

# RESPONSIVE HTML & CSS

# MEDIA QUERIES

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Media queries allow content to adapt to conditions such as screen resolution

Two components to media queries:

A media type e.g. `screen`

The query e.g. `min-width: 768px`

Resolves to either true or false

If `true`, applies the styles

# CSS MEDIA QUERIES

---

```
@media screen and (min-width: 480px) {  
  body {  
    background-color: red;  
  }  
}
```

CODE

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CODE

```
@media screen and (max-width: 768px) {  
  /* Styles apply to screens narrower than 768px */  
}
```

```
@media screen and (min-width: 768px) and (max-width: 1024px) {  
  /* Styles apply to screens between 768px and 1024px */  
}
```

# RESPONSIVE IMAGES

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```
img {  
  max-width: 100%;  
  height: auto;  
}
```

CODE

# PICTURE ELEMENT

---

```
<picture>
  <source srcset="images/dog-medium.jpg" media="(min-width: 600px)">
  <source srcset="images/dog-large.jpg" media="(min-width: 980px)">
  
</picture>
```

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CODE

# RESPONSIVE META TAG

---

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Document Title</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="style.css">
  </head>
  <body>
    Page content goes here
  </body>
</html>
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# RESPONSIVE CODE CONSIDERATIONS

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Best approach: Design for **mobile** device sizes first

(E.g. columns are 100% width by default, use `min-width` in media queries)

Consider what elements/content is necessary at each size

(In what context is the user viewing the content?)

*Enhance* as screen size increases

Select media query break points based on content, not screen size

**QUESTIONS?**