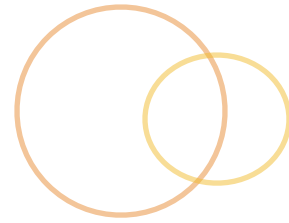


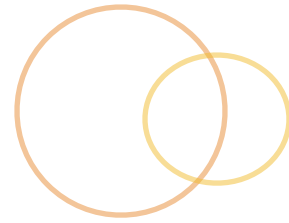
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CSS: Page Layouts



- ⦿ time to get some sun and layout!
 - ⦿ lets think about columns, getting text to flow around images, creating headers and footers, and placing content
 - ⦿ in your arsenal you have dozens of CSS properties changing appearance and element boxes
 - ⦿ time to move from decoration and dressing up to working with the flow
 - ⦿ we can put things anywhere on the screen (with pretty good precision)
 - ⦿ we can move elements to the left and right and allow text to wrap it

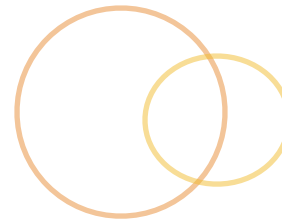
CSS: Page Layouts



⦿ normal flow

- ⦿ text laid out from top to bottom and left to right
- ⦿ block elements stack on top of each other
- ⦿ inline elements line up next to one another (filling block elements)
- ⦿ window resize – blocks expand or contract to new width
- ⦿ objects make room for each other
- ⦿ a nice happy world 😊

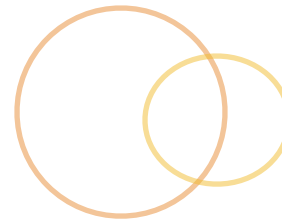
CSS: Page Layouts



◎ floating

- ◎ think of a floated element as a rock in a stream
 - ◎ its is removed from the normal flow but the stream still flows around it
- ◎ float – moves elements far left or far right
 - ◎ used to create multiple columns and navigational toolbars from lists – also makes table”esque” type layouts
 - ◎ value: left | right | none | inherit
 - ◎ default: none
 - ◎ applies to: all elements
 - ◎ inherits: no

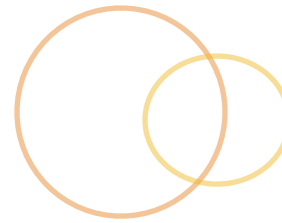
CSS: Page Layouts



◎ floating

- ◎ float – moves elements far left or far right
 - ◎ allows content to float around element
 - ◎ #left, #right both float - #mid is just justified text
 - ◎ if #left was an image, then it would be inline with all the text and there would be lots of wasted space
 - ◎ w/float the text moves freely around the box – the box is removed from its position
 - ◎ we could add margin space around the box so the #middle text wouldn't bump right up against it

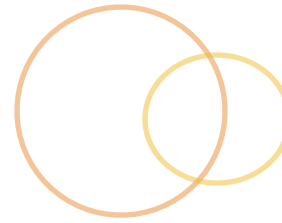
CSS: Page Layouts



◎ floating

- ◎ float inline level– moves elements far left or far right
 - ◎ always provide a width for the float item
 - ◎ if not browsers may expand to widest possible width or collapsing to narrowest possible
 - ◎ floated inline elements behave as block elements –

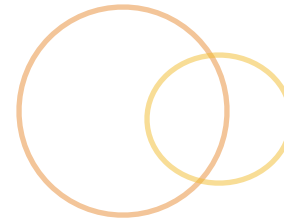
CSS: Page Layouts



◎ floating

- ◎ float block level– moves elements far left or far right
- ◎ look at what happens with a floated block element
 - ◎ kamren/float.blockelements.html
 - ◎ paragraphs flow around block element
 - ◎ top margin = 0 to override browser defaults for <p> margins
 - ◎ you need to provide a width for block level elements(float)
 - ◎ if not the box will fill the whole browser
 - ◎ you can't float above a block level element that precedes it
 - ◎ we can use positioning for this later

CSS: Page Layouts

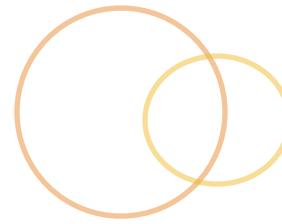


- ◎ floating

- ◎ float multiple elements

- ◎ www.w3.org/www.w3.org/TR/CSS21/visuren.html#floats
 - ◎ www.w3.org/TR/CSS21/visuren.html#float-position

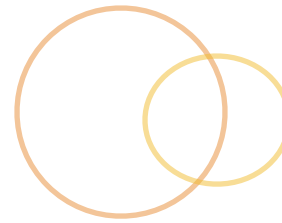
CSS: Page Layouts



◎ floating

- ◎ clear – clearing floating elements – tell an element not to flow around an element to its right, its left, both sides or not at all (none) – apply the clear property to an element prevents it from appearing next to a float element – it starts against the next available clear space below the float
 - ◎ value: left | right | none | inherit
 - ◎ default: none
 - ◎ applies to: all elements
 - ◎ inherits: no
 - ◎ look at [demos/layout/float-clear-left.html](#)
 - ◎ look at [demos/layout/float-clear-right.html](#)
 - ◎ apply clear to the element you want to start below the floated element **NOT THE FLOATED ELEMENT ITSELF!**

CSS: Page Layouts

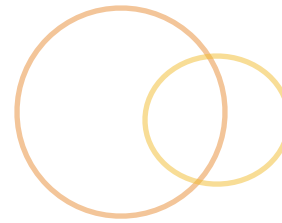


- ◎ floating

- ◎ column layouts with float and clear

- ◎ use multiple floating elements and the width property
 - ◎ columns can contain images, tables, links, lists, etc.
doesn't change any of what we are saying

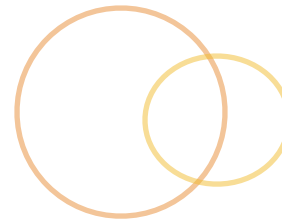
CSS: Page Layouts



◎ floating

- ◎ pretty simple to do columns right?
- ◎ what happens if the window is resized
- ◎ the columns move!!!
- ◎ 2 solutions
 - ◎ containing element that will encapsulate the columns and not let them shrink beyond a certain amount

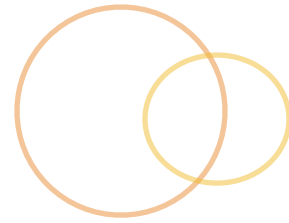
CSS: Page Layouts



⦿ positioning

- ⦿ position – indicates an element is to be positioned and specifies where to place it
- ⦿ values: static | relative | absolute | fixed | inherit
- ⦿ default: static
- ⦿ applies to: all elements
- ⦿ inherits: no
- ⦿ static – the normal way – positioned as they occur in document flow
- ⦿ relative – text following flows as though this element had not been moved – moves in relation to the spot it was in the document – original space in document is preserved
- ⦿ absolute – positioned top with respect to top left corner of the screen – removed from document flow – moves with the window resizing

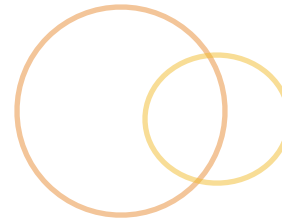
CSS: Page Layouts



⦿ positioning

- ⦿ fixed – element stays in window even if the scrolling is used – positioned relative to the browser window – removed from document flow – also fixed even if window is resized
- ⦿ great for sites that want specific layout
- ⦿ bad for users who want to resize their viewing settings
- ⦿ bad if the content grows or shrinks on your page
- ⦿ continued ...

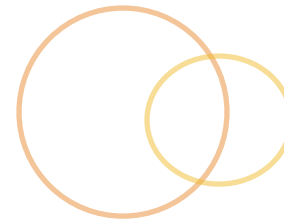
CSS: Page Layouts



◎ centering

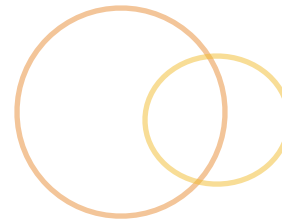
- ◎ remember I said we could add margin to the body tag
 - ◎ allows the page to render w/o whitespace at top
- ◎ we can set the left and right margins to “auto”
- ◎ IE5 has a center positioning bug
 - ◎ you can check out the example on p 112 in Westlake’s Book

CSS: Page Layouts



- ◎ **display** — specifies how elements should behave in layouts
 - ◎ values: block | inline | none | inherit
 - ◎ default

CSS: Page Layouts



- ⦿ the buggy browsers
 - ⦿ How to deal with them
 - ⦿ Position is Everything
 - ⦿ www.positioniseverything.net
 - ⦿ Quirksmode Bug Reports
 - ⦿ www.quirksmode.org/bugreports/
 - ⦿ CSS-discuss Wiki
 - ⦿ css-discuss.incutio.com
 - ⦿ Web Standards Group
 - ⦿ webstandardsgroup.org/resources/
 - ⦿ IE5/Mac Bugs and Fixes
 - ⦿ www.macedition.com/cb/ie5macbugs/index.html