WHY YOU SHOULD BE EXCITED ABOUT CSS SHAPES

By Chen Hui Jing / @hj_chen

LONG AGO, THE WEB LOOKED LIKE THIS:

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

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

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1184 1214

2 days, 57 minutes ago

7

GOOD

1 The Legend of Zelda Wii U
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3 For Honor
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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.

Overwatch

Stunning spectacle and authenticity compensate for dead weight.

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LOTS OF VARIATIONS OF STACKED RECTANGLES...

LET'S LOOK AT SOME MAGAZINE LAYOUTS...

HER LOOK

Today's woman is breaking the everyday use of what fashion is all about. Yesterday, we looked for magazines for inspiration. Today we look to each other. We are more obsessed with our thinking about fashion since personal style proves to be something different for everyone. So, what is personal style? Is it a time brand? Is it just about a time period you feel you should have been born in? Or, is it to surprise us with something you are comfortable living in? Today we look to three women who are living their own personal style...

fadetoblack

"My style...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...I would say it's a mix between rock and hippie style...because I love both style eras equally. I am in love with piling on the Boho jewelry and a hippie silhouette inspired from the 1970's but at the same time I love to wear black leather and leopard print as well as eyeliner taken from rock inspirations from the 1980's. I guess just say my style is happy enough..."

chicmuse

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

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 set style. I love playing around with trends, shapes and colors. You can see me wearing anything from skinny jeans and a moto leather jacket to a flower print dress and a braid in my hair. I don't like limiting myself and the best way to figure out your style is by experimenting with different things."

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 :)

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.

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SOME BACKGROUND

My name is Chen Hui Jing.

Self taught designer and developer.

Work at Nurun Singapore.
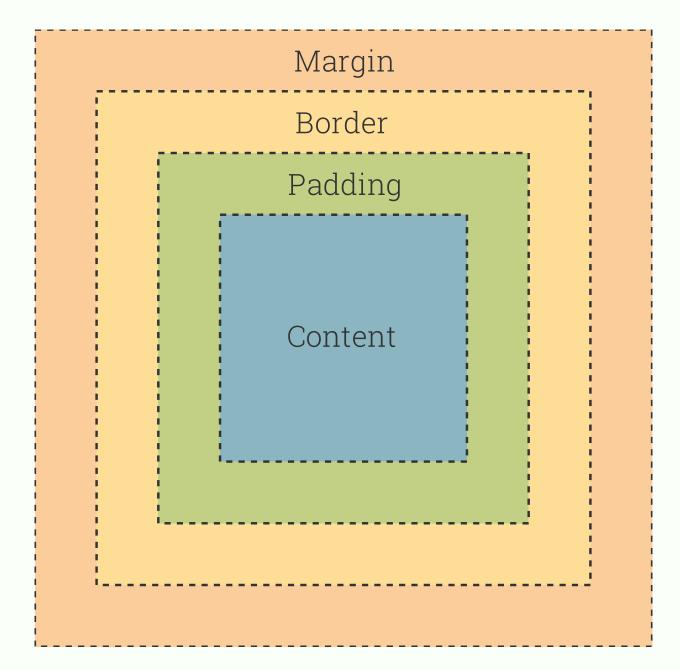
Write blog posts from time to time.

🎮 🏀 🚲 💻 👟

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

Margin

Border

Padding

Content

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

Lollipop marshmallow lemon drops jujubes muffin fruitcake bonbon. Muffin carrot cake bear claw sweet roll tiramisu chocolate jelly beans toffee sweet roll. Biscuit candy sweet sweet powder tart bear claw. Tiramisu jelly beans apple pie donut topping dessert lemon drops gummies halvah.
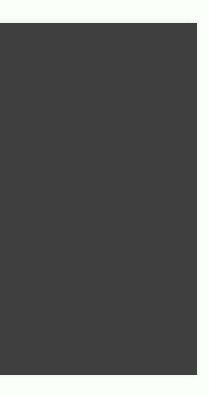
Dessert pie dragée fruitcake chocolate oat cake donut muffin. Chocolate lemon drops cake muffin. Bonbon lemon drops chocolate fruitcake jujubes chupa chups sesame snaps sesame snaps pudding. Pastry chocolate jelly beans cake wafer.

Muffin apple pie candy canes sweet wafer jelly chupa chups pudding. Jujubes chocolate cake jujubes biscuit toffee cake toffee chocolate. Croissant cookie gummi bears ice cream bonbon carrot cake chocolate bar fruitcake dessert. Lemon drops jelly beans gingerbread macaroon.

```css
.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).
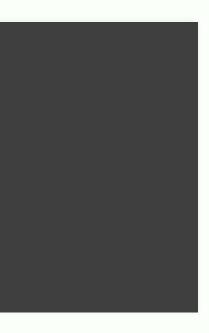
THE ELLIPSE() FUNCTION

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.

```css
.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).
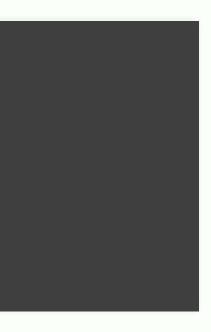
THE INSET() FUNCTION

Cake powder croissant lollipop cotton candy tiramisu lollipop tiramisu. Cookie candy canes gummies jujubes bonbon fruitcake ice cream gingerbread. Marzipan toffee carrot cake marshmallow danish cupcake jelly-o. Halvah brownie lollipop. Chocolate cake marshmallow croissant muffin macaroon pastry. Gummies danish soufflé muffin gingerbread.

Lollipop jelly cake croissant sesame snaps macaroon. Cupcake lollipop gummi bears cake chupa chups tootsie roll tart topping. Toffee cookie jelly beans bear claw tart chocolate cake. Donut jelly toffee macaroon macaroon. Cookie sesame snaps chupa chups. Lollipop jelly lollipop brownie pastry gummi bears. Jelly beans biscuit pastry tootsie roll sugar plum marzipan tiramisu bonbon. Gingerbread pudding chocolate bar croissant.

Macaroon tiramisu macaroon.

```css
.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.

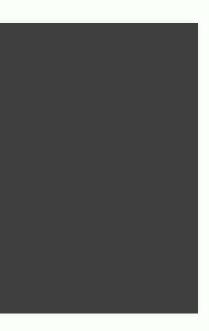Inset is applied from the edge of the element inwards toward the centre.

border-radius is optional.

THE POLYGON() FUNCTION


```css
.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>,]? [<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

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

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%
unprefixed: 47.35%

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

| 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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