

WHY YOU SHOULD BE EXCITED ABOUT CSS SHAPES

By [Chen Hui Jing](#) / [@hj_chen](#)

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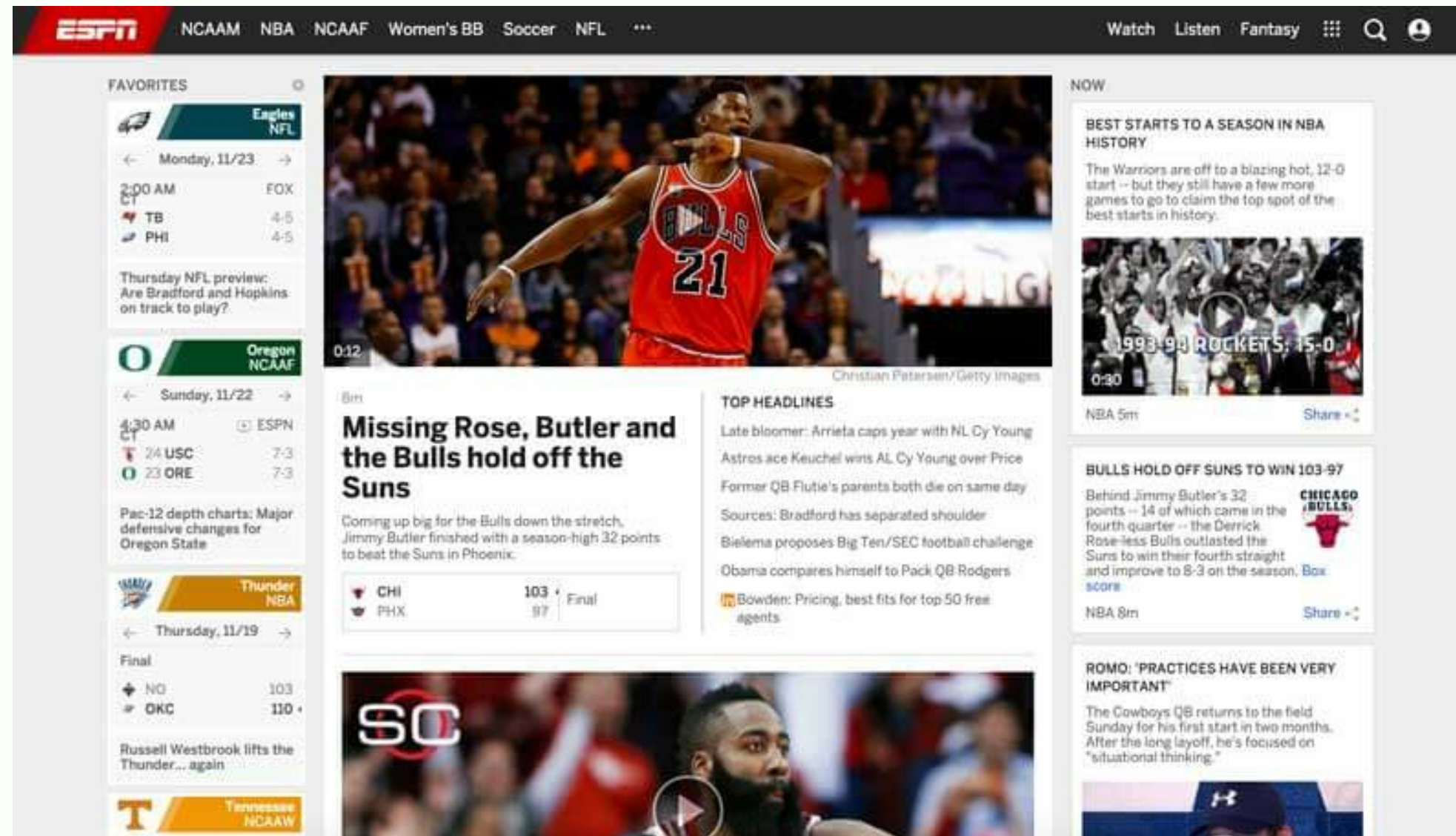
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THEN, CAME FLOATS. AND NOW MOST OF OUR SITES LOOK LIKE THIS:



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Street Fighter 5 Interview: Yoshinori Ono on DLC Plans, Beta Woes, and Xbox One Fans

Producer is joined by Matt Dahlgren to discuss big changes to Capcom's flagship franchise.



Star Wars Battlefront Review

7



GS News - Deus Ex: Mankind Divided Delayed; Ex-Uncharted Dev Defends Microtransactions!



The Worst Movie Tie-In Games In 2 Minutes



Watch Idris Elba Explain Rainbow Six Siege's Destruction Gameplay in New Trailers



Fallout 4's Junk Jet - Everything You Need to Know



Call of Duty: Black Ops III Beer Taste Test

RECENT



Star Wars Battlefront Review

Star Wars Battlefront brings grand spectacle to the iconic sci-fi universe, but the overall experience wears thin with time.

2 days, 57 minutes ago

POPULAR



7
GOOD



Street Fighter 5 Interview: Yoshinori Ono on DLC Plans, Beta Woes, and Xbox One Fans

Producer is joined by Matt Dahlgren to discuss big changes to

TOP UPCOMING GAMES

OVERALL ▾

1 The Legend of Zelda Wii U
Coming 2016

2 Naruto Shippuden: Ultimate Ninja Storm 4
Coming Feb 9, 2016

3 For Honor
Unknown Release Date

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Stunning spectacle and authenticity compensate for dead weight.

[Read](#)

Star Wars Battlefront Launch Hong Kong



Naughty Dog in Familiar Waters for Uncharted 4 Multiplayer



What is Media Molecule's Dreams is All About?



Shuhei Yoshida Talks VR

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George Lucas on Why He'll Never Direct Another Star Wars Movie

News - 27 minutes The heaps of criticism leveled at his work is a major reason why the director will never return. [Read More](#)

0 Comments



Overwatch Beta Opens to More Players This Weekend

News - 47 minutes For a limited time, Blizzard is inviting additional gamers to stress test its team-based shooter. [Read More](#)

0 Comments



The 10 Things You Forgot About Power Rangers' First Episode

Feature - 1 hour, 17 minutes Does the first episode of Mighty Morphin Power Rangers hold up when you look at it today? Here's ten things you probably forgot about the pilot. [Read More](#)

0 Comments

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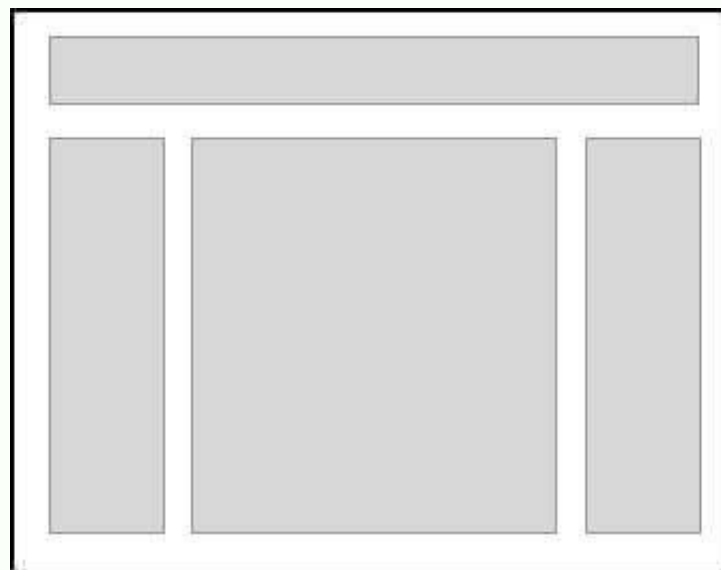
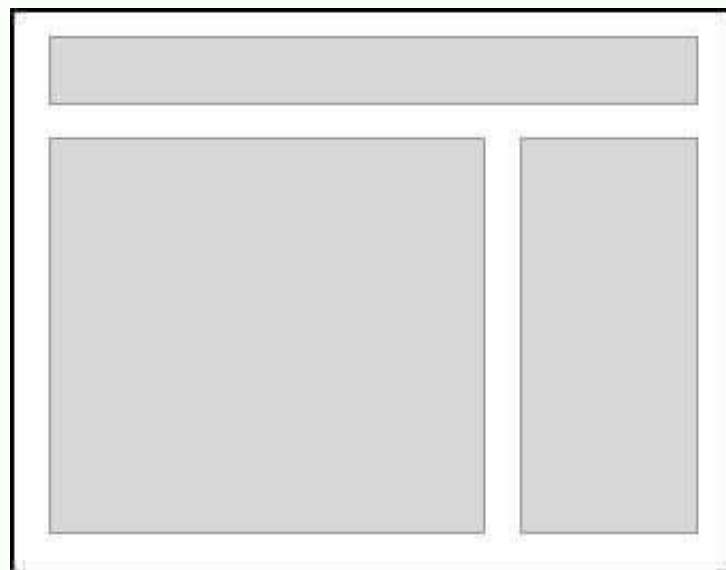
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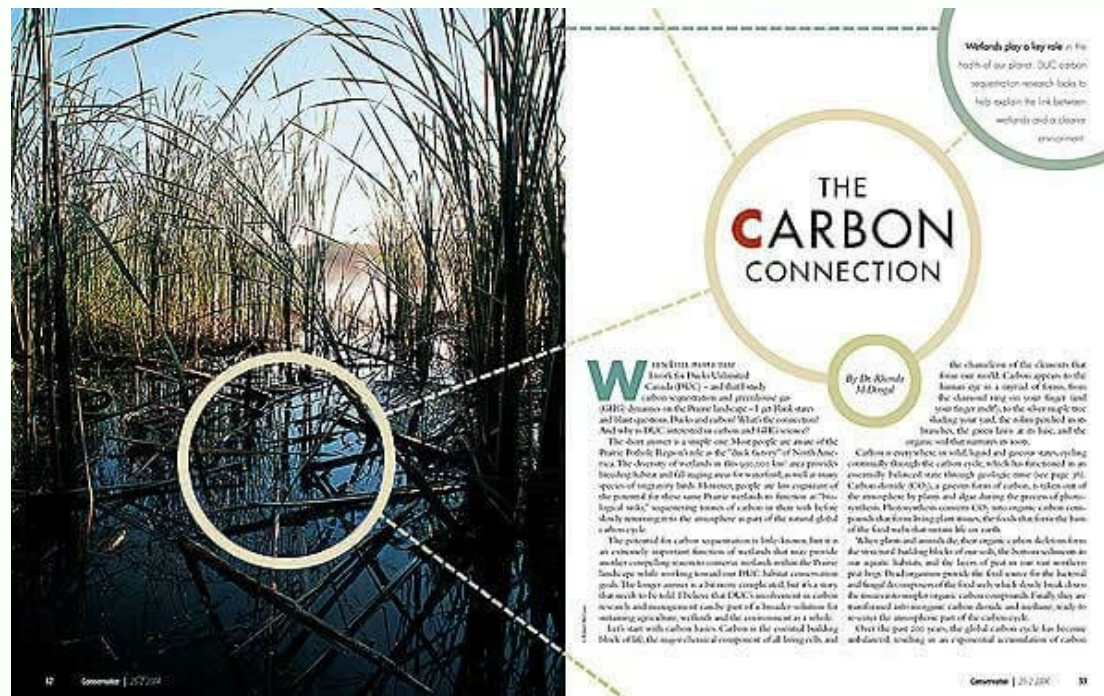
[Out Now](#)

1	Metal Gear Solid V: The Phantom	10
2	Fallout 4	9.5
3	Need for Speed	6.3
4	Rise of the Tomb Raider	9.3
5	Assassin's Creed Syndicate	8.2
6	Until Dawn	7.5
7	Yo-Kai Watch	7.2
8	Lara Croft Go	8.5
9	Batman: Arkham Knight	8.8

LOTS OF VARIATIONS OF STACKED RECTANGLES...



LET'S LOOK AT SOME MAGAZINE LAYOUTS...



HER LOOK

Today's women are looking for themselves in what fashion is all about. Yesterday we looked for inspiration in magazines. Today we look to each other. We are more drawn out in our thinking about fashion into personal style pieces to be something different for everyone. So, what is personal style? Is it a time brand? Is it guard against a time period you feel you should have been born in? Or, is it to simply be wearing something you're comfortable being in? Today we look to these three women who are defining their own personal style, how would you describe your own style?

Gemma
Style Icon:
Blossom
Dream Purchase:
Margick wedges



fadetoblock
My style, I actually have been trying to figure it out because I never really thought about it before. I just wore what I liked but I think I've figured it out and would say it's a mix between rock and hippie. I love rock style and hippie style was equally. I am in love with piling on the Boho jewelry and a hippie silhouette inspired from the 1970s but at the same time I love to wear black leather and expand that as well as my love taken from rock inspired on from the 1980's. I'm just say my style is hippie rock & for now."

Shoes:

Demi
Style Icon:
Framme in Ali
Dream Purchase:
Mahimahi Crocs jacket

chicmuse

I love to wear clothes that feel like that I consider I am identical with and that are elegant and that but comfortable. I especially love tight, bodysuits, loose things, skirts, dresses, blouses, blazers, and white tank tops. What I consider important about my style is that I have to feel like when I dress myself, I don't like to put "too much" on me (there is a limit line, I have red lips)

Shoes:

Shoes:



style scrapbook

I think personal style is like your personal business card. It shows a lot about your personality and who you are. I don't have a style. I love playing around with trends, shapes and colors. You can see me wearing anything from skinny jeans and a multi-bomber jacket to a flower print dress and a bra in my hair. I don't like limiting myself and the best way to figure out your style is by experimenting with different things."

Andy
Style Icon:
Framme in Ali
Dream Purchase:
ACNE Ancona wedges

BUT ON THE WEB, WE WERE STUCK WITH THIS:



Beyoncé is ready to receive you now. From the chair where she's sitting, in the conference room of her sleek office suite in midtown Manhattan, at a round table elegantly laden with fine china, crisp cloth napkins, and take-out sushi from Nobu, she could toss some edamame over her shoulder and hit her sixteen Grammys, each wall-mounted in its own Plexiglas box.

She is luminous, with that perfect smile and smooth coffee skin that shines under a blondish topknot and bangs. Today she's showing none of the bodaciously thick, hush-your-mouth body that's on display onstage, in her videos, and on these pages.

This is Business Beyoncé, hypercomposed Beyoncé—fashionable, elegant, in charge. She's wearing the handiwork of no fewer than seven designers, among them Givenchy (the golden pin at her neck), Day Birger et Mikkelsen (her dainty gray-pink petal-collar blouse), Christian Louboutin (her pink five-inch studded heels), and Isabel Marant (her floral pants).

NOT ANY MORE :)



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SOME BACKGROUND



My name is Chen Hui Jing.

Self taught designer and developer.

Work at Nurun Singapore.

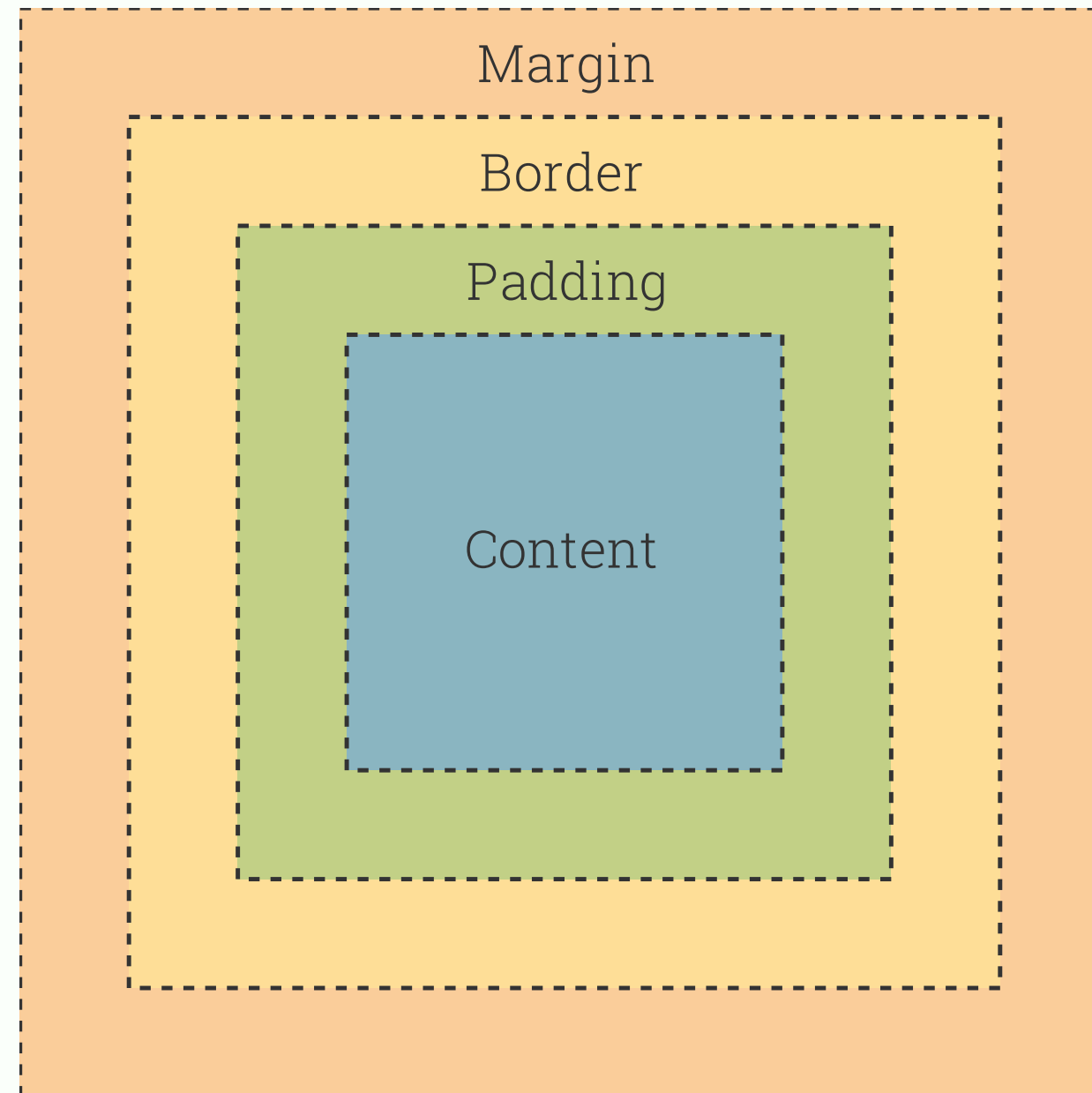
Write blog posts from time to time.



CSS SHAPES (LEVEL 1)

- shape-outside CSS property
- Defines the float area for inline content to wrap around the shape instead of the float's bounding box.

LET'S TALK ABOUT THE BOX MODEL



ON BOX MODELS AND FLOATS

Shape is clipped to margin-box

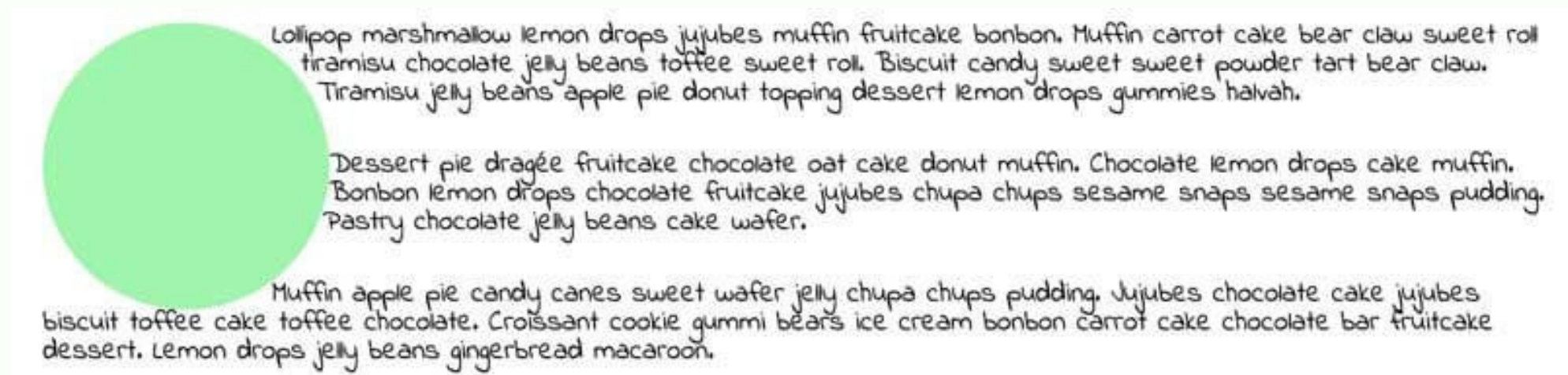
Can only ever reduce the float area

Wrapping only occurs on one side (for now)

4 BASIC SHAPE FUNCTIONS

- The circle() function
- The ellipse() function
- The inset() function
- The polygon() function

THE CIRCLE() FUNCTION



```
.circle {  
  /* general styles for the div*/  
  width: 200px;  
  height: 200px;  
  background-color: #A4F4B0;  
  border-radius: 50%;  
  
  /* make it a shape!*/  
  shape-outside: circle();  
  float: left;  
}
```

BASIC SYNTAX

```
shape-outside: circle( [<shape-radius>]? [at <position>]? )
```

shape-radius takes any CSS length.

position refers to the x, y coordinates, which default to the centre of the element, (0, 0).

THE ELLIPSE() FUNCTION



Donut jelly toffee macaroon macaroon. Cookie sesame snaps chupa chups. Lollipop jelly lollipop brownie pastry gummi bears.

Gummi bears apple pie chupa chups jelly pie halvah pastry sweet. Cookie dessert sweet roll icing cheesecake macaroon wafer cheesecake. Toffee lemon drops apple pie fruitcake sweet roll chocolate cake jelly bear claw jelly. Donut tiramisu chocolate cake sesame snaps marshmallow tootsie roll candy canes cheesecake cotton candy.

Muffin halvah toffee danish biscuit apple pie danish jelly halvah. Sweet sweet roll candy donut wafer brownie. Tootsie roll sesame snaps gingerbread marzipan. Candy canes marshmallow bonbon.

```
.ellipse {  
  width: 100px;  
  height: 200px;  
  background-color: #A4F4B0;  
  border-radius: 50%;  
  
  shape-outside: ellipse();  
  float: left;  
}
```

BASIC SYNTAX

```
shape-outside: ellipse( [<shape-radius>{2}]? [at <position>]? )
```

shape-radius takes in 2 variables, length of radius along the x-axis and along the y-axis.

position refers to the x, y coordinates, which default to the centre of the element, (0, 0).

THE INSET() FUNCTION



```
.inset {  
  width: 200px;  
  height: 160px;  
  background-color: #A4F4B0;  
  border-radius: 50px;  
  
  shape-outside: inset(0px round 50px);  
  float: left;  
}
```


BASIC SYNTAX

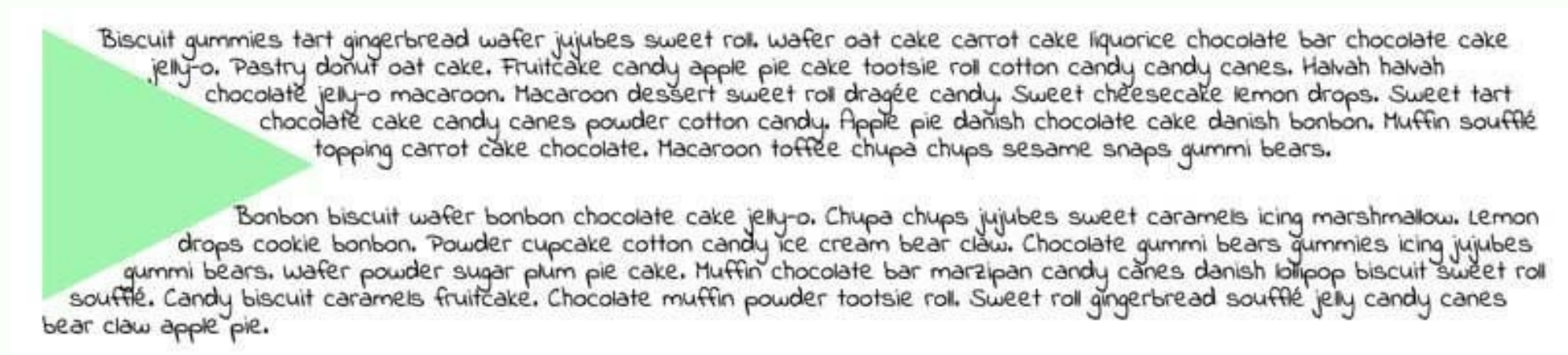
```
shape-outside: inset( <shape-arg>{1,4} [round <border-radius>]? )
```

shape-arg syntax is similar to margin or padding: top, right, bottom, left.

Inset is applied from the edge of the element inwards toward the centre.

border-radius is optional.

THE POLYGON() FUNCTION



```
.polygon {  
  width: 200px;  
  height: 200px;  
  clip-path: polygon(0 0, 0 200px, 200px 100px);  
  background-color: #A4F4B0;  
  
  shape-outside: polygon(0 0, 0 200px, 200px 100px);  
  float:left;  
}
```

BASIC SYNTAX

```
shape-outside: polygon( [<fill-rule>,<fill-rule>? [<shape-arg> <shape-arg>]# )
```

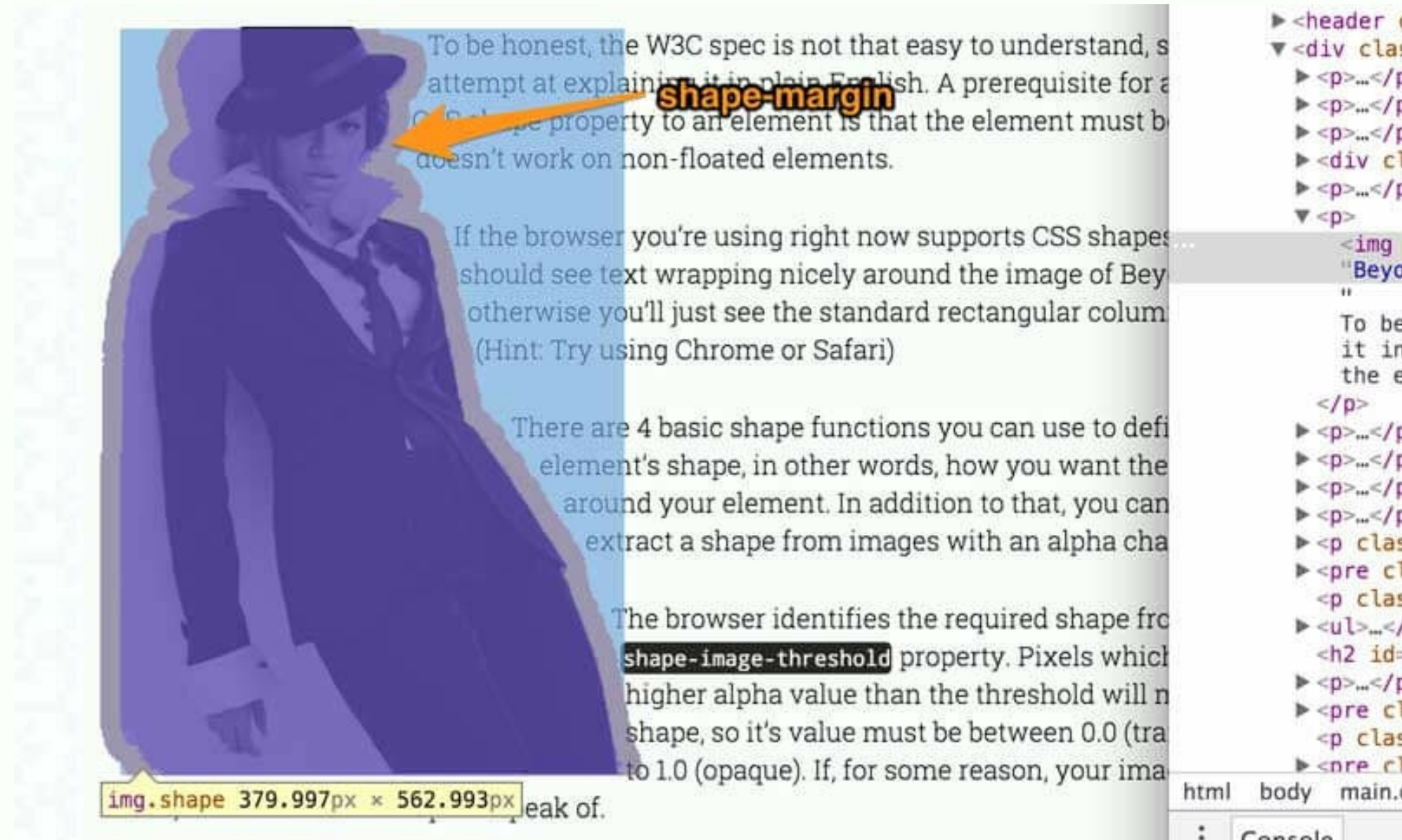
fill-rule is optional, default value is nonzero.

Create your polygon using clip-path.

For complex shapes, try using the [CSS Shapes Editor for Chrome](#) extension.

USE AN IMAGE WITH ALPHA PROPERTIES

```
.shape {  
    shape-outside: url("path/to/nicely-cropped-image.png");  
    shape-image-threshold: 0.5;  
    shape-margin: 10px;  
    float: left;  
}
```



img.shape 379.997px * 562.993px

To be honest, the W3C spec is not that easy to understand, so I will attempt at explaining it in plain English. A prerequisite for a **shape-margin** property to an element is that the element must be floated. It doesn't work on non-floated elements.

If the browser you're using right now supports CSS shapes, you should see text wrapping nicely around the image of Beyoncé. Otherwise you'll just see the standard rectangular column. (Hint: Try using Chrome or Safari)

There are 4 basic shape functions you can use to define an element's shape, in other words, how you want the element to look around your element. In addition to that, you can also extract a shape from images with an alpha channel.

The browser identifies the required shape from `shape-image-threshold` property. Pixels which higher alpha value than the threshold will n shape, so it's value must be between 0.0 (tra to 1.0 (opaque). If, for some reason, your ima

```

▶ <header <
▼ <div clas
  ▶ <p>...</p>
  ▶ <p>...</p>
  ▶ <p>...</p>
  ▶ <div cl
  ▶ <p>...</p>
  ▼ <p>
    <img
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    <p clas
  ▶ <ul>...</
    <h2 id=
  ▶ <p>...</p>
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```

html body main.0

shape-image-threshold defines the float area, and ranges from 0.0 (transparent) to 1.0 (opaque).

CAN I USE...CSS SHAPES?





CSS Shapes Level 1 - CR

Global 55.99%

Allows geometric shapes to be set in CSS to define an area for text to flow around.

unprefixed: 47.35%

Current aligned Usage relative Show all

IE	Edge *	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
								4.1	
8			43					4.3	
9		40	44					4.4	
10	12	41	45	8 	32	8.4 		4.4.4	
11	13	42	46	9 	33	9.1 	8	44	46
	14	43	47		34				
		44	48		35				
		45	49						

Notes Known issues (0) Resources (7) Feedback

MS Edge status: Under Consideration

¹ Enabled in Chrome through the "experimental Web Platform features" flag in chrome://flags

POLYFILL

The go-to polyfill for CSS Shapes is the [CSS Shapes Polyfill](#) by the Adobe Web Platform team.

TO FIND OUT MORE...

CSS Shapes Module Level 1

Understanding Reference Boxes for CSS Shapes and
Getting Started with CSS Shapes by Razvan Caliman

Creating Non-Rectangular Layouts With CSS Shapes
and CSS Shapes 101 by Sara Soueidan

MORE GOOD STUFF ON THE WAY...

CSS Shapes Module Level 2

The shape-inside property let's us put content inside a defined shape

CSS Exclusions Module Level 1

Defines arbitrary areas around which inline content can flow

THE END

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