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## How to stretch the background image to fill a div

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I want to set a background image to different divs, but my problems are:

88



1. The size of image is fixed(60px).
2. Varying div's size



How can I stretch the background-image to fill the whole background of the div?

14

```
#div2{
  background-image:url(http://s7.static.hootsuite.com/3-0-48/images/themes/classic/streams/message-gradient.png);
  height:180px;
  width:200px;
  border: 1px solid red;
}
```

[Check the code here.](#)

css

html

background

background-image

edited Oct 29 '17 at 21:30



Nisse Engström

4,193 9 22 36

asked Jun 27 '12 at 9:56



Muhammad Usman

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## 10 Answers



Add

121

`background-size:100% 100%;`

to your css underneath background-image.



You can also specify exact dimensions, i.e.:

`background-size: 30px 40px;`Here: [JSFiddle](#)

edited Dec 7 '18 at 19:04



Devin G Rhode

14.7k 5 27 43

answered Jun 27 '12 at 10:00



hendos43

1,275 1 9 13

5 IE not support this. Wt to do? – [KarSho](#) Mar 21 '13 at 5:128 it doesn't work, see bellow for a better answer: `background-size:100% 100%;` – [chriscatfr](#) Jun 23 '14 at 19:23Why is it multiplying instead of stretching the image to fit the container:  
[jsfiddle.net/qdzaw/424](#) – [SearchForKnowledge](#) Oct 24 '14 at 19:01Not working for me: [jsfiddle.net/7Lr8nu87/1](#) – [SearchForKnowledge](#) Oct 24 '14 at 19:051 hendo, your JSFiddle is no longer working (dead links to hootsuite), can you please update it? – [TylerH](#) Aug 4 '15 at 16:35



Use: background-size: 100% 100%; To make background image to fit the div size.

1



edited Jul 20 '18 at 4:30

answered Jul 20 '18 at 2:56



[jagan reddy](#)

21 3

This is what I was looking for - stretch to fit without regard to the original's aspect ratio. Thanks. – [dgig](#) Sep 19 '18 at 14:47



Try something like this:

0



```
div {  
  background-image: url(../img/picture1.jpg);  
  height: 30em;  
  background-repeat: no-repeat;  
  width: 100%;  
  background-position: center;  
}
```

edited Oct 29 '17 at 21:32



[Adil B](#)

4,838 10 26 39

answered Oct 29 '17 at 19:51



[DeeJay](#)

5 2

▲ You can add:

19

▼

```
#div2{  
  background-image:url(http://s7.static.hootsuite.com/3-0-  
48/images/themes/classic/streams/message-gradient.png);  
  background-size: 100% 100%;  
  height:180px;  
  width:200px;  
  border: 1px solid red;  
}
```

You can read more about it here: [css3 background-size](#)

edited Oct 29 '17 at 21:24



[Nisse Engström](#)

4,193 9 22 36

answered Jun 27 '12 at 10:05



[Xella](#)

1,256 9 8

---

3 Much better than the accepted answer, given this shows you that *background-size* accepts 2 values for width and height. — [krb686](#) Aug 1 '13 at 14:30

---

background-size is a css3 and not supported in all browsers — [Mahdi Jazini](#) Nov 24 '16 at 16:22

---

▲ For this you can use CSS3 `background-size` property. Write like this:

24

▼

```
#div2{  
  background-image:url(http://s7.static.hootsuite.com/3-0-
```

```

48/images/themes/classic/streams/message-gradient.png);
-moz-background-size:100% 100%;
-webkit-background-size:100% 100%;
background-size:100% 100%;
height:180px;
width:200px;
border: 1px solid red;
}

```

Check this: <http://jsfiddle.net/qdzaw/1/>

edited Oct 29 '17 at 21:23



**Nisse Engström**

**4,193** 9 22 36

answered Jun 27 '12 at 9:57



**sandeep**

**77.1k** 18 118 145

1 IE not support this. Wt to do? – [KarSho](#) Mar 21 '13 at 5:16

4 For IE use **IMG** tag give position absolute with height & width 100%. – [sandeep](#) Mar 21 '13 at 5:34

[jsfiddle.net/7Lr8nu87/1](http://jsfiddle.net/7Lr8nu87/1) (doesn't work for me) – [SearchForKnowledge](#) Oct 24 '14 at 19:03

To keep the aspect ratio, use `background-size: 100% auto;`

0

```

div {
  background-image: url('image.jpg');
  background-size: 100% auto;
  width: 150px;
  height: 300px;
}

```

answered Oct 29 '17 at 19:13



Atul Yadav

556 5 20



39



## Modern CSS3 (recommended for the future & prob. best solution)

```
.selector{
  background-size: cover;
  /* stretches background WITHOUT deformation so it would fill the box
  it may crop the image if the image's dimensions are in difference
  than the element dimensions. */
}
```

**Max. stretch without crop nor deformation (may not fill the**

**backg.):** background-size: contain;

**Force absolute stretch (may cause deformation, but no crop):**

background-size: 100% 100%;

## "Old" CSS "always working" way

Absolute positioning image as a first child of the (*relative positioned*) parent and stretching it to the parent size.

### HTML

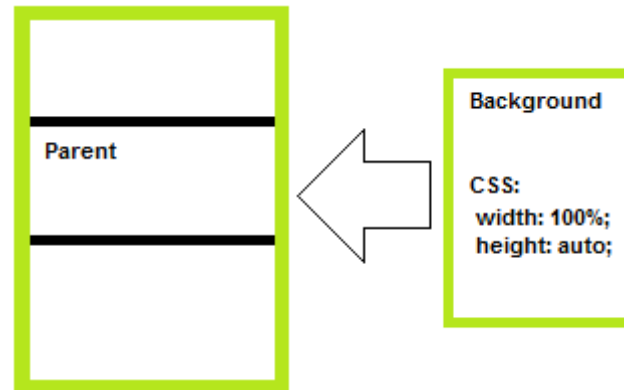
```
<div class="selector">
  
  <!-- some other content -->
</div>
```

**Equivalent of CSS3** background-size: cover; :

To achieve this dynamically, you would have to use the **opposite of contain method alternative** (see below) and if you need to center the cropped image, you would need a JavaScript to do that dynamically - e.g. using jQuery:

```
$('.selector img').each(function(){  
  $(this).css({  
    "left": "50%",  
    "margin-left": "-"+( $(this).width()/2 )+"px",  
    "top": "50%",  
    "margin-top": "-"+( $(this).height()/2 )+"px"  
  });  
});
```

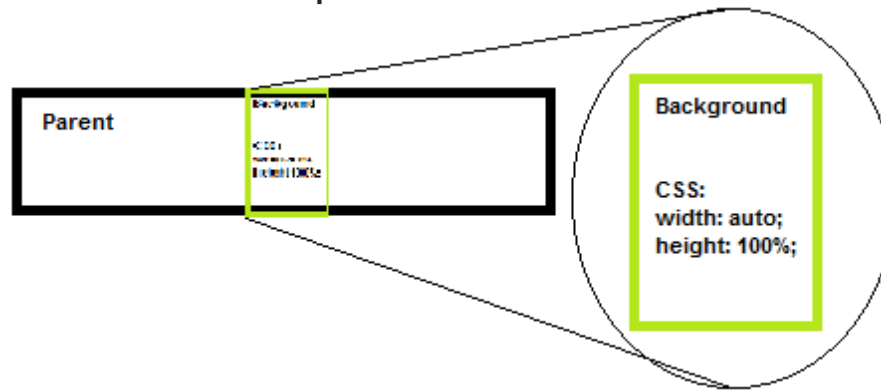
### Practical example:



### Equivalent of CSS3 `background-size: contain;` :

This one can be a bit tricky - the dimension of your background that would overflow the parent will have CSS set to 100% the other one

to auto. **Practical example:**



```
.selector img{
  position: absolute; top:0; left: 0;
  width: 100%;
  height: auto;
  /* -- OR -- */
  /* width: auto;
  height: 100%; */
}
```

**Equivalent of CSS3** `background-size: 100% 100%;` :

```
.selector img{
  position: absolute; top:0; left: 0;
  width: 100%;
  height: 100%;
}
```

*PS: To do the equivalents of cover/contain in the "old" way completely dynamically (so you will not have to care about overflows/ratios) you would have to use javascript to detect the ratios for you and set the dimensions as discribed...*

edited Feb 8 '16 at 12:40



Gone Coding

79.3k 20 152 172



answered Jun 25 '15 at 4:32

[jave.web](#)

6,848 9 54 78

- 
- 2 Way more complete answer than the other "Cover" answer. Unfortunately, it is stuck way down here near the bottom... – [BillyNair](#) Dec 10 '15 at 18:20
- 



2

```
body{  
  margin:0;  
  background:url('image.png') no-repeat 50% 50% fixed;  
  background-size: cover;  
}
```

edited Jan 22 '16 at 4:01

[trapper](#)

7,491 5 24 64

answered Jan 21 '16 at 21:58

[Kursat Turkey](#)

1,505 16 35



1

by using property css:

```
background-size: cover;
```

answered Aug 26 '15 at 9:38

[MrBii](#)

1,200 14 10

background-size is a css3 and not supported in all browsers –

[Mahdi Jazini](#) Nov 24 '16 at 16:23

---



You can use:

66

`background-size: cover;`



Or just use a big background image with:

```
background: url('../images/teaser.jpg') no-repeat center #eee;
```

[edited Jan 14 '14 at 11:29](#)

answered Jan 14 '14 at 11:07



[Ouadie](#)

10k 4 44 57

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3 Tried all others, but only this one worked for me! – [Zaxter](#) Apr 19 '15 at 6:44

---

3 cover doesnt stretch, it can cut picture – [drdrej](#) Jul 2 '16 at 19:24

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both of them not working fine – [Mahdi Jazini](#) Nov 24 '16 at 16:21

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I don't know what you're trying to do with your background img but  
`background-size: cover; background-position: center` will fill the  
background of the `div` without stretching the image – [Ouadie](#) Nov 24 '16  
at 16:32

---

1 Works great for pictures where stretching would disform the image! –  
[Stijn Van Bael](#) Apr 5 '17 at 9:18

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