



# Responsive Design with Media Queries



# What is responsive design?

**Responsive Design** is an approach to **web design** where web pages **respond** to **varying screen sizes**.

As a user switches from their phone to their laptop, the website should automatically switch to accommodate the different screen size and device.

**Acme Sites** ▾  
 ● Matt Kump

🔍 All Threads

★ STARRED

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- # events
- 📁 Cory, Tina, Dio

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- # brainstorming 1
- # business-ops
- # culture
- 🔒 design-chat
- 🔒 marketing
- # media-and-pr
- 🔒 sonic-fanfic
- 🔒 triage-issues

DIRECT MESSAGES (24) +

- ♥ slackbot
- Brandon Velestuk
- Caroline McCarthy
- Cory Bujnowicz
- Fayaz Ashraf
- Graham Hicks
- 📁 Lane, Pavel
- Mari Ju
- Matt Hodgins
- Shannon Tinkley
- Terra Spitzner

## #culture

19 members | Add a topic



Today



**Jackie Ray** 12:47 PM  
I must decline for secret reasons.



**Meredith Brown** 12:50 PM  
Really need to give some Kudos to @julie for helping out with the new influx of tweets yesterday. People are really, really excited about yesterday's announcement.

👍 2 🙌 8 🥰 1 💖 3



**Kiné Camara** 12:55 PM  
No! It was my pleasure! People are very excited. ⚡



**Damien Baker** 2:14 PM  
What are our policies in regards to pets in the office? I'm assuming that was the case.



**Horse Blanket Culture Meetings** 2:15 PM  
Event starting in 15 minutes:  
[Culture Weekly Meeting](#)  
 Today from 2:30 PM to 3:00 PM



**Jake Grimes** 2:18 PM  
shared a post ▾



### Building Policies and Procedures

Last edited 2 months ago



#### SECURITY POLICIES

- All guests and visitors must sign in
- Guests and visitors must be accompanied throughout the



**Damien Baker** 2:22 PM  
Thanks Jake!



Message #culture

Acme Sites

# culture

Make sure that was the case...

👍 2 🙌 8 🥰 1 💖 3

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Calendar

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Post

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# Media Queries



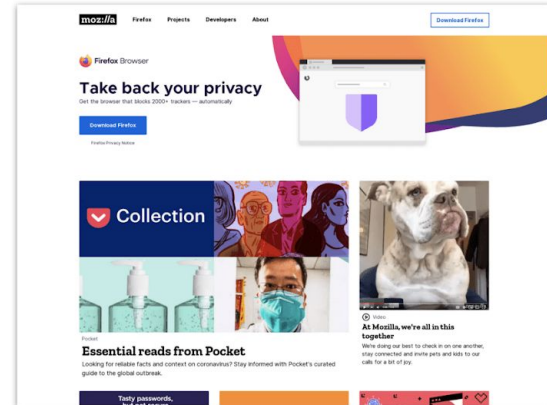
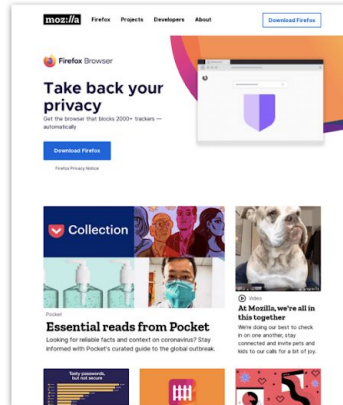
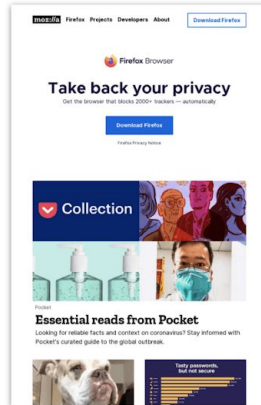
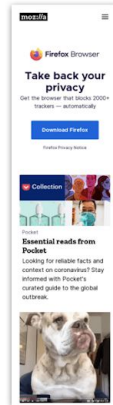
Implement Auth in Any Application in Just Five Minutes.

ads via Carbon

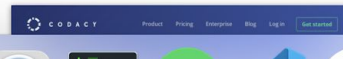
## Mozilla



<https://mediaqueri.es/>



## Codacy



# 💡👉 Media Queries

**Media Queries** are a technique we can use in CSS. We use the `@media` rule to include **blocks of CSS properties**, only if our **specified condition** is true.

Screens that are 500px wide or above:

```
@media (min-width: 500px) {  
    /* some styles */  
}
```

Screens that are 500px wide and below:


```
@media (max-width: 500px) {  
    /* some styles */  
}
```



media-queries-demo

# 💡👉 Developer Tools

LIBRARY



SheCodes Plus  
2020

[← Library home](#)

MODULE

P1: Introduction  
to HTML and  
CSS (Week 1)

[⚡ Overview](#)

[✏ Edit](#)

Overview

In this module we'll introduce HTML and CSS, the building blocks of the web!

Objectives

Comprehend what HTML and CSS are, and how they work together to create webpages.

Comprehend what the DOM is.

Demonstrate basic HTML and CSS skills by creating very simple, styled webpages.

Implement simple responsive designs using CSS media queries.

Recognise what the developer tools in a web browser can be used for.

Understand what a website is and how they can be used to design websites.

Inspector

Console

Search HTML

```
<section class="container content-block">
  <div class="tile image-back full" style=
    /storage/Images/mNrgsJ6RpgE6f8WYo/origin
    350px"></div>
  <div class="tile full">
    <div class="tile full">
      <h3>Objectives</h3>
      <div>
        <p>
          <span style="color: rgb(0, 0, 0);
            ...></span>
```

Rules Layout Computed Changes Fonts

Filter Styles :hov .cls

Pseudo-elements

This Element

element {	inline
.layout-main-holder .layout-main-content	inline:3
.container {	
max-width: 1000px;	
}	
.layout-main-holder .page-header > div {	inline:3
padding-bottom: 4rem;	
}	
.container {	inline:3
max-width: 1200px;	
padding: 0 2rem;	
padding-bottom: 0px;	
width: 100%;	
box-sizing: border-box;	
}	

# 👉 Writing Media Queries

Open `introduction-to-media-queries` in your code editor, then open `index.html` in a web browser.

No matter the size of the screen, you'll see a layout of 4 `divs` layered one above the other.

Let's adapt this so for screens 500px wide or larger, we see two divs per row.

Add the following to `styles.css`:

```
@media (min-width: 500px) {  
  div {  
    display: inline-block;  
    width: 44%;  
  }  
}
```



Refresh your browser and see what changed!

Div One

Div Two

Div Three

Div Four



## 🤔 Challenge

Add another media query to show 4 **divs** in one row for screens of **900px** wide and above.

Change the font size at each breakpoint.

Change the colour of the divs so each row has the some colour divs at each breakpoint.



# Media Queries

**Media Queries** are a technique we can use in CSS. We use the `@media` rule to include **blocks of CSS properties**, only if our **specified condition** is true.

Screens that are 500px wide and below:

```
@media (max-width: 500px) {  
    /* some styles */  
}
```

## 🤔 Challenge

Try changing the media queries from `min` to `max` queries, and order them largest to smallest.

What changes?

