

CSS Laid Out

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y order orphans outline outline-color outline-offset outline-style outline-width overflow overflow-style o
overflow-x overflow-y padding padding-bottom padding-left padding-right padding-top page page-break-after page

Hello

Who am I?

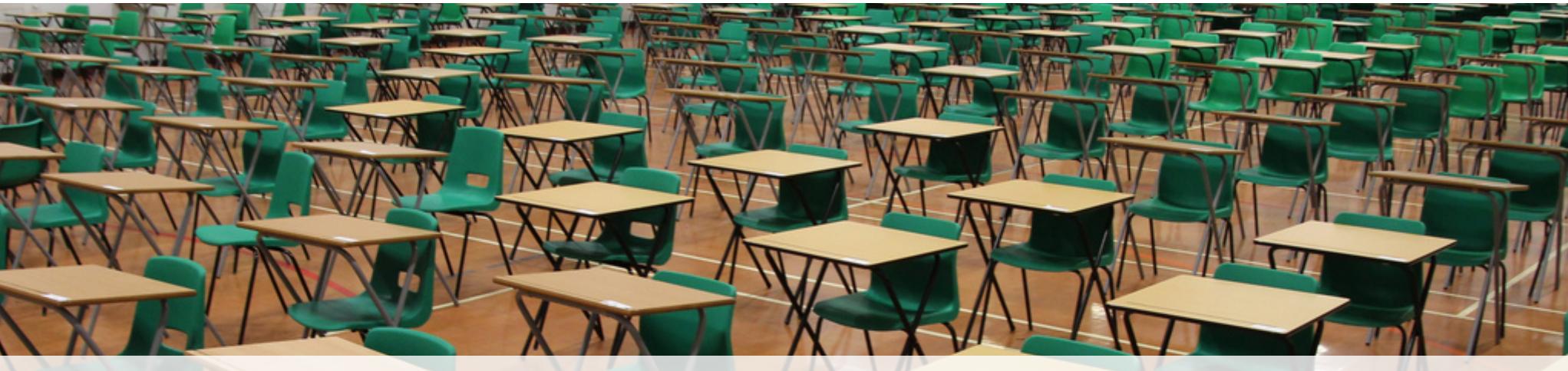


Phil Nash
@philnash

MINTDIGITAL

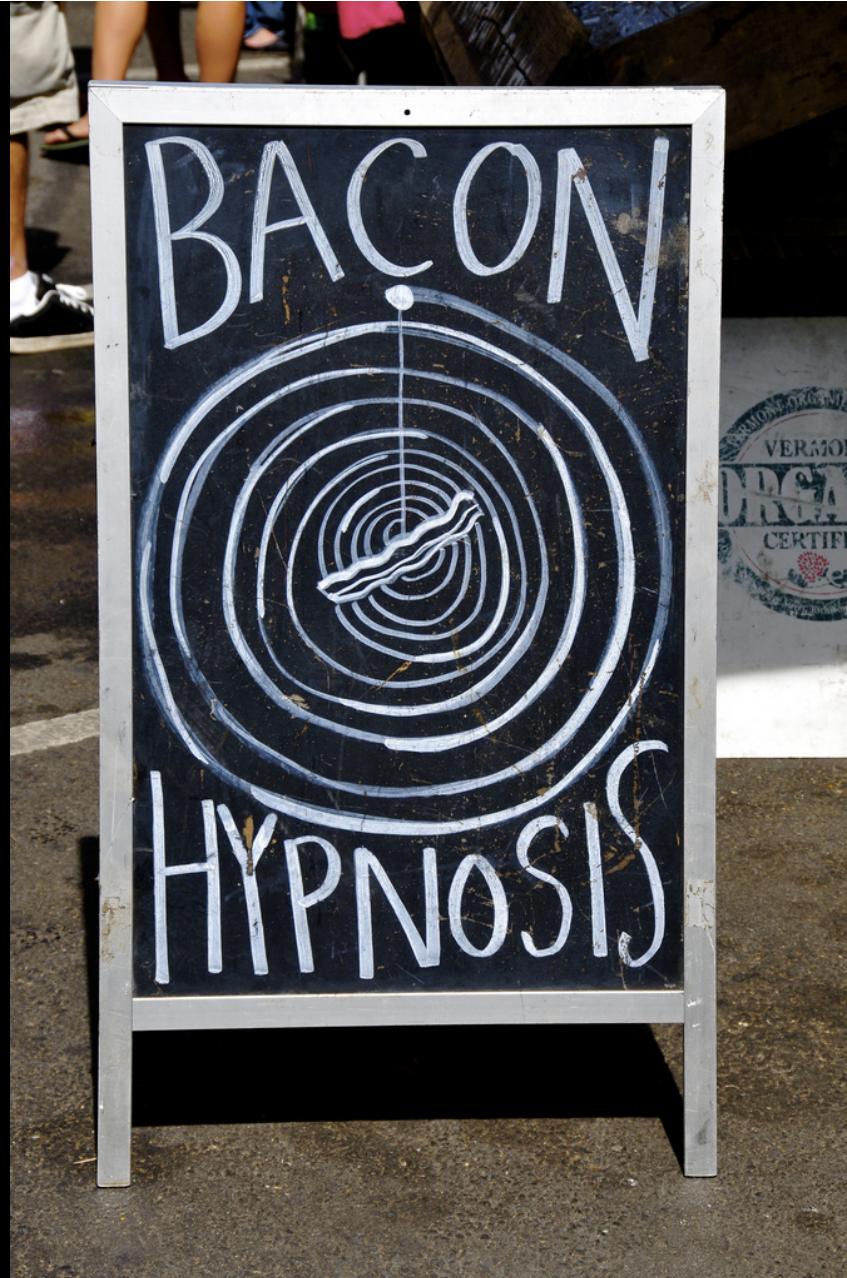
I am not a designer

CSS Laid Out



Tables





Modern CSS layout methods

- Floats

Floats



All we really wanted to do with floats was have our text flow around images. Probably images of cats, since we're on

the Internet. This cat, for example, is pretty fat. He looks lazy too, but he doesn't care. Being a cat is a good life if you can get it. Purrrrfct.

Modern CSS layout methods

- Floats
- Tables
- Flexbox
- Grids



FLOATS

A screenshot of a web browser window displaying the Bootstrap fluid template example at twitter.github.com/bootstrap/examples/fluid.html. The browser title bar reads "B Bootstrap, from Twitter". The page has a dark header with "Project name" and navigation links for "Home", "About", and "Contact". A "Logged in as Username" message is also present. The main content area features a sidebar on the left with three sections labeled "SIDEBAR" each containing a "Link" item. The central area contains a large hero unit with a dark background and white text, featuring a large "Hello, world!" heading and a descriptive paragraph. Below the hero unit is a blue "Learn more »" button. The main content area below the hero unit is divided into three columns, each containing a "Heading" section, a paragraph of text, and a "View details »" button.

SIDE BAR

Link

Link

Link

SIDE BAR

Link

Link

Link

Link

Link

Link

SIDE BAR

Link

Link

Link

Hello, world!

This is a template for a simple marketing or informational website. It includes a large callout called the hero unit and three supporting pieces of content. Use it as a starting point to create something more unique.

[Learn more »](#)

Heading

Donec id elit non mi porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus. Etiam porta sem malesuada magna mollis euismod. Donec sed odio dui.

[View details »](#)

Heading

Donec id elit non mi porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus. Etiam porta sem malesuada magna mollis euismod. Donec sed odio dui.

[View details »](#)

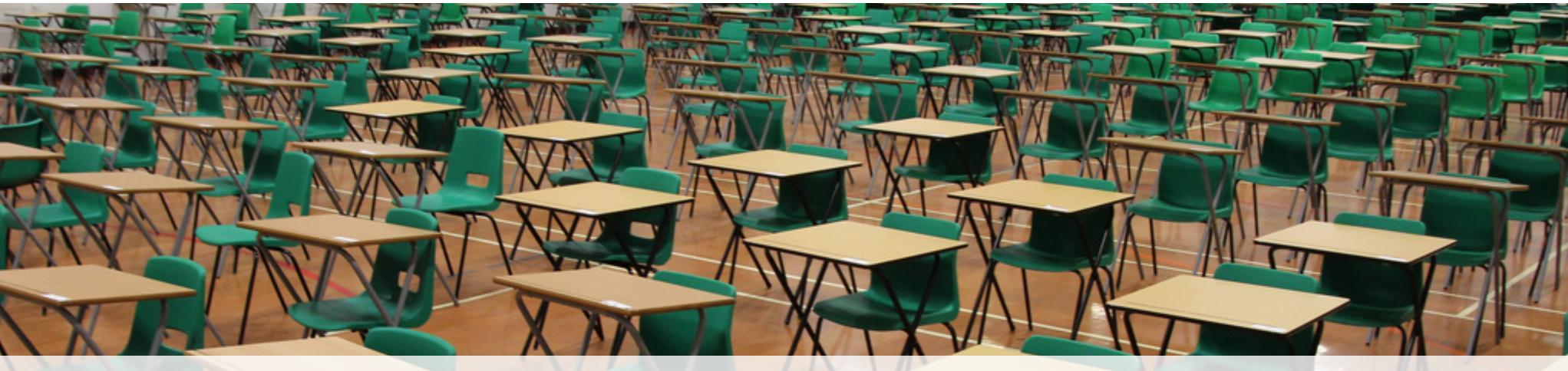
Heading

Donec id elit non mi porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus. Etiam porta sem malesuada magna mollis euismod. Donec sed odio dui.

[View details »](#)

Demo





Tables



display:table

# CSS Table display - Recommendation							*Usage stats:	Global	
	IE	Firefox	Chrome	Safari	Opera	iOS Safari	Opera Mini	Android Browser	Blackberry Browser
								2.1	
								2.2	
						3.2	2.3		
						4.0-4.1	3.0		
8.0	16.0					4.2-4.3	4.0		
9.0	17.0	23.0		5.1		5.0-5.1	4.1		
Current	10.0	18.0	24.0	6.0	12.1	6.0	5.0-7.0	4.2	7.0
Near future		19.0	25.0		12.5				10.0
Farther future		20.0	26.0						

Notes Known issues (1) Resources (3) Feedback [Edit on GitHub](#)

No notes

CSS Table display - Recommendation

*Usage stats:

Support:

Global

93.78%

Method of displaying elements as tables, rows, and cells

	IE	Firefox	Chrome	Safari	Opera	iOS Safari	Opera Mini	Android Browser	Blackberry Browser	Opera Mobile	Chrome for Android	Foxit for Android
20 versions back			4.0									
19 versions back			5.0									
18 versions back		2.0	6.0									
17 versions back		3.0	7.0									
16 versions back		3.5	8.0									
15 versions back		3.6	9.0									
14 versions back		4.0	10.0									
13 versions back		5.0	11.0									
12 versions back		6.0	12.0									
11 versions back		7.0	13.0									
10 versions back		8.0	14.0		9.0							
9 versions back		9.0	15.0		9.5-9.6							
8 versions back		10.0	16.0		10.0-10.1							
7 versions back		11.0	17.0		10.5							
6 versions back		12.0	18.0		10.6			2.1				
5 versions back	5.5	13.0	19.0	3.1	11.0			2.2				
4 versions back	6.0	14.0	20.0	3.2	11.1	3.2		2.3		10.0		
3 versions back	7.0	15.0	21.0	4.0	11.5	4.0-4.1		3.0		11.0		
2 versions back	8.0	16.0	22.0	5.0	11.6	4.2-4.3		4.0		11.1		
Previous version	9.0	17.0	23.0	5.1	12.0	5.0-5.1		4.1		11.5		
Current	10.0	18.0	24.0	6.0	12.1	6.0	5.0-7.0	4.2	7.0	12.0	18.0	15.0
Near future		19.0	25.0		12.5					10.0	12.1	
Farther future		20.0	26.0									

Notes

Known issues (1)

Resources (3)

Feedback

Edit on GitHub

No notes

display:table

```
display:table;  
display:table-row;  
display:table-cell;
```

Demo

Issues

- Divs that look like tables
- Different behaviours of table cells
- Tables aren't very responsive

Further reading

[Everything you know about CSS is wrong](#) – Rachel Andrew



Flexbox

Flexbox

```
01. .container{  
02.     display:flex;  
03. }
```

Flexbox

```
01. .container{  
02.     display:flex;  
03.     flex-direction:row / row-reverse /  
04.             column / column-reverse;  
05. }
```

Flexbox

```
01. .container{  
02.     display:flex;  
03.     justify-content: flex-start / flex-end / center /  
           space-around / space-between;  
04. }
```

Flexbox

```
01. .container{  
02.     display:flex;  
03.     align-items: flex-start / flex-end / center /  
                  baseline / stretch;  
04. }
```

Demo

Flexible Box Layout Module - Candidate Recommendation

Method of positioning elements in horizontal or vertical stacks.

*Usage stats:		Global
Support:	30.11%	
Partial support:	35.86%	
Total:	65.97%	

Show all versions	IE	Firefox	Chrome	Safari	Opera	iOS Safari	Opera Mini	Android Browser	Blackberry Browser
								2.1 -webkit-	
								2.2 -webkit-	
						3.2 -webkit-		2.3 -webkit-	
						4.0-4.1 -webkit-		3.0 -webkit-	
	8.0	16.0 -moz-				4.2-4.3 -webkit-		4.0 -webkit-	
	9.0	17.0 -moz-	23.0 -webkit-	5.1 -webkit-		5.0-5.1 -webkit-		4.1 -webkit-	
Current	10.0 -ms-	18.0 -moz-	24.0 -webkit-	6.0 -webkit-	12.1	6.0 -webkit-	5.0-7.0	4.2 -webkit-	7.0 -webkit-
Near future		19.0 -moz-	25.0 -webkit-		12.5				10.0 -webkit-
Farther future		20.0	26.0 -webkit-						

Notes

Known issues (1)

Resources (5)

Feedback

Edit on GitHub

Partial support refers to supporting an [older version](#) of the specification or an [older syntax](#).

Further reading

- [Getting Boxfresh with Flexbox](#) – Anthony Killeen
- [Flexbox – fast track to layout nirvana?](#) – Chris Mills
- [Using CSS flexible boxes](#) – MDN



Grids



CSS Grid Layout - Working Draft

*Usage stats:

Global

Support:

0.54%

Method of using a grid concept to lay out content, providing a mechanism for authors to divide available space for lay out into columns and rows using a set of predictable sizing behaviors

Show all versions	IE	Firefox	Chrome	Safari	Opera	iOS Safari	Opera Mini	Android Browser	Blackberry Browser
						2.1			
						2.2			
						3.2	2.3		
						4.0-4.1	3.0		
	8.0	16.0				4.2-4.3	4.0		
	9.0	17.0	23.0	5.1		5.0-5.1	4.1		
Current	10.0	-ms-	18.0	24.0	6.0	6.0	5.0-7.0	4.2	7.0
Near future			19.0	25.0		12.5			10.0
Farther future			20.0	26.0					

Notes

Known issues (0)

Resources (4)

Feedback

Edit on GitHub

No notes

Grids

```
01. .container{  
02.     display:grid;  
03.     grid-columns: 3fr 1fr;  
04. }
```

Grids

```
01. .container{  
02.     display:grid;  
03.     grid-columns: (3fr 1fr)[11] 3fr;  
04. }
```

Grids

```
01. .grid-element{  
02.     grid-column:1;  
03.     grid-row:1;  
04.     grid-column-span:5;  
05.     grid-row-span: 3;  
06. }
```

Demo

Issues

- Support (*obvs*)
- Difficult to apply to variable lengths of items (use other techniques instead, like flexbox)

Use it now?

Of course! Windows 8 apps!

Further reading

[Giving Content Priority with CSS3 Grid Layout](#) – Rachel Andrew

What to do?

- Use display:table now! (if you like tables)
- Try flexbox, try grids, they are real now and they are the future

Thank you

Image credits

- comedy_nose <http://www.flickr.com/photos/comedynose/6766568985/>
- brokinhrt2 <http://www.flickr.com/photos/dq090702/2836742849/>
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Phil Nash
@philnash

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Questions?