



2

# CSS for Images

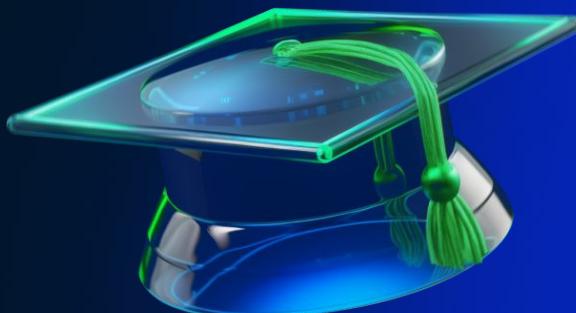
HTML course

# CSS for Images: **Lesson Plan**

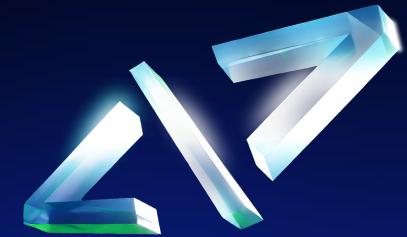
## 1. CSS for backgrounds

- Color
- Image
- Position
- Gradient

## 2. CSS for <img> tag

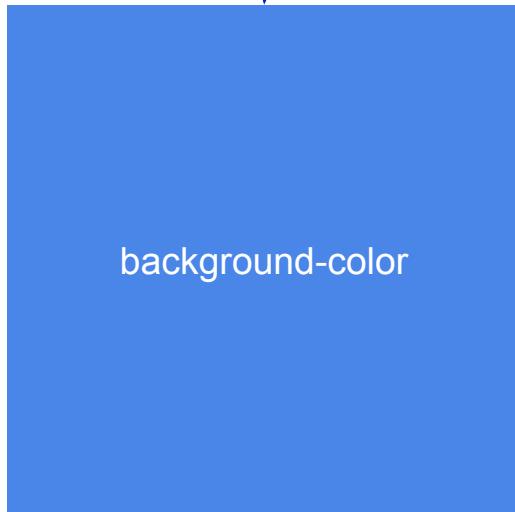
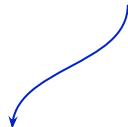


# CSS Backgrounds

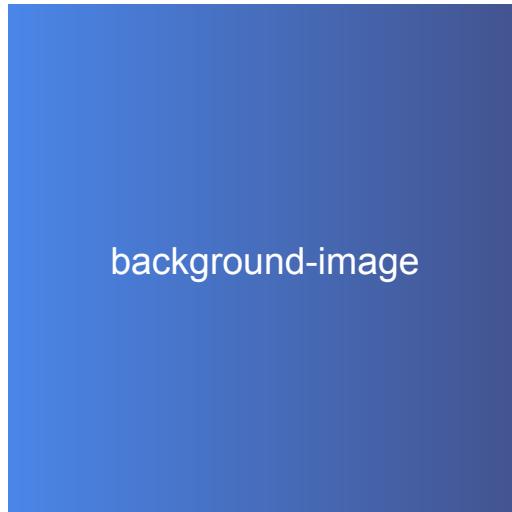


# Color as background

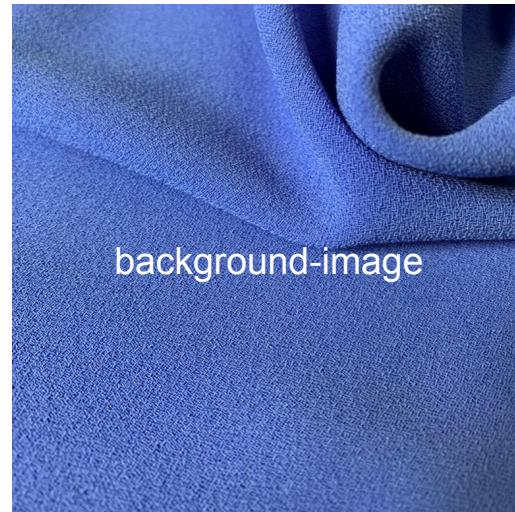
background-color: #4a86e8;



background-color



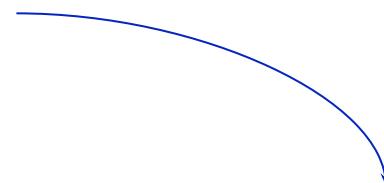
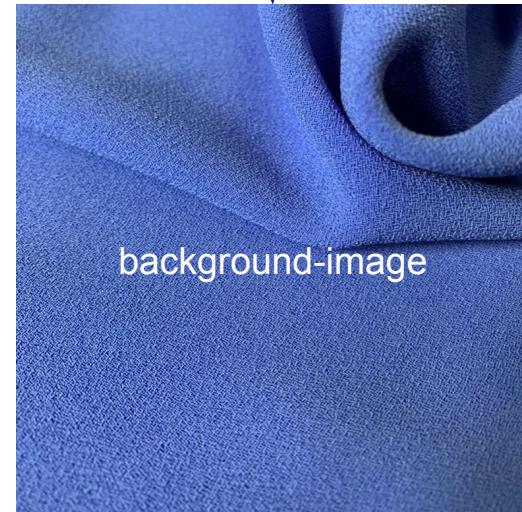
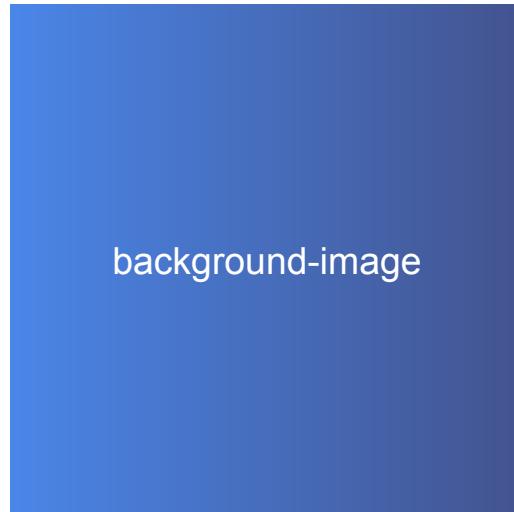
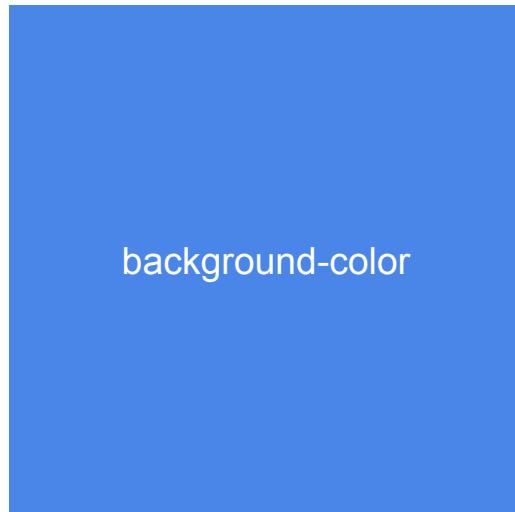
background-image



background-image

# Image as background

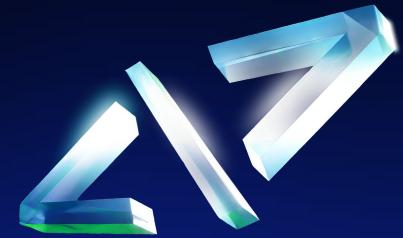
```
background-image: url(fabrics.jpg);
```



# **background-color for background-image**

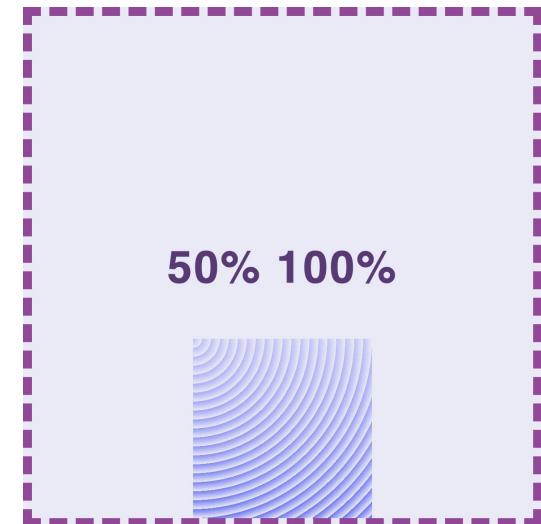
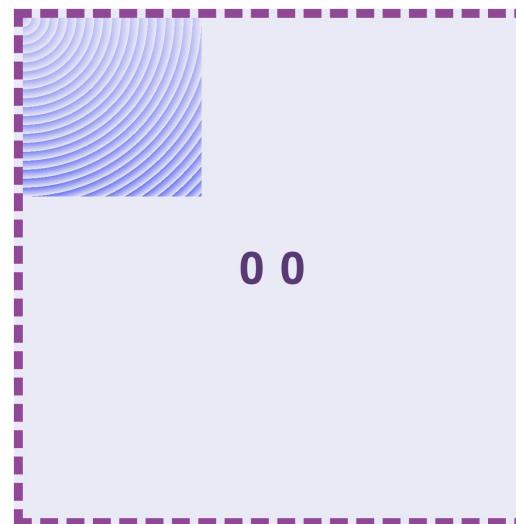
- Fallback for Missing Images
- Improved Loading Experience
- Enhancing Readability
- Visual Consistency
- Accessibility
- Design Control

# Positioning



# background-position

background-position: center;



keywords: **center, left,  
right, top, bottom**

coordinates in **px**

coordinates in **%**

## **background-position-\***

```
background-position-x: right 32px;  
background-position-y: bottom 2rem;
```

# Practice background-position



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## Web development

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi eget leo et eros porta pharetra efficitur sodales. Morbi et augue sed ex tempus cursus. Sed euismod, nunc vel lacinia, nisi enim, vel lectus nec fringilla. Cras vel fermentum augue. Aenean pretium tellus vitae nisl aliquet, et pateneisque metus ultrices. Nulla hendrerit.

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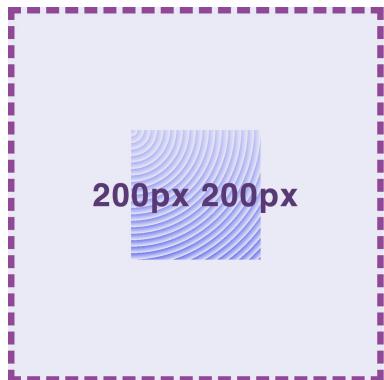
We are best studio team working with Jupiter X

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

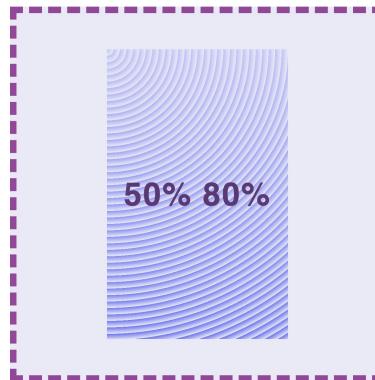
[Get started](#)

# background-size

background-size: contain;



sizes in px



sizes in %

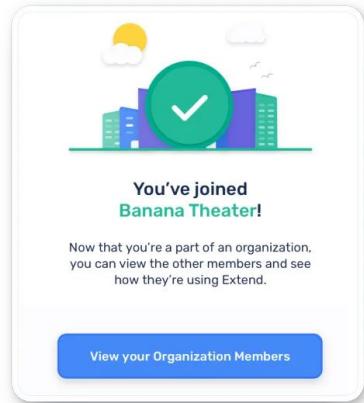
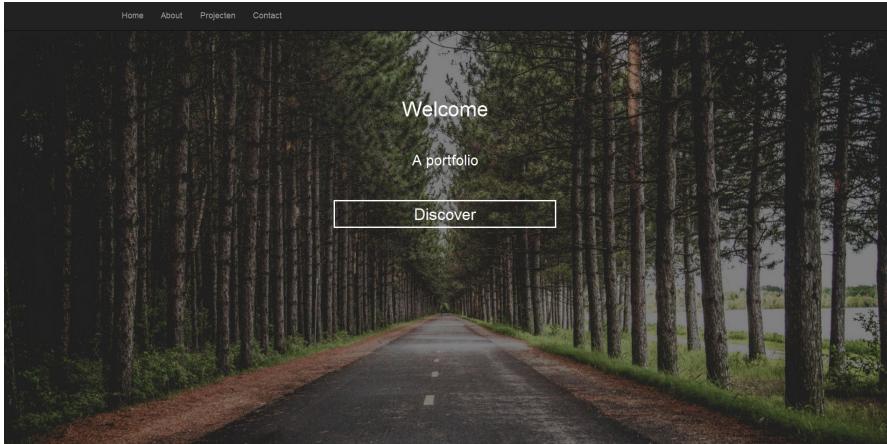


Scales the image as large as possible within its container without cropping or stretching the image.



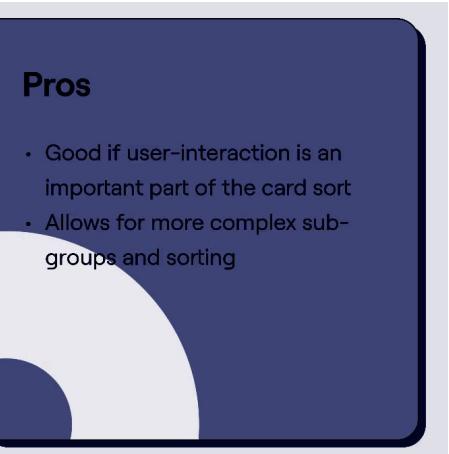
Scales the image to the smallest possible size to fill the container, leaving no empty space.

# Practice background-size



Now that you're a part of an organization,  
you can view the other members and see  
how they're using Extend.

[View your Organization Members](#)

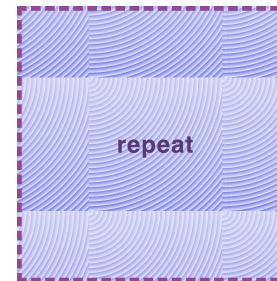


# background-repeat

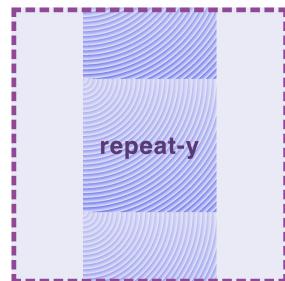
`background-repeat: no-repeat;`



no repeat



repeat  
horizontally  
and vertically



repeat only  
vertically



repeat only  
horizontally

Practice

# background-repeat

The page has a repeating background pattern of various sizes and types of gears in a light gray color.

**[S] TEST SITE**

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OUR PROPOSITION

Testsite.com at velit quis lectus nonummy eleifend. Curabitur eros. Aenean ligula dolor, gravida auctor, audor et, suscipit in, erat. Sed malesuada, enim ut congue pharetra, massa elit convallis pede, ornare scelerisque libero neque ut neque. In at libero. Curabitur molestie. Sed vel neque. Proin et dolor ac ipsum elementum malesuada. Praesent id orci. Donec hendrerit. In hac habitasse platea dictumst. Aenean sit amet arcu a turpis posuere pretium.

GET THE BOOKLET

Practice

# background-repeat

# iconSweets2

Yummigum is back with another iconSweets; a huge FREE icon set containing over a 1,000+ icons, all in a vector-shaped Photoshop format. iconSweets2 will crunch your icon thirst for all of your iPhone, iPad & Android apps or new web projects!

400+ icons 64x64 | iPhone / section display

Free download NOW!

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Android  
Calculator

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IconSweets was great, but too limited... so we designed more! iconSweets2 contains 400+ icons both in 64x64 and 32x32 and 292 16x16 icons, all created as vector Photoshop shapes.

You may use these icons for both commercial and non-commercial projects and customize them any way you like. You may NOT redistribute these icons from any other server.

## icon shelf

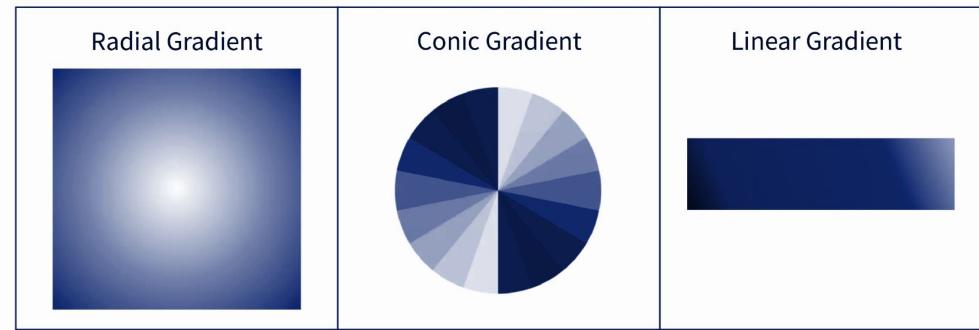
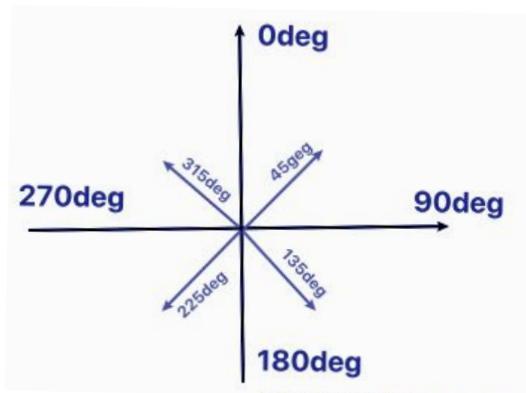
# Gradients



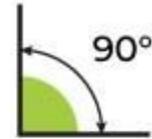
# Gradients

`background-image: *-gradient(angle, colors with transition points)`

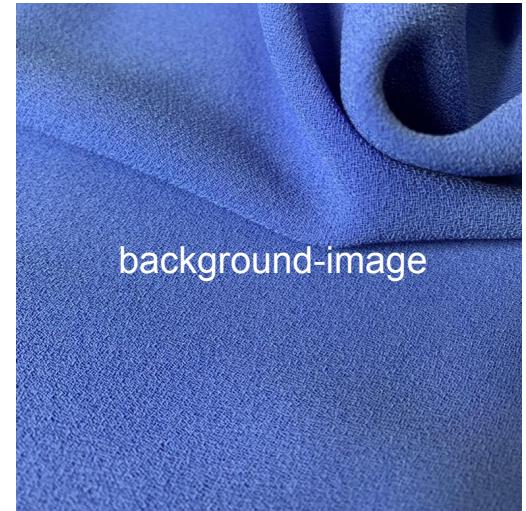
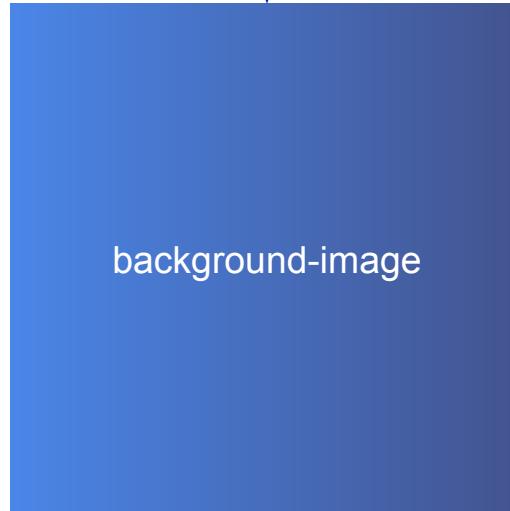
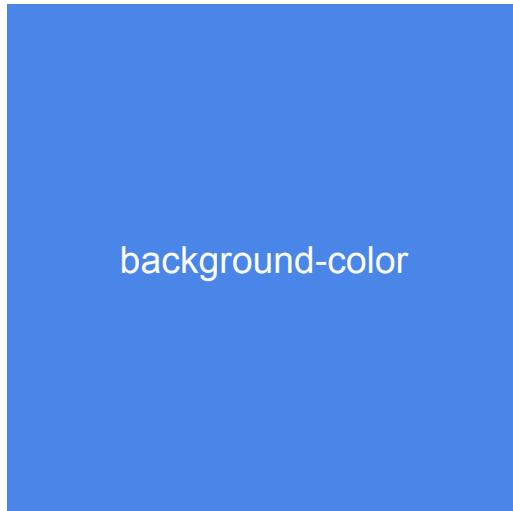
- The angle of direction is specified in degrees – **deg**
- The direction is specified using words: **to left, right, top, bottom**



# Gradient as background

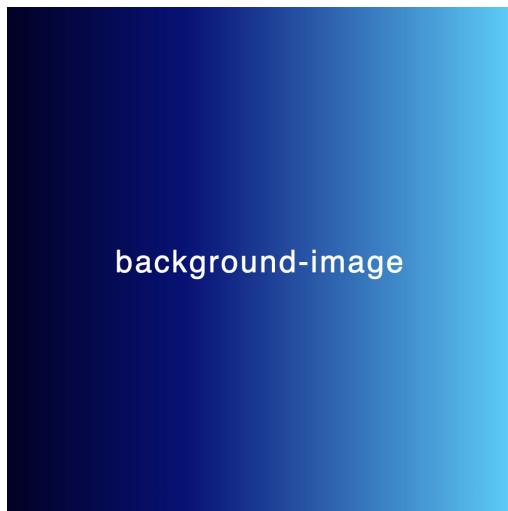


`background-image: linear-gradient(90deg, #4A86E8, #43538E);`



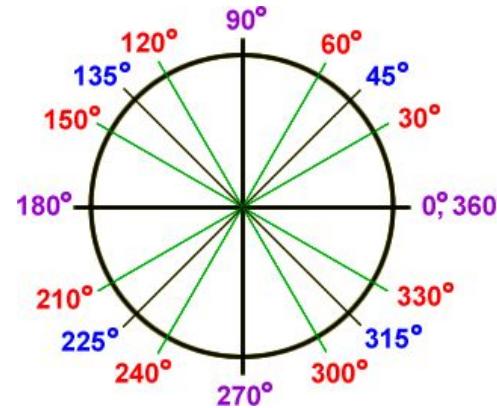
# Linear gradient

**linear-gradient(angle, colors with transition points)**

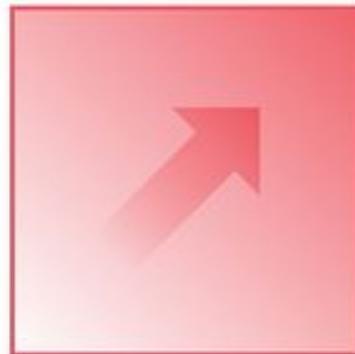


```
background-image:  
  linear-gradient(  
    90deg,          (to right) - angle of inclination  
    rgba(2, 0, 36, 1) 0%,      - color transition points  
    rgba(9, 9, 121, 1) 35%,  
    rgba(0, 212, 255, 1) 100%  
  );
```

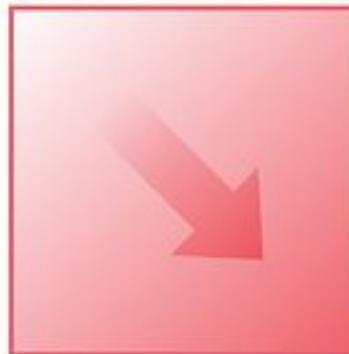
# Linear gradient Direction angle



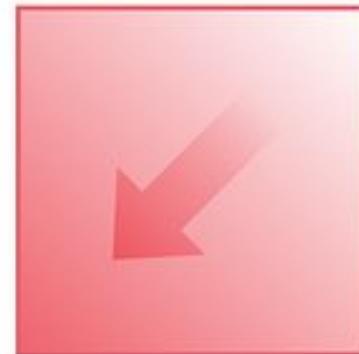
45deg  
to top right



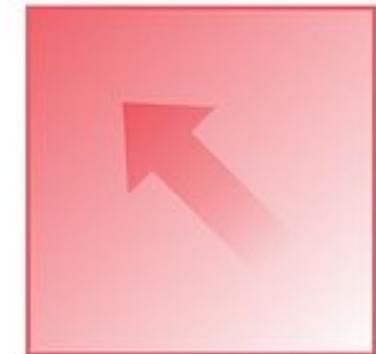
135deg  
to bottom right



225deg  
to bottom left



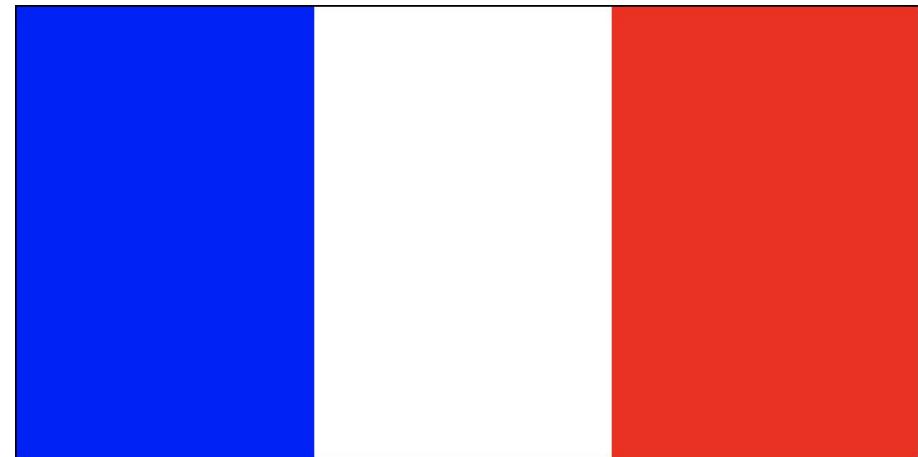
315deg  
to bottom left



# Linear gradient Color stops

background:

```
linear-gradient(  
    to right,  
    blue 33%,  
    white 33%,  
    white 66%,  
    red 66%  
) ;
```



# Radial gradient

**radial-gradient( form or size direction, colors with transition points )**

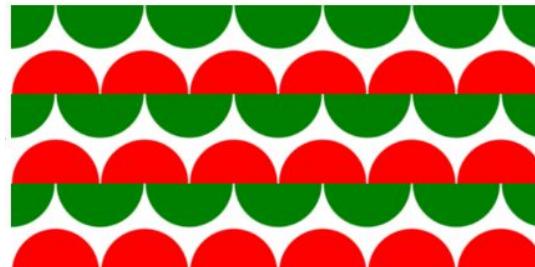
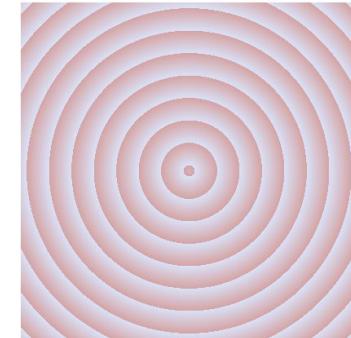
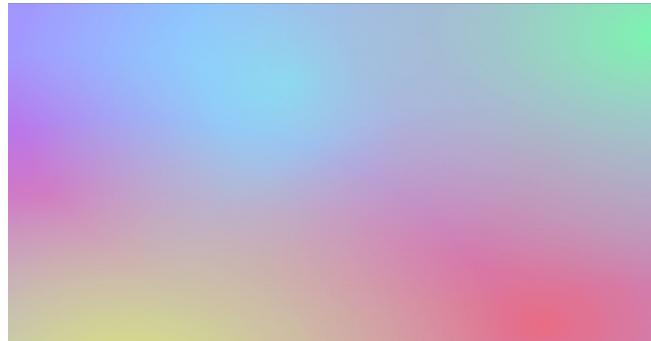
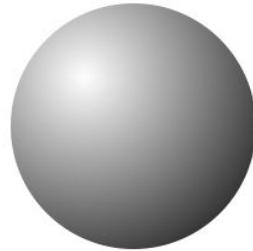


radial-gradient

```
background-image:  
  radial-gradient(  
    circle at center,  
    rgba(63,94,251,1) 0%,  
    rgba(252,70,107,1) 100%  
  );
```

- or **ellipse**
- direction
- color transition points

# Examples of radial gradient



# Conic gradient

**conic-gradient( angle and position, colors with transition points)**



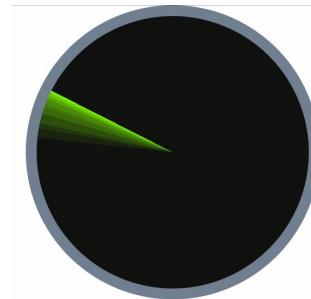
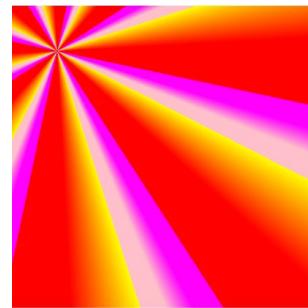
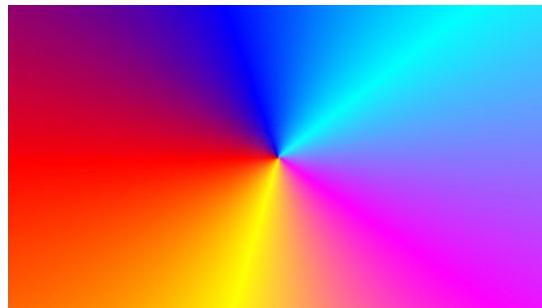
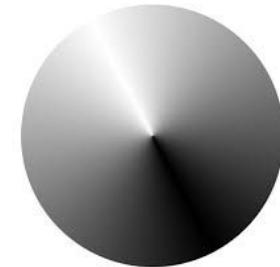
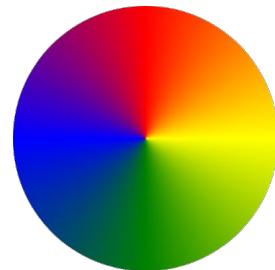
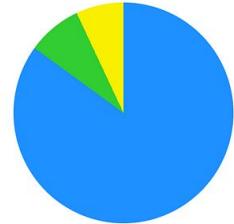
```
background-image:  
  conic-gradient(  
    from 90deg at 50% 50%,  
    #A100FFFF 0%,  
    #71C4FFFFFF  
  );
```

– angle of inclination  
– color transition points

# Examples of conic gradient



# Examples of conic gradient



# CSS background patterns

Beautiful pure CSS background patterns that you can actually use into your projects!

Back Color:



Front Color:



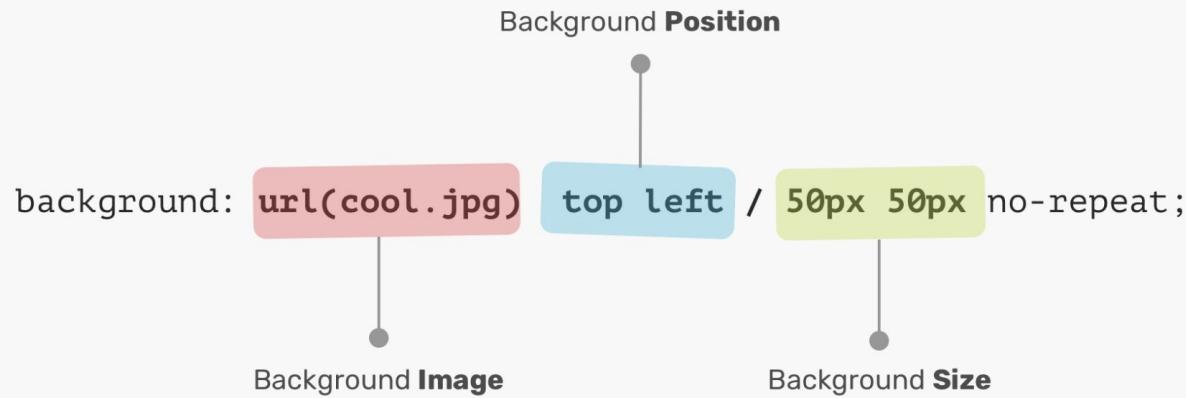
Opacity:



++ Spacing:



# Shorthand property



# Image set



# Image set

**Pixel destiny:**

```
background-image: image-set(  
  "small-image.png" 1x,  
  "medium-image.png" 2x,  
  "large-image.png" 3x  
) ;
```

**Image type:**

```
background-image: image-set(  
  "small-image.avif" type("image/avif"),  
  "medium-image.png" type("image/webp")  
) ;
```



# Multi-backgrounds



# Multi backgrounds

```
background:  
  url(cat-icon.png) bottom right / 20% auto no-repeat,  
  linear-gradient(  
    105deg,  
    rgba(25, 25, 29, 0.5) 39%,  
    rgba(185, 6, 27, 1) 96%  
  ) center center / cover no-repeat,  
  url(cat-photo.jpg) center / cover no-repeat;
```

---

```
background-image:  
  url(cat-icon.png),  
  linear-gradient( 105deg,rgba(25, 25, 29, 0.5) 39%,  
  rgba(185, 6, 27, 1) 96% ),  
  url(cat-photo.jpg);  
background-position: bottom right, center;  
background-size: 20% auto, cover;  
background-repeat: no-repeat;
```



# Multi backgrounds

About Us

If you want to learn more about us, you're in the right place. Read to learn how we managed to grow our business so fast.

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Click edit button to change this text. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut enim tellus, luctus nec ullamcor.

**Twitter**  
Click edit button to change this text. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut enim tellus, luctus nec ullamcor.

**YouTube**  
Click edit button to change this text. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut enim tellus, luctus nec ullamcor.

Our Story

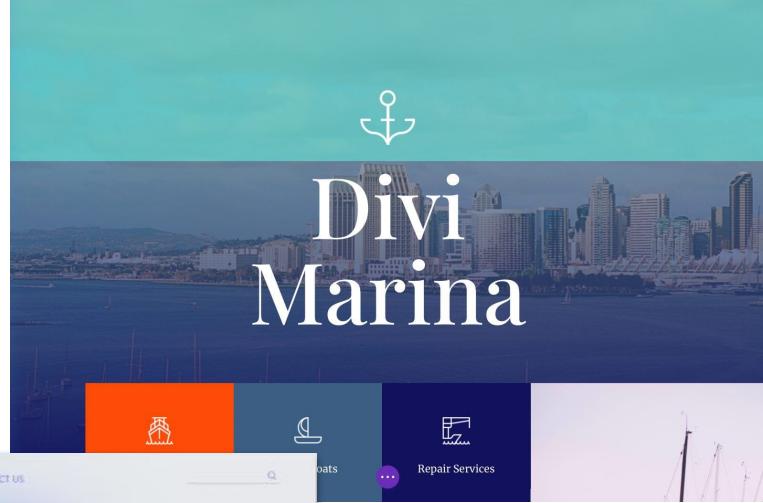
HOME ABOUT US THE TEAM PROJECTS CONTACT US

Inspire to create and create to inspire.

*creative to the core.*

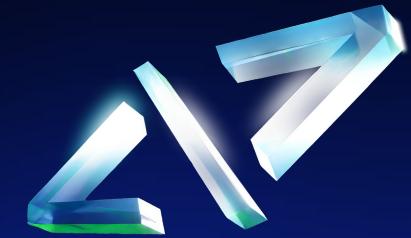
Learn More

LOREM IPSUM DOLOR SIT AMET, CONSECTETUR ADIPISCING ELIT. SED DO EIUSMOD TEMPOR INCIDUNT UT LABORE ET DOLORE MAGNA ALIQUID EXCEPTE.





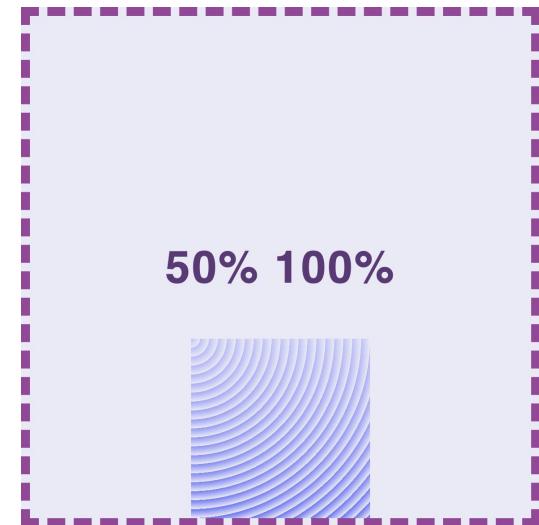
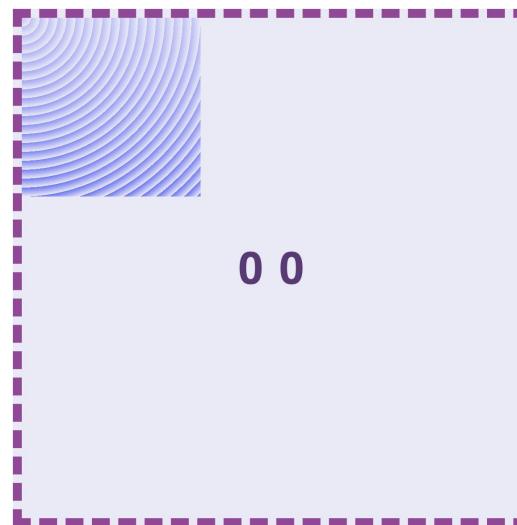
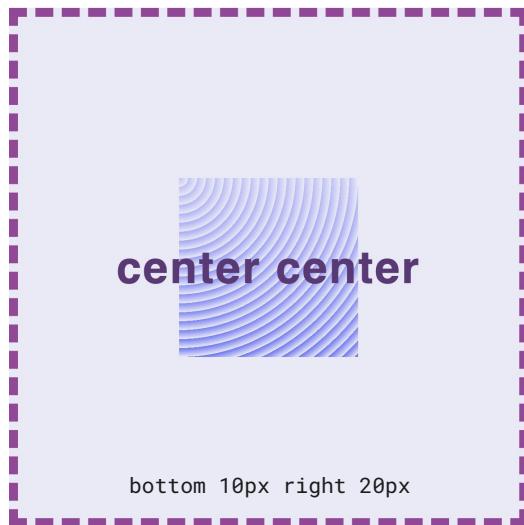
# CSS for <img>



# object-position

it's like background-position

object-position: center;



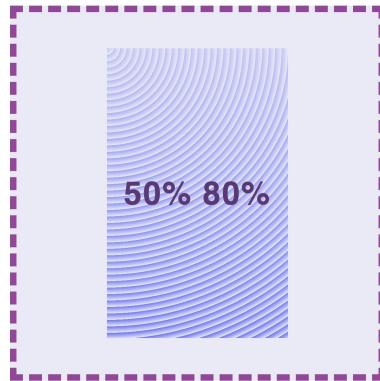
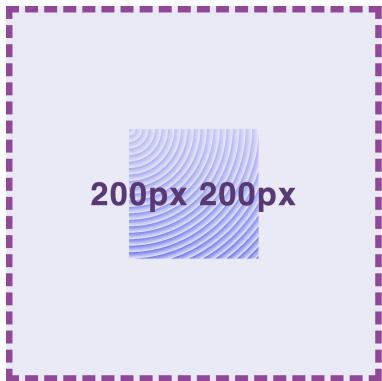
keywords: **center, left,  
right, top, bottom**

coordinates in **px**

coordinates in **%**

# object-fit

it's like background-size  
object-position: contain;



sizes in px

sizes in %

Scales the image as large as possible within its container without cropping or stretching the image.

Scales the image to the smallest possible size to fill the container, leaving no empty space.

# aspect-ratio

```
aspect-ratio: 16 / 9;
```

```
aspect-ratio: 16 / 9;
```

```
aspect-ratio: 1;
```



Instagram - 1:1



Widescreen - 16:9



Old School TV - 4:3



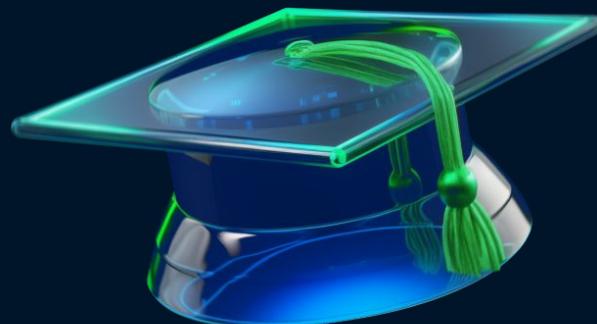
iPhone 12 - 9:19.5



iPhone 12 - 19.5:9

# Summary

1. CSS for backgrounds
  - a. color
  - b. image: position, size, repeat
  - c. gradients: linear, radial, conic
  - d. shorthand
  - e. multi-backgrounds
2. CSS for <img>



# Quality Criteria for HTML Course

- ❤️ Mandatory for passing the course
- 💛 Required for the highest grade
- 💚 Optional

- ❤️ Correct Image Format
- ❤️ Extract images without style filters from the design.
- ❤️ Correct Image Insertion method
- ❤️ Specify dimensions for all images
- ❤️ Provide alt text for all images.
- 💛 Optimize images for browser rendering.
- 💛 Elements with background images should have a matching background color.
- 💚 Favicon icons display correctly.

# Homework

1. Export all images from the Figma template in suitable formats: `webp`, `svg`
2. Insert images into your markup, using the appropriate method of insertion: `img`, `background-image` or `svg`.
3. Add `alt` text in `<img>` tags.
4. Add basic sizes: `width` and `height`, in `<img>` tags.
5. Add `background-color` property for selectors with `background-image`.





**QUESTIONS?**



**Please fill out the feedback form**  
**It's very important for us**



**THANK YOU!**  
**Have a good evening!**