

RESPONSIVE WEB DESIGN

*With fluid grids for desktop,
tablet and mobile.*



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A BRIEF HISTORY

How do we cope with users having a range of different size devices?

- The pre-design era
 - The canonical screen size
 - The (non) impact of mobiles
 - The Epoch (25 May 2010)
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A DEFINITION

The ingredients:

- Flexible grid-based layout
- Flexible images and media
- Media queries

“Responsive Web Design”

FLEXIBLE GRID-BASED LAYOUT

A layout based on proportions rather than absolute. Think in percentages rather than pixels.

$$\text{result} = \text{target} / \text{context}$$

```
Width: 900px; /* of a 960 wide frame */
```

```
Width: 93.75%; /* 900px / 960px */
```

FLEXIBLE IMAGES AND MEDIA

Images should scale with the flexible grid.

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

Not just images but other media too.

```
img, embed, object, video { ... }
```

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