

The background of the entire slide is a repeating pattern of orange slices, showing the bright orange pulp and the white pith. The slices are arranged in a slightly overlapping, circular pattern.

# Introduction to CSS

Cascading Style Sheets

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# 網頁設計概念

CSS:  
式樣設計

java, asp:  
特殊功能

HTML:  
文字、圖像內容

# CSS : Fly! My Webpage!

- CSS: Cascading Style Sheets (階層式樣表)
- Benefits of CSS
  - Better type and layout controls.
  - Less work.
  - Smaller documents and faster downloads.
  - More accessible sites.
  - Reliable browser support.

# How Style Sheets Work

- Start with a document that has been marked up in (X)HTML.
- Write style rules for how you'd like certain elements to look.
- Attach the style rules to the document.

# Basic CSS Syntax (語法)

```
selector { property: value; }  
選擇器 { 樣式元素 : 元素值 ; }
```

```
selector {  
  property1: value;  
  property2: value;  
  property3: value;  
}
```

Declaration Block

# Selectors (選擇器)

- The most basic type of selector is called **element type selector** (標籤選擇器) .

```
h1 { color: #669900; }
```

```
p { font-size: small;
```

```
font-family: Arial, Helvetica, 華康儷中黑;
```

```
line-height: 1.54332;
```

```
}
```

# Declarations (規則宣告)

- The declaration is made up of property/value pair. There can be more than one declaration in a single rule:

```
p { font-size: small;  
    font-family: Arial, Helvetica, "Century Gothic",  
                sans-serif;  
    line-height: 1.54332;  
}
```

# Attaching the Styles to your document

```
<head>
```

```
<title> Your title of Webpage </title>
```

```
<style type="text/css">
```

**your style rules go here.**

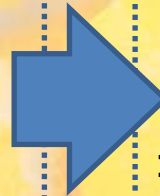
```
</style>
```

```
</head>
```



# Working with (X)HTML

```
<head>
<style type="text/css">
h1 {
  font-family: Georgia, "Times New
  Roman", serif;
  font-size: 1.45em;
  color: #ff0000;
  line-height: 2em;
}
:
:
</style>
</head>
```



```
<body>
<h1>My Webpage</h1>
<p>This is my first page designing with
  text-editor.</p>
<h1>My Design Interests</h1>
<p>I got lots of to do with design, and my
  design interests are well focused on
  animation</p>
:
:
</body>
</html>
```

# Units using in CSS

類別	單位	意義
相對單位 (多用於顯示器)	em	目前大寫 "M" 的高度
	ex	目前小寫 "x" 的高度
	px	pixel, 相對畫素、解析度
	%	相對於目前設定的百分比 (可超過100%)
絕對單位 (多用於列印)	cm	公分 (centimeters) ; 1cm = 10mm
	mm	公釐 (millimeters)
	in	英吋 (inchs) ; 1in = 2.54cm
	pt	點 (poits) ; 1pt = 1/72in
	pc	大點 ; picas ; 1pc = 12pt = 4.23mm

# Color Representation

範例	說明	範圍
#ff23c7	長十六進位：R=ff, G=23, B=c7	#000000~#ffffff
#f30	短十六進位：R=f, G=3, B=0，相當於長十六進位的#ff3300	#000~#fff
rgb(24,138,244)	十進位，R=24, G=138, B=244	rgb(0,0,0) ~ rgb(255,255,255)
rgb(42%,50%,16%)	百分比，R=42%, G=50%, B=16%	rgb(0%,0%,0%) ~ rgb(100%,100%,100%)

- Inheritance
- Types of CSS
- Weight of style
- Grouped Selection

CSS最最最重要的概念

# THE **BIG CONCEPTS** OF CSS

# Inheritance (繼承)

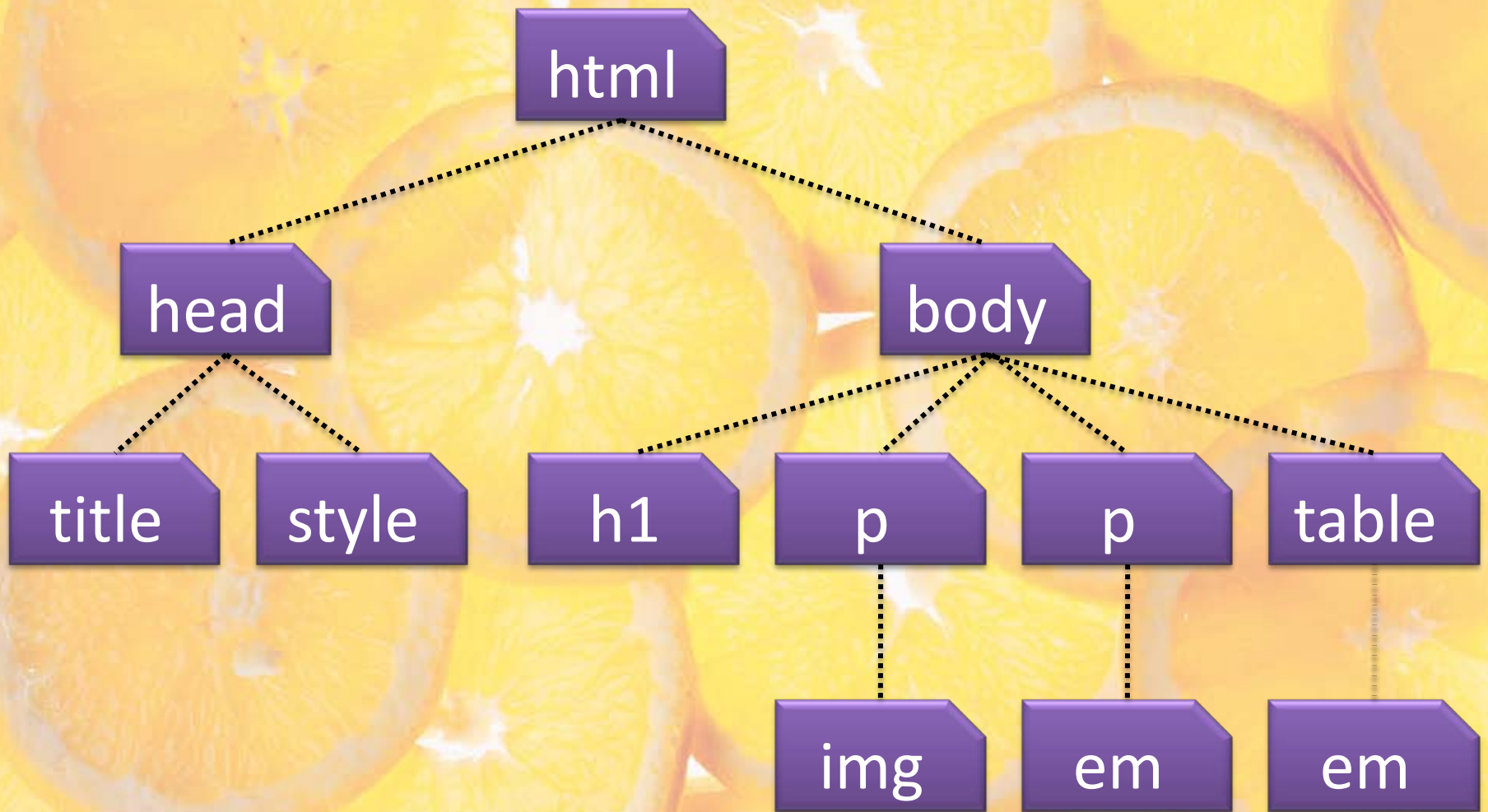
- Just as parents pass down traits to their children, (X)HTML elements pass down certain style properties to the elements they contain.

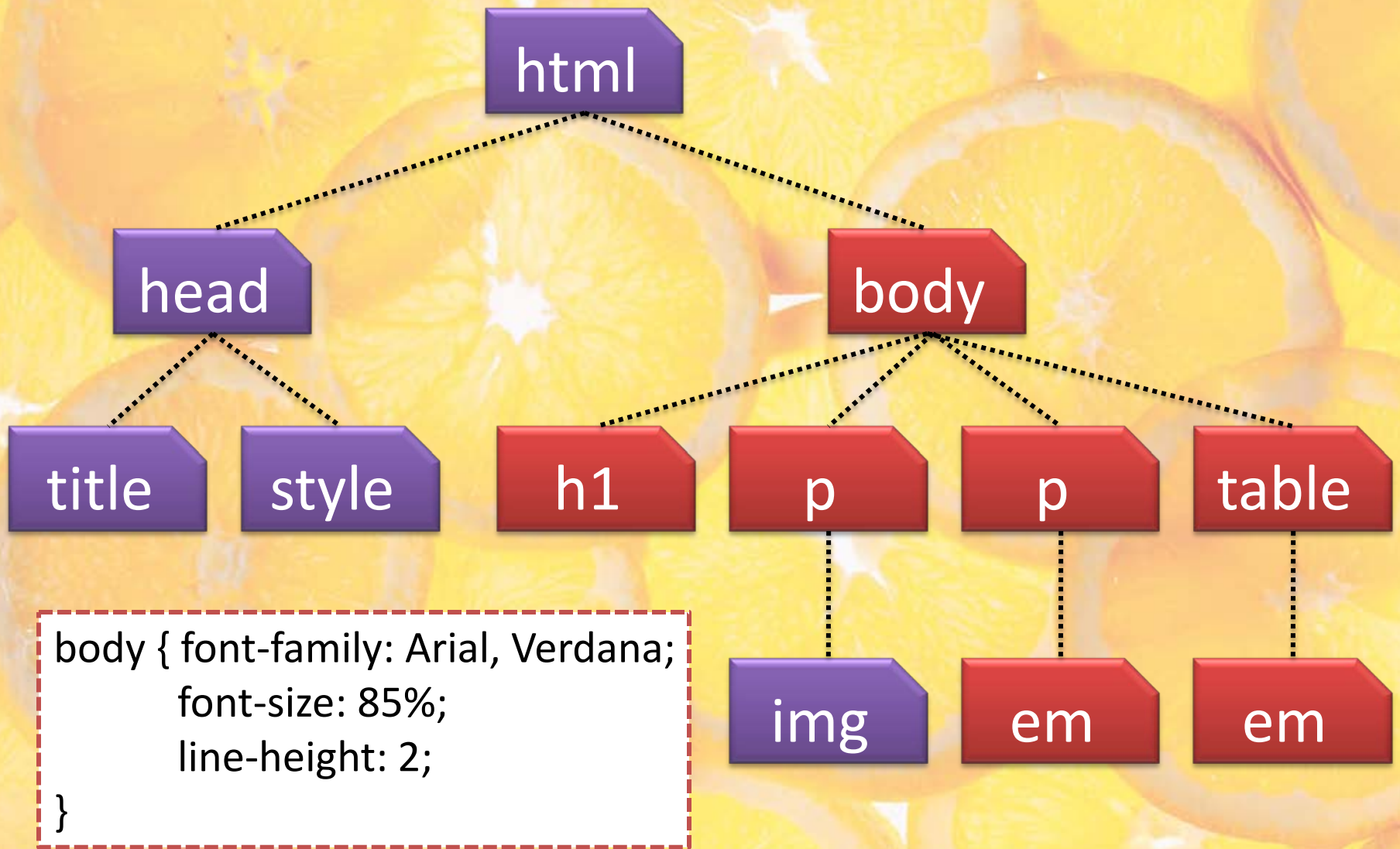
# Ex. Document Structure

```
<html>
<head>
  <title>.....</title>
  <style>.....</style>
</head>

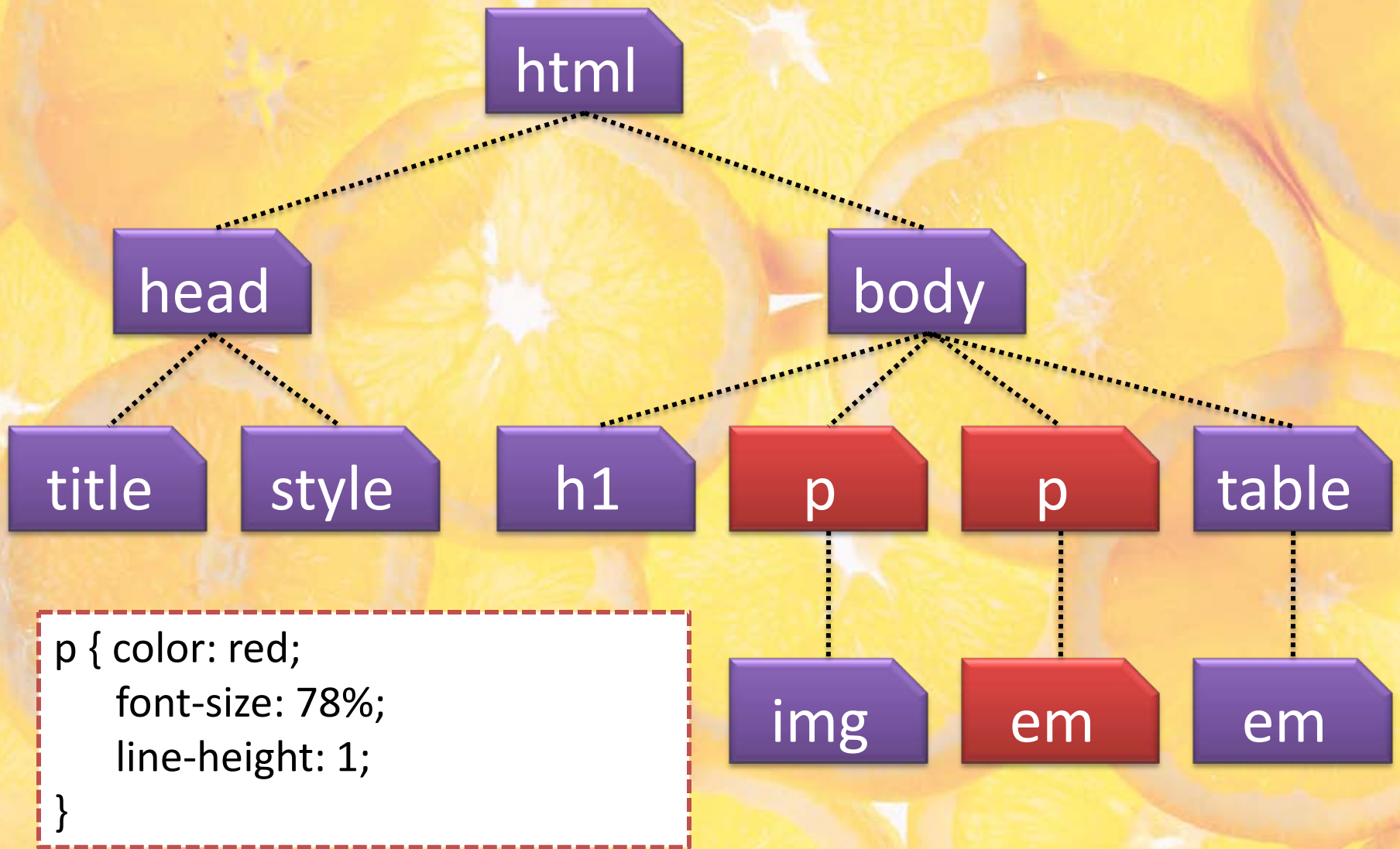
<body>
  <h1>.....</h1>
  <p>
```

```
    <img ..... / >
  </p>
  <p>
    <em>.....</em>
  </p>
  <table>
    <em>.....</em>
  </table>
</body>
</html>
```







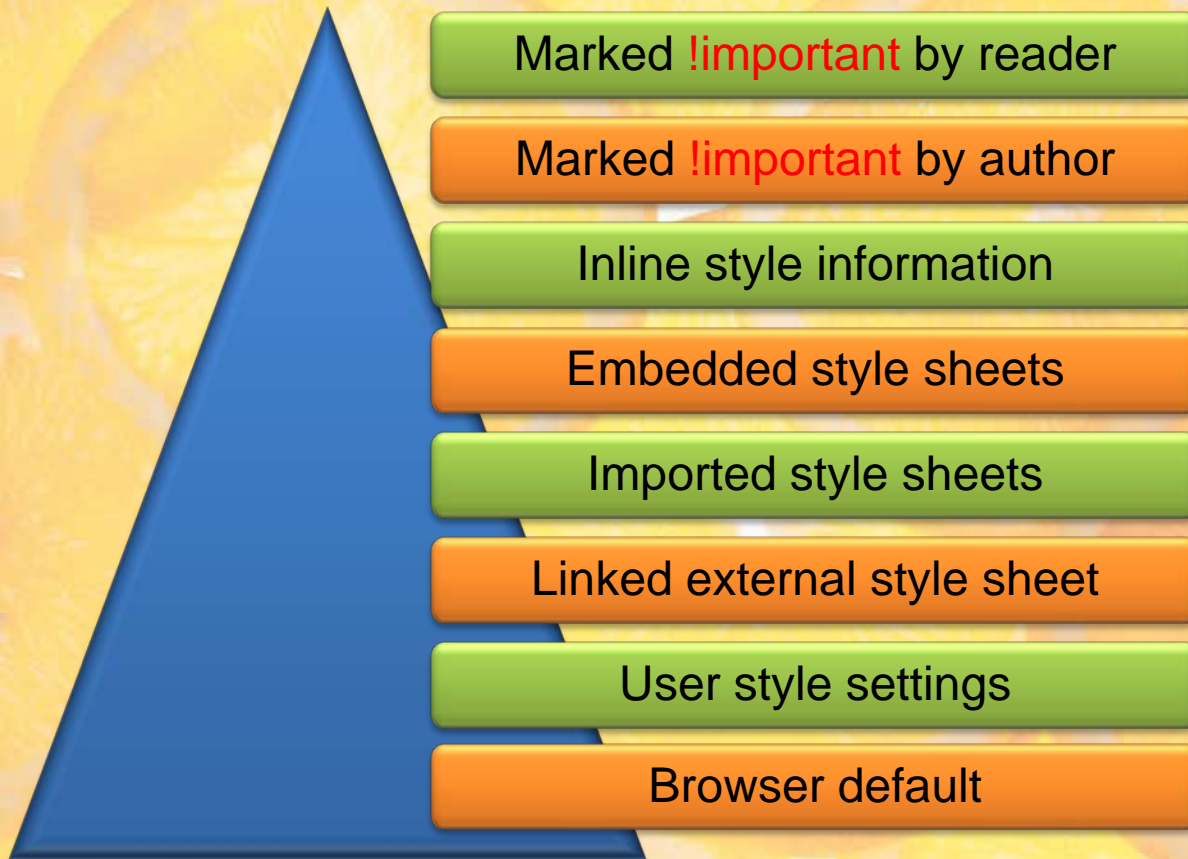


# Weight of Style (權重)

The **closer** the style sheet is to the content, the **more weight** is given.

- In-line style
- Embedded style
- External style

# Style Sheet Hierarchy (階級)



# Styles in conflicts (衝突)

- If there are conflicts within style rules of identical weight, whichever one comes last in the list “wins.” Ex.:
- `<style type=“text/css”>`
  - `p { color: red;}`
  - `p { color: blue;}`
  - `p { color: green;}``</style>`

# Grouped Selectors (群化)

- CSS allows you group the selectors into one rule by separating them with commas:
- `h1 { border: 1px solid blue; }`  
`h2 { border: 1px solid blue; }`  
`p { border: 1px solid blue; }`  
`em { border: 1px solid blue; }`  
`img { border: 1px solid blue; }`  
= `h1, h2, p, em, img { border: 1px solid blue; }`

The background of the entire image is a repeating pattern of orange slices, showing the pulp and the white pith. The slices are arranged in a somewhat regular grid, creating a vibrant and fresh atmosphere.

*Keep Learning!*  
**多練習就會熟悉，加油！**

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