



# Responsive Design with WordPress

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Who Am I?\*

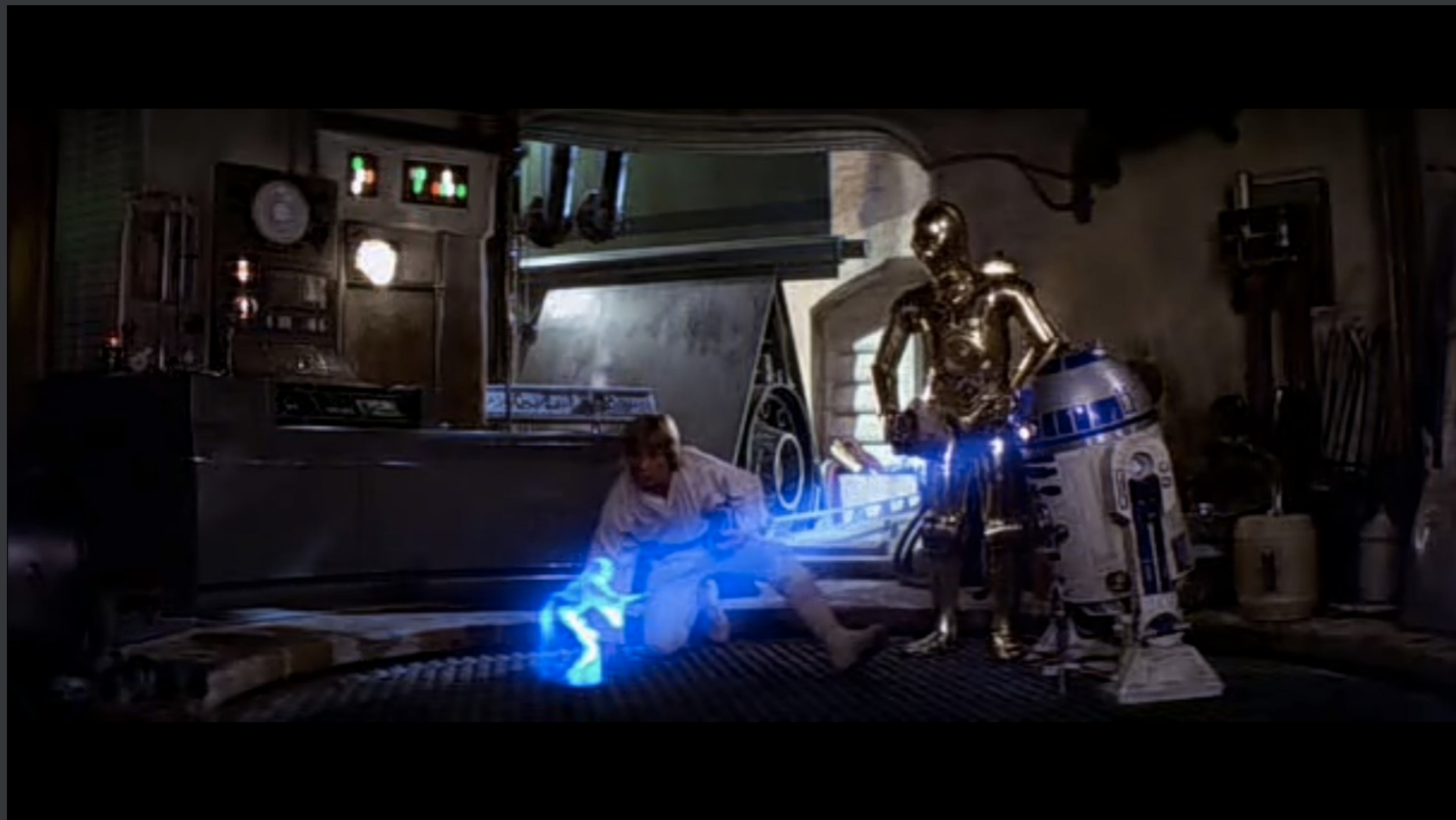
\*Besides a handsome devil



“Responsive Web Design: The idea that your website will automatically adapt to the device it's being viewed on.”

Why?





# How?

- ❖ EM-Based Breakpoints
- ❖ Breakpoints based on Content
- ❖ Consider Connection Speeds

# RESS ❖

My Plugin: [rwdwp.com/22](http://rwdwp.com/22)

❖ Jesse's: [rwdwp.com/35](http://rwdwp.com/35)



# WURFL Database

- ❖ Device Detection
- ❖ Feature Detection
- ❖ Open Source
- ❖ Scientia Mobile

| Free             | Basic                       | Standard                    | Premium                |
|------------------|-----------------------------|-----------------------------|------------------------|
| \$0 per month    | \$10 per month              | \$40 per month              | \$500 per month        |
| 5 capabilities   | 5 capabilities              | 10 capabilities             | Unlimited capabilities |
| 5,000 detections | 50,000 detections           | 2 million detections        | 10 million detections  |
| 1 IP, 1 domain   | 1 IP, 1 domain              | 3 IPs, 2 domains            | 25 IPs, 3 domains      |
|                  | \$5/mo per extra capability | \$5/mo per extra capability |                        |
| Sign Up          | Sign Up                     | Sign Up                     | Sign Up                |

[rwdwp.com/20](http://rwdwp.com/20)

```
wp_is_mobile()
```

```
function jlc_is_mobile_device($apikey) {
    try{
        $config = new WurflCloud_Client_Config();
        $config->api_key = $apikey;
        $client = new WurflCloud_Client_Client
($config);
        $client->detectDevice();

        return $client->getDeviceCapability
('is_wireless_device');
    }catch (Exception $e){
        return wp_is_mobile();
    }
}

define( ' ISMOBILE', jlc_is_mobile_device());
```

```
if (ISMOBILE) {  
    //display one way  
}else{ //not mobile device  
    //display different way  
}
```

# Responsive Workflow

❖ Sketch

❖ Code

❖ Test

❖ Repeat

CASAP.com



WATER  
DROPLET  
LIFE CYCLE

Home

About

Services

Contact

Word  
Press  
Show

I wrote a Post

I ALSO MAKE WEBSITES



I like to talk  
on  
4/27/12  
5/5/12  
6/11/12

Back Me!





Mobile First!



“I use the web completely differently on mobile devices.

- No One

# Design in the Browser



# General Notes for Page Weight

# When You Can't Use a new Design

- ❖ Do a Content Audit
  - ❖ Ask What's the most important
  - ❖ (to your users)
- ❖ Start Shrinking
- ❖ Test...a lot.



Make it Work with  
WordPress

# Navigation

❖ Do Nothing

❖ Hide n' Cry

❖ Jump to

❖ Select Box

❖ Responsive Nav

❖ Off-Canvas

```
<nav id="main">
  <?php
    if(!ISMOBILE) {
      wp_nav_menu( array('menu' => 'Main',
'container_id' => 'top-menu')) ;
    }else{
      echo '<a href="#footernav">Jump to
Nav</a>';
    }
  ?>
</nav>
```

```
<?php if (ISMOBILE) { ?>
  <nav id="footer-nav">
    <?php wp_nav_menu( array('menu' =>
'Main')) ; ?>
  </nav>
<?php } ?>
```

# Comments

- ❖ Incremental Loading (<http://rwdwp.com/45>)
- ❖ Paginated
- ❖ Separate Page (<http://rwdwp.com/46>)

# Responsive Images

# picturefill.js

2.0 is out: <http://rwdwp.com/96>



```
<picture>
  <!--[if IE 9]><video style="display: none;"
><![endif]-->
  <source srcset="extralarge.jpg" media="(min-
width: 1000px)">
  <source srcset="large.jpg" media="(min-width:
800px)">
  <source srcset="medium.jpg">
  <!--[if IE 9]></video><![endif]-->
  <img srcset="medium.jpg" alt="A giant stone
face at The Bayon temple in Angkor Thom, Cambodia">
</picture>
```

# Updating Plugin

- ❖ Replace Featured Images
- ❖ Check for `<picture>` element first, fallback to `picturefill.js`

```
$(function() {  
    $(".post img").removeAttr("width").removeAttr  
("height");  
});
```

Images Are Hard!

```
@media (-webkit-min-device-pixel-ratio: 2), (min-  
resolution: 192dpi) {  
    /* Retina-specific stuff here */  
}
```

```
<span data-src="retina.jpg" data-media="(-webkit-  
min-device-pixel-ratio: 2) and (min-resolution:  
192dpi)"></span>
```

# Helpful Updates to Core

A large, semi-transparent watermark of the WordPress logo is centered in the background of the slide. The logo consists of a large, stylized letter 'W' inside a circle.

- ❖ HTML 5 Elements (figure, figcaption)
- ❖ Better Media Embeds (consider for themes)

# HTML5 Galleries!

```
add_theme_support( 'html5', array( 'gallery'  
'caption' ) );
```

<http://rwdwp.com/97>

Testing



- ❖ iPhone 4, 5
- ❖ iPad 2 or new iPad
- ❖ Android 4.0+ Phones: Galaxy Nexus, Galaxy Note II, S3 or S4, Droid Incredible (one of them), Droid DNA or Razor Mxxx
- ❖ Android pre-4.0 Phones: Moto DroidX, Evo4G
- ❖ Android Tablets: Nexus 7, 10, Samsung Galaxy Note 10, Galaxy Tab 8.9, Kindle Fire, Moto XOOM
- ❖ At least one Blackberry (Q10, Z10)
- ❖ At least one Windows Phone (Lumia or HTC 8x)

# Devices

# Connectivity

- ❖ Broadband (wired or wireless connection)
- ❖ 4G (on multiple carriers if possible)
- ❖ 3G (on multiple carriers if possible)
- ❖ 4G and 3G while traveling

- ❖ The device's native browser (Safari, Browser, etc)
- ❖ Chrome on Android and iOS
- ❖ Mobile Opera
- ❖ Dolphin
- ❖ Mobile Firefox

# Browsers!

Slides will be at [casabona.  
org/events](https://casabona.org/events)

# Questions?

Discount Code: **RWDWP** with you order from  
[peachpit.com](https://peachpit.com)