

Advanced Web Development: Media-Specific Styles

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1

1

You've been using this:

```
<link rel="stylesheet" type="text/css"
      href="print.css">
```

2

2

Actually,

```
<link rel="stylesheet" type="text/css"
      href="print.css">
```

is the same as

```
<link rel="stylesheet" type="text/css"
      href="print.css" media="all">
```

3

3

10 defined media types:

all
aural
braille
embossed
handheld
print
projection
screen
tty
tv

4

4

```
<style type="text/css">
@media print {
  body {
    font-size: 10pt; background: white;
  }
}

@media screen {
  body {
    font-size: medium; background: black;
  }
}
</style>
```

5

5

```
<head>
<link rel="stylesheet" type="text/css"
href="screen.css" media="screen">

<link rel="stylesheet" type="text/css"
href="print.css" media="print,projection">
</head>
```

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Media Styles in Action

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```
/* screen display styles */
body {color: silver; background: black;}
a:link {color: yellow; background:
#333333; text-decoration: none;}
a:visited {color: white; background:
#333333; text-decoration: none;}
h1, h2, h3 {color: #CCCCCC; background:
black; padding-bottom: 1px; border-bottom:
1px solid gray;}
```

10

10

```
/* print styles */
body {color: black; background: white;}
a:link, a:visited {background: white;
color: black; text-decoration: underline;
font-weight: bold;}
h1, h2, h3 {background: white; color:
black; padding-bottom: 1px; border-bottom:
1px solid gray;}
div.adbanner {display: none;}
```

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A hint:

To test your print styles,
use Print Preview
instead of actually printing

Common
Print
Styles

```
body {  
  color: #000000;  
  background-color: #ffffff;  
  font-size: 12pt;  
}
```

16

16

```
a:link, a:visited {  
  color: black;  
  text-decoration: underline;  
}
```

17

17

```
a:link:after, a:visited:after {  
  color: black;  
  text-decoration: underline;  
  content: " (" attr(href) ") ";  
}
```

18

18

```
h1, h2, h3 {  
  color: black;  
  padding-bottom: 1px;  
  border-bottom: 1px solid black;  
}
```

19

19

```
div.adbanner, div.sidebar, div.nav {  
  display: none;  
}
```

20

20

```
div.content {  
  float: none;  
}
```

Fixes a bug
with Mozilla-based browsers
printing long floated elements

The 1st page prints,
but nothing else

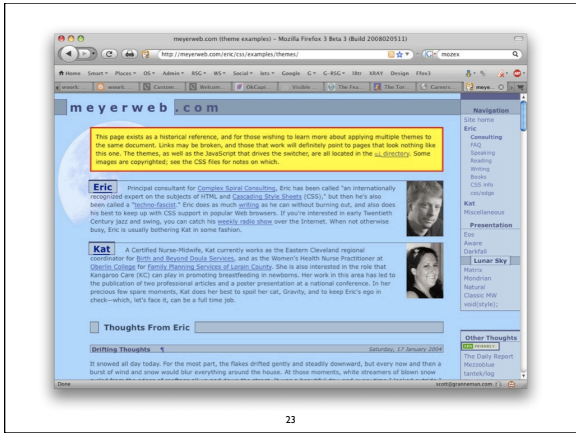
21

21



23

23



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23



23

23

Manual switching

25

25

Users use View > Page Style menus
One style is *preferred*
Others styles are *alternates*

26

26

Preferred

```
<link rel="stylesheet" href="ui/eos.css"
      type="text/css" title="Eos">
```

Alternates

```
<link rel="alternate stylesheet" href="ui/
lunarsky.css" type="text/css" title="Lunar
Sky">
```

```
<link rel="alternate stylesheet" href="ui/
matrix.css" type="text/css"
      title="Matrix">
```

27

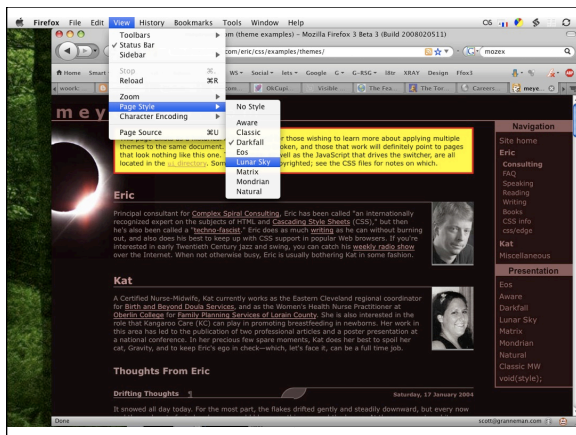
27

```

Source of http://meyerweb.com/eric/css/examples/themes/
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN"
  "http://www.w3.org/TR/REC-html40/loose.dtd">
<html>
<head profile="http://gmpg.org/xfn/1">
<title>meyerweb.com (theme examples)</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
<link rel="home" href="/" title="Home" />
<link rel="alternate" type="application/rss+xml" title="meyerweb.com RSS9.0 Feed" href="http://www.meyerweb.com/eric/thoughts/rss09.xml">
<link rel="alternate" type="application/rss+xml" title="meyerweb.com RSS2.0 Feed" href="http://www.meyerweb.com/eric/thoughts/rss20.xml">
<link rel="alternate stylesheet" href="/ui/aware.css" type="text/css" title="Aware" media="screen, projection">
<link rel="alternate stylesheet" href="/ui/classic.css" type="text/css" title="Classic" media="screen, projection">
<link rel="alternate stylesheet" href="/ui/darkfall.css" type="text/css" title="Darkfall" media="screen, projection">
<link rel="stylesheet" href="/ui/eos.css" type="text/css" title="Eos" media="screen, projection">
<link rel="alternate stylesheet" href="/ui/lorainy.css" type="text/css" title="Lunar Sky" media="screen, projection">
<link rel="alternate stylesheet" href="/ui/matrix.css" type="text/css" title="Matrix" media="screen, projection">
<link rel="alternate stylesheet" href="/ui/mondrian.css" type="text/css" title="Mondrian" media="screen, projection">
<link rel="alternate stylesheet" href="/ui/natural.css" type="text/css" title="Natural" media="screen, projection">
<link rel="stylesheet" href="/ui/basic-print.css" type="text/css" media="print" title="Print styles">
<script type="text/javascript" src="/ui/stylewitch.js"></script>
<style type="text/css">
Warning: 0.25em solid red; background: yellow; color: black; padding: 0.75em;
</style>
</head>
<body id="meyerweb-com" class="ygg">
<div id="system">
<div href="http://www.meyerweb.com/">cssparade y e r w e b </span> . c o m</div>
</div>
<div id="main">
<div class="skipper">Skip to: < a href="#top">site navigation/presentation</a></div>
<div class="skipper">Skip to: < a href="#thoughts">Thoughts From Eric</a></div>
</div>
<div id="warning">
This page exists as a historical reference, and for those wishing to learn more about applying multiple themes to the same document. Like
</div>
<div href="http://ericniebler.com/classic/index.html" title="Eric's Blog">Eric's
</div>
</body>
</html>

```

28



29

Problem #1 with this method:
Users have to know to do it

Problem #2 with this method:
Internet Explorer

30

Disadvantages
Users don't know about it
until they print
or try Print Preview

34

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Print-friendly buttons

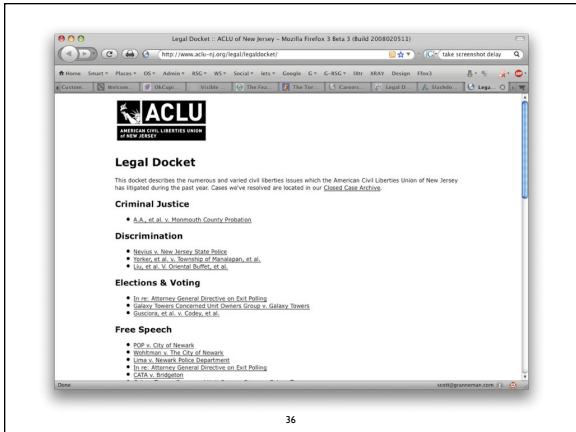
35

35



36

36



36

Creating a Print-Friendly Page with CSS & JavaScript:
The McVicar Method

Provides print CSS if the user clicks the browser's Print button or uses the Print Friendly link

<http://www.granneman.com/webdev/coding/css/printfriendlythemcvicarmet.htm>

37

Code to switch styles with JavaScript

Same as McVicar method, except that a Print dialog box does not automatically open when the Print Friendly page opens

<http://www.granneman.com/downloads/SwitchStylesNoAutoPrint.zip>

38

Code to switch styles with JavaScript
(based on WebSanity's code used on
<http://www.aclu-nj.org>)

Less complicated,
but only provides print CSS
when the user clicks Print Friendly,
NOT if the user clicks
the browser's Print button

[http://www.granneman.com/
downloads/SwitchStylesACLU.zip](http://www.granneman.com/downloads/SwitchStylesACLU.zip)

39

39

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