http://supermobile.dk/pdf/GridSystem/WebDesign.pdf

Resposive Web Design (RWD)

Adaptive Web Design (AWD)

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What is the difference between responsive vs. adaptive web design?

http://www.techrepublic.com/blog/web-designer/what-is-the-difference-between-responsive-vs-adaptive-web-design/

http://en.wikipedia.org/wiki/Responsive_web_design

Resposive Web Design RWD

→ Focus on CSS3, Media Query, Fluid Grid System, flexible Images, flexible videos and fluid type

Adaptive Web Design AWD

→ Focus on the 3 layers of progressive enhancement

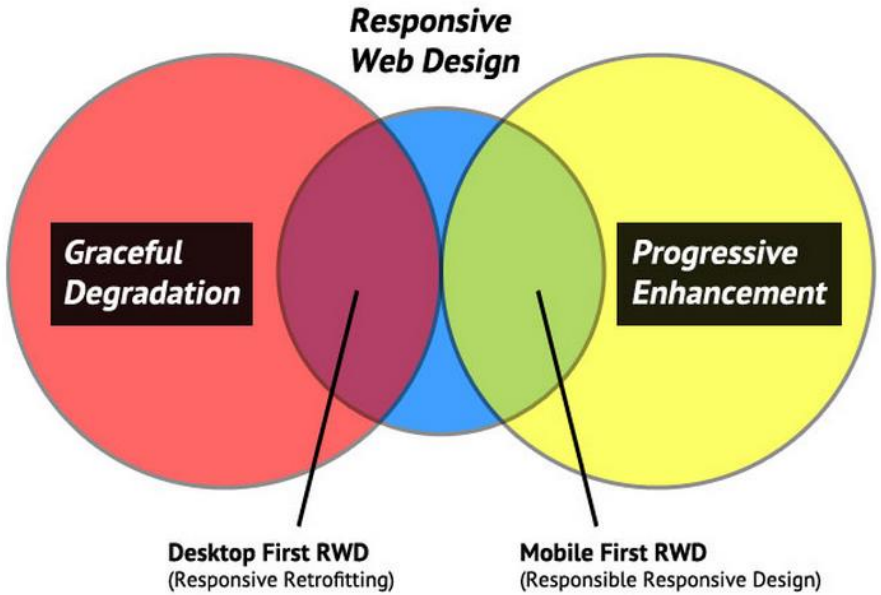
1. Content layer = rich semantic HTML markup
2. Presentation layer = CSS and styling
3. Client-side scripting layer = JavaScript or jQuery behaviors

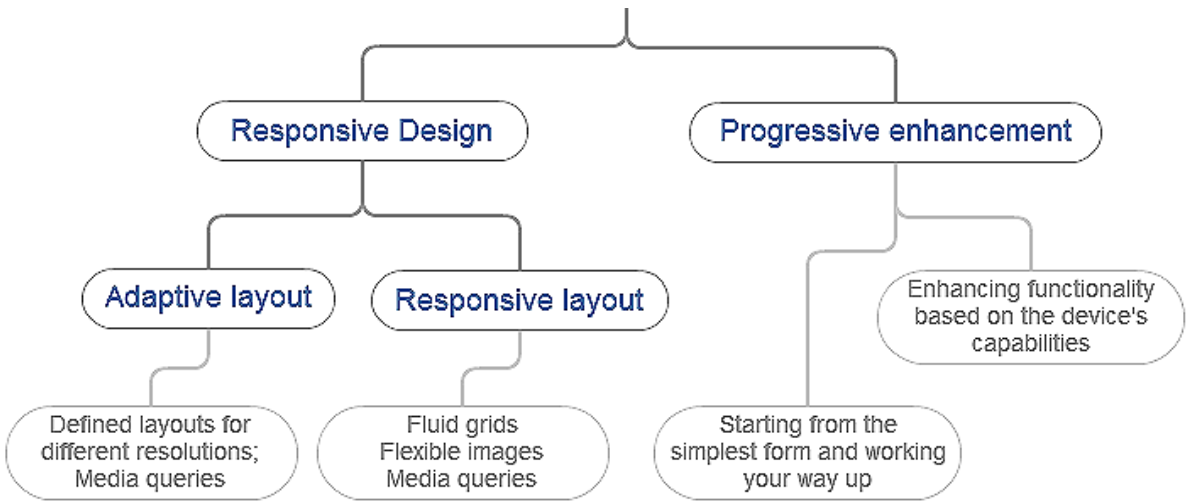
What is the difference between responsive vs. adaptive web design?

The biggest similarity between the two methods is that they both allow websites to be viewed in mobile devices and various screen sizes, ultimately providing visitors with a better mobile user experience. Where the two methods differ is in their *delivery* of the responsive/adaptive structures:

RWD relying on flexible and fluid grids → HTML5 + CSS3
AWD relying on predefined screen sizes → HTML5 + CSS3 + { scripting }

One of the main distinctions between the two is that RWD might take more code and implementation strategies with the fluid grids, CSS3, and flexible foundations, while AWD has a streamlined, layered approach MVC, which utilizes scripting to assist with adapting to various devices and screen sizes using progressively enhanced Web apps.





Layers of a Progressively Enhanced Website

CSS3 rules
CSS2 rules
CSS1 rules

JavaScript + AJAX (degrees of use)

} Really sings in latest non-MS browsers
IE8 (makes strides)
} Pretty slick, but IE6 can't play. IE7 struggles
} Looks and works better in most browsers

HTML (semantic)
Web Server and CGI
Database

} Foundation of the website/app
Works in all browsers
Default rendering in all browsers
First phase of development

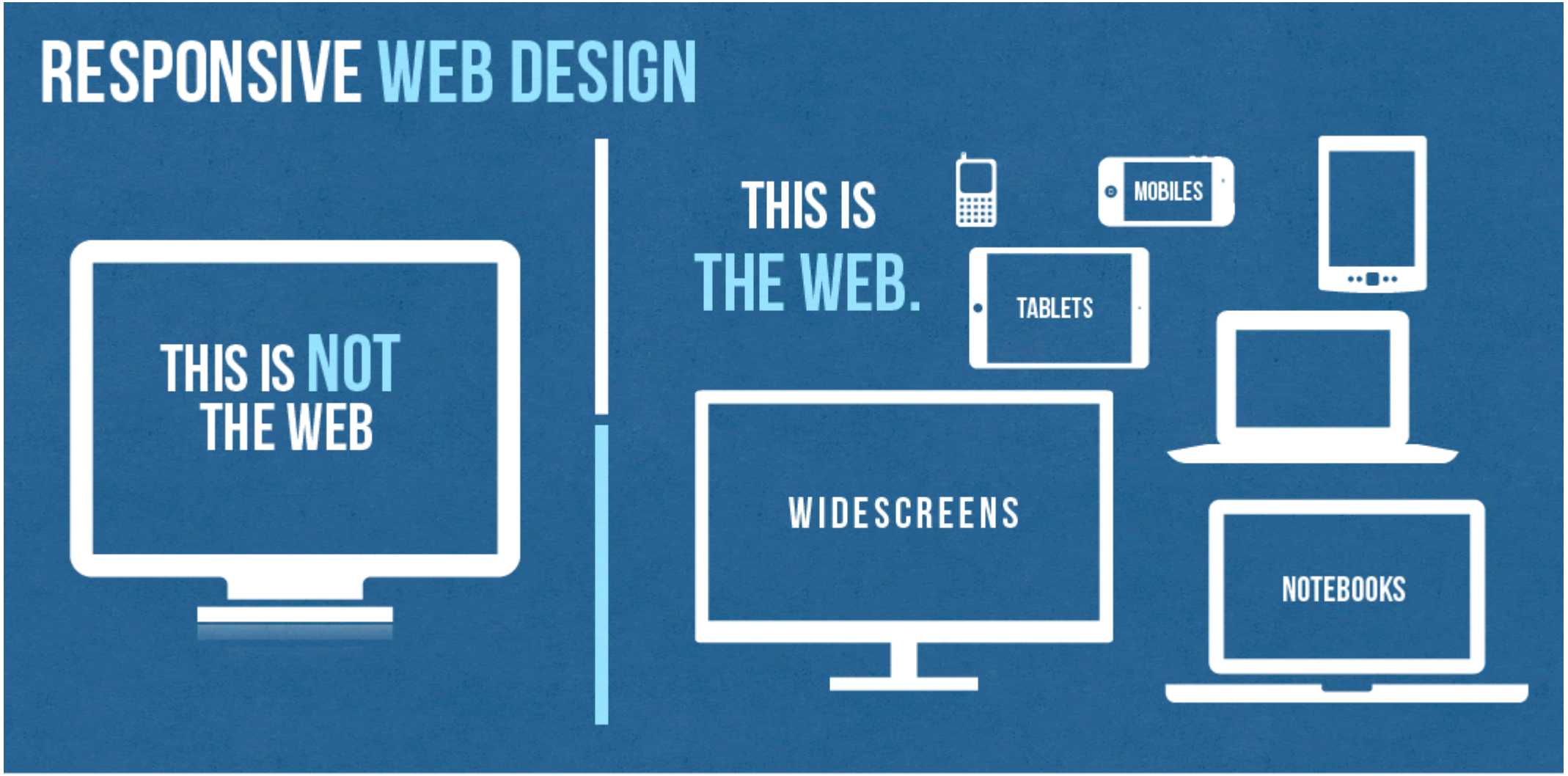
http://en.wikipedia.org/wiki/Progressive_enhancement

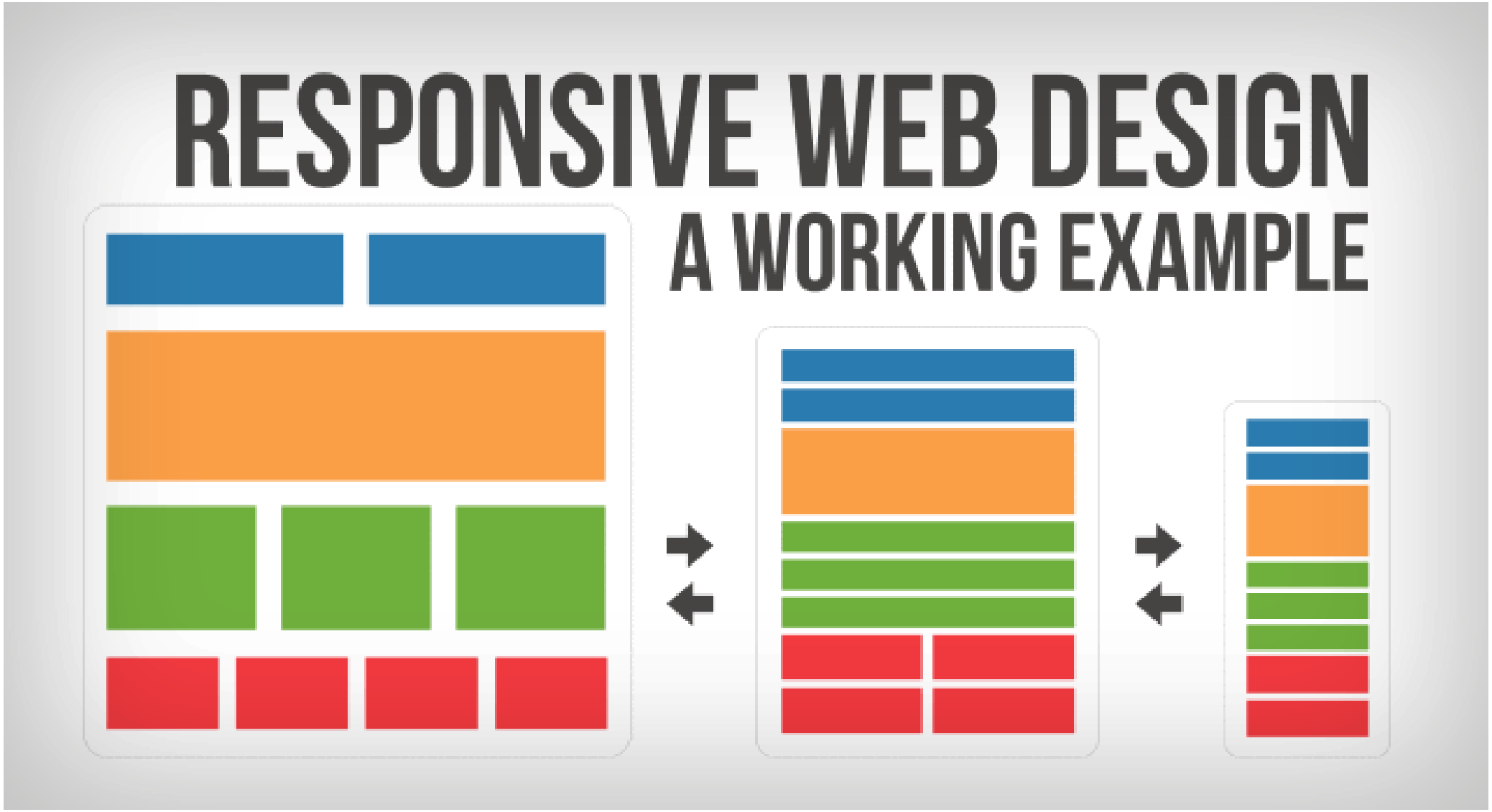
Mobile Design
Adaptive Design
Responsive Design

=

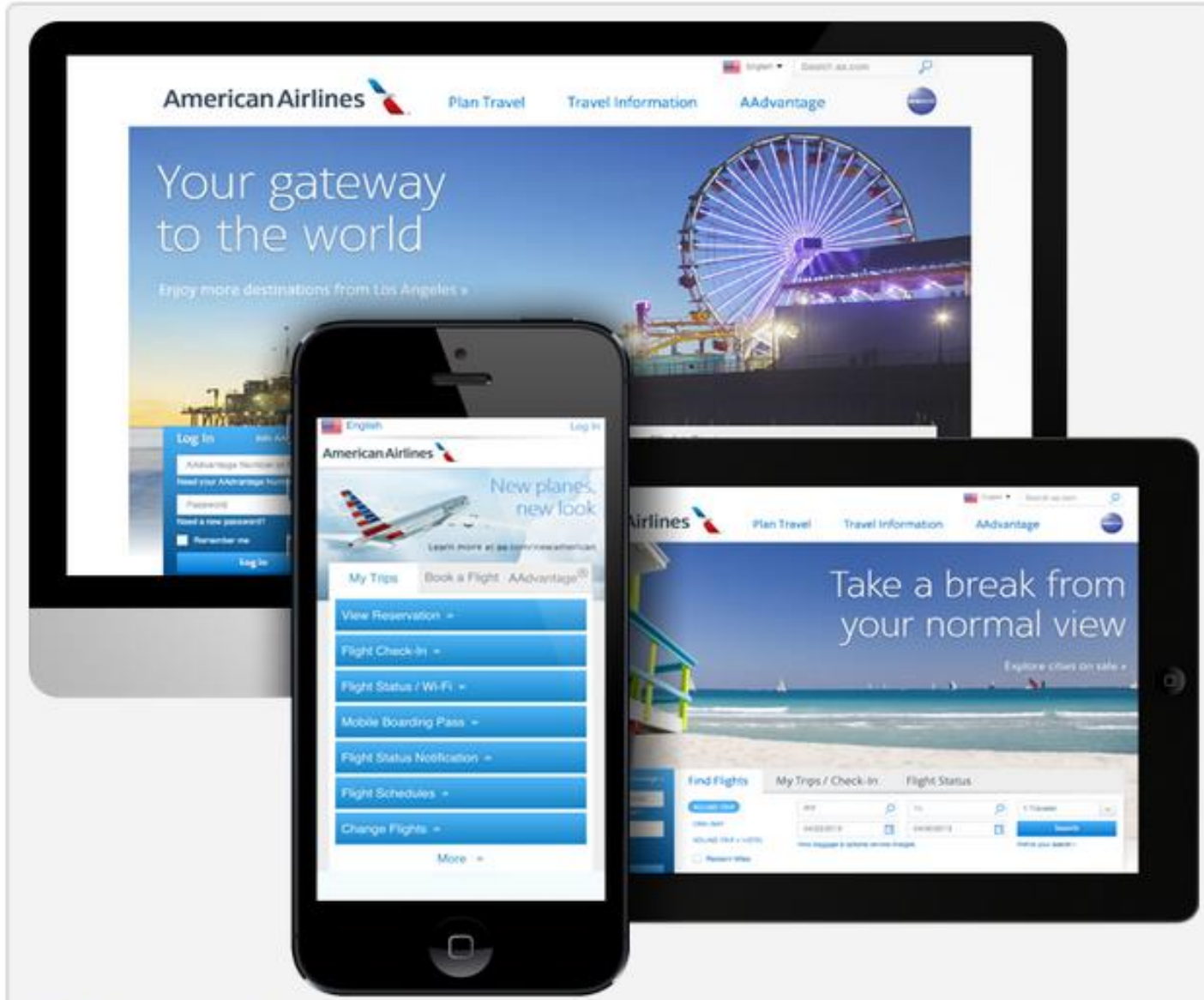
WEB DESIGN

1. Fluid Layouts
2. Adaptive Design
3. Responsive Design


RESPONSIVE WEB DESIGN
THIS IS NOT THE WEB
THIS IS THE WEB.
MOBILES
TABLETS
WIDESCREENS
NOTEBOOKS



Responsive Web Design means the content responds to whatever screen size it is on



Adaptive Web Design means the content responds to whatever device it is on

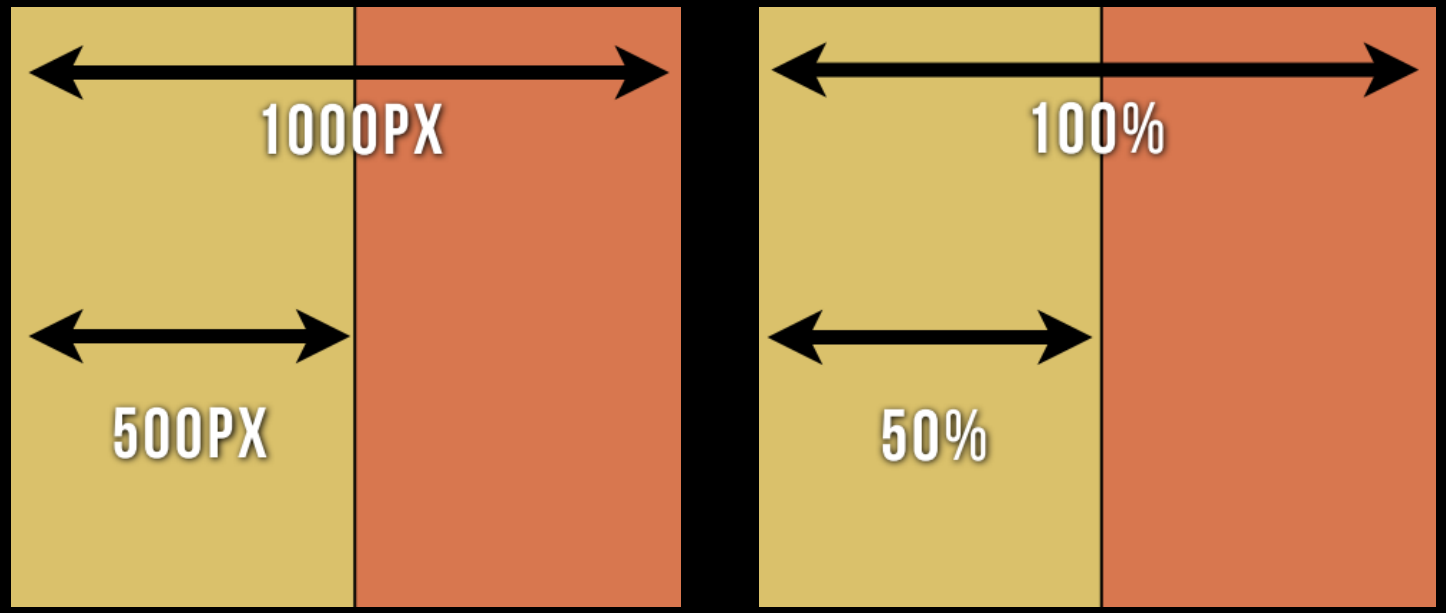
1. Fluid Layouts → limitations with viewport size

2. Adaptive Design → doesn't cover universal web

3. Responsive Design → flexible and universal

Fluid Layouts: Layouts that scale
Fixed Layouts: Layouts that are static

pixels → ems



Adaptive Web Design

Break Points

Media Queries

- *Device*
- *Screen Size*
- *Resolution*

Adaptive Web Design (Media Query)

≤ 320px width

```
@media screen and (max-width: 320px) {
  body {
    font-size: 100%
  }

}
```

Adaptive Web Design (Media Query)

≥ 1024px in width

```
@media screen and (min-width: 1024px) {
   body {
      font-size: 100%
   }

}
```

Resposive Web Design (Resposive MEDIA)

```
img,
embed,
object,
video {
   max-width: 100%;
}
```