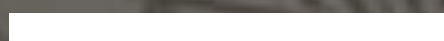


7

RESPONSIVE



7.1 The Movement

7.2 Nested Media Queries

7.3 Respond-To

7.4 Responsive Pitfalls



Responsive design rapidly
progressed beyond *good idea*
and into **common practice**

7.1 The Movement



Media Queries

- Easier fluid calculation and media query handling
- Journey Into Mobile

7.1 The Movement



Media Queries

Basic construction:

application.css

```
.sidebar {  
  border: 1px solid #ccc;  
}  
▶ @media (min-width: 700px) {  
  .sidebar {  
    float: right;  
    width: 30%;  
  }  
}
```

7.1 The Movement



```
.sidebar {  
  border: 1px solid #ccc;  
}  
@media (min-width: 700px) {  
  .sidebar {  
    float: right;  
    width: 30%;  
  }  
}
```

7.2 Nested Media Queries



application.scss

```
.sidebar {  
  border: 1px solid #ccc;  
  @media (min-width: 700px) {  
    float: right;  
    width: 30%;  
  }  
}
```

application.css

```
.sidebar {  
  border: 1px solid #ccc;  
}  
@media (min-width: 700px) {  
  .sidebar {  
    float: right;  
    width: 30%;  
  }  
}
```



7.2 Nested Media Queries



7.1 The Movement

7.2 Nested Media Queries

7.3 Respond-To

7.4 Responsive Pitfalls



- `@content` - pass a block of properties to a mixin



application.scss

```
.sidebar {  
  border: 1px solid #ccc;  
  @media (min-width: 700px) {  
    float: right;  
    width: 30%;  
  }  
}
```

application.css


```
.sidebar {  
  border: 1px solid #ccc;  
}  
@media (min-width: 700px) {  
  .sidebar {  
    float: right;  
    width: 30%;  
  }  
}
```

7.3 Respond-To



application.scss

```
@mixin respond-to {  
  @media (min-width: 700px) {  
    @content  
  }  
}  
.sidebar {  
  border: 1px solid #ccc;  
  @include respond-to {  
    float: right;  
    width: 30%;  
  }  
}
```

 always outputs the same media query

application.css

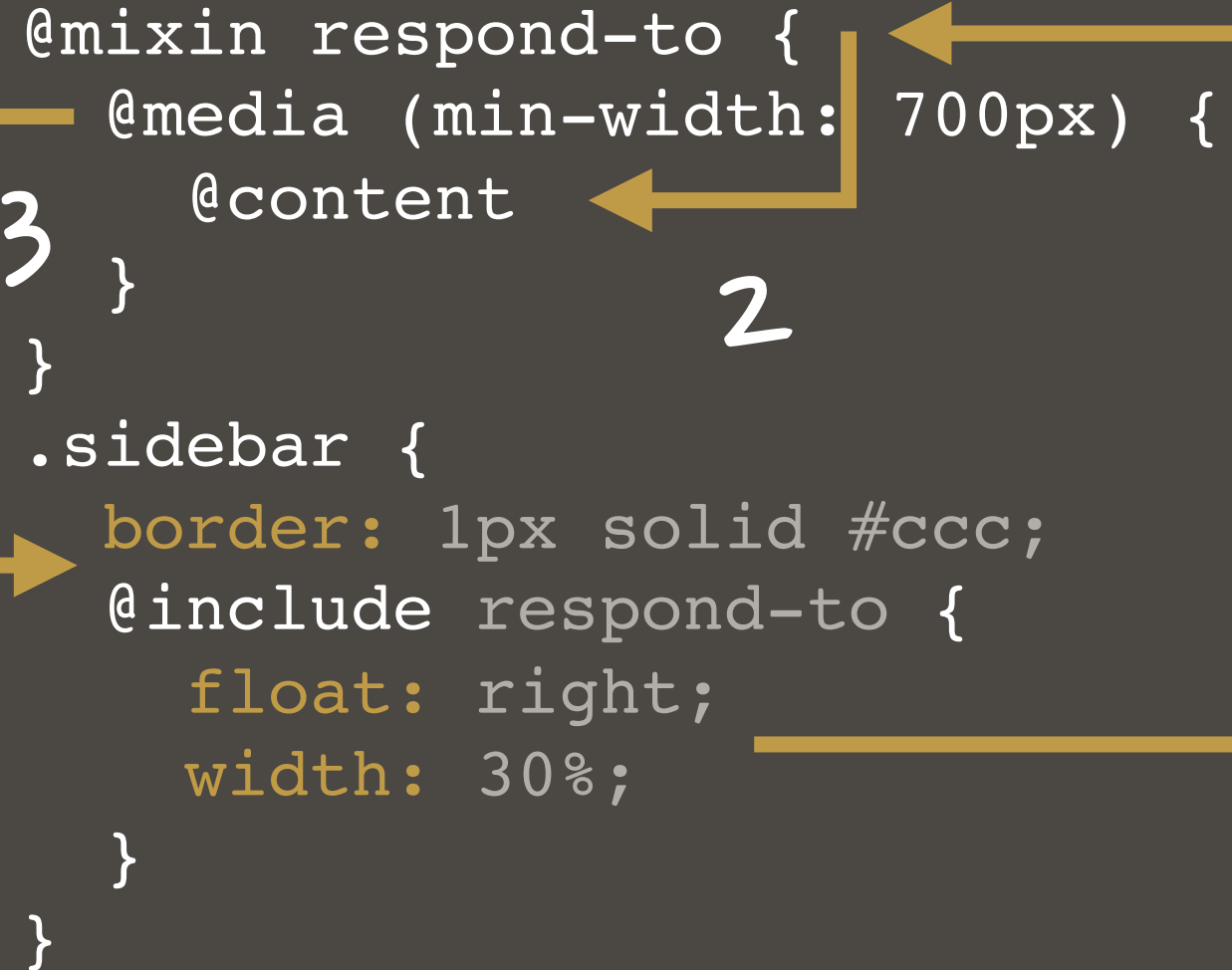
```
.sidebar {  
  border: 1px solid #ccc;  
}  
@media (min-width: 700px) {  
  .sidebar {  
    float: right;  
    width: 30%;  
  }  
}
```

7.3 Respond-To



application.scss

```
@mixin respond-to {  
  3 @media (min-width: 700px) {  
    2 @content  
  }  
}  
.sidebar {  
  border: 1px solid #ccc;  
  @include respond-to {  
    float: right;  
    width: 30%;  
  }  
}
```



application.css

```
.sidebar {  
  border: 1px solid #ccc;  
}  
@media (min-width: 700px) {  
  .sidebar {  
    float: right;  
    width: 30%;  
  }  
}
```

7.3 Respond-To



application.scss

```
@mixin respond-to($media) {  
  @if $media == tablet {  
    @media (min-width: 700px) {  
      @content  
    }  
  }  
}  
.sidebar {  
  border: 1px solid #ccc;  
  @include respond-to(tablet) {  
    float: right;  
    width: 30%;  
  }  
}
```

application.css

```
.sidebar {  
  border: 1px solid #ccc;  
}  
@media (min-width: 700px) {  
  .sidebar {  
    float: right;  
    width: 30%;  
  }  
}
```

7.3 Respond-To



application.scss

```
@mixin respond-to($query) {  
  @media (min-width: $query) {  
    @content  
  }  
}  
.sidebar {  
  border: 1px solid #ccc;  
  @include respond-to(900px) {  
    float: right;  
    width: 30%;  
  }  
}
```

application.css

```
.sidebar {  
  border: 1px solid #ccc;  
}  
@media (min-width: 900px) {  
  .sidebar {  
    float: right;  
    width: 30%;  
  }  
}
```

7.3 Respond-To



application.scss

```
@mixin respond-to($val, $query) {  
  @media ($val: $query) {  
    @content  
  }  
}  
.sidebar {  
  border: 1px solid #ccc;  
  @include respond-to(max-width,  
600px) {  
    float: right;  
    width: 30%;  
  }  
}
```

application.css

```
.sidebar {  
  border: 1px solid #ccc;  
}  
@media (max-width: 600px) {  
  .sidebar {  
    float: right;  
    width: 30%;  
  }  
}
```



7.3 Respond-To



7.1 The Movement



7.2 Nested Media Queries



7.3 Respond-To



7.4 Responsive Pitfalls



Declarations outside @media cannot be extended inside:

application.scss

```
.sidebar {  
  border: 1px solid #ccc;  
}  
.callout {  
  @media (min-width: 700px) {  
    @extend .sidebar;  
    width: 35%;  
  }  
}
```

deprecation warning for now,
compile error soon

7.4 Responsive Pitfalls



application.scss

```
@media (min-width: 700px) {  
  .content {  
    border: 1px solid #ccc;  
  }  
  .aside {  
    @extend .content;  
    width: 35%;  
  }  
}
```

extending something
in the same
media query is ok

application.css

```
@media (min-width: 700px) {  
  .content,  
  .aside {  
    border: 1px solid #ccc;  
  }  
  .aside {  
    width: 35%;  
  }  
}
```

7.4 Responsive Pitfalls



Matching media queries are not combined:

application.scss

```
.sidebar {  
  @media (min-width: 700px) {  
    width: 50%;  
  }  
}  
.callout {  
  @media (min-width: 700px) {  
    width: 35%;  
  }  
}
```

application.css

```
@media (min-width: 700px) {  
  .sidebar {  
    width: 50%;  
  }  
}  
@media (min-width: 700px) {  
  .callout {  
    width: 35%;  
  }  
}
```

7.4 Responsive Pitfalls



Sometimes, manual combination is best:

application.css

```
@media (min-width: 700px) {  
  .sidebar {  
    width: 50%;  
  }  
  .callout {  
    width: 35%;  
  }  
}
```

7.4 Responsive Pitfalls



ASSEMBLING SASS



PROPERTY OF:
CODE SCHOOL

PROJECT DATE:
SEP. 2012



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STANDARD
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