# 4.3 CSS Backgrounds and Images

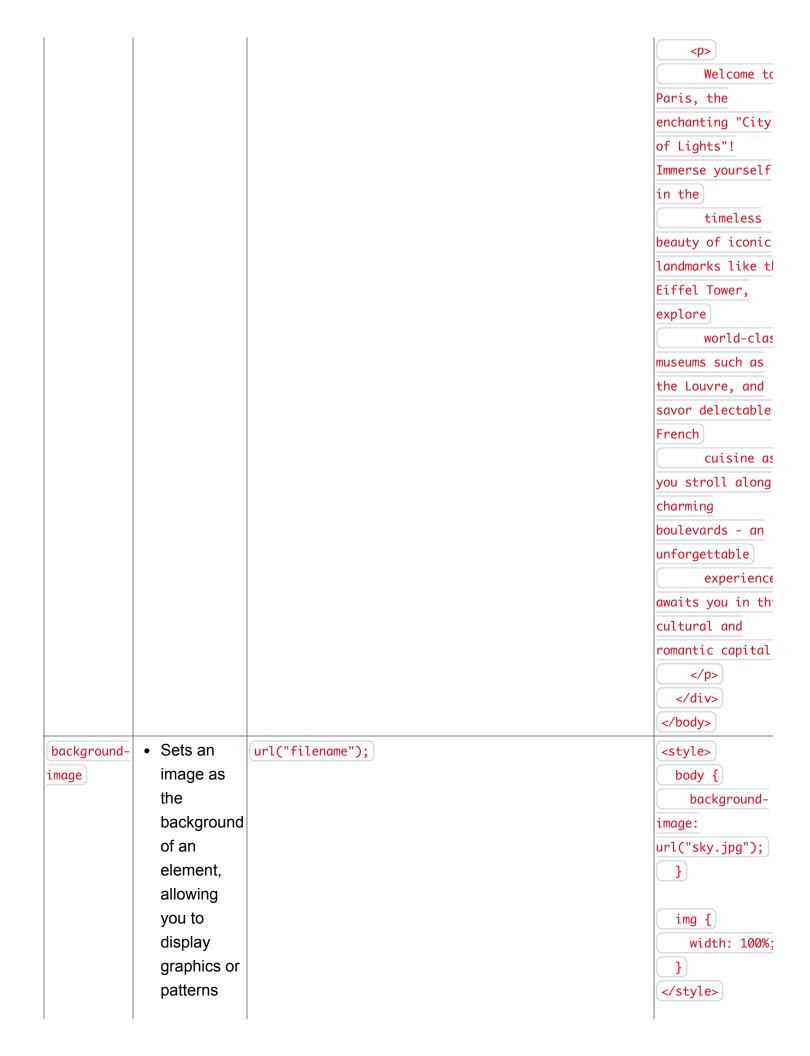


windows background at night - answered by Kristanna Agnes Nical

## Backgrounds

• The CSS background properties are used to add background effects for elements.

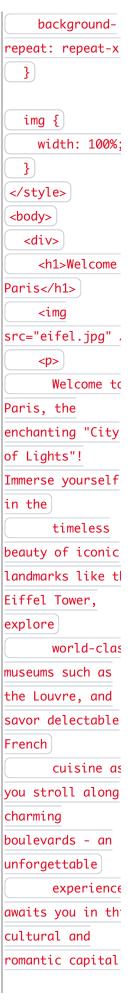
Style	Description	Possible values	Sample code
background-	Sets the	See colors	<style></th></tr><tr><th>color</th><th>background</th><th>(https://kodego.instructure.com/courses/379/pages/ref-</th><th>body {</th></tr><tr><th></th><th>color of an</th><th>number-3-css-colors)</th><th>background-</th></tr><tr><td></td><td>element,</td><td></td><td>color: lightblue</td></tr><tr><td></td><td>determining</td><td></td><td>3</td></tr><tr><th></th><th>the color</th><th></th><th></th></tr><tr><th></th><th>displayed</th><th></th><th>img {</th></tr><tr><th></th><th>behind the</th><th></th><th>width: 100%;</th></tr><tr><th></th><th>content</th><th></th><th>}</th></tr><tr><th></th><th></th><th></th><th></style>
			<body></body>
			<div></div>
			<h1>Welcome</h1>
			Paris
			<img< th=""></img<>
			<pre>src="eifel.jpg" ,</pre>



	behind the content.		<body> <div> <h1>Welcome</h1></div></body>
			Paris
			src="eifel.jpg" /
			Welcome to
			Paris, the
			enchanting "City
			of Lights"!
			Immerse yourself
			in the
			timeless
			beauty of iconic
			landmarks like tl
			Eiffel Tower,
			explore
			world-clas
			museums such as
			the Louvre, and
			savor delectable
			French
			cuisine as
			you stroll along charming
			boulevards - an
			unforgettable
			experience
			awaits you in th
			cultural and
			romantic capital
background-	Determines	repeat - the background image is repeated both	<style></td></tr><tr><td>repeat</td><td>how a</td><td>vertically and horizontally</td><td>body {</td></tr><tr><td></td><td>background</td><td></td><td>background-</td></tr><tr><td></td><td>image is</td><td>horizontally</td><td>image:</td></tr><tr><td></td><td>repeated,</td><td></td><td>url("circle.png"</td></tr><tr><td></td><td></td><td></td><td></td></tr></tbody></table></style>

or not repeated, both horizontally and vertically within its containing element.

- repeat-y the background image is repeated only vertically
- round the background image is repeated and squished or stretched to fill the space (no gaps)



background- attachment	Specifies whether a background image scrolls with the content or remains fixed as the user scrolls the web page.	scroll - background image will scroll with the page     fixed - background image will scroll with the page     local - background image will scroll with the element's contents	<pre>    body { background- image: url("circle.png" background- attachment: fixe }  img { width: 100% }      <pre></pre></pre>
			world-cla

		cuisine as
		you stroll along
		charming
		boulevards - an
		unforgettable
		experience
		awaits you in th
		cultural and
		romantic capital
	1	

### Guidelines in selecting a background

- Selecting the right website background is an important design choice that can influence aesthetics and user experience.
- You have to ensure the background aligns with content, enhances readability, and resonates with your brand.
- These guidelines collectively ensure a visually appealing and user-friendly design that resonates with your audience.
  - 1. **Align background with purpose.** Ensure the background supports the website's core message and objectives.
  - Legible text on background. Choose a background that maintains clear readability for all text content.
  - Maintain design cohesion. Create a good visual experience by aligning the background with the overall design theme.
  - 4. **Colors convey mood.** Select background colors that draw desired emotions and match the site's mood.
  - 5. **Support the branding**. Align the background with branding elements to reinforce recognition and association.
  - User-centric background choice. Prioritize a background that enhances user experience, avoiding distractions.

#### **Images**

Images can be adjusted in a number of way, mostly with how they are sized and presented.

Style	Description	Possible values	Sample code	Preview
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width	•	size of an element on a web page  Specifies the vertical	See sizing (https://kodego.instructure.com/courses/379/pages/ref-number-2-css-sizing)  See sizing (https://kodego.instructure.com/courses/379/pages/ref-number-2-css-sizing).	<pre>img {     width: 240px;     height: 240px; }</pre>	
object- fit	•	Specifies how an element's content, such as an image or video, should be resized and fit within its container	ratio to fit.	<pre> <style>     div {         width: 240px;         height: 240px;      background- color: yellow;         border: 4px dashed magenta;     }      img {         width: 100%;         height: 100%;         object- fit: contain;     }  </style> <div> </div></pre>	

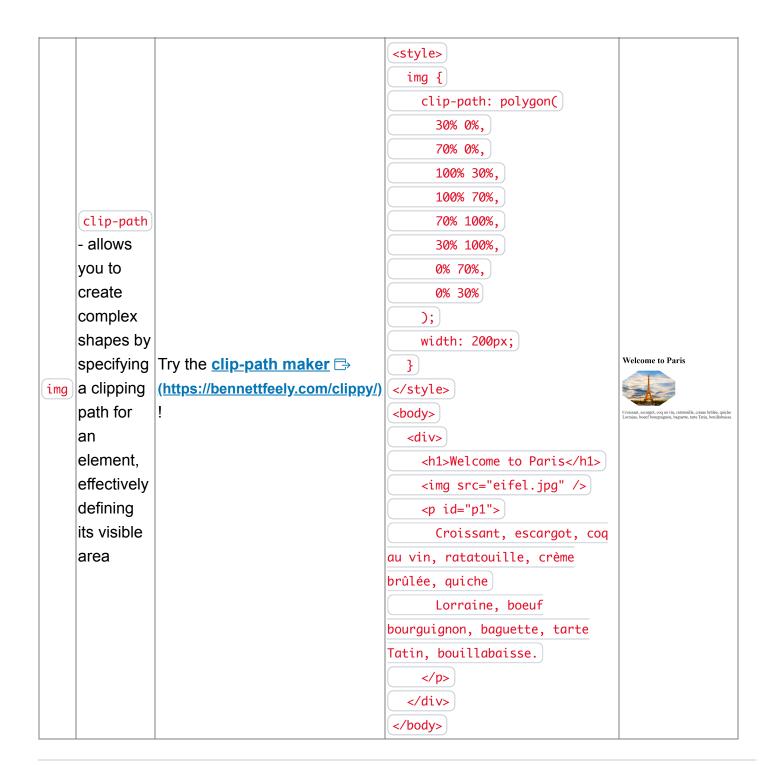
```
<img
                                                       src="eifel.jpg"
                                                       />
                                                       </div>
                                                       <style>
                                                         div {
                                                           width:
                                                       240px;
                                                           height:
                                                       240px;
                                                       background-
                                                       color: yellow;
                                                           border:
                                                       4px dashed
                                                       magenta;
                                                         })
cover - the element is scaled and cropped to
maintain aspect ration and to fit.
                                                         img {
                                                           width:
                                                       100%;
                                                           height:
                                                       100%;
                                                           object-
                                                       fit: cover;
                                                         })
                                                       </style>
                                                       <div>
                                                         <img
                                                       src="eifel.jpg"
                                                       />]
                                                       </div>
```

#### Clipping images to a shape

• The clip-path property lets you clip an element to a basic shape or to an SVG source.

```
clip-path: circle(50%);
}
```

Tag	Style	Attributes	Sample code	Preview	
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#### **Additional Material**

- References
  - W3Schools
- Learn more
  - Clippy CSS clip-path maker → (https://bennettfeely.com/clippy/)