

# 网站开发基础

- 静态网页





# 大纲

- HTML 基本元素
- CSS来装饰你的HTML
- HTML5是什么
- CSS3刷动画



## HTML ? Hypertext Markup Language

HTML is designed for marking up text by adding tags such as `<p>` to create HTML elements. HTML tags begin with `<` and end with `>`. Tags often occur in pairs of opening and closing tags. Some tags such as `<img>` always occur alone. Those tags usually (but not required to) have trailing slash.

Tags can have attributes. For example, `<a>` tag has `href` attribute for defining link target. Similarly, `<img>` tag has `src` attribute for defining image source.



## HTML基本元素

---

- Tags, Attributes and Elements
- Page Titles
- Paragraphs, Headings
- Lists
- Links, Images
- Tables
- Forms



# HTML

---

- Span and Div
- Text: Abbreviations, Quotations, and Code
- Meta Tags
- Tables: rowspan and colspan
- Description Lists
- Text: Addresses, Definitions, Bi-directional, and Editorial
- Sectioning



# HTML5!

---

- New parsing rules oriented towards flexible parsing and compatibility
- New elements – section, video, progress, nav, meter, time, aside, canvas
- New input attributes – dates and times, email, url
- New attributes – ping, charset, async
- Global attributes (that can be applied for every element) – id, tabindex, repeat
- Deprecated elements dropped – center, font, strike
- [https://en.wikipedia.org/wiki/HTML5#Differences\\_from\\_HTML\\_4](https://en.wikipedia.org/wiki/HTML5#Differences_from_HTML_4)



# HTML5

---

- Tables: Columns, Headers, and Footers
- HTML5 Forms Pt. 1: Input Types
- HTML5 Forms Pt. 2: Attributes and Data Lists
- Embedded Content: Video, Audio, and Canvas



# DOM

---

- A convention for representing and interacting with objects in HTML, XHTML and XML documents.
- Nodes of every document are organized in a **tree structure**, called the DOM tree
- Provides API to modify its content using language such as Javascript





## CSS · Cascading Style Sheets

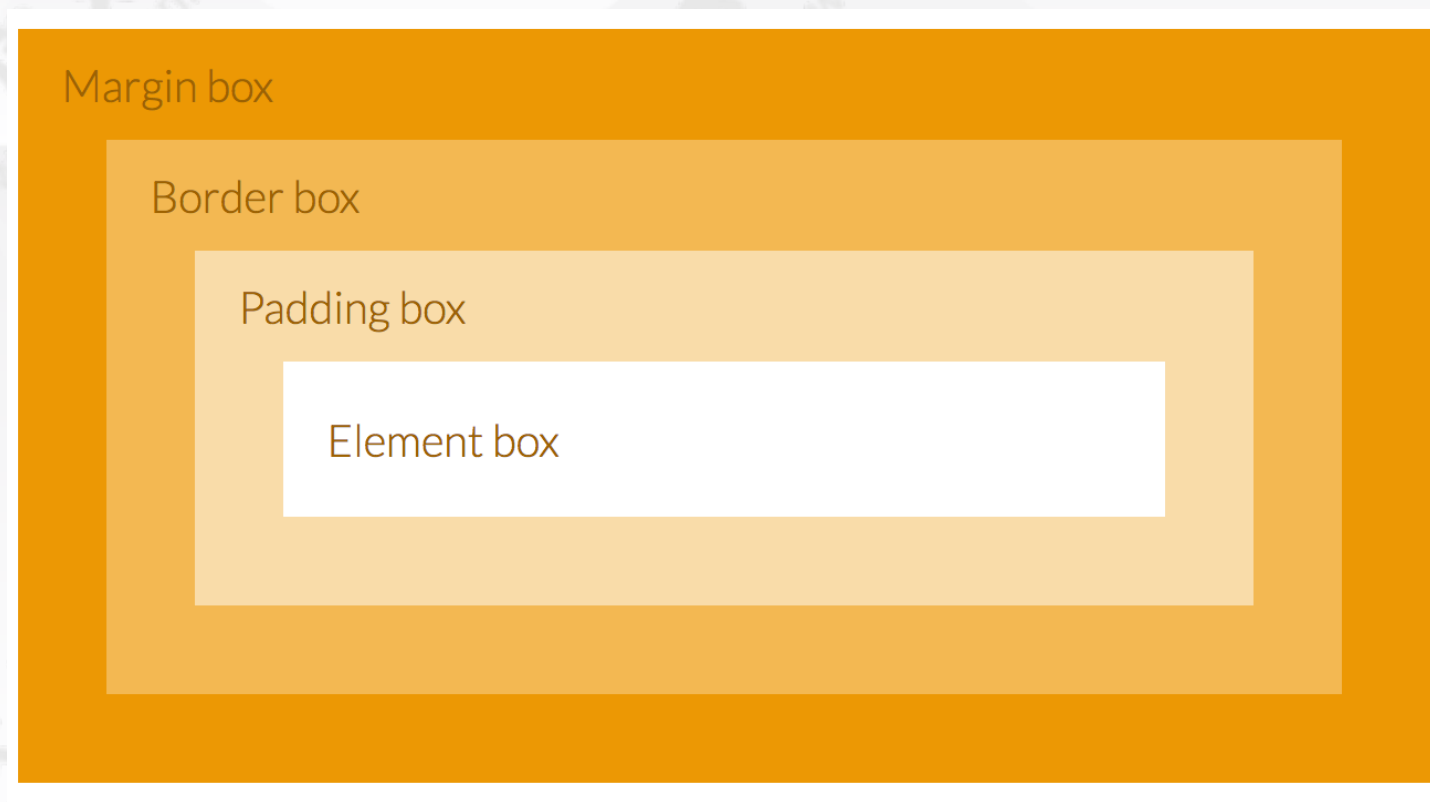
描述一个或多个DOM节点的样式

property: value;

- Applying CSS
- Selectors, Properties, and Values
- Colors
- Text
- Margins and Padding
- Borders



# CSS Margin, Padding





# Borders

---

solid

dotted

dashed



- Class and ID Selectors

- `_class { property: value; }, _id { property: value; }`

- Grouping and Nesting

- Pseudo Classes

- `_class { property: value; }`

- Shorthand Properties

- Background Images

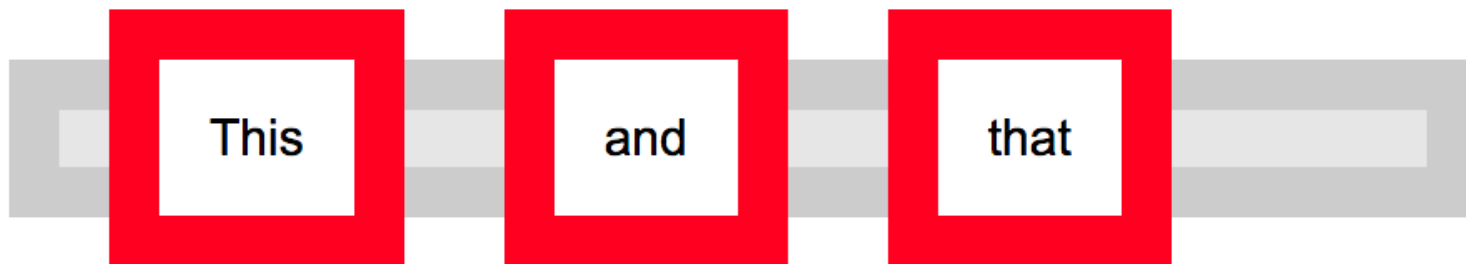
- Specificity, Display

- Pseudo Elements



# Display

---



Inline



block



## CSS动画 ? !

---

- Rounded Corners, Shadows
- Universal, Child, and Adjacent Selectors
- Advanced Colors
- At-Rules
- Attribute Selectors
- CSS Transitions
- Backgrounds: Multiples, Size, and Origin
- Transformations
- Gradients
- Media Queries



# Rounded

---





## At-Rules

---

- @import,
- @media, and
- @font-face





# Advanced CSS

- CSS [flexbox](#) and [grid](#) can be very useful for creating page layout.

## The Grid System

The ultimate resource in grid systems.

*"The grid system is an aid, not a guarantee. It permits a number of possible uses and each designer can look for a solution appropriate to his personal style. But one must learn how to use the grid; it is an art that requires practice."*  
Josef Müller-Brockmann

### Articles

#### Compose to a Vertical Rhythm

On the Web, vertical rhythm is contributed to by three factors: font size, line height and margin or padding. All of these factors must be calculated with care in order that the rhythm is maintained.  
04.Dec.2008

### Tools

#### 960 Grid System

An effort to streamline web development workflow by providing commonly used dimensions, based on a width of 960 pixels. There are two variants: 12 and 16 columns, which can be used separately or in tandem.  
04.Dec.2008

### Books

#### Geometry of Design

The book focuses on the classic systems of proportioning, such as the golden section and root rectangles, as well as systems such as the Fibonacci Series.  
04.Dec.2008

### Templates

#### InDesign 8.5x11 Grid System (12)

Adobe InDesign file with a grid system for an 8.5"x11" page that is divided into 12 columns and rows using the Rule of Thirds (Golden Ratio). Includes a 12pt baseline grid.  
29.Nov.2008

### Blog

#### UX Magazine

A well designed collaborative site, with a very nice grid structure, that focuses on user experience.  
02.Dec.2008

#### Incremental leading

In editorial design, there is

#### Graph Paper by Konigi

This graph paper is made

#### The Typographic Grid

We consider this to be the

#### InDesign 11x17 Grid System (12)

Adobe InDesign file with a

#### Doane Paper Utility Notebook

A portable notebook



## Media Query

---

- **@media screen and (max-width: 1000px) {**
- **#content { width: 100% }**
- **}**



谢谢

[beijing@dataapplab.com](mailto:beijing@dataapplab.com)