

# Same Content: Different Media

Cascading Style Sheets enable you to create alternative looks for the same content displayed in different media. For example, a page with a dark background and lots of colors can be problematic when the user decides to print the page. While some designers remedy this situation by providing a link to a “Print Version”, this does not prevent users from printing the version they see on the screen.

By using multiple style sheets, you can create “Smart Pages,” that can look different when printed than they do when they are displayed with the browser. In fact, you can specify different “looks” for the same page for projection, handheld devices, and adaptive devices.

The benefits of this go far beyond making it easier to print. You can actually have certain things displayed in one media that are not visible in the other.

If someone is printing a page, do they really need to see a menu that links someone using a browser to other pages? Think of the limitless possibilities like adding “messages” to printed versions regarding copyright, etc. that can be hidden from viewers on the web.

## Possible *Media* Attribute Values

- all – every device
- aural – speech synthesizers
- braille – braille tactile feedback devices
- handheld – handheld devices
- print – printers
- projection – LED type projection
- screen – computer screens
- tty – fixed font displays such as teletypes
- tv – television

To accomplish this:

- 1) Create a uniquely named copy of your style sheet for each media desired.
- 2) Create a separate style *link* reference for each media, including the appropriate *media* attribute.
- 3) Modify the separate style sheets as needed.

### Create a uniquely named copy of your style sheet

- 1 Open the folder containing your style sheet file.
- 2 Duplicate the style sheet for each media desired by copying, pasting, and renaming. A good naming suggestion is to include the media name as part of the new filename. For example if your original style sheet is *layout.css*, then name your “print duplicate” *layoutprint.css*

### Create a separate style *link* reference in your file

- 1 Take a look at your document’s code and find the following line of code in the *head* section of your document: `<link href="layout.css" rel="stylesheet" type="text/css">`
- 2 Click after `rel="stylesheet"` to add **media="screen"**. The line will now look like this:  
`<link href="layout.css" rel="stylesheet" media="screen" type="text/css">`
- 3 Pull down *File* to *Save*.

### Import external file and designate as print

- 1 In the *CSS* window, click the **Attach File Sheet** icon (chain link).
- 2 Browse to find the file you duplicated above.
- 3 Click the arrow to the right of *Media* and drag to select **Print**. Then click **OK**. You are ready to make changes to style sheets

### Preview other media in Dreamweaver

- 1 To see the effects of changes you make in one style sheet (such as the print styles), pull down *View* to *Style Rendering to Print Media Type*.

### Displaying objects in one media and not in the other

- 1 Be sure that the style sheet files for each media use the same name for the same style.
- 2 For the media in which you want the item to be visible, enter all of the characteristics for the style in the style sheet file associated with that media.
- 3 For the media in which you do not want the item to be visible, in the *Block* category, set the value of *Display* to **none**.

## Creating uniquely named copies

- 1 Open the *DiffMedia* folder, which contains the style sheet file.
- 2 Duplicate both *layout.css* and *text.css* by copying, pasting, and naming the duplicates *layoutprint.css* and *textprint.css*.

## Specifying the style link reference

- 3 Open *diffmedia.htm* from the *DiffMedia* folder with *Dreamweaver*.
- 4 Click the **Code** button at the top of the page and look for following lines of code in the `<head>` section of the document:
 

```
<link href="layout.css" rel="stylesheet" type="text/css" />
<link href="text.css" rel="stylesheet" type="text/css" />
```
- 5 In each line click after `type="text/css"` and add **media="screen"**.
- 6 Click the **Split** or **Design** button at the top of the page and pull down *File* to *Save*.

## Adding the Print style sheets

- 7 In the CSS window notice that existing style sheet files are identified as *screen*.
- 8 Click the *Attach Style Sheet* icon (chain link). Browse to find *layoutprint.css* and click **Choose**.
- 9 Click the arrow to the right of *Media* and drag to **Print**. Click **OK**.
- 10 Repeat steps 8-9 with *textprint.css*.

## Modifying the Styles

- 11 In the CSS window, highlight **.body** in *textprint.css* and click the **edit** icon (pencil). In the *Background* category, change *Background Color* to **#FFFFFF**.
- 12 Pull down *View to Style Rendering to Print Media Type* to preview what this modification would look like if the page was printed.
- 13 Edit the following styles, adding the listed attribute:

<u>File</u>	<u>Style</u>	<u>Category</u>	<u>Attribute</u>	<u>Value</u>
layoutprint.css	#sidebar	Block	Display	none
layoutprint.css	#maincontent	Box	Margin: L	0

- 14 Pull down *File* to *Save*. View the *Style Rendering* in both the *Print* and the *Screen* media types.

## Creating a message that appears only when printed

- 15 Click after *2009* at the far right of the *footer*, press the right arrow key, and insert a line break.
- 16 Pull down *Insert to Layout Objects to Div Tag*, enter **nophotocopy** in *Class* and click **New CSS Rule**.
- 17 When the *New CSS Rule* window appears, choose **textprint.css** in *Rule Definition*.
- 18 In the *CSS Rule Definition* window enter the following settings (and then click **OK** and save)

<u>Category</u>	<u>Attributes</u>	<u>Value</u>	<u>Category</u>	<u>Attributes</u>	<u>Values</u>
Type	Font-family	Times	Block	Text align	Center
	Font-size	16	Box	Margin: T, B	10
	Font-weight	Bold			
	Color	#990000			

- 19 In the newly created *DIV* space, type: **Copies by non-participants permitted after written request.**
- 20 Save your file and view the *Style Rendering* in both the *Print* and the *Screen* media types.
- 21 Highlight the style *.nophotocopy* in *textprint.css* in the *CSS* window.
- 22 Click the arrow in the upper right corner and pull down to **Duplicate**.
- 23 Use the same *Name* for this class (*.nophotocopy*) but change *Define in* to **text.css**.
- 24 In the *CSS* window, edit *.nophotocopy* in *text.css* and set display to **none** in the *Block* category.
- 25 Save your file and view the *Style Rendering* in both the *Print* and the *Screen* media types.