

LEARN WEB

ale66

RECAP

CONCEPTS, A

The responsive approach, ch. 13/14 of the textbook

- sees the page as a collection of *fixed blocks* containing text, AV etc.
- now the size of the physical display matters: smartphone, tablet, laptop or desktop?

THE SETUP

CSS:

```
1 * {  
2   box-sizing: border-box;  
3 }
```

HTML

```
1 <head>  
2   <meta name = "viewport"  
3       content = "width=device-width, initial-scale=1.0">  
4   ...  
5 </head>
```

CONCEPTS, B

The responsive approach, ch. 14 of the textbook

- sees the page as a collection of *fixed blocks* containing text, AV etc.
- now the size of the physical display matters: smartphone, tablet, laptop or desktop?
- blocks are indexed to the display size: 50%, 60% etc.

```
1 div {  
2   width: 50%;  
3   padding: 20px;  
4   border: 5px solid black;  
5 }
```

CONCEPTS, 3

The responsive approach, ch. 13/14 of the textbook

- sees the page as a collection of *fixed blocks* containing text, AV etc.
- now the size of the physical display matters: smartphone, tablet, laptop or desktop?
- blocks are indexed to the display size: 50%, 60% etc.
- CSS scales blocks to actual sizes
- menus and block may appear/disappear or be stacked up differently

THE MAGICIAN, A

```
1  /* don't normally show these elements */
2  .quotation {
3      display: none;
4      padding-right: 1.67%;
5  }
```

THE MAGICIAN, B

Media queries change the CSS at runtime to adapt it to the display

```
1  /* don't normally show these elements */
2  .quotation {
3      display: none;
4      padding-right: 1.67%;
5  }
```

```
1  @media (min-width: 750px) {
2      /* ok, it's a big screen:
3          show quotations */
4      .quotation {
5          display: block;
6      }
7  }
```


CONSEQUENCES FOR IMAGES

Images might be zoomed in or out

zooming can be blocked

```
1  img {  
2      max-width: 100%;  
3      height: auto;  
4  }
```

When image quality matters, it's better to have 3/4 versions of the same image at different resolution and aspect ratio

CONSEQUENCES FOR TEXT

Fixed text, expressed in `px`, is going to clash with the boxes (see example)

Relative font size, `rem` is the way

However, all visible boxes should also be made relative:
we end up with a CSS full of `%` symbols and no `px`

A bit labour-intensive Take 10 minutes to work on
exercise 14-4