

RESPONSIVE HTML & CSS

MEDIA QUERIES

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

```
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>
```

CODE

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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>
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RESPONSIVE CODE CONSIDERATIONS

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?