

Make Your Theme Responsive

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Introduction

Anca



- Web Developer
- Information Architect
- 15 years of experience in technology & marketing orgs
- Freelancer, Entrepreneur

Tech Liminal



- Technology Hotspot & Salon
- Co-Working & Hackspace
- Workshops, Meetups
- Expert, friendly help with web & social media

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Agenda

- What is “Responsive”
- Design considerations
- A Quick How-To
- Resources for Learning

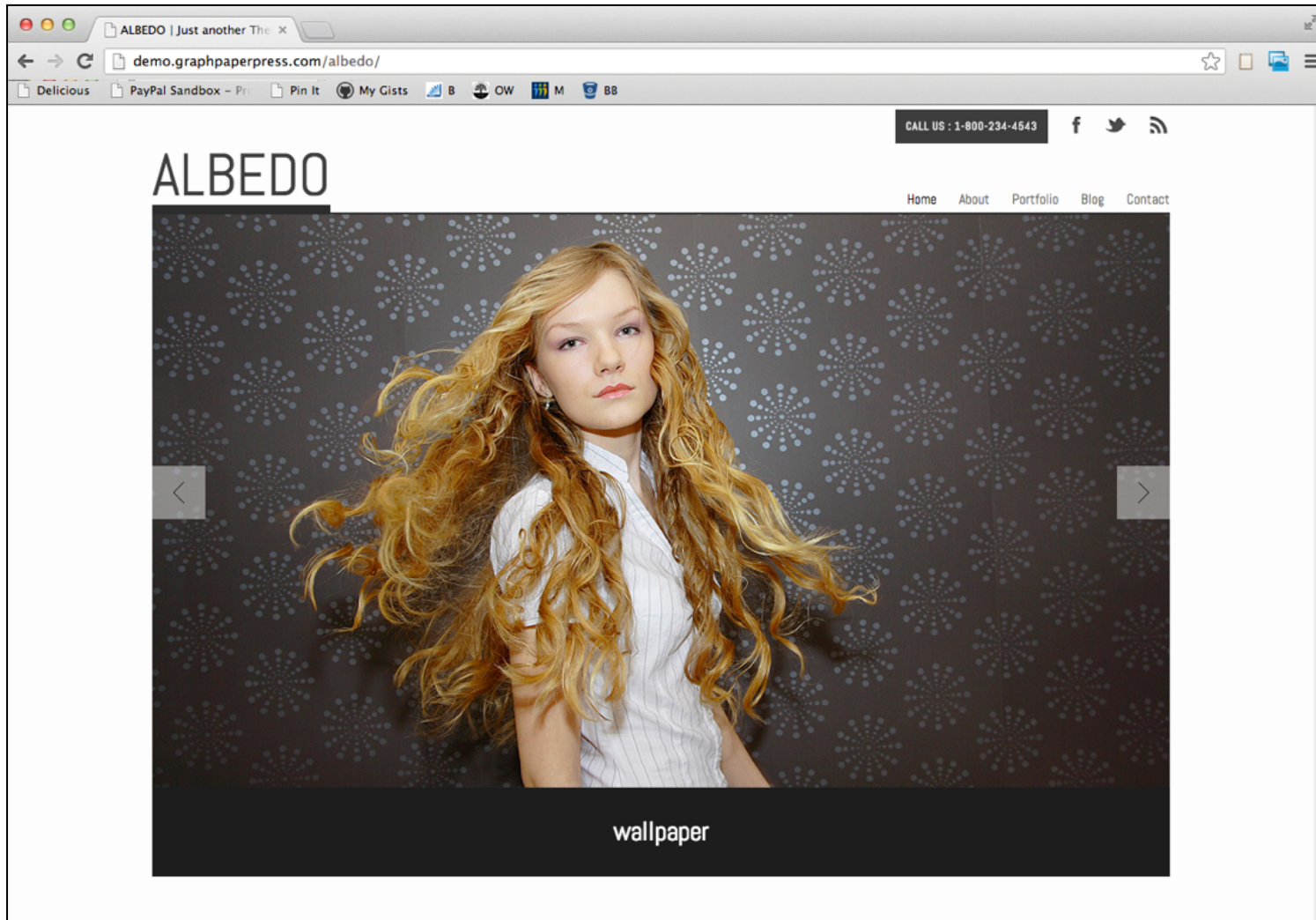
What is Responsive Design?

- sites provide an optimum viewing experience on many devices (mobile, tablet, full-screen)
- uses CSS, sometimes JavaScript to resize, move, or hide elements based on their priority
- WordPress themes that are Responsive abound

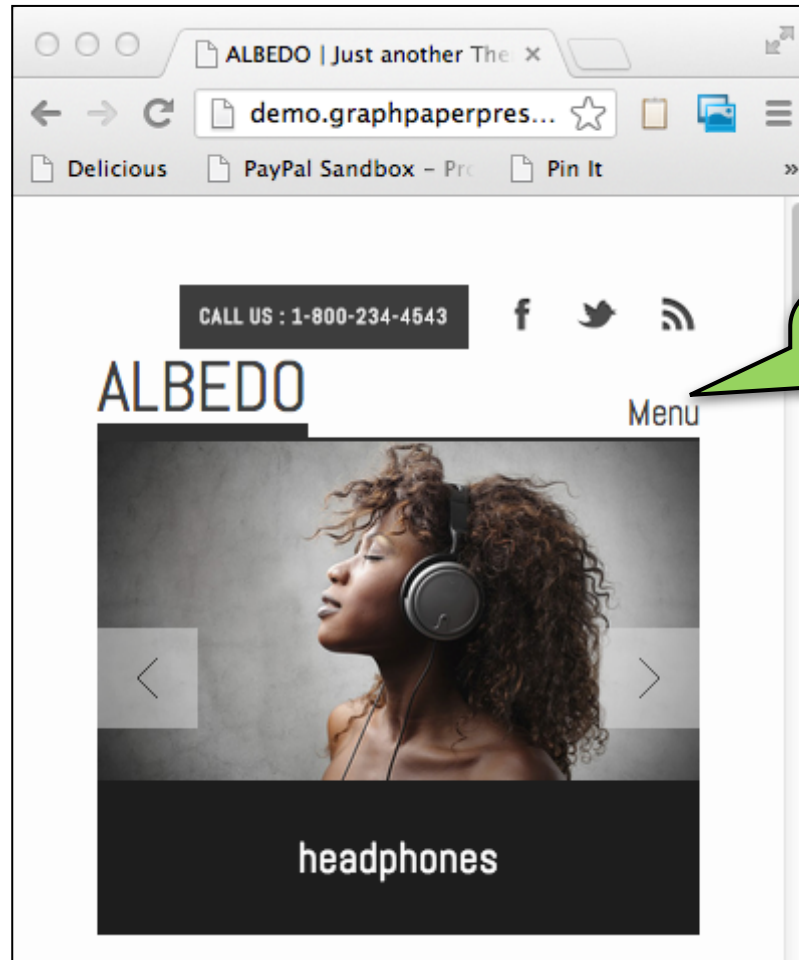
Some Examples

- <http://wordpress.org/extend/themes/responsive> (WordPress.org theme)
- <http://demo.studiopress.com/agency/> (Agency from StudioPress)
- <http://demo.graphpaperpress.com/albedo/> (Albedo from Graph Paper Press)
- <http://css-tricks.com/> - Fluid responsive theme

Albedo - full-screen



Albedo - Mobile



Compressed Menu

“Breakpoints”

- Screen width at which your site switches from one to another type of layout
- Typically:
 - 240, 320, 480, 650, 800, 960, etc
- Number of breakpoints determine the number of different layouts and sizes to code

In-depth view of Albedo

See Attached Wireframes

Media Query in your CSS

- Specify the screen sizes at which your layout changes - one for each
- You can add any CSS declarations in there which apply to only that device & screen size
- Put all your sizes in here

```
@media screen and (max-width: 699px) and (min-width: 520px)
{
    .widget {
        min-width: 100px ;
        max-width: 33%;
    }
}
```

Fluid Layouts

- Albedo theme uses Pixel widths (as do many of the responsive themes)
- <http://css-tricks.com/> - this one is a fully fluid layout - the site fills up the width of the browser
- LOTS of percentage sizes

Box-Sizing - Border-Box

- Make it easier to keep track of how big things are
- CSS3 box-sizing property lets you set the sizes of your columns in a more natural way:
 - <http://paulirish.com/2012/box-sizing-border-box-ftw/>

Can I make my theme responsive?

- HTML is generated so that high-priority content can be placed above lower-priority content (e.g. `<div id=content></div><div id=sidebar></div>`)
- Some Gotchas:
 - Background images don't scale (so won't work for fluid)
 - All your widgets also need to contain responsive elements
 - Embedded videos with hard-coded sizes won't work - this is content cleanup
 - IE and media queries

Resources

Useful Links

- <http://css-tricks.com/> - tutorials for all sorts of CSS things
- [**http://www.queness.com/post/11314/everything-you-need-to-build-a-css3-responsive-fluid-layout**](http://www.queness.com/post/11314/everything-you-need-to-build-a-css3-responsive-fluid-layout) - Great list of useful HTML/JS tools that you can integrate into your theme if you are a programmer
- <http://mattkersley.com/responsive/> - Test your responsive site
- Responsive themes on WordPress.org: <http://wordpress.org/extend/themes/search.php?q=responsive>
- QuirksMode: Learn about browser quirks and CSS: <http://quirksmode.org/>

Q & A