

# px,em,rem,vw,vh網頁css單位簡介

<body>

<p>px：絕對單位，為螢幕中每個網點(pixel)</p>

<p>em：相對單位，為設定元件經由乘以parent元件的 px 值。</p>

<p>rem：相對單位，為設定元件經由乘以\*元件的 px 值。</p>

<p>vw：相對單位，為設定元件經由乘以browser可視寬度的 px 值。</p>

<p>vh：相對單位，為設定元件經由乘以browser可視高度的 px 值。</p>

<span>

# 建立測試頁面

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <style type="text/css">
    span {
      border: solid 2px ■ blue;
      width: 600px;
      height: 300px;
      display: block;
      padding: 5px;
    }
    *{
      font-size: 14px;
    }
  </style>
</head>
```

# 建立px,em測試

<body>

<p>px：絕對單位，為螢幕中每個網點(pixel)</p>

<p>em：相對單位，為設定元件經由乘以parent元件的 px 值。</p>

<p>rem：相對單位，為設定元件經由乘以\*元件的 px 值。</p>

<p>vw：相對單位，為設定元件經由乘以browser可視寬度的 px 值。</p>

<p>vh：相對單位，為設定元件經由乘以browser可視高度的 px 值。</p>

<span>

    PX:14px;

    <span style="font-size: 18px;width: 80%;height: 80%;">

        PX:18px;

    </span>

</span>

<hr color="orange">

<span>

    em:14px;

    <span style="font-size: 1.5em;width: 80%;height: 80%;">

        em:1.5em, 14\*1.5=21px;

        <span style="font-size: 1.5em;width: 80%;height: 80%;">

            em:1.5em, 21\*1.5=31.5px;

        </span>

    </span>

</span>

<hr color="yellow">

<span>

# 測試執行

vw: 相對單位，為設定元件經由乘以browser可視寬度的 px 值。

vh: 相對單位，為設定元件經由乘以browser可視高度的 px 值。

PX:14px;

PX:18px;

em:14px;

em:1.5em,  $14 * 1.5 = 21\text{px}$ ;

em:1.5em,  $21 * 1.5 = 31.5\text{px}$ ;

rem:14px;

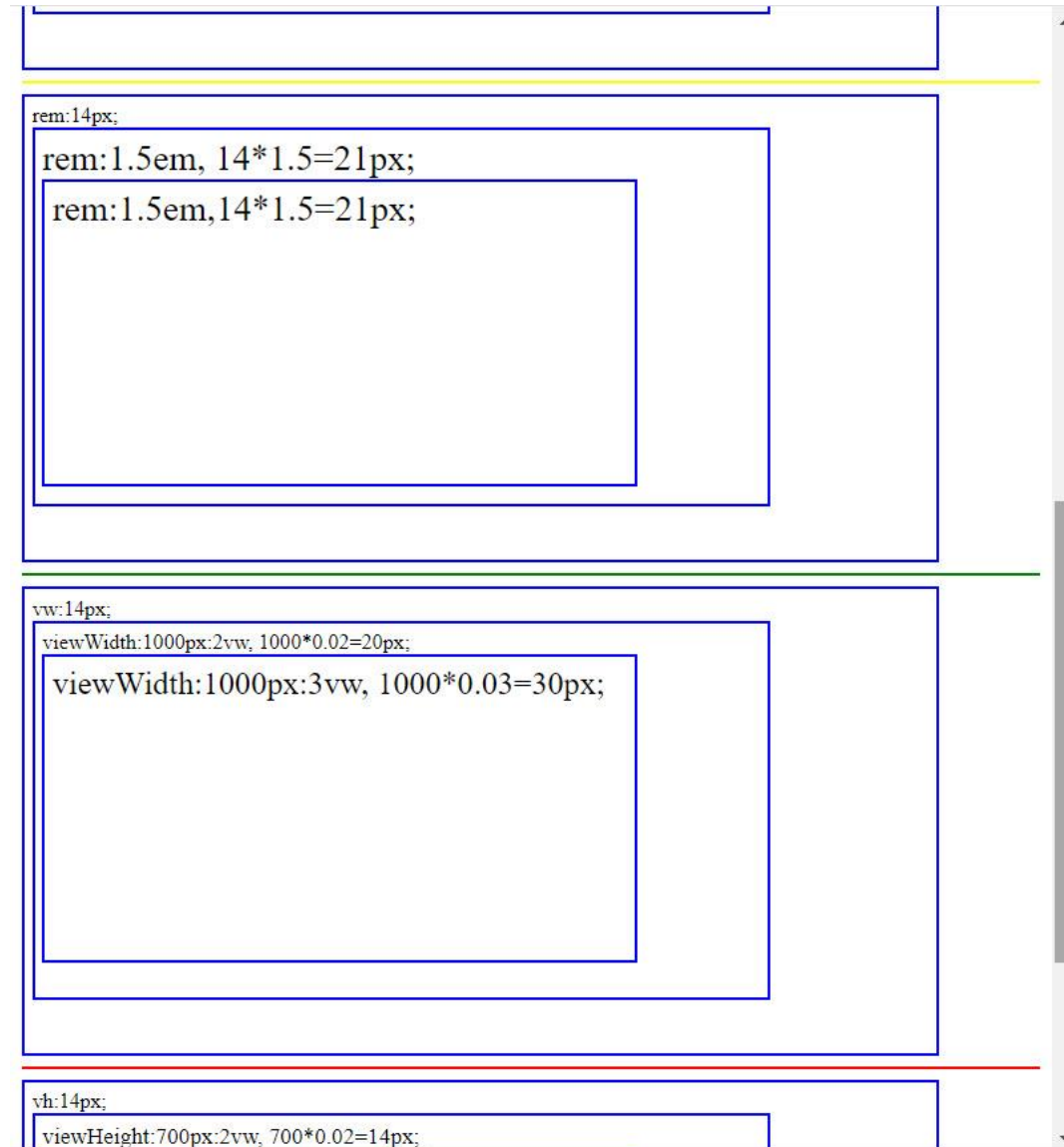
rem:1.5em,  $14 * 1.5 = 21\text{px}$ ;



# 建立rem,vw測試

```
...</span>
...</span>
...<hr color="yellow">
...<span>
...  rem:14px;
...  <span style="font-size: 1.5rem;width: 80%;height: 80%;">
...    rem:1.5rem, 14*1.5=21px;
...    <span style="font-size: 1.5rem;width: 80%;height: 80%;">
...      rem:1.5rem, 14*1.5=21px;
...    </span>
...  </span>
...</span>
...<hr color="green">
...<span>
...  vw:14px;
...  <span style="font-size: 2vw;width: 80%;height: 80%;">
...    viewWidth:1000px:2vw, 1000*0.02=20px;
...    <span style="font-size: 3vw;width: 80%;height: 80%;">
...      viewWidth:1000px:3vw, 1000*0.03=30px;
...    </span>
...  </span>
...</span>
...<hr color="red">
...<span>
```

# 測試執行



# 建立vh測試

```
... <hr color="green">
... <span>
...   vw:14px;
...   <span style="font-size: 2vw; width: 80%; height: 80%;">
...     viewWidth:1000px:2vw, 1000*0.02=20px;
...     <span style="font-size: 3vw; width: 80%; height: 80%;">
...       viewWidth:1000px:3vw, 1000*0.03=30px;
...     </span>
...   </span>
... </span>
... <hr color="red">
... <span>
...   vh:14px;
...   <span style="font-size: 2vh; width: 80%; height: 80%;">
...     viewHeight:700px:2vw, 700*0.02=14px;
...     <span style="font-size: 3vh; width: 80%; height: 80%;">
...       viewHeight:1000px:3vw, 700*0.03=21px;
...     </span>
...   </span>
... </span>
</body>
```

# 測試執行

vh:14px;

viewHeight:700px:2vw,  $700*0.02=14\text{px}$ ;

viewHeight:1000px:3vw,  
 $700*0.03=21\text{px}$ ;