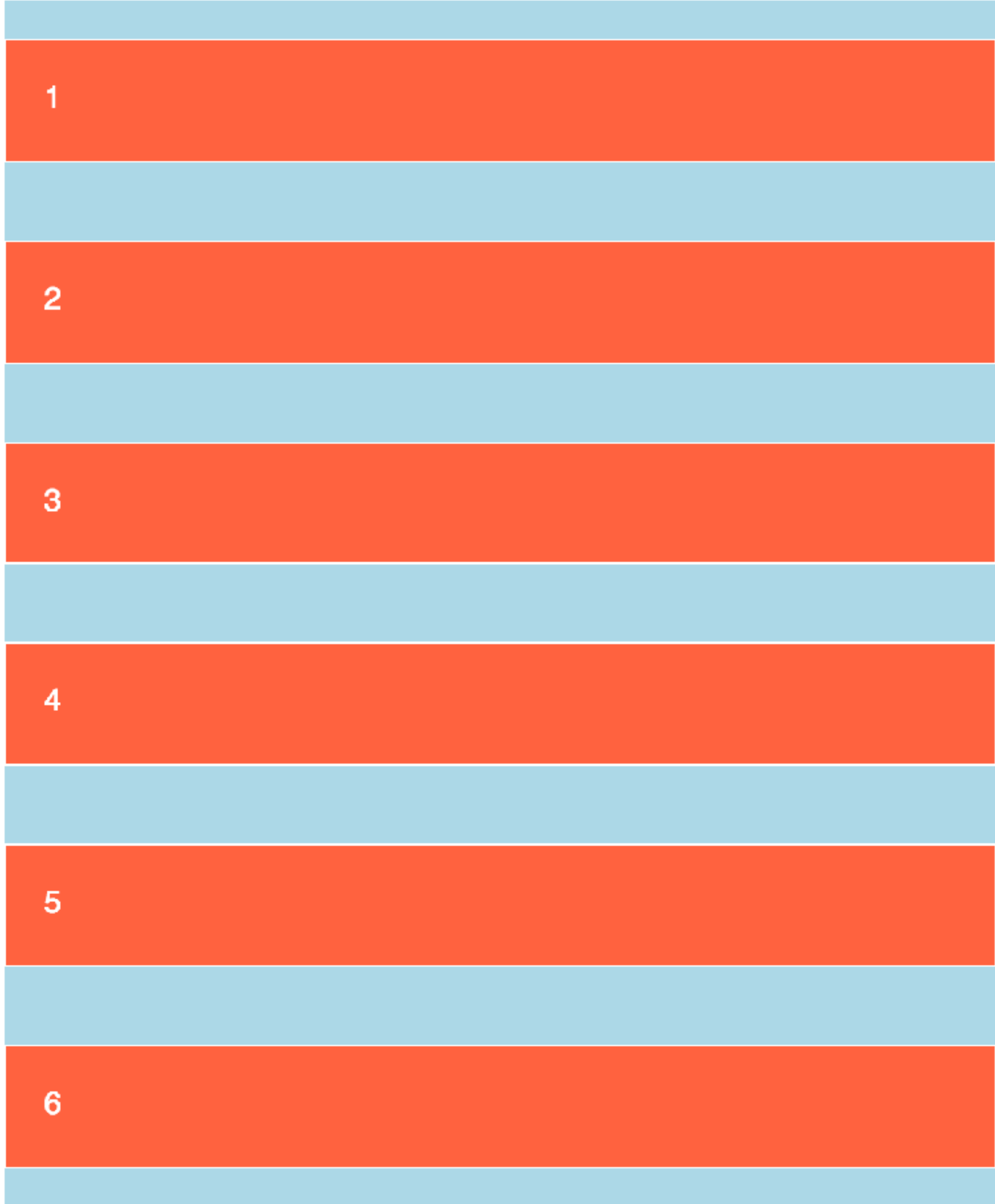
5

4

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1





# Learn More

- *[Flexbox by Animated GIF](#)*
- *[Flexbox Froggy](#)*
- *[Flexbox Zombies](#)*
- *[CSS Tricks Complete Guide to Flexbox](#)*

# Background Blend Mode

*CAN THE BROWSER REPLACE PHOTOSHOP?*

# Support *(FALL FORWARD WITH EYE TOWARD READABILITY)*

## CSS background-blend-mode - CR

Allows blending between CSS background images, gradients, and colors.

Usage	% of all users
Global	93.06% + 0.42% = 93.49%
No spam regex	89.63% + 0.18% = 89.81%
U.S.A.	93.15% + 1.08% = 94.22%

IE	Edge *	Firefox	Chrome	Safari	iOS Safari *	Opera Mini *	Chrome for Android	UC Browser for Android	Samsung Internet
		74			12.4				
	18	75	80	13	13.3				
11	81	76	81	13.1	13.4	all	81	12.12	11.1
		77	83	TP					
		78	84						
			85						







```
.box {  
  height: 15vw;  
  margin-bottom: 50px;  
  width: calc(25% - 10px);  
  
  background-size: cover;  
  background-image: url(https://placekitten.com/1000/800);  
  background-color: purple;  
  background-blend-mode: [value];  
}
```



normal | multiply | screen | overlay | darken | lighten | color-dodge | color-burn |  
hard-light | soft-light | difference | exclusion | hue | saturation | color | luminosity





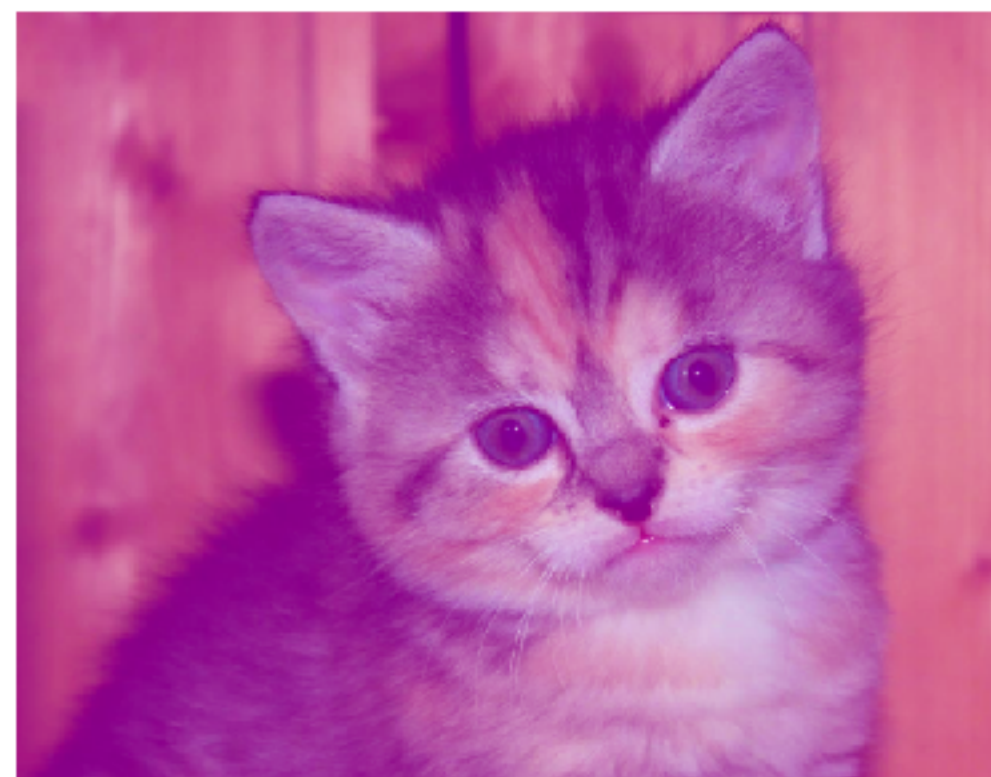




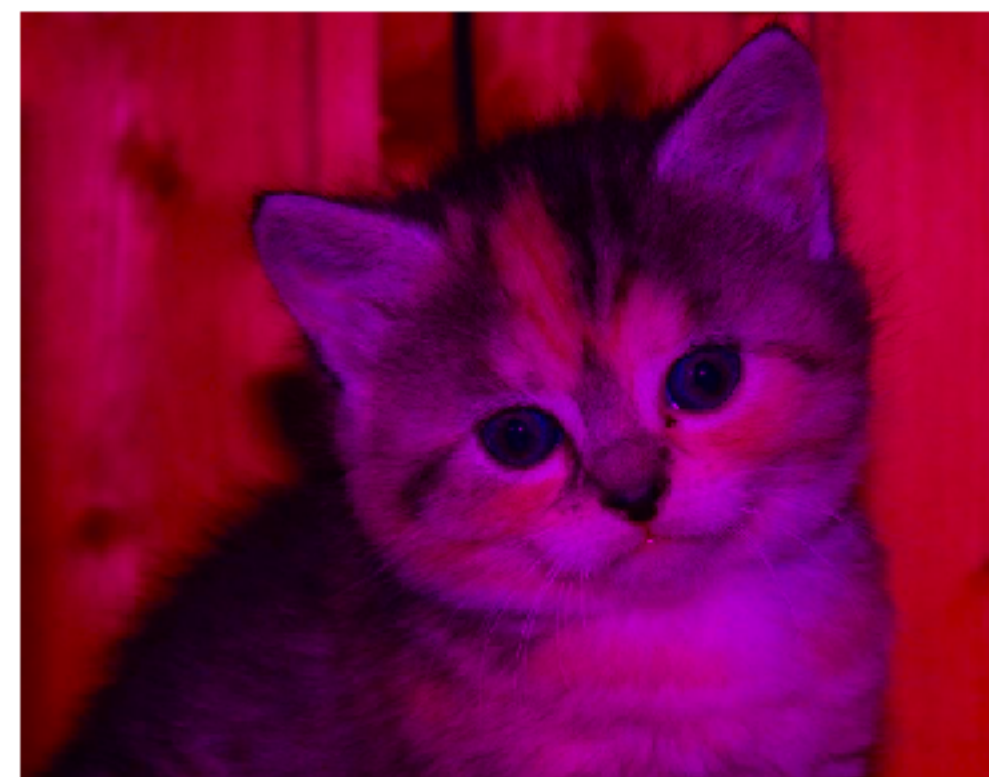
*Normal*



*Multiply*



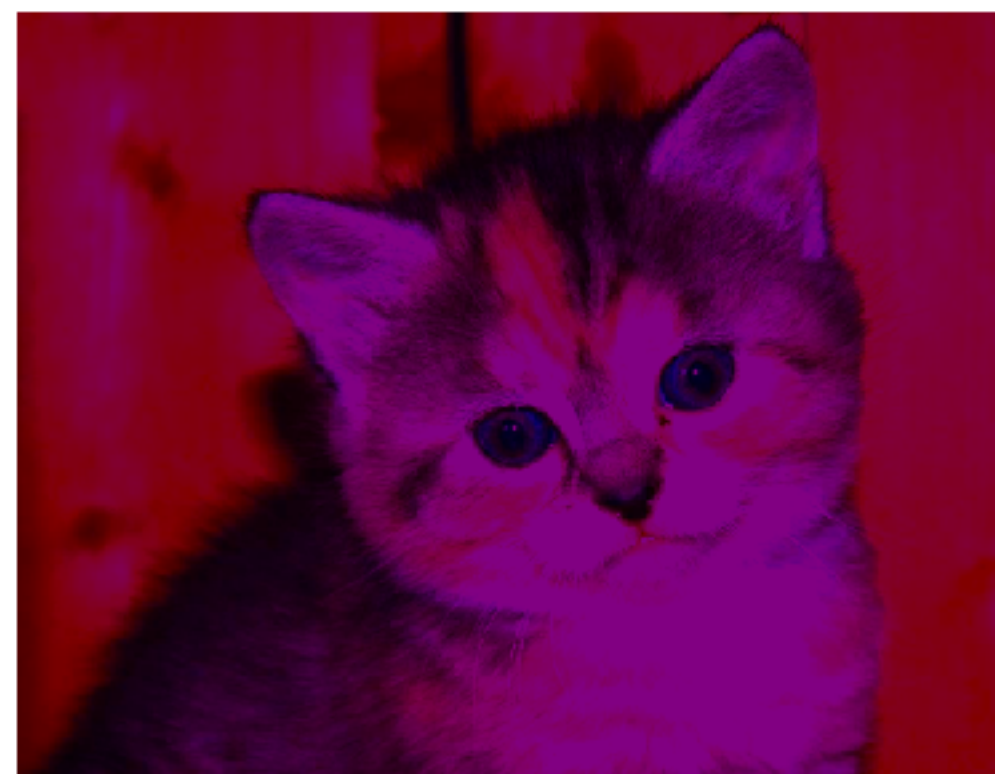
*Screen*



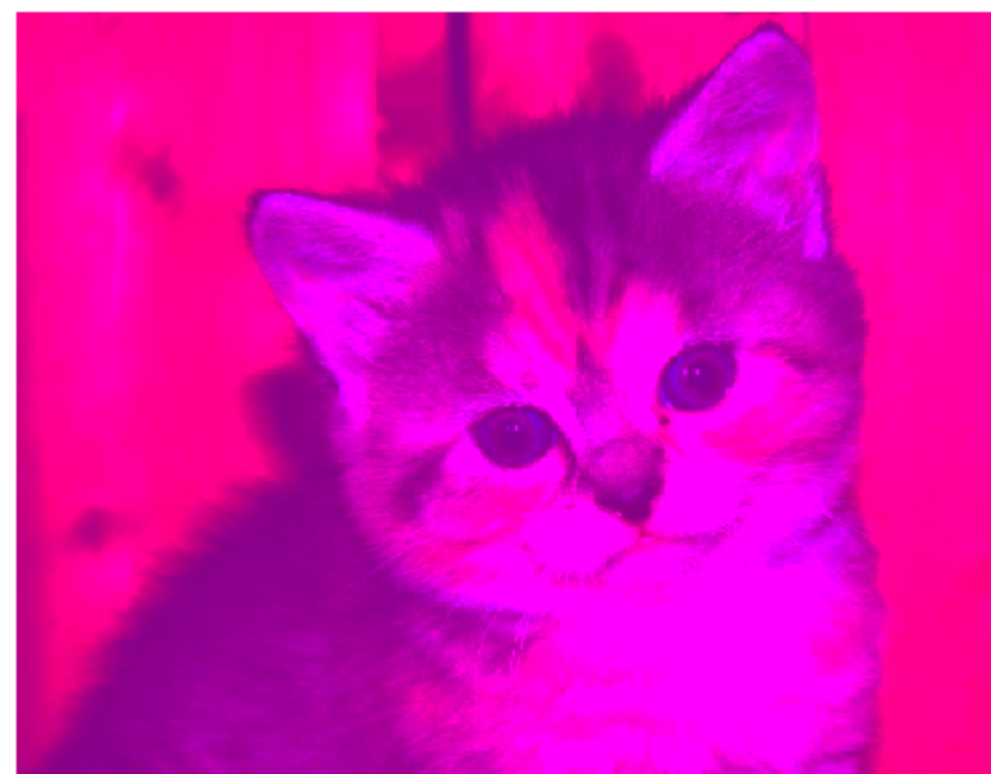
*Overlay*



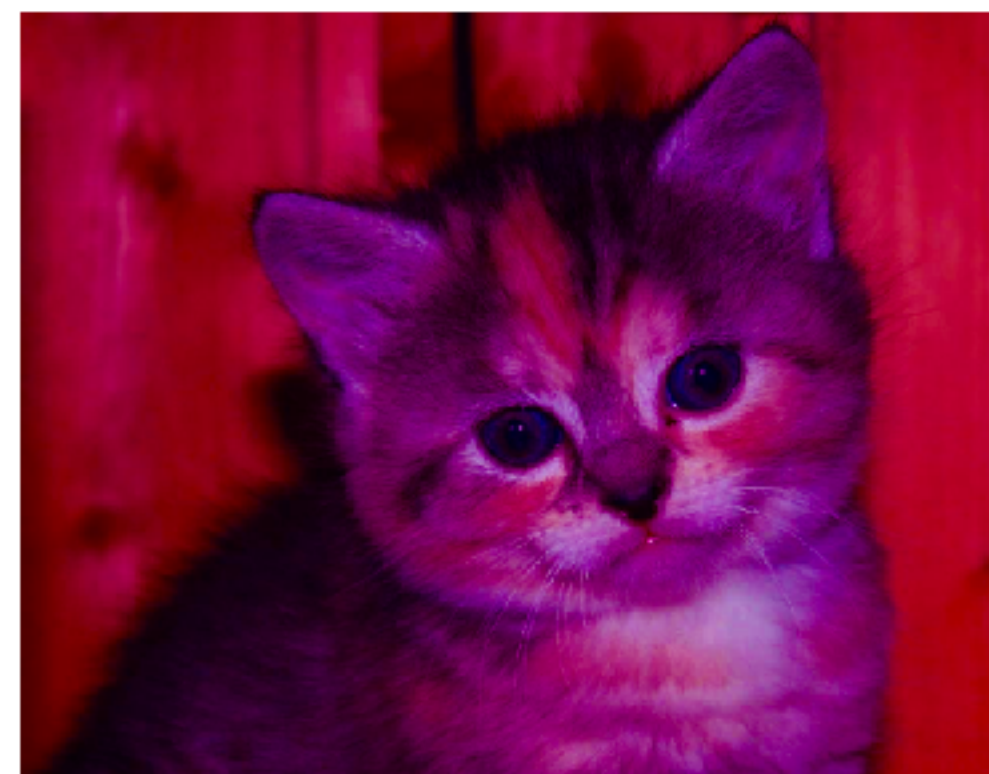
*Lighten*



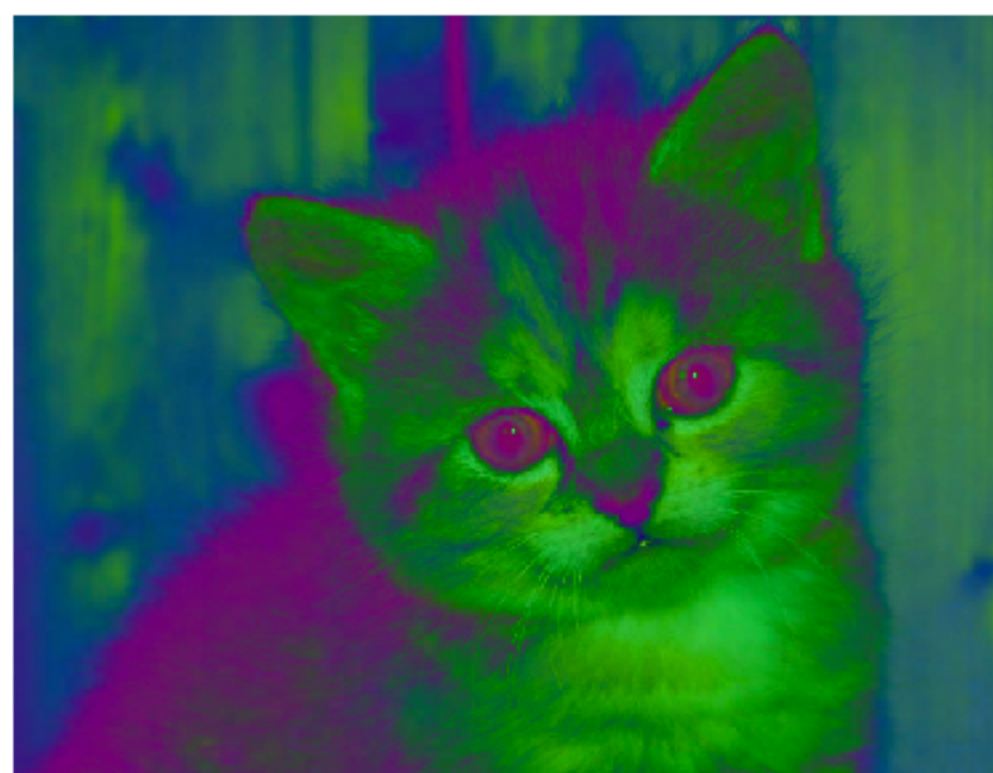
*Darken*



*Color Dodge*



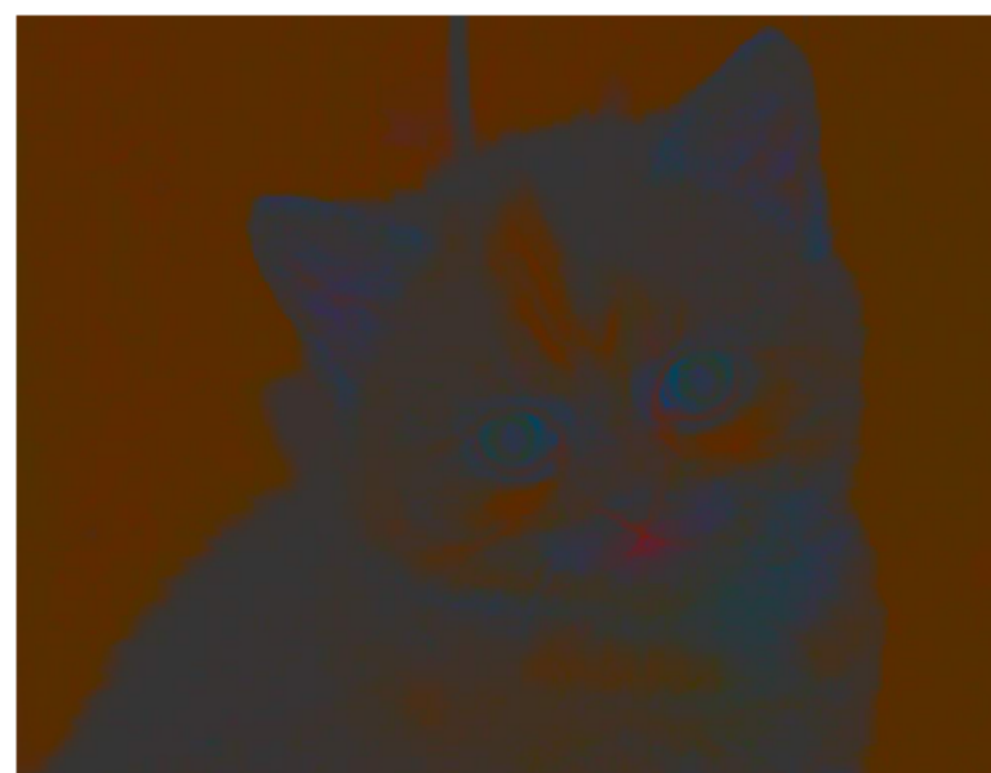
*Hard Light*



*Difference*



*Exclusion*



*Color*



*Luminosity*





*Normal*



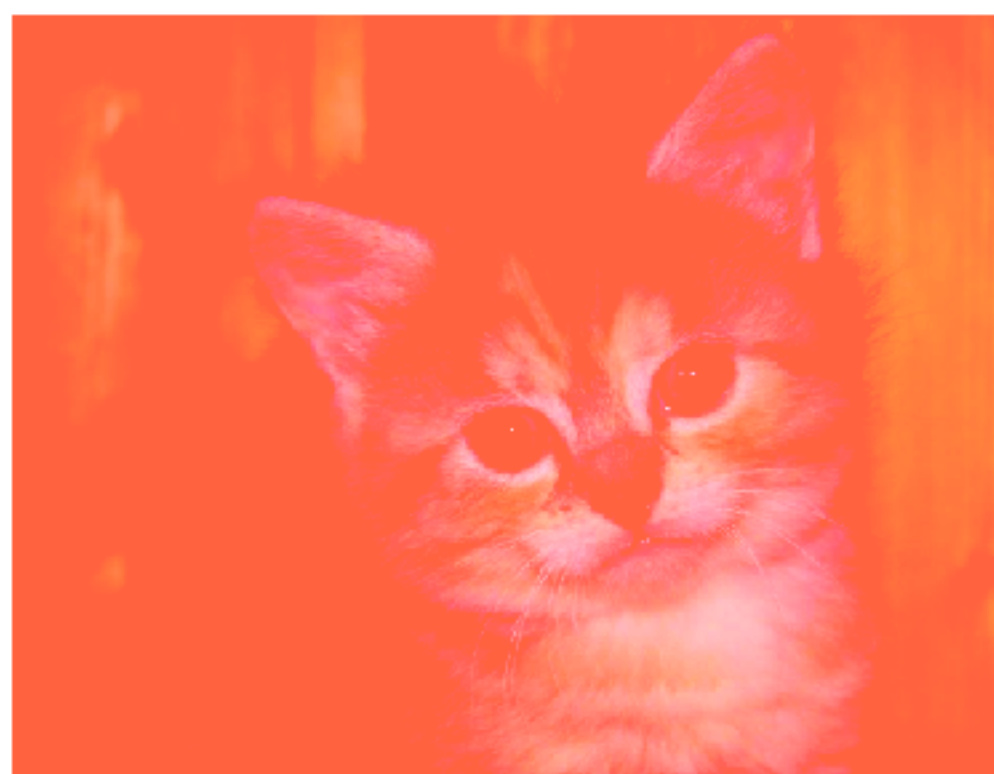
*Multiply*



*Screen*



*Overlay*



*Lighten*



*Darken*



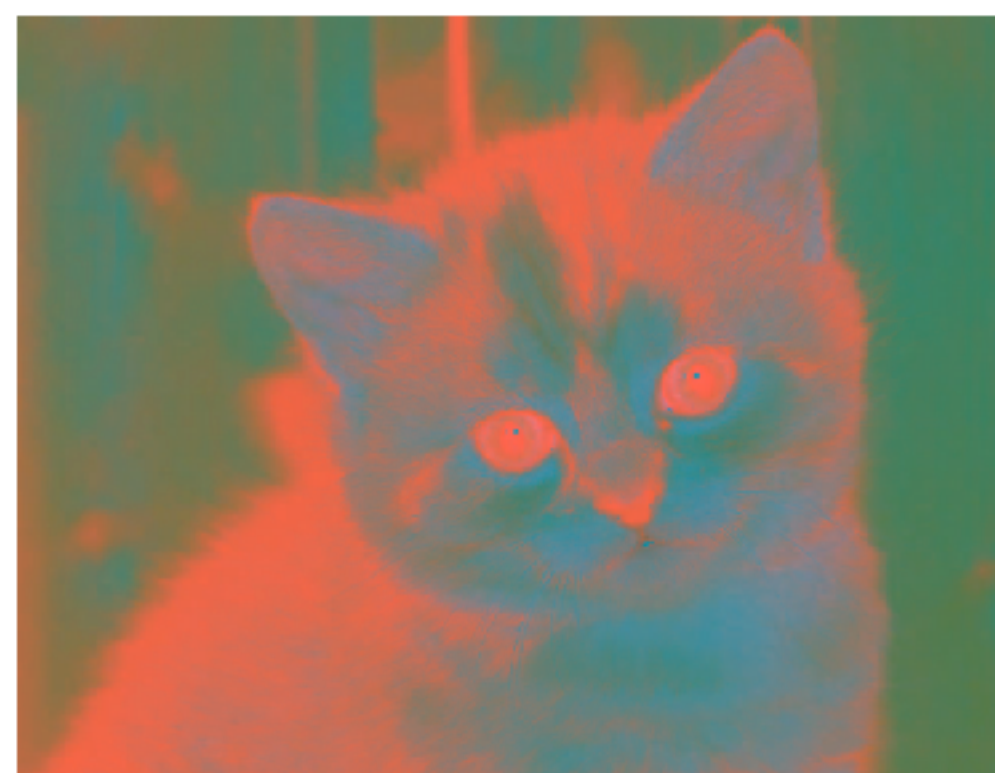
*Color Dodge*



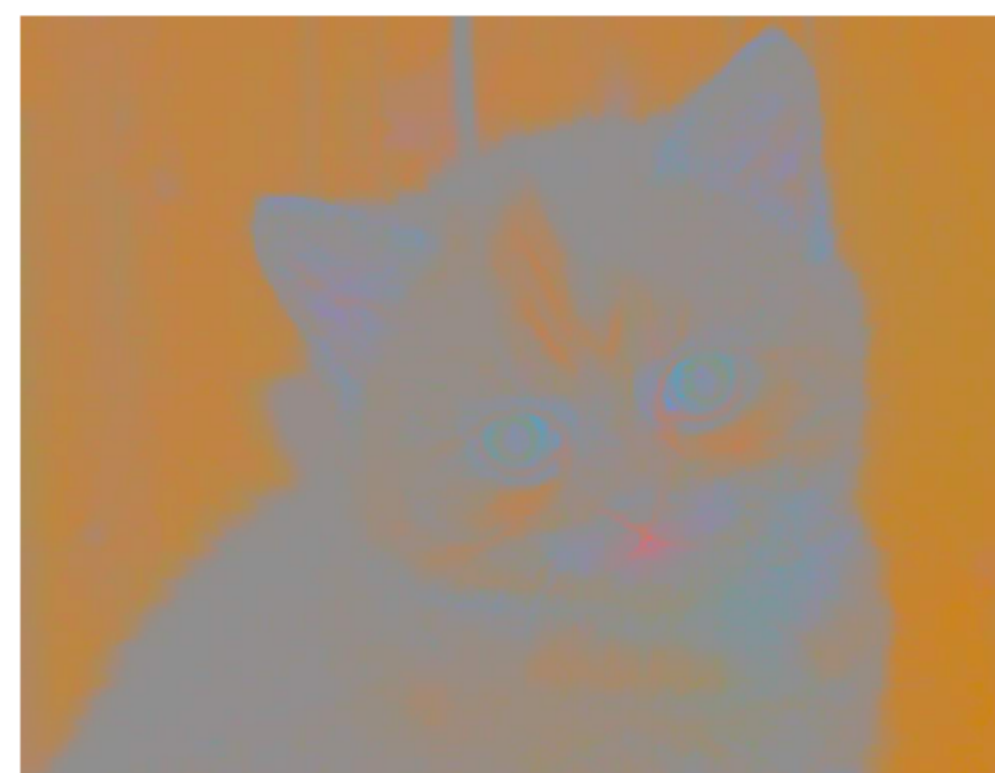
*Hard Light*



*Difference*



*Exclusion*



*Color*

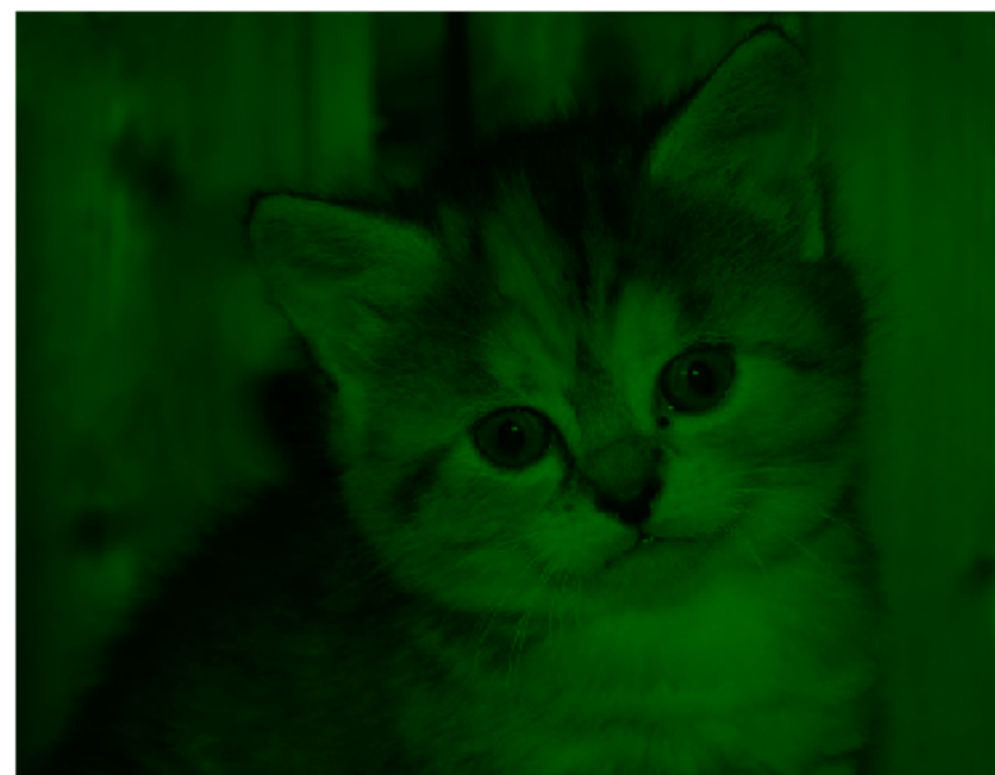


*Luminosity*





*Normal*



*Multiply*



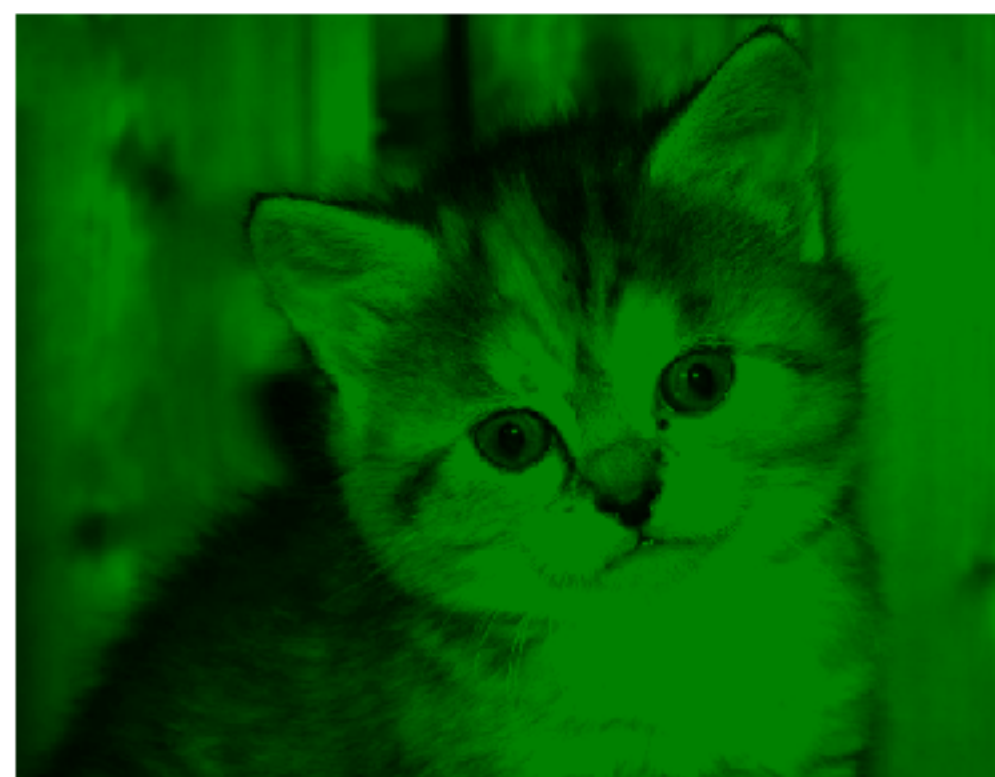
*Screen*



*Overlay*



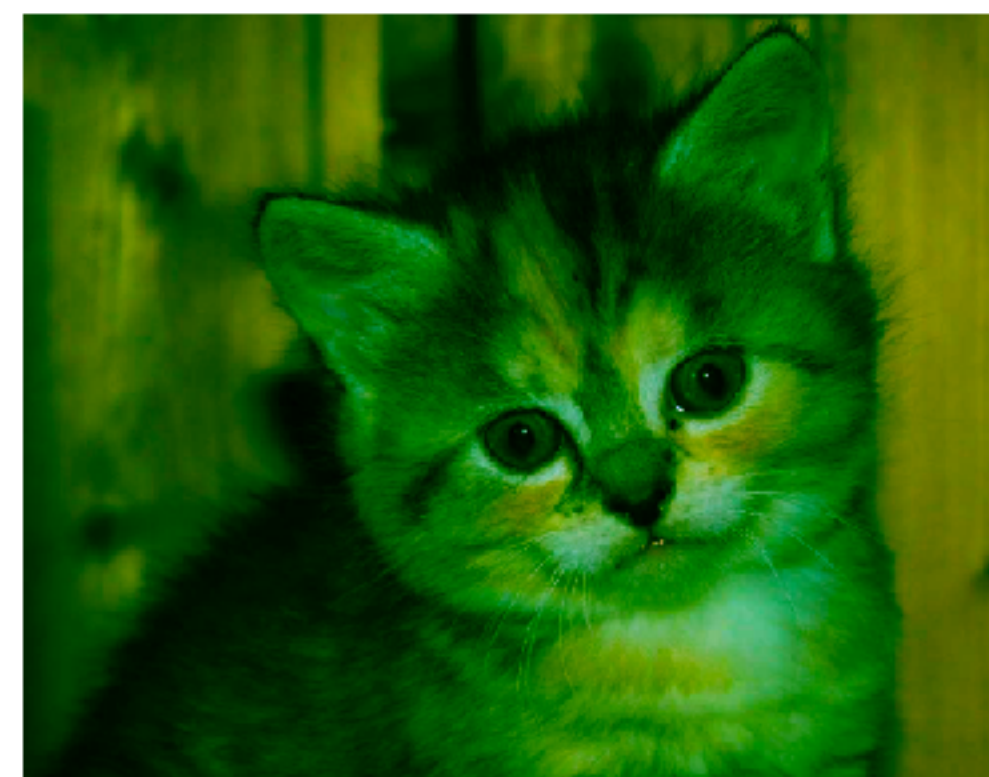
*Lighten*



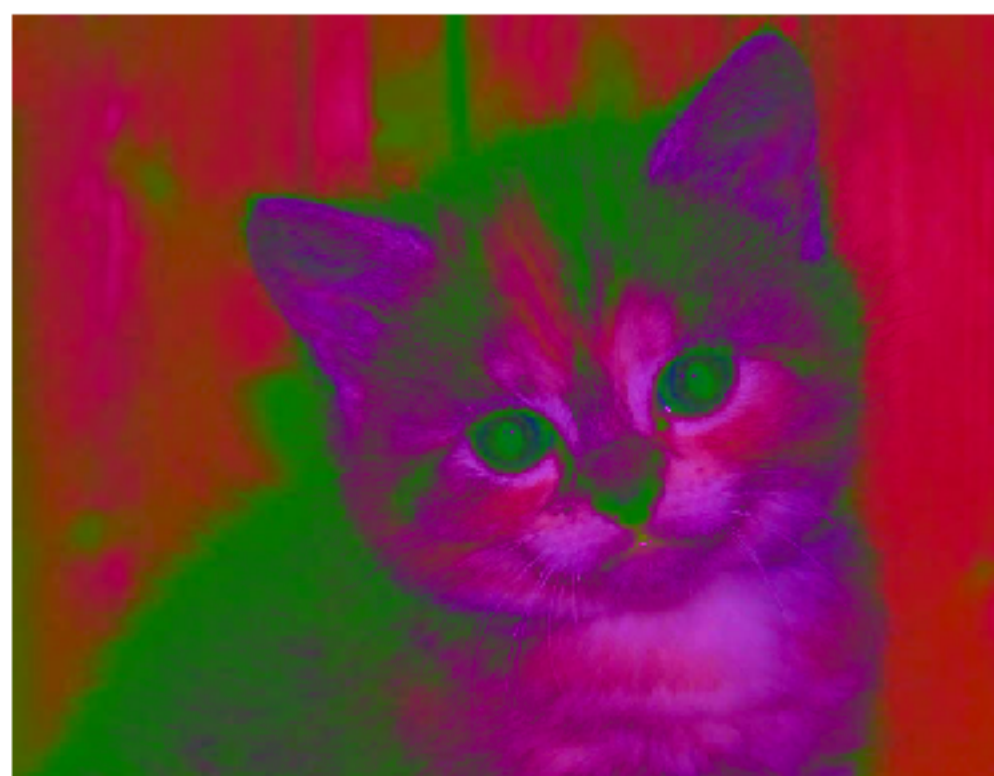
*Darken*



*Color Dodge*



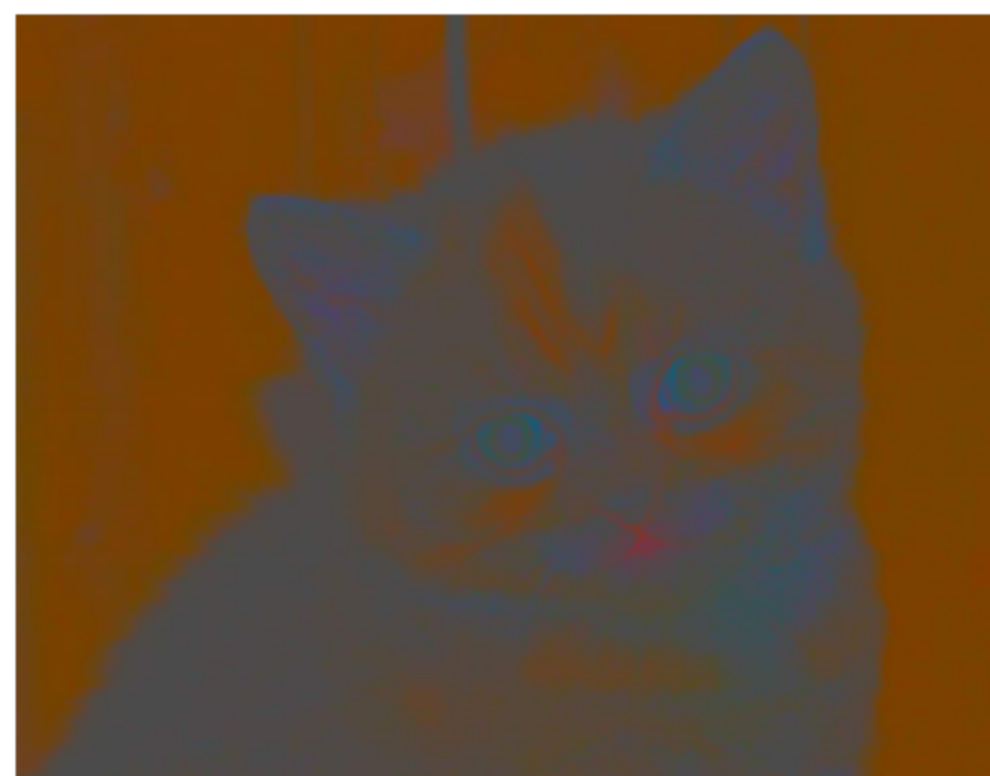
*Hard Light*



*Difference*



*Exclusion*



*Color*

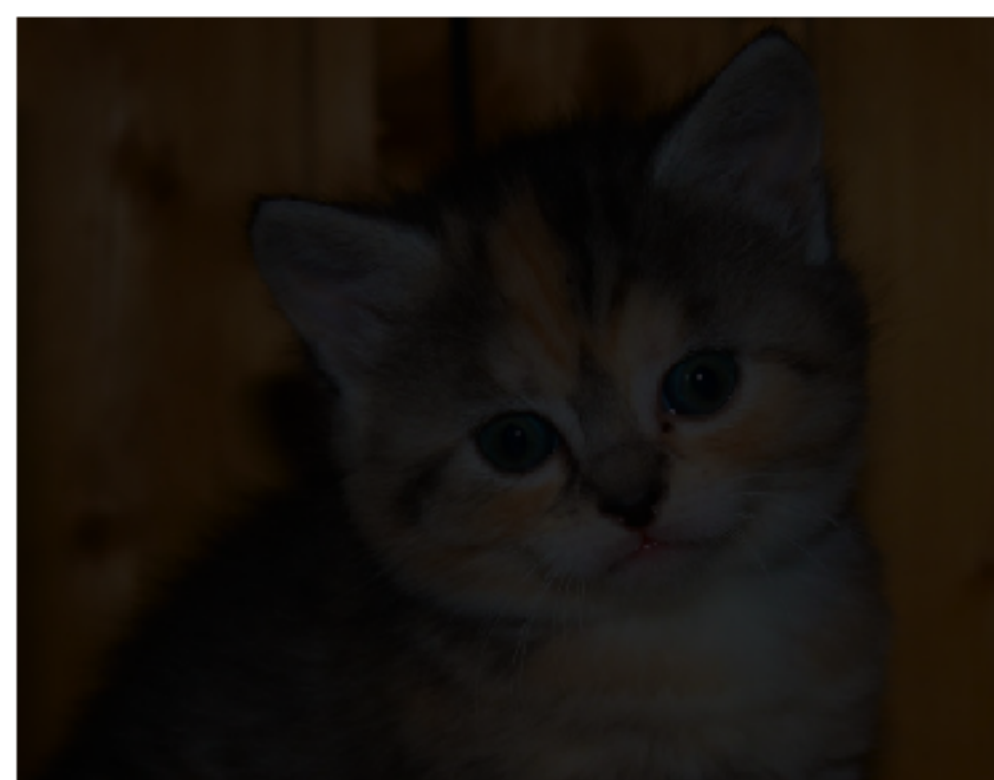


*Luminosity*





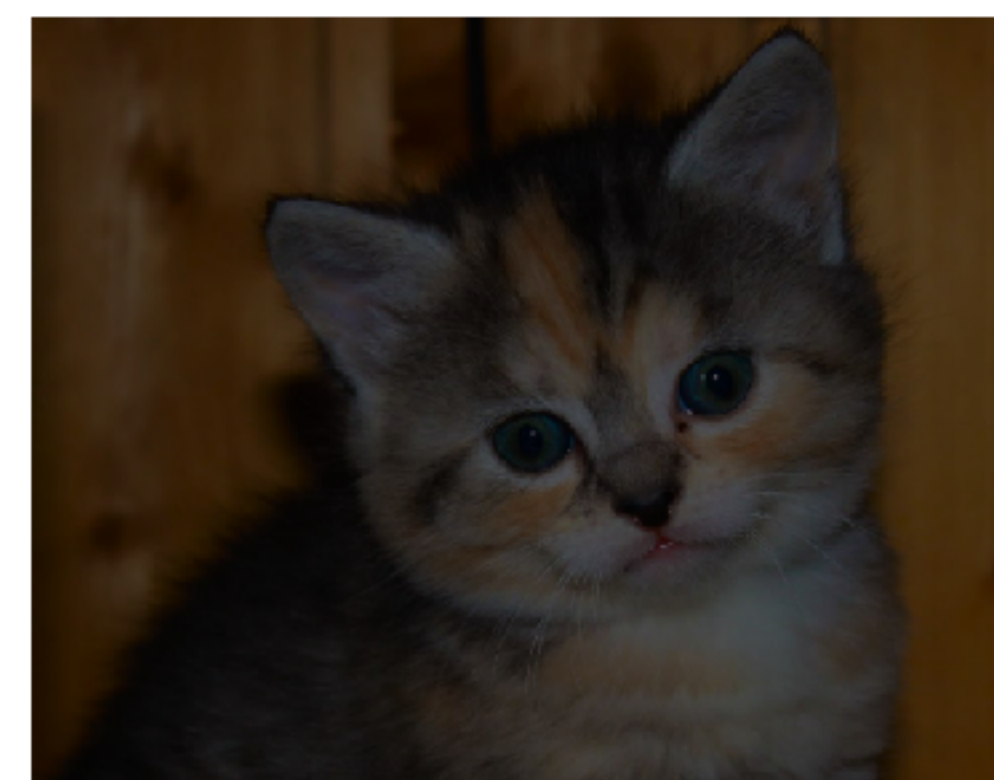
*Normal*



*Multiply*



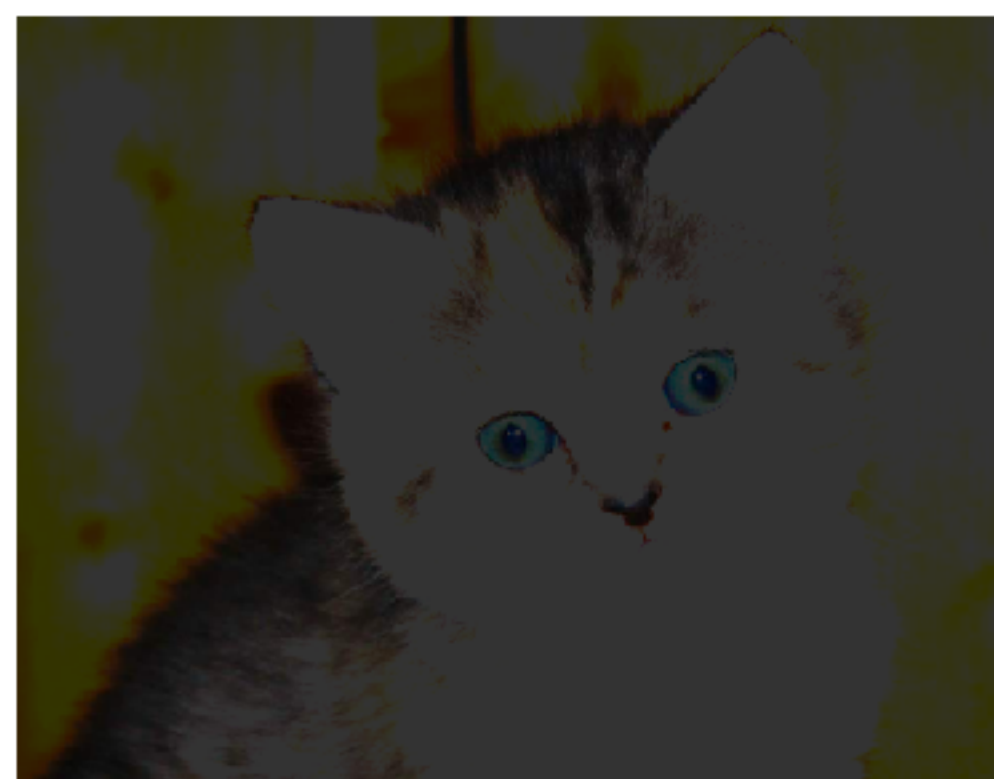
*Screen*



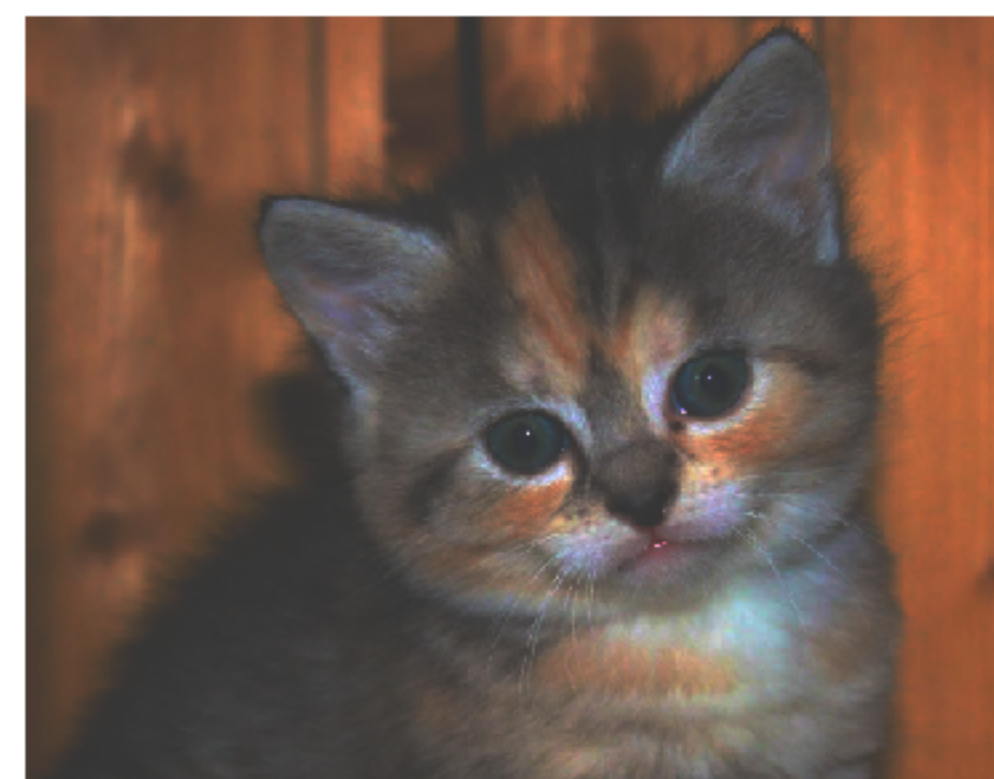
*Overlay*



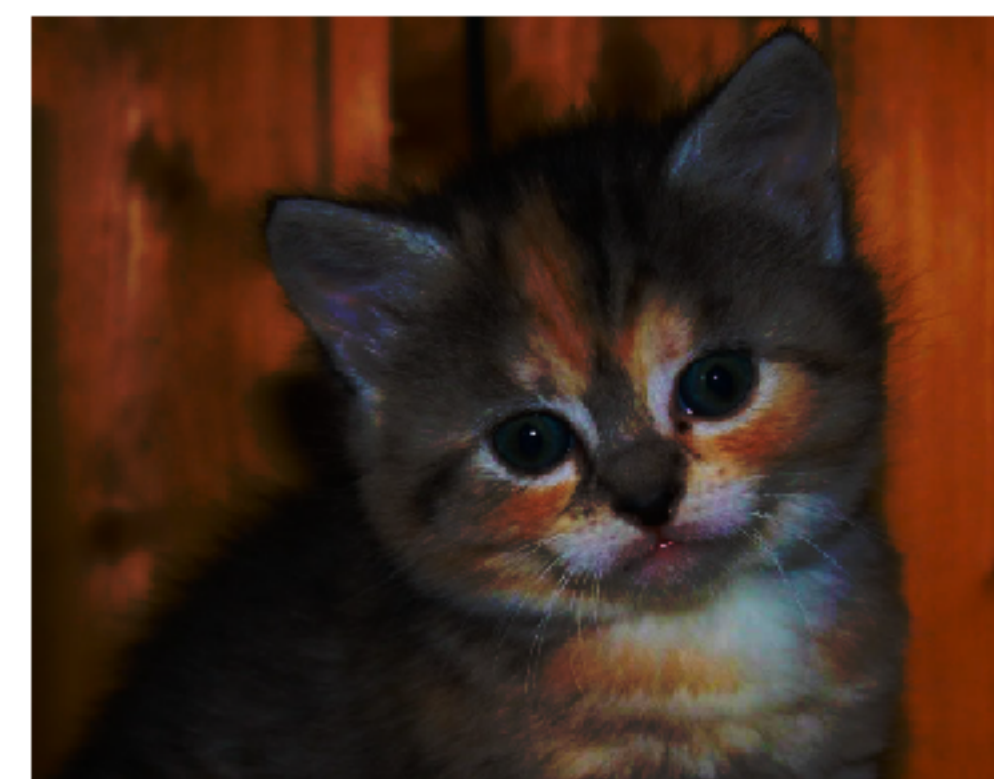
*Lighten*



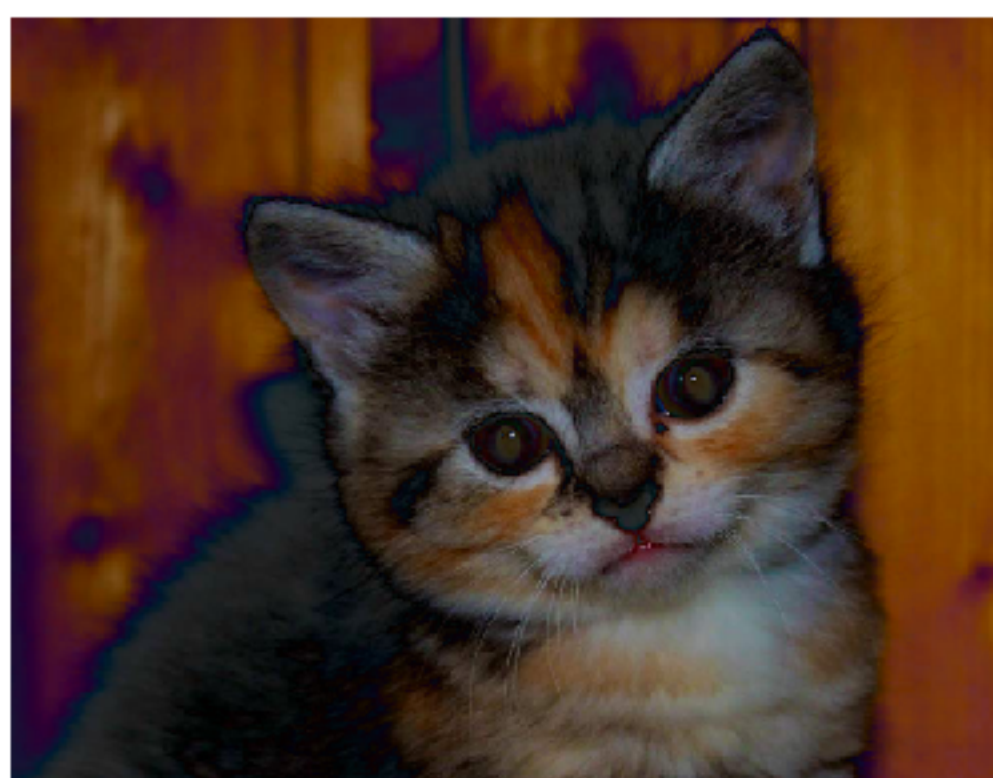
*Darken*



*Color Dodge*



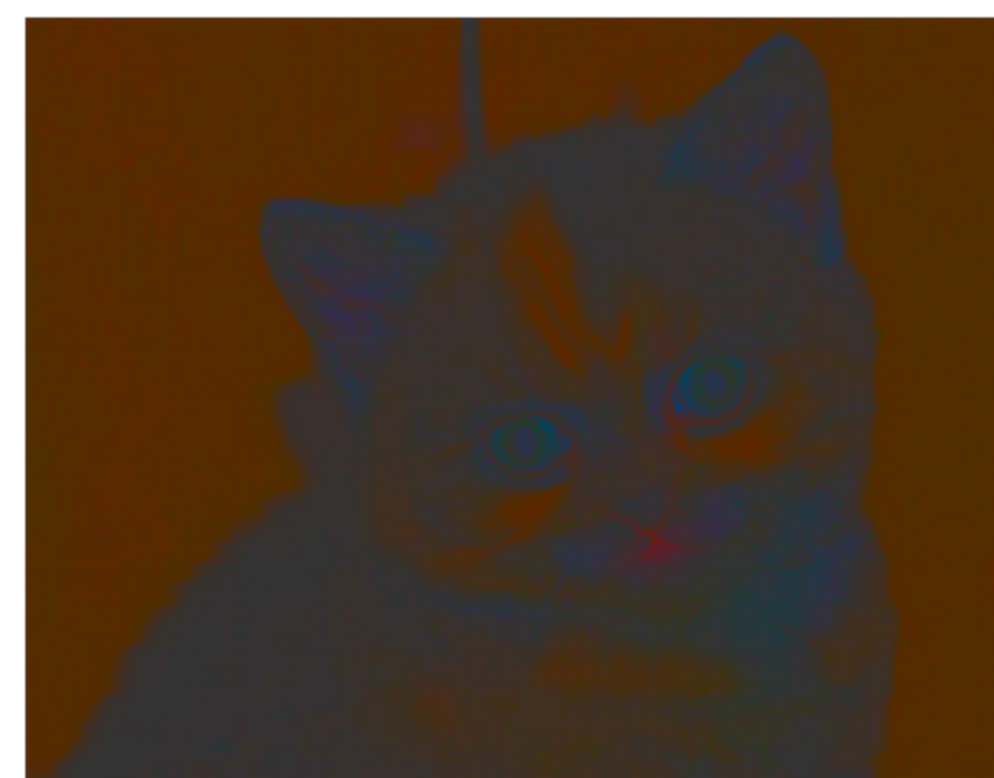
*Hard Light*



*Difference*



*Exclusion*



*Color*



*Luminosity*









*Normal*



*Multiply*



*Screen*



*Overlay*



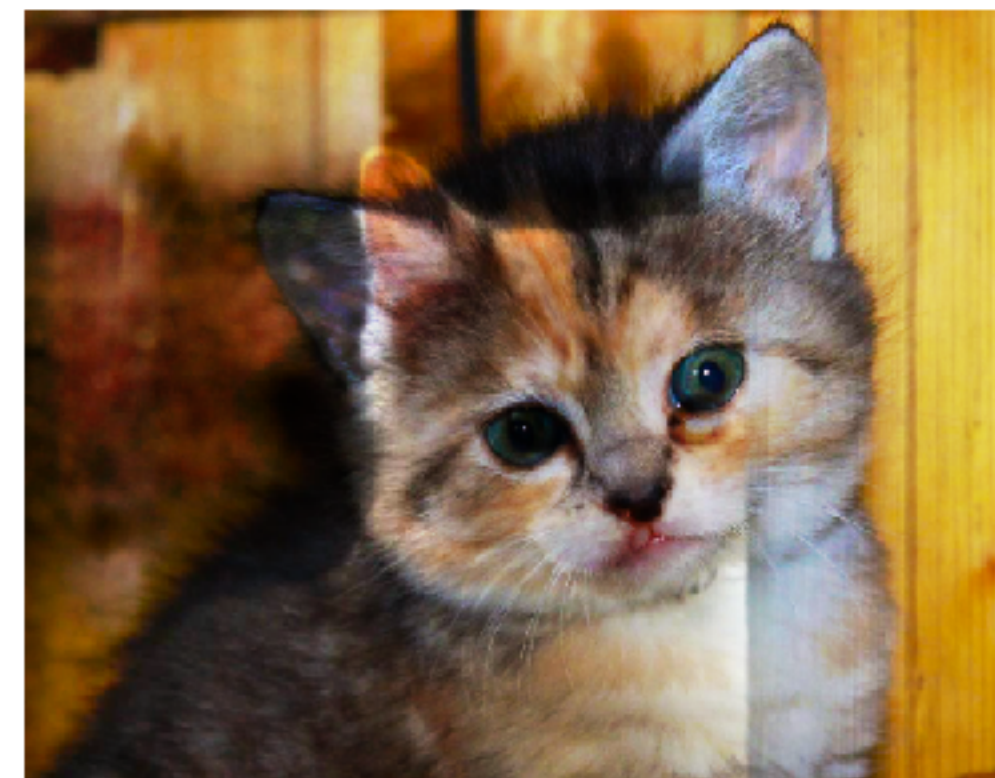
*Lighten*



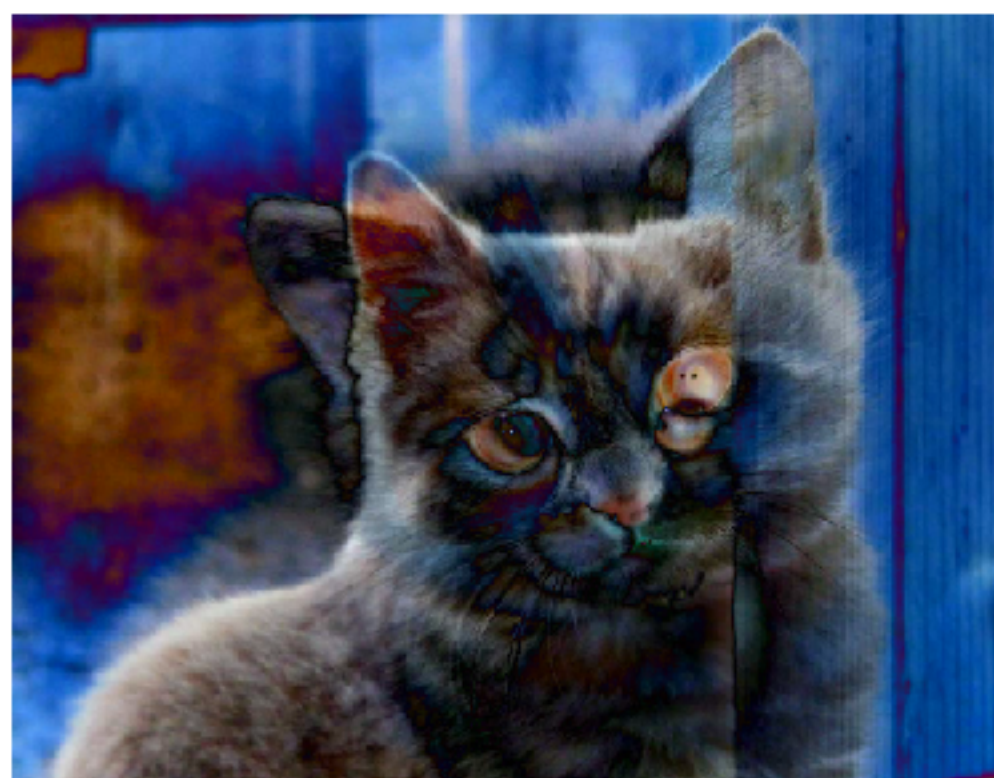
*Darken*



*Color Dodge*



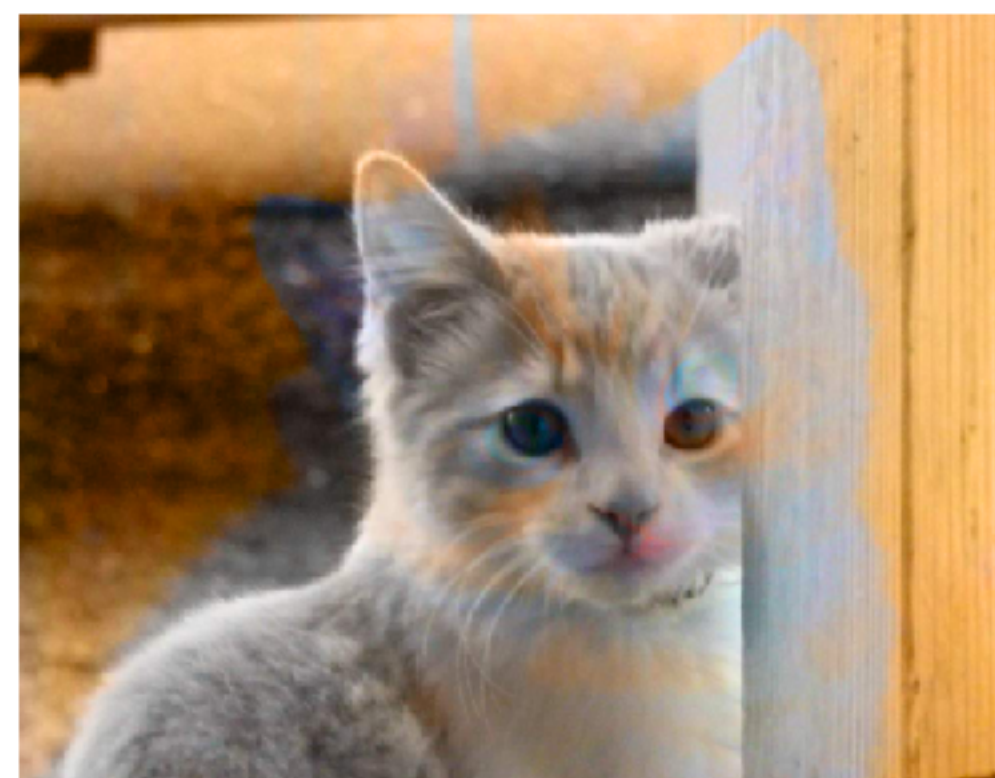
*Hard Light*



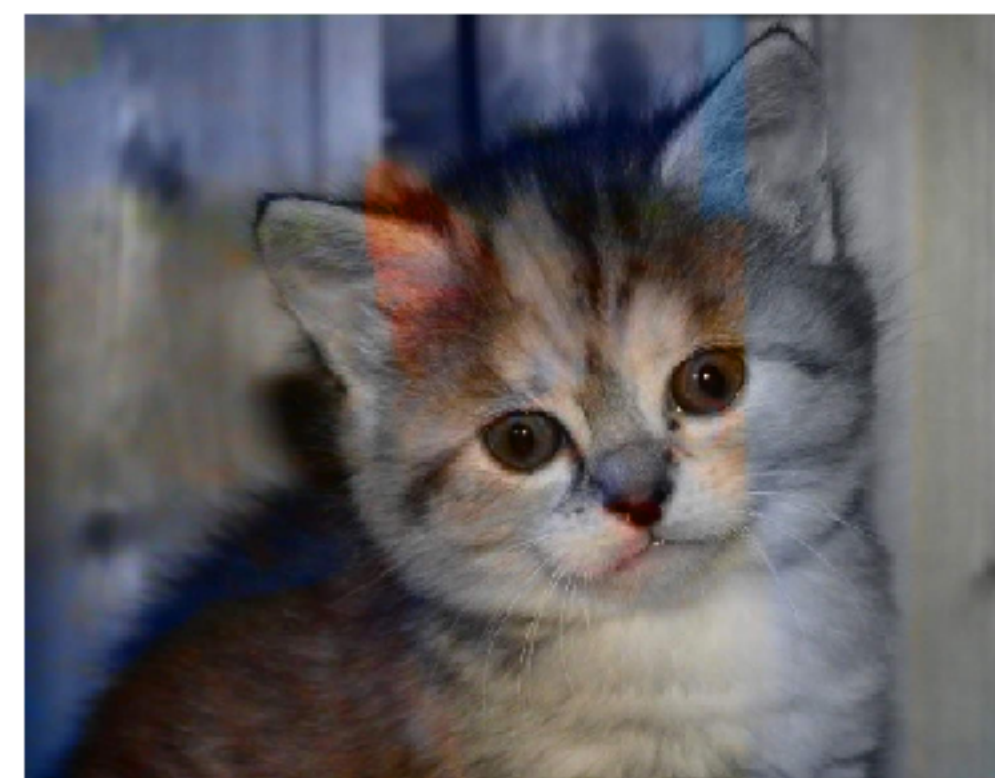
*Difference*



*Exclusion*



*Color*

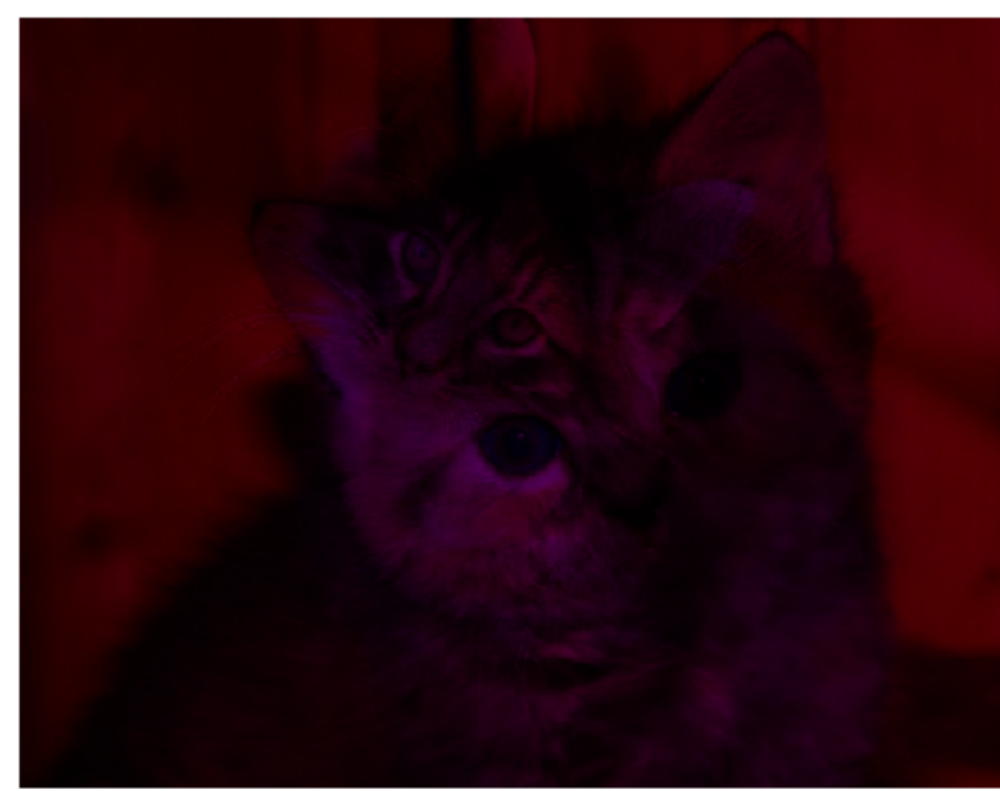


*Luminosity*





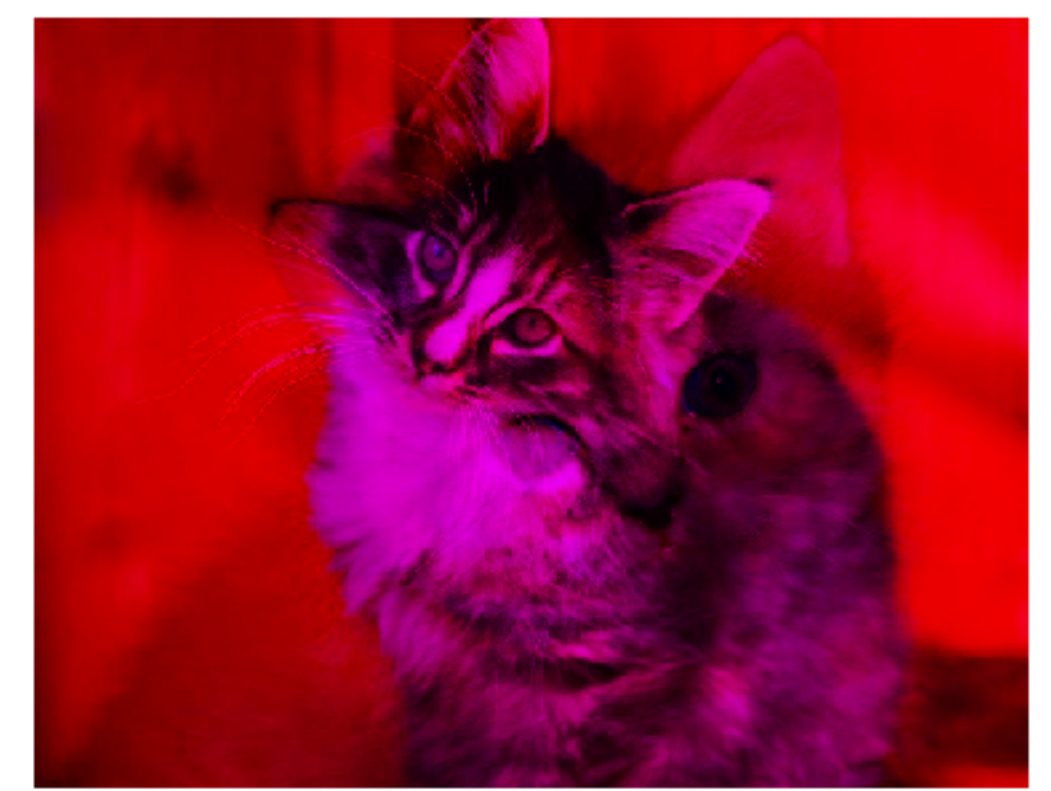
*Normal*



*Multiply*



*Screen*



*Overlay*



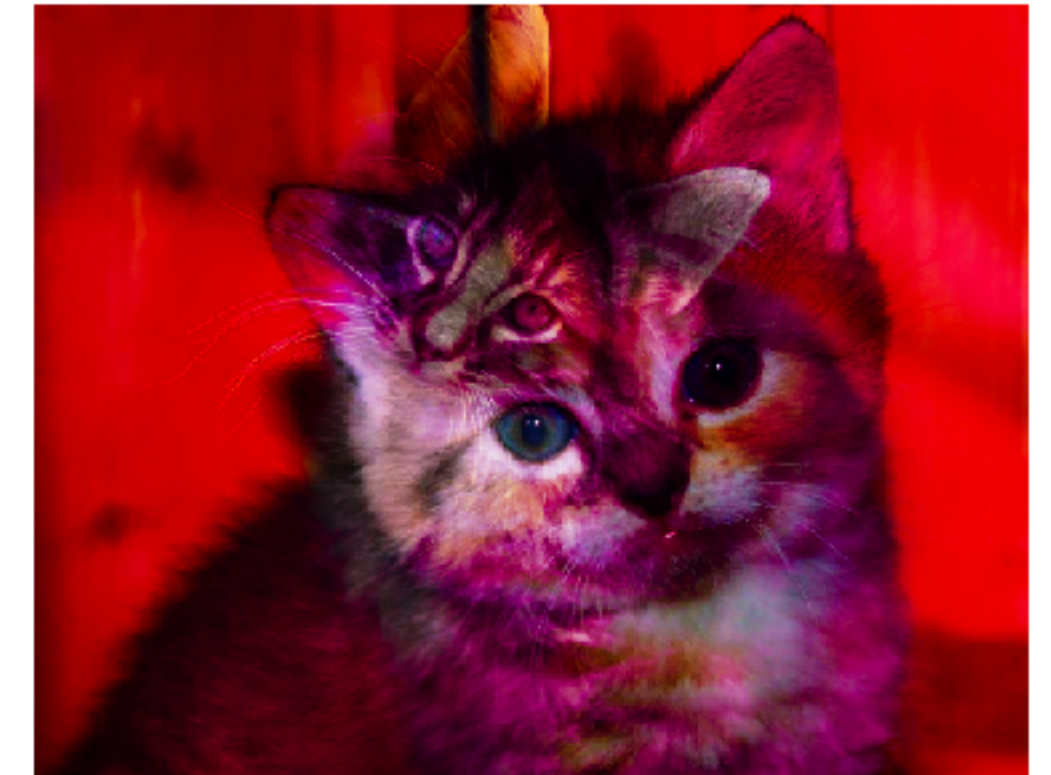
*Lighten*



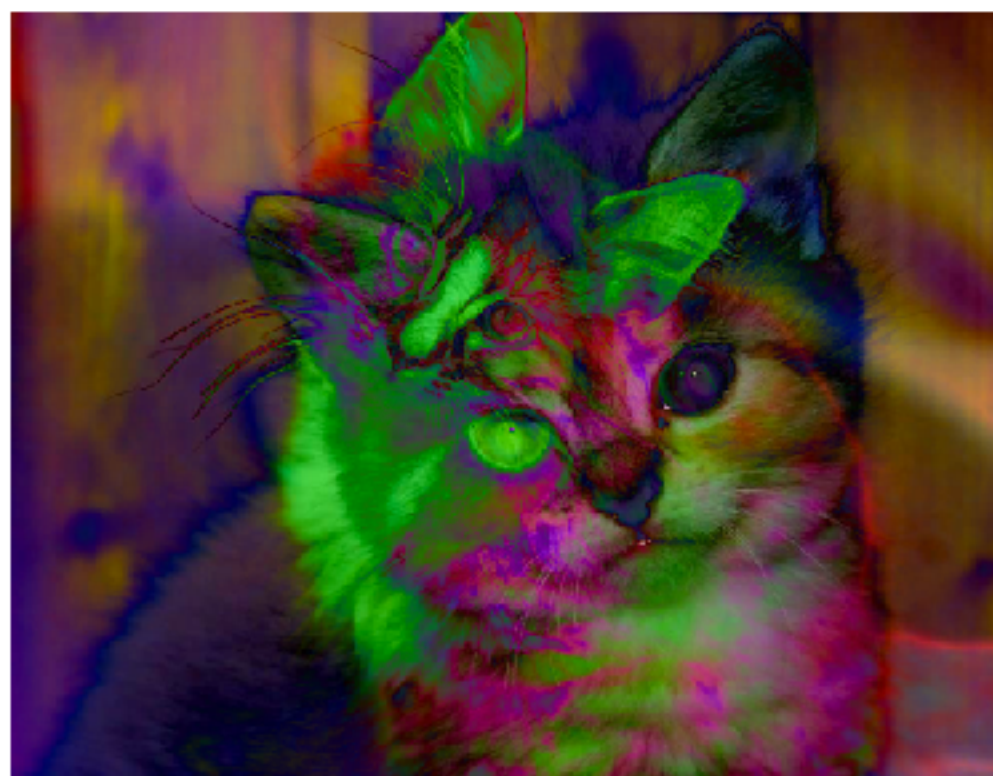
*Darken*



*Color Dodge*



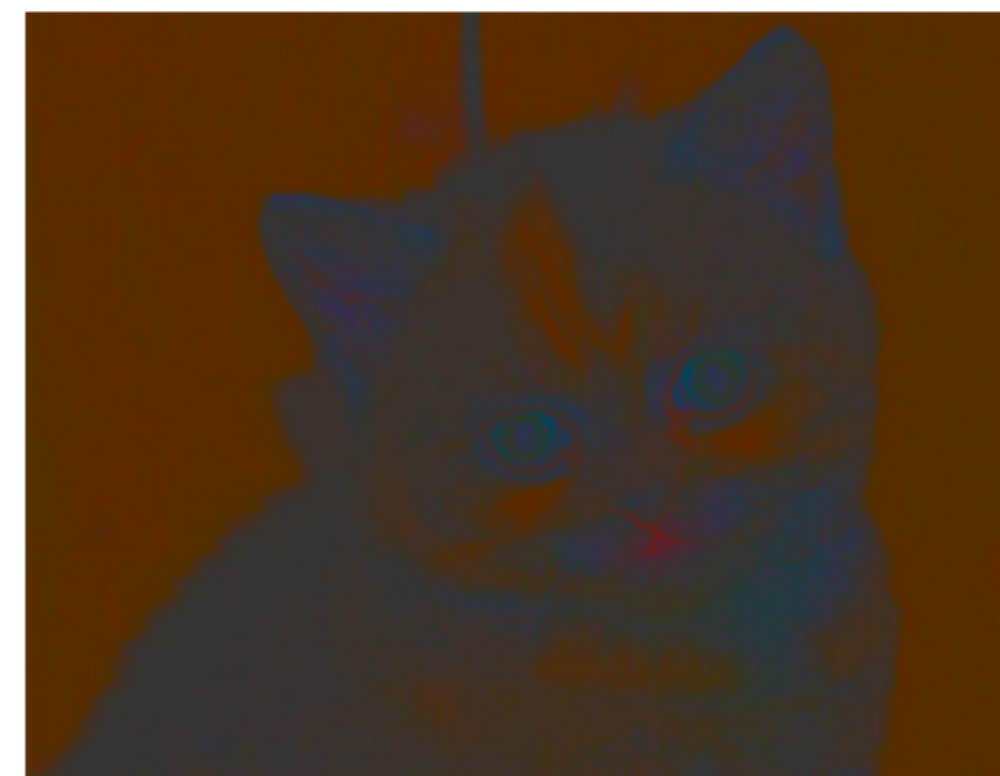
*Hard Light*



*Difference*



*Exclusion*



*Color*



*Luminosity*



# Grid Layout

*TWO-DIMENSIONAL LAYOUT AT ITS FINEST*

# Support

## CSS Grid Layout (level 1) - CR

Method of using a grid concept to lay out content, providing a mechanism for authors to divide available space for layout into columns and rows using a set of predictable sizing behaviors. Includes support for all **grid-\*** properties and the **fr** unit.

Usage	% of all users	
Global	93.77%	+ 1.5% = 95.27%
unprefixed:	93.77%	
No spam regex	90.03%	+ 0.28% = 90.31%
unprefixed:	90.03%	

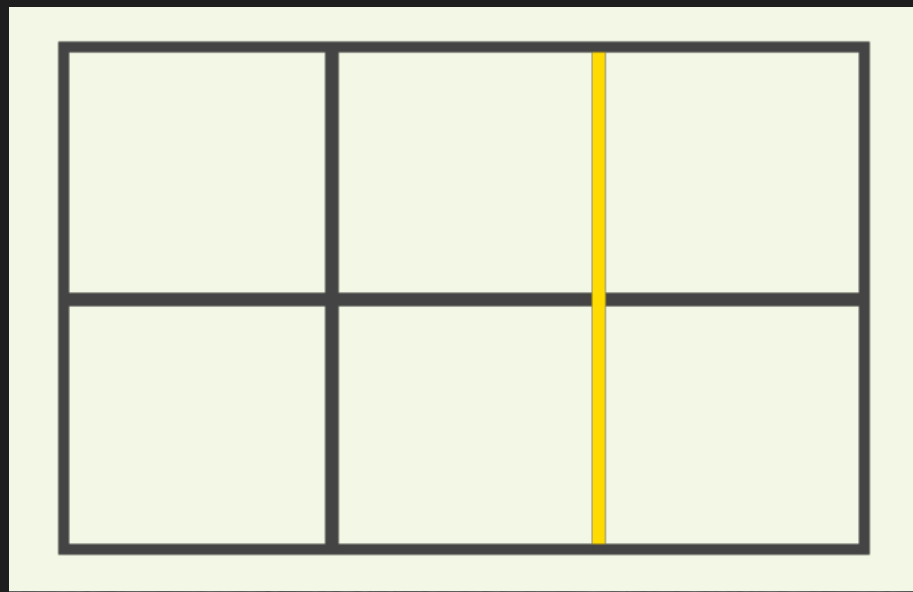
[show more...](#)

**Current aligned** Usage relative Date relative **Apply filters** Show all ?

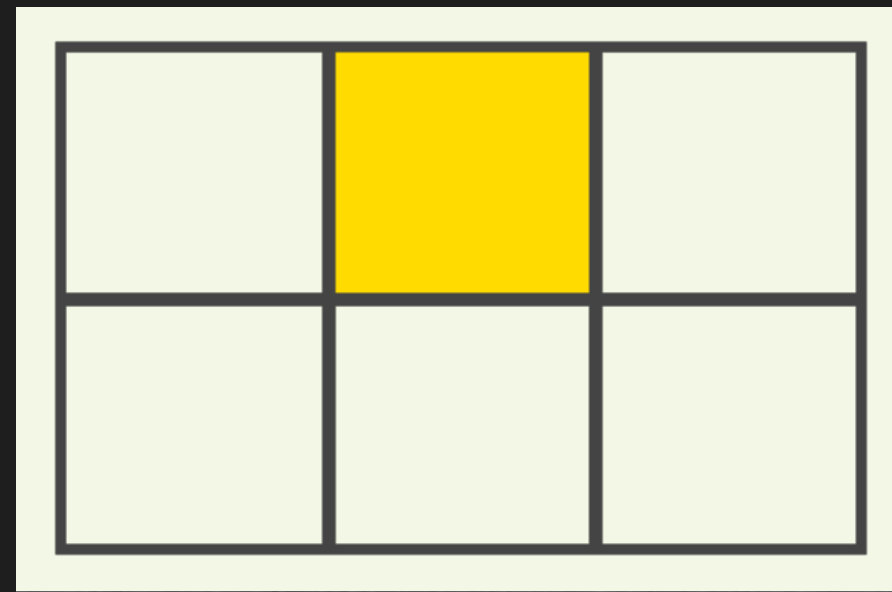
IE	Edge *	Firefox	Chrome	Safari	iOS Safari *	Opera Mini *	Chrome for Android	UC Browser for Android	Samsung Internet
		74			12.4				
	18	75	80	13	13.3				
<sup>2</sup> 11	81	76	81	13.1	13.4	all	81	12.12	11.1
		77	83	TP					
		78	84						
			85						



# Grid Terminology



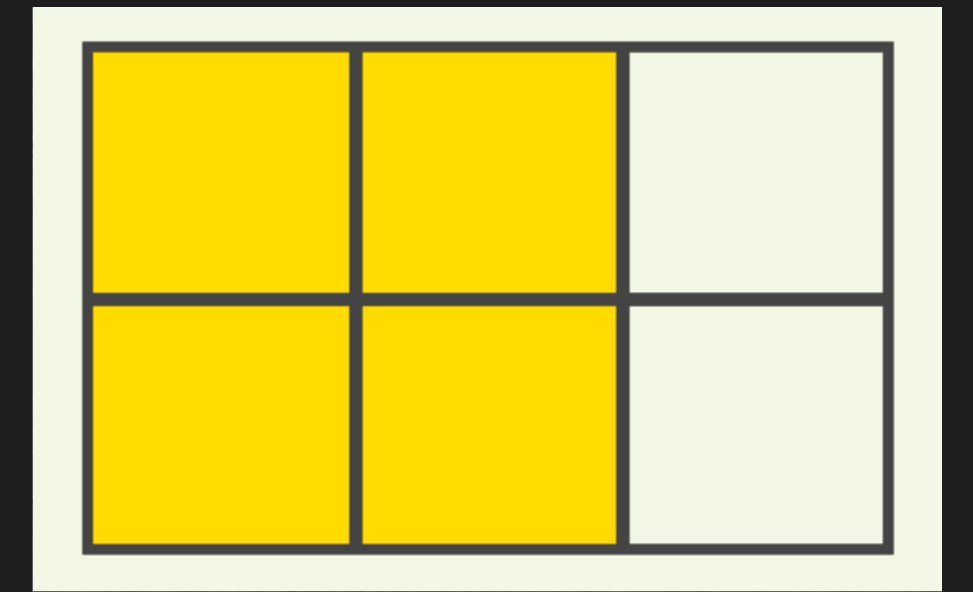
Grid Line



Grid Cell



Grid Track



Grid Area

Item Name

Item Name

This box is slightly longer than the others

Item Name

Item Name

Item Name

Item Name

Item Name

Item Name

Item Name

```
.container {  
    width: 90%;  
    background-color: lightblue;  
    margin: 30px auto;  
}  
.box {  
    background-color: tomato;  
    padding: 10px 20px;  
    margin-bottom: 10px;  
}
```

# Grid Template Construction

```
.container {  
  display: grid;  
  grid-template-columns: 1fr 1fr 1fr;  
  grid-template-rows: 1fr 1fr;  
}
```




# Grid Template Construction

```
.container {  
  // ...  
  grid-template-columns: 100px 1fr 10vw 10%;  
}
```

Item Name	Item Name This box is slightly longer than the others	Item Name
Item Name	Item Name	Item Name
Item Name	Item Name	Item Name

```
.container {  
  display: grid;  
  grid-template-columns: 1fr 1fr  
1fr;  
  grid-gap: 2vw;  
}
```

# Asymmetry in Flex

A photograph of a man with a beard and glasses, wearing a denim jacket, playing a white electric guitar on a stage. A microphone stand is in front of him. The image is overlaid with a semi-transparent green filter.

Promo Space 1

A close-up photograph of a textured, possibly fabric or paper, surface. The image is overlaid with a semi-transparent green filter.

Promo Space 2

A close-up photograph of a person's face, looking down. The image is overlaid with a semi-transparent green filter.

Promo space 3

A photograph of a plate of food, possibly a salad or a dish with vegetables. The image is overlaid with a semi-transparent green filter.

Promo space 4



# Flex solution: HTML


```
<div class="promos">
  <div class="left-column">
    <a href="#" class="promo">Promo Space 1</a>
  </div>
  <div class="right-column">
    <a href="#" class="promo">Promo Space 2</a>
    <div class="columns">
      <a href="#" class="promo">Promo space 3</a>
      <a href="#" class="promo">Promo space 4</a>
    </div>
  </div>
</div>
```

# Flex solution: CSS (a lot)

```
.promos {
  display: flex;
  justify-content: space-between;
}
.promo {
  display: flex;
  justify-content: center;
  align-items: center;
  min-height: 30vh;
}
.column {
  width: calc(50vw - .5rem);
  display: flex;
  flex-direction: column;
}
```

```
.columns {
  display: flex;
  justify-content: space-between;
}
.columns > .promo {
  flex: 1;
}
.columns > .promo:first-child {
  margin-right: 1rem;
}
.right-column > .promo {
  margin-bottom: 1rem;
}
.left-column .promo {
  height: 100%;
}
```

# Asymmetry in Grid!

A photograph of a man with a beard and glasses, wearing a denim jacket, playing a white electric guitar on a stage. A microphone stand is in front of him. The image is overlaid with a semi-transparent green filter.

Promo Space 1

A close-up photograph of a textured, possibly fabric or paper, surface. The image is overlaid with a semi-transparent green filter.

Promo Space 2

A close-up photograph of a person's face, looking down. The image is overlaid with a semi-transparent green filter.

Promo space 3

A photograph of a plate of food, possibly a salad or a dish with vegetables. The image is overlaid with a semi-transparent green filter.

Promo space 4



# Grid solution: HTML

```
<div class="promos">  
  <a href="#" class="promo">Promo Space 1</a>  
  <a href="#" class="promo">Promo Space 2</a>  
  <a href="#" class="promo">Promo space 3</a>  
  <a href="#" class="promo">Promo space 4</a>  
</div>
```

# Grid solution: CSS

```
.promos {  
  display: grid;  
  grid-template-columns: 2fr 1fr 1fr;  
  grid-template-areas: "main second second"  
                      "main third  fourth";  
  grid-auto-rows: minmax(20vh, 1fr);  
  grid-gap: 1rem;  
}
```

```
.promo:first-child {  
  grid-area: main;  
}  
.promo:nth-child(2) {  
  grid-area: second;  
}  
.promo:nth-child(3) {  
  grid-area: third;  
}  
.promo:nth-child(4) {  
  grid-area: fourth;  
}
```

# Learn More

- [Rachel Andrew's Grid By Example](#)
- [Layout Land](#)
- [CSSGrid.io](#)
- [PracticalCSSGrid.com](#)
- [CSS Tricks Complete Guide to Grid](#)
- [Jen Simmons' Lab](#)



# CSS Shapes

*MAKING FLOATING IMAGES INTERESTING AGAIN*

# Support *(USE BUT DON'T DEPEND ON)*

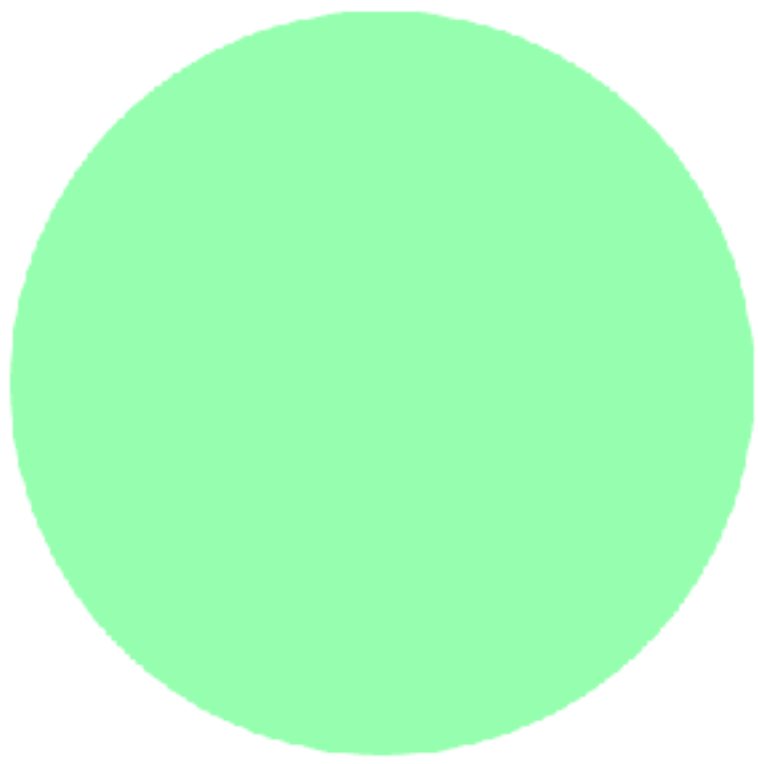
## CSS Shapes Level 1 - CR

Allows geometric shapes to be set in CSS to define an area for text to flow around. Includes properties `shape-outside`, `shape-margin` and `shape-image-threshold`

Usage	% of all users	?
Global	93%	
unprefixed:	92.59%	
No spam regex	89.56%	
unprefixed:	89.46%	
<a href="#">show more...</a>		

**Current aligned** Usage relative Date relative **Apply filters** Show all ?

IE	Edge *	Firefox	Chrome	Safari	iOS Safari *	Opera Mini *	Chrome for Android	UC Browser for Android	Samsung Internet
		74			12.4				
	18	75	80	13	13.3				
11	81	76	81	13.1	13.4	all	81	12.12	11.1
		77	83	TP					
		78	84						
			85						



## (CIRCLE) How do you like CSS now?

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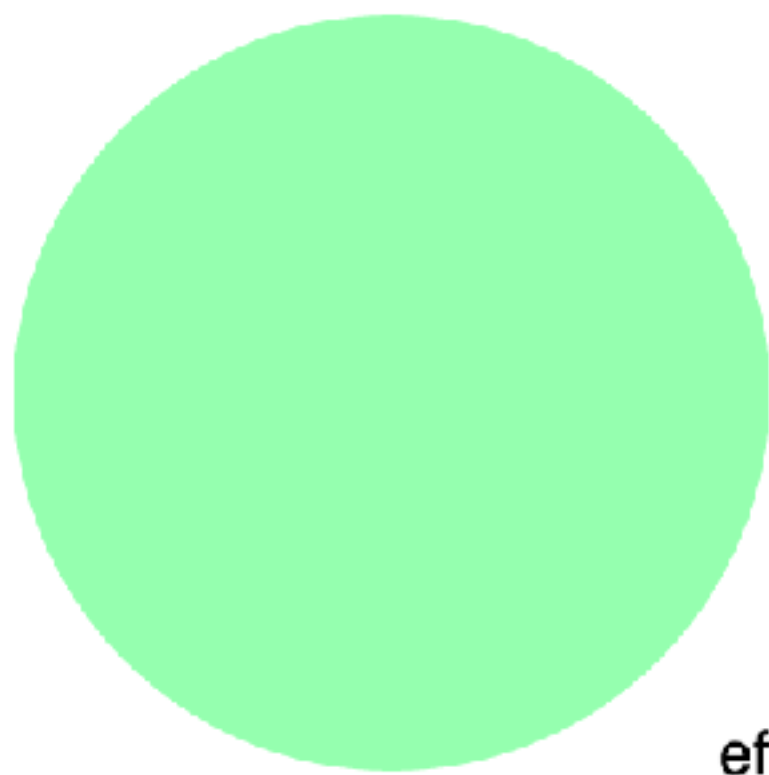
```
<main class="container angled">  
  <div class="circle"></div>
```

```
<h1></h1>  
<p>...</p>  
<p>...</p>  
<p>...</p>  
</main>
```



`shape-outside(circle, polygon, url, content-box)`

*SHAPE-INSIDE COMING IN LEVEL 2*



## (CIRCLE) How do you like CSS now?

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```
.circle {  
  float: left;  
  height: 15vw;  
  width: 15vw;  
  background-color: limegreen;  
  border-radius: 50%;  
  
  shape-outside: circle();  
}
```

# (POLYGON) How do you like CSS now?

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```
<main class="container angled">
  <div class="polygon"></div>
  <h1></h1>
  <p>...</p>
  <p>...</p>
  <p>...</p>
</main>
```



# (POLYGON) How do you like CSS now?

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```
.polygon {  
  float: left;  
  width: 200px;  
  height: 400px;  
  shape-outside: polygon(22% 0,  
23% 18%, 79% 25%, 90% 36%, 66%  
56%, 75% 80%, 28% 101%, 45% 60%,  
45% 40%);  
}
```





## (IMAGE) How do you like CSS?

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```
<main class="container angled">  
    
  <h1></h1>  
  <p>...</p>  
  <p>...</p>  
  <p>...</p>  
</main>
```



## (IMAGE) How do you like CSS?

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```
img {  
  float: left;  
  shape-outside: url(mask.png);  
  shape-margin: 10px;  
}
```



# (MULTIPLE) How do you like CSS now?

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc efficitur sollicitudin felis vel gravida. Suspendisse aliquet tellus dictum, faucibus eros vel, mattis orci. Vivamus luctus sed dolor vitae finibus. Nunc in libero non augue egestas molestie id ut sapien.

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```
<main class="container angled">
  <aside class="left"></aside>
  <aside class="right"></aside>
  <h1></h1>
  <p>...</p>
  <p>...</p>
  <p>...</p>
</main>
```

# (MULTIPLE) How do you like CSS now?

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```
.left {  
  float: left;  
  width: 20%;  
  height: 730px;  
  shape-outside: polygon(50% 0%,  
100% 50%, 50% 100%, 0% 50%);  
}
```

```
.right {  
  float: right;  
  width: 20%;  
  height: 730px;  
  shape-outside: polygon(50% 0%,  
100% 50%, 50% 100%, 0% 50%);  
}
```

**Explore More**



# Explore More

- [Initial Letter](#)
- [CSS Transforms](#)
- [Object-Fit](#)
- [CSS Filters](#)
- [Clip Path](#)

# No Shame in Templates

*BUT UNDERSTAND WHAT THE TEMPLATE DOES AND HOW TO BREAK OUT*

# CSS is Powerful

*LEARN A FEW THINGS AND MAKE INTERESTING DESIGNS*



# Start Today

*YOU DON'T HAVE TO WAIT FOR 100% BROWSER ADOPTION*

***WAIT A SECOND!***

**No More “Fallbacks”**

*WRITE SUPPORT-FIRST CSS AND FALL FORWARD INTO THE NEW*

# Support our Asymmetry

```
.promos {
  display: flex;
  justify-content: space-between;
}

.promo {
  width: calc(50% - .5rem);
  margin-bottom: 1rem;
}

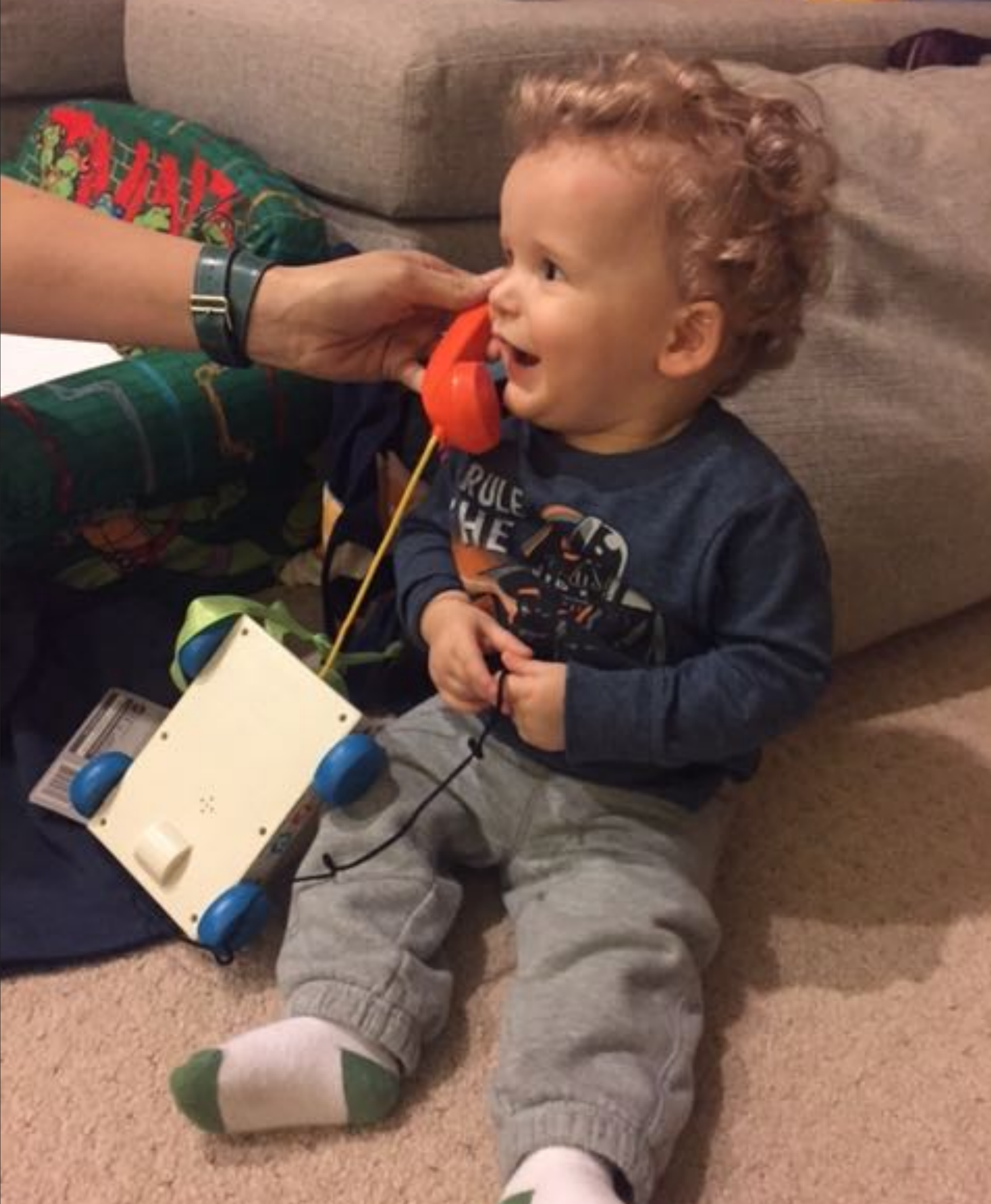
@supports (display: grid) {
  .promo {
    width: 100%;
    margin-bottom: 0;
  }
  /* The rest of our grid code */
}
```



# Homework

*LEARN ONE NEW LAYOUT AND ONE NEW STYLE PROPERTY*

*THEN TWEET AT ME (@BROB) TO LET ME KNOW WHAT YOU PICKED*



# I'd love to help you

- <http://bryanlrobinson.com>
- Twitter: [@brob](https://twitter.com/brob)
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