



# 客製化Node-RED儀表板的顯示外觀

- 建立測試儀表板
- 客製化元件的圖示
- 客製化網站色彩
- text元件的Value format輸出樣式
- 自行使用CSS樣式更改元件外觀
- 客製化群組樣式
- 客製化節點樣式
- 標題列處理
- 整個網站的樣式

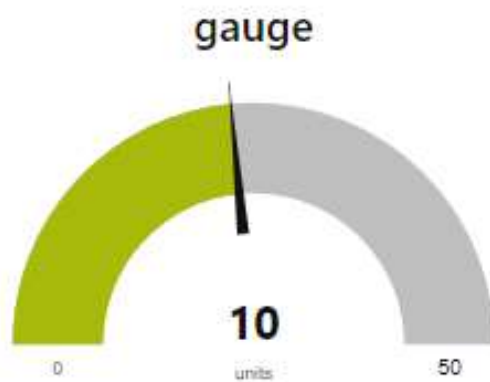




# 建立測試儀表板

Home

Default



溫度:

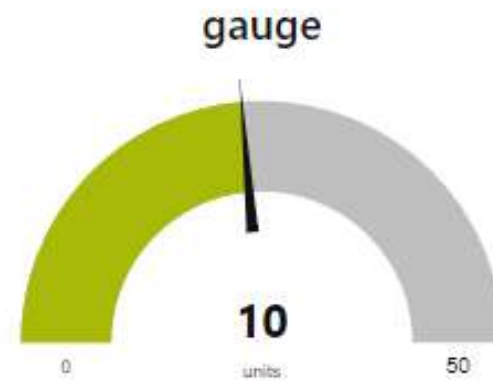
10

BUTTON

BUTTON

顯示文字

BUTTON

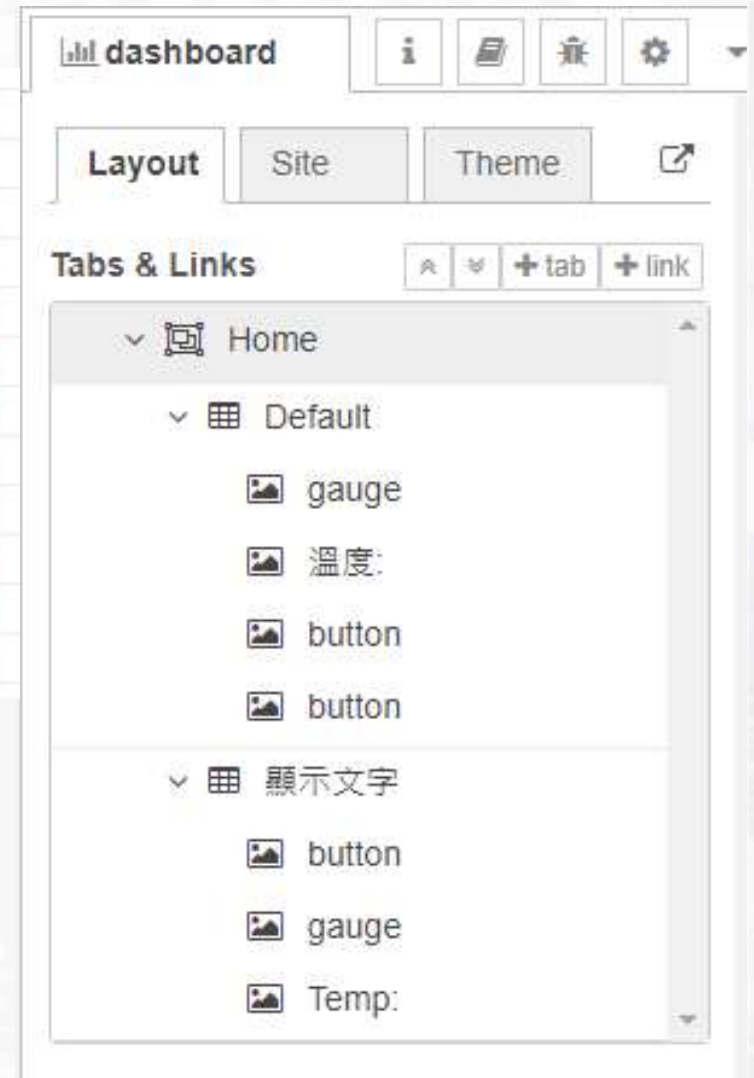
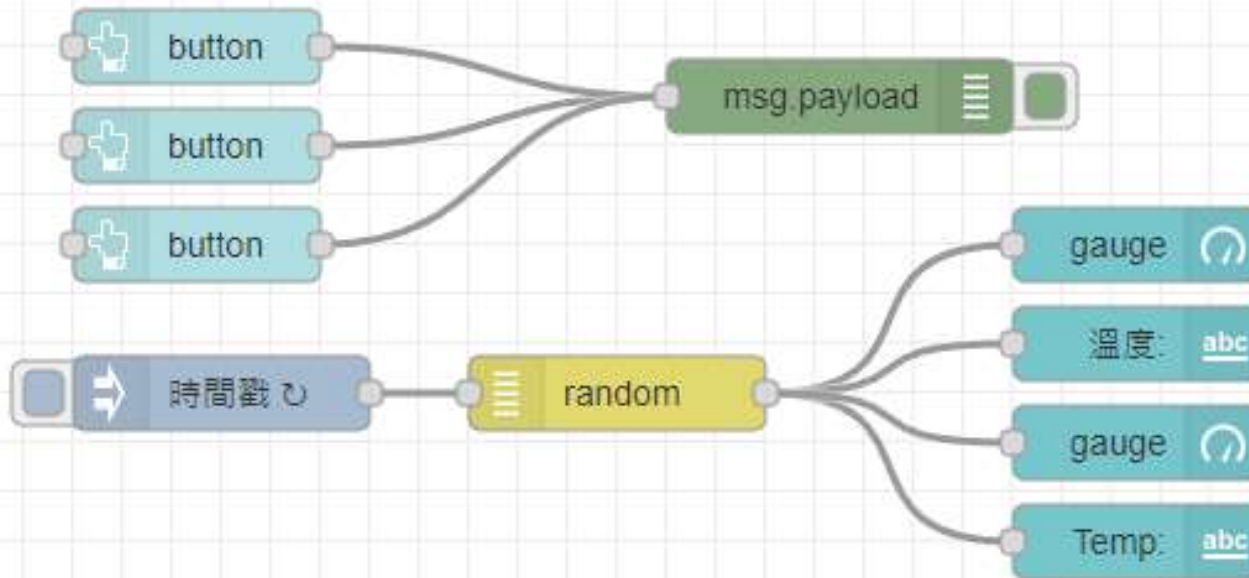


Temp:

10



# 建立測試儀表板





# 客製化元件的圖示

- <https://fontawesome.com/v4/icons/>
- <https://fontawesome.com/v4/cheatsheet/>
- [https://github.com/Paul-Reed/weather-icons-lite/blob/master/css\\_mappings.md](https://github.com/Paul-Reed/weather-icons-lite/blob/master/css_mappings.md)
- <https://klarsys.github.io/angular-material-icons/>

 Size

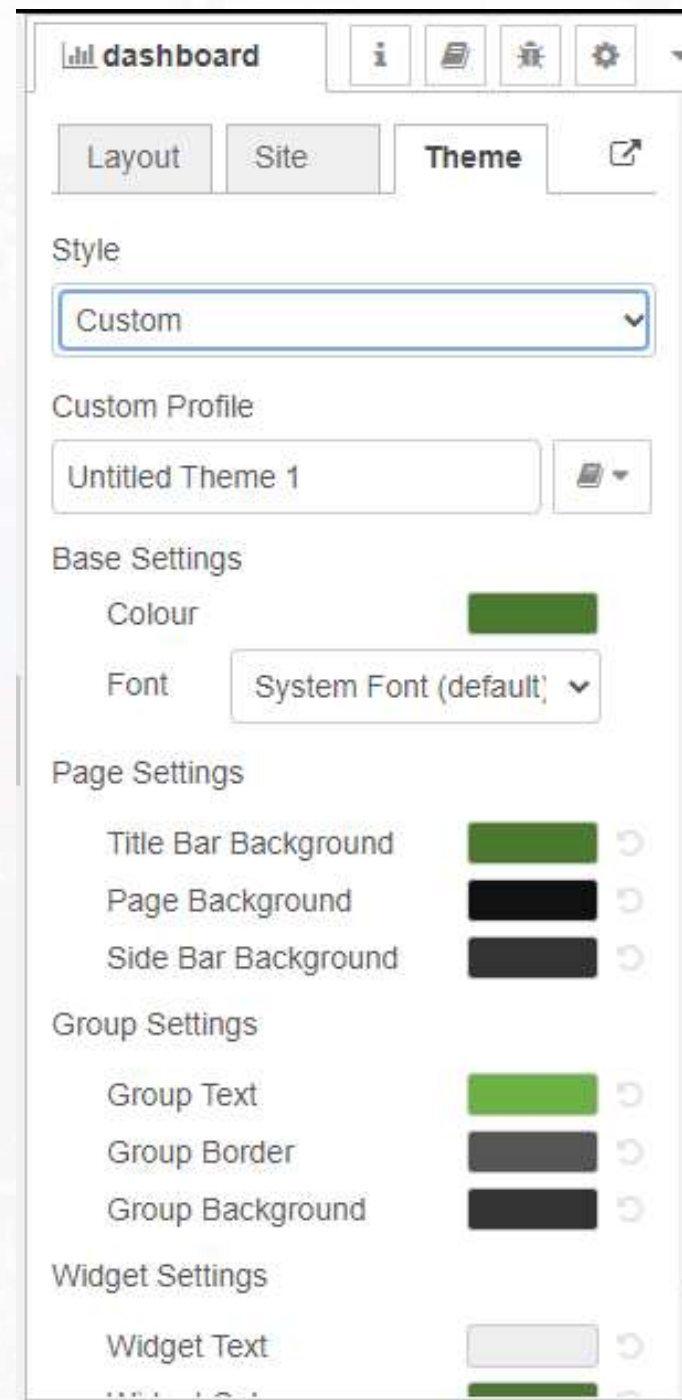
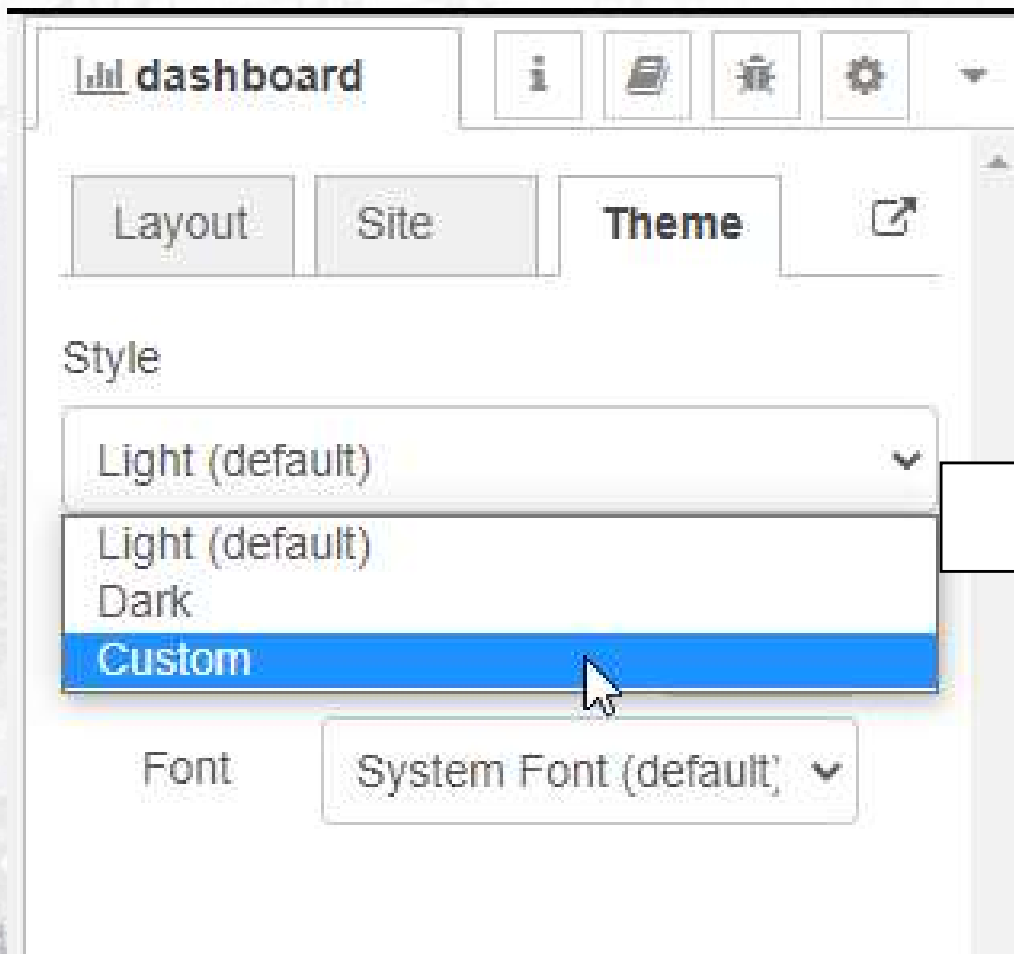
auto

 Icon

wi-arrow



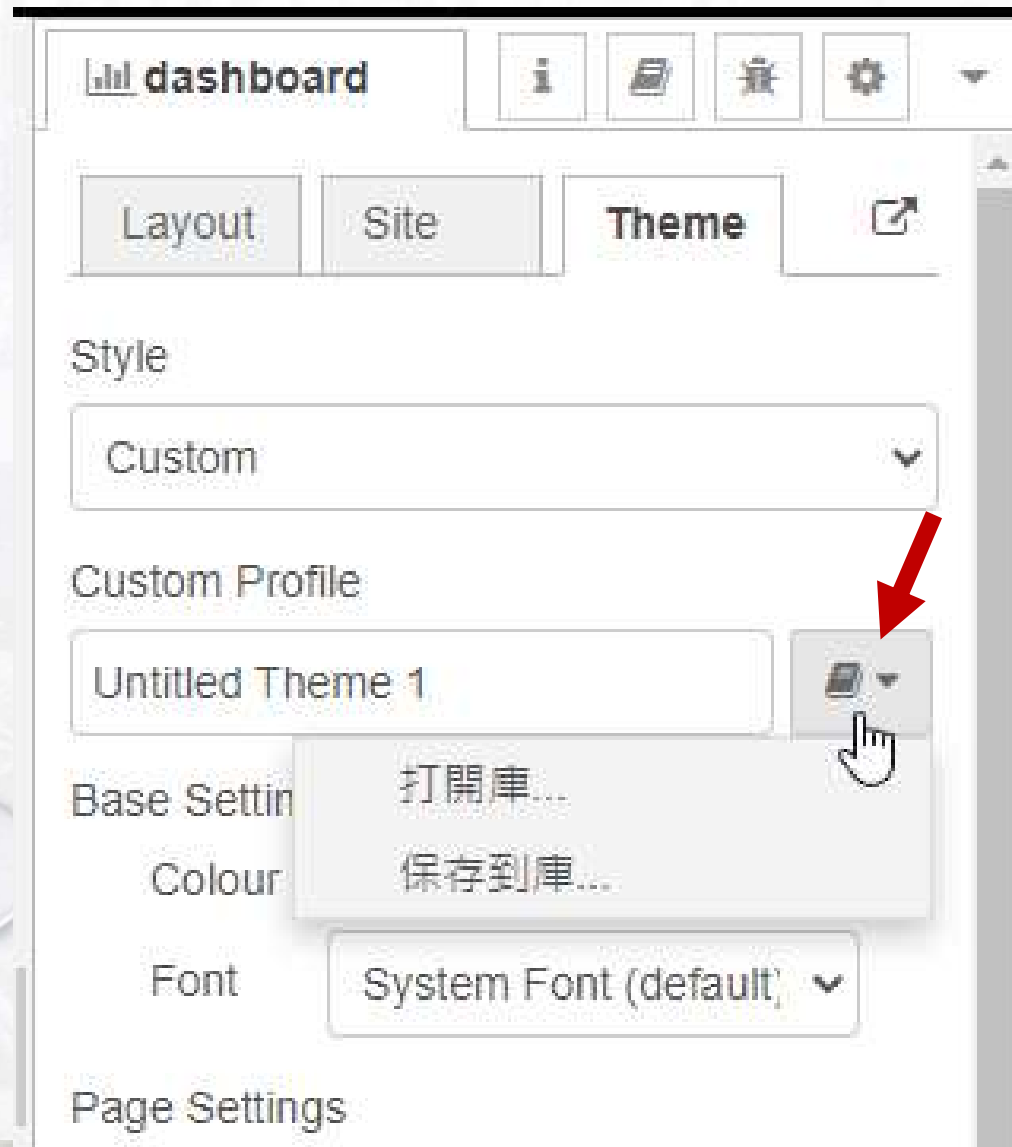
# 客製化網站色彩







# 客製化網站色彩－儲存和開啟客製化佈景



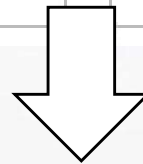


# text元件的Value format輸出樣式

請注意! 並非每種元件都支援此方法更改樣式

`<font size=6>{{msg.payload}}</font>`

[ Label	溫度:
[ Value format	<code>&lt;font size=6&gt;{{msg.payload}}&lt;/font&gt;</code>
Layout	<div>label value</div> <div>label value</div> <div>label value</div>



溫度:

**7**

↑ BUTTON





# 自行使用CSS樣式更改元件外觀

- 按**F12**切換開發人員工具

點選此圖示

The screenshot shows a web browser at `localhost:1880/ui/#!/0?socketid=U8F4rIOAubFgymKTAA...`. The page has a blue header with the text "Home". Below the header, there is a "Default" section containing a "gauge" component. The gauge has a "p.label" element with the following properties:

- Color: #111111
- Font: 16px -apple-system, BlinkMacSystemFont...
- Margin: 1.6px 4px 1.6px 0px

Below the gauge is a blue button with the text "↑ BUTTON".

The browser's developer tools are open, showing the "Elements" panel. The HTML structure is as follows:

```
<md-card style="left: 0px; top: 0px; width: 318px; height: 210px;">...</md-card>
<!-->
<!-->
<md-card ui-card-size="6x1" layout="row" layout-align="space-between center" class="nr-dashboar...
  dashboard-text _md layout-row layout-align-space-between-center nr-dashboar-widget-__ visible
  e" ng-class="[ me.item.safeLabel, {'nr-dashboar-d-disabled':me.item.disabled}]" node-id="deb474
  69b79298c5" style="left: 0px; top: 216px; width: 318px; height: 48px;"> flex
  ...
  <p class="label" ng-bind-html="me.item.getLabel()">溫度:</p> == $0
  <p class="value" ng-bind-html="me.item.getText()">...</p>
</md-card>
<!-->
<!-->
<md-card ui-card-size="6x1" class="nr-dashboar-button _md visible" ng-class="{ 'nr-dashboar-d
  isabled':me.item.disabled}" node-id="e744fa1bd7b5d28" style="left: 0px; top: 270px; width: 318px; height: 48px;">
  ...
  out-align-space-between-center.nr-dashboar-widget-__visible p.label ...
```

點選元素





# 自行使用CSS樣式更改元件外觀

```
...  
    <p class="label" ng-bind-html="me.item.getLabel()  
    el()>溫度:</p> == $0  
    <p class="value" ng-bind-html="me.item.getTex  
    t()>...</p>  
  </md-card>  
  <!-->  
  <!-->  
  <md-card ui-card-size="6x1" class="nr-dashboard  
  -button _md visible" ng-class="{ 'nr-dashboard-d
```

HTML標籤

```
... out-align-space-between-center.nr-dashboard-widget-__visible p.label ...
```

Styles Computed Layout Event Listeners DOM Breakpoints >>

Filter

:hov .cls +

```
element.style {  
}
```

```
.nr-dashboard-text p {  
  margin-top: 0.1em;  
  margin-bottom: 0.1em;  
  margin-left: 0;  
  margin-right: 0.25em;  
}
```

app.min.css:32530

套用的CSS樣式



## 自行使用**CSS**樣式更改元件外觀

```
.nr-dashboard-text p {  
  margin-top: 0.1em;  
  margin-bottom: 0.1em;  
  margin-left: 0;  
  margin-right: 0.25em;  
}
```

```
element.style {  
}
```

```
.nr-dashboard-text p {  
✓ margin-top: 0.1em;  
✓ margin-bottom: 0.1em;  
✓ margin-left: 0;  
✓ margin-right: 0.25em;  
}
```

Copy selector

Copy rule

Copy all declarations

複製CSS樣式

ss:32530





# 自行使用CSS樣式更改元件外觀

font-size: 150%;  
color: red

溫度: 32

↑ BUTTON

template

Template type: Widget in group

Group: [Home] Default

Size: auto

名稱: 名稱

```
1 <style>
2 .nr-dashboard-text p {
3     font-size: 150%;
4     color: red
5 }
6 </style>
```

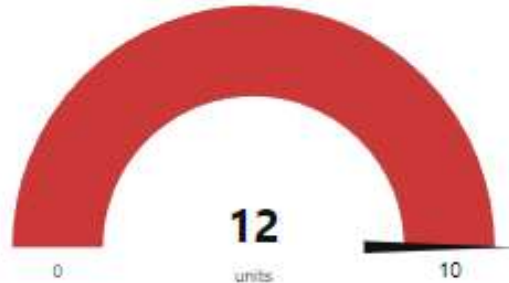


# 自行使用CSS樣式更改元件外觀 影響所有元件的樣式

Home

Default

gauge



溫度:

12

↑ BUTTON

⚙️ BUTTON

顯示文字

Temp:

12



# 自行使用CSS樣式更改元件外觀

- <https://www.w3schools.com/css/default.asp>

The screenshot shows the W3Schools website interface. At the top, there is a navigation bar with the W3Schools logo, a language selector set to '英' (English), and links for Tutorials, References, Exercises, Videos, and Pro (marked as NEW). Below this is a dark navigation bar with icons and labels for HTML, CSS (highlighted in green), JAVASCRIPT, SQL, PYTHON, PHP, and BOOTSTRAP. On the left, a sidebar menu lists various CSS topics, with 'CSS HOME' highlighted in green. The main content area features a banner with three images: a person in a white shirt, a woman in a black dress, and a diamond. Below the banner, the text 'CSS Tutorial' is displayed in a large font, and a green button labeled '< Home' is visible.

W3schools

英

Tutorials ▼ References ▼ Exercises ▼ Videos Pro NEW

HTML CSS JAVASCRIPT SQL PYTHON PHP BOOTSTRAP

CSS Tutorial

CSS HOME

CSS Introduction

CSS Syntax

CSS Selectors

CSS How To

CSS Comments

CSS Colors

CSS Backgrounds

堅持:

CSS Tutorial

< Home





# 自行使用CSS樣式更改元件外觀

- <https://www.w3schools.com/css/default.asp>

CSS HOME  
CSS Introduction  
CSS Syntax  
CSS Selectors  
CSS How To  
CSS Comments  
CSS Colors  
CSS Backgrounds  
CSS Borders  
CSS Margins  
CSS Padding  
CSS Height/Width  
CSS Box Model  
CSS Outline  
CSS Text

Text Color

Text Alignment  
Text Decoration  
Text Transformation  
Text Spacing  
Text Shadow

## Text Color

The `color` property is used to set the color of the text. The color is specified by:

- a color name - like "red"
- a HEX value - like "#ff0000"
- an RGB value - like "rgb(255,0,0)"

Look at [CSS Color Values](#) for a complete list of possible color values.

The default text color for a page is defined in the body selector.

## Example

```
body {  
  color: blue;  
}  
  
h1 {  
  color: green;  
}
```



## 客製化群組樣式-需用Tab和Group名稱

- Tab: **Home**
- Group: 溫度文字
- 選擇器: **#Home\_溫度文字** > \*  

子元素

所有元素

Template

```
1 <style>
2 .nr-dashboard-text p {
3     font-size: 150%;
4     color: red
5 }
6 #Home_顯示文字 > * {
7     font-size: 22px;
8 }
9 </style>
```



# 客製化群組樣式-需用Tab和Group名稱

Default

gauge



溫度:

31

↑ BUTTON

顯示文字 ←

Temp:

31



# 客製化群組樣式-限定群組下的button元件

請注意! 不是每一種元件都能找到選擇器

```
#Home_Default .md-button {  
    font-size: 20px;  
}
```

Template

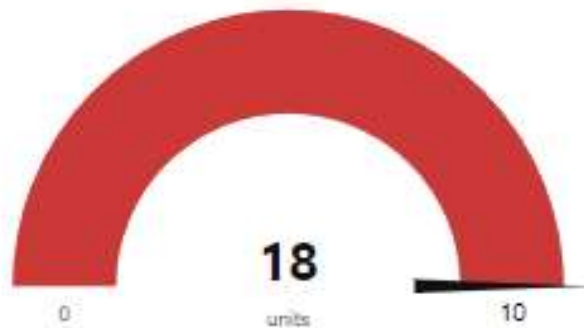
```
1 <style>  
2 .nr-dashboard-text p {  
3     font-size: 150%;  
4     color: red  
5 }  
6 #Home_Default .md-button {  
7     font-size: 20px;  
8 }  
9 #Home_顯示文字 > * {
```



# 客製化群組樣式-限定群組下的button元件

Default

gauge



溫度:

18

↑ BUTTON

顯示文字

BUTTON

Temp:

18





# 客製化群組樣式-限定群組下的text元件

```
#Home_顯示文字 .nr-dashboard-text .value {  
    font-size: 10px;  
    color: green;  
}
```

```
#Home_顯示文字 .nr-dashboard-text p {  
    font-size: 10px;  
    color: green;  
}
```

```
1 <style>  
2 .nr-dashboard-text p {  
3     font-size: 150%;  
4     color: red  
5 }  
6 #Home_Default .md-button {  
7     font-size: 20px;  
8 }  
9 #Home_顯示文字 .nr-dashboard-text .value {  
10     font-size: 10px;  
11     color: green;  
12 }  
13 #Home_顯示文字 .nr-dashboard-text p {  
14     font-size: 10px;  
15     color: green;  
16 }  
17 </style>
```

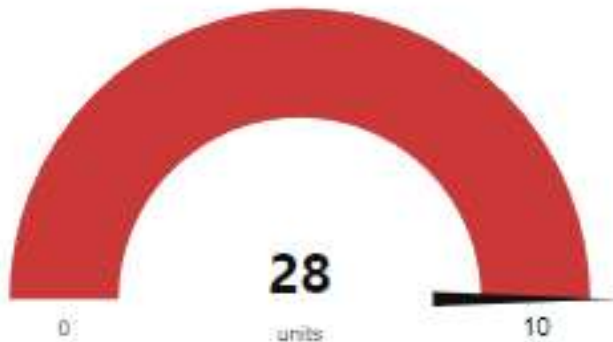




# 客製化群組樣式-限定群組下的text元件

Default

gauge



溫度:

28

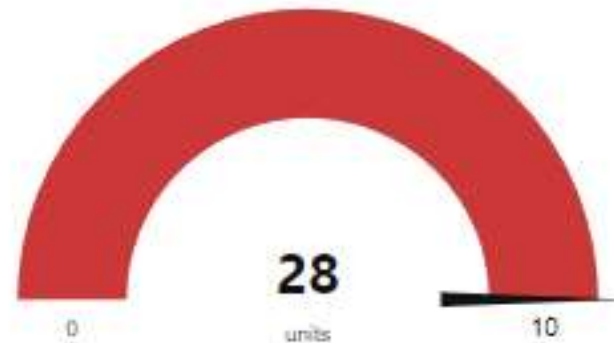
↑ BUTTON

☀️ BUTTON

顯示文字

BUTTON

gauge



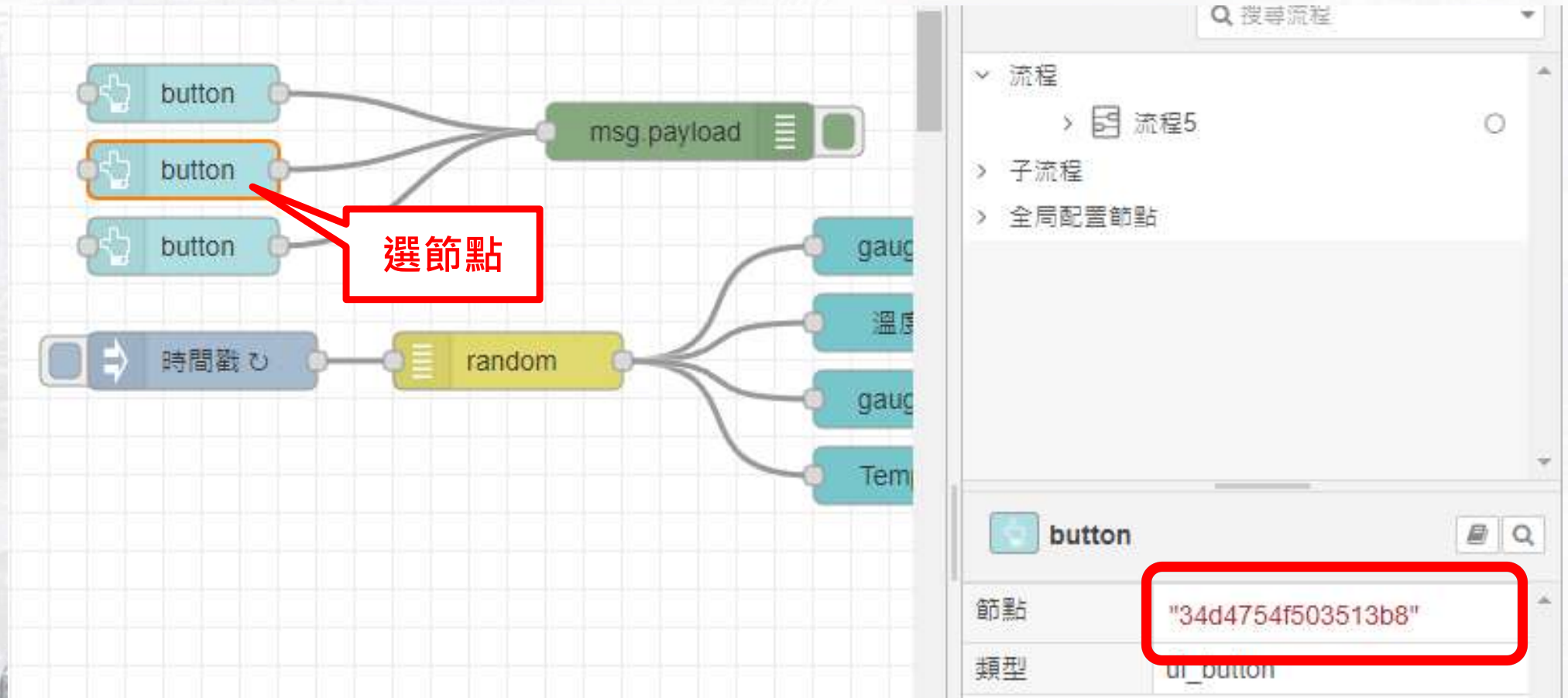
Temp:

28



## 客製化節點樣式-取得節點node-id

- 找到節點的id: "34d4754f503513b8"





## 客製化節點樣式-取得節點node-id

[node-id="34d4754f503513b8"] .md-button {

font-size: 33px;

color: yellow;

}

#Home\_Default .md-button {

font-size: 20px;

}

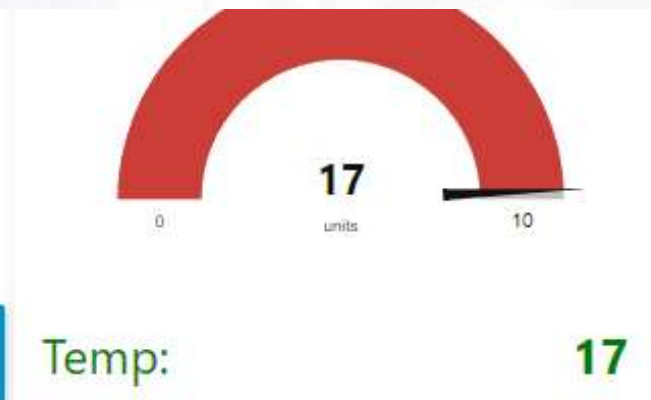
```
1 <style>
2 .nr-dashboard-text p {
3     font-size: 150%;
4     color: red
5 }
6 [node-id="34d4754f503513b8"] .md-button {
7     font-size: 33px;
8     color: yellow;
9 }
10 #Home_Default .md-button {
11     font-size: 20px;
12 }
13
14 #Home_顯示文字 .nr-dashboard-text .value {
15     font-size: 10px;
16     color: green;
17 }
18 #Home_顯示文字 .nr-dashboard-text p {
19     font-size: 10px;
20     color: green;
21 }
22 </style>
```







# 客製化節點樣式-取得節點node-id



```
... d-button._md.visible button.md-raised.md-button.md-ink-ripp...
Styles Computed Layout Event Listeners DOM Breakpoint
Filter :hov .cls
element.style {
}
Inherited from button.md-raised.md-button...
#Home_Default .md-button {
  font-size: 20px;
}
.nr-dashboard-theme .nr-dashboard-button .md-button {
  background-color: #0094ce;
  color: white;
}
[node-id="34d4754f503513b8"] .md-button {
  font-size: 33px;
  color: yellow;
}
```

尺寸和色彩樣式被覆寫, 所以無效







## 客製化節點樣式-取得節點node-id

- 刪除#Home\_Default .md-button的CSS樣式和色彩屬性, 只有font-size字型屬性, 如下所示:

```
[node-id="34d4754f503513b8"] .md-button {  
    font-size: 33px;  
}
```

溫度:

14

↑ BUTTON

☀️ BUTTON





# 標題列處理 - 下載範例Node-RED流程檔

- <https://github.com/fchart/node-red/tree/master/ch04>

master ▾ node-red / ch04 /		
fchart Add files via upload		
..		
📄	Clock_titlebar.json	Add files via upload
📄	Custom_Theme.json	Add files via upload
📄	Custom_Theme2.json	Add files via upload
📄	Icon_List.txt	Add files via upload
📄	Logo_time.json	Add files via upload
📄	ThemeFlows.json	Add files via upload
📄	Title_string_time.json	Add files via upload



# 標題列處理 - Clock\_titlebar.json

- 匯入Clock\_titlebar.json

Template type: Widget in group

Group: [Home] Default

Size: auto

名稱: Clock Toolbar

您要導入的某些節點已經存在於工作空間中。

取消 查看節點 導入副本



# 標題列處理 - Clock\_titlebar.json

Home

11:01:35

Default

gauge

0

32

units

10

溫度: 32

↑ BUTTON

⚙️ BUTTON

顯示文字

BUTTON

gauge

0

32

units

10

Temp: 32



# 標題列處理 - Title\_string\_time.json

- 匯入Title\_string\_time.json



屬性

Template type: Widget in group

Group: [Home] Default

Size: auto

名稱: Title / Clock

Template

```
1 <script id="clockScript1" type="text/javascript">
2   var clockInterval;
3   $(function () {
4     if (clockInterval) return;
5   }
6
```





# 標題列處理 - Title\_string\_time.json

```
1 <script id="clockScript1" type="text/javascript">
2   var clockInterval;
3   $(function () {
4     if (clockInterval) return;
5
6     //add title
7     var div1 = $('<div/>');
8     div1[0].style.margin = '10px auto';
9     div1[0].innerHTML = "This is a book"
10  }
```

HomeThis is a book2022/3/23 上午11:07:16

Default

gauge



0 6 10  
units

顯示文字

BUTTON

gauge



6



# 標題列處理 - Logo\_time.json



Default

gauge



顯示文字

BUTTON

gauge





# 標題列處理 - Logo\_time.json

```
1 <script id="clockScript1" type="text/javascript">
2   var clockInterval;
3   $(function () {
4     if (clockInterval) return;
5
6     //add logo
7     var div1 = $('<div/>');
8     var logo = new Image();
9
10    logo.src = 'https://raw.githubusercontent.com/fchart/fchart.github.io/master/img/penguins.png';
11    logo.height = 45;
12    logo.width = 45;
13    div1[0].style.margin = '10px auto';
14  }
```





# 整個網站的樣式 - Custom\_Theme.json

 Dashboard stylesheet

 Tab Stylesheet



```
1 <style>
2
3 :root {
4   --color-green-primary: rgb(51, 204, 51);
5   --color-green-secondary: rgb(26, 101, 26);
6   --color-red-primary: rgb(255, 0, 0);
7   --color-red-secondary: rgba(153,0,0,1);
8   --color-gray-primary:rgba(40,40,40,1);
9   --color-gray-secondary:rgba(65,65,65,1);
10  --color-text-primary: rgb(230, 226, 209);
11  --color-widget-border: rgb(84, 78, 78);
12 }
13
14 body {
15   background-image: url(https://images.hdqwalls.com/wallpapers/raspberry-pi-logo-h0.jpg);
16   background-repeat: no-repeat;
17   background-size: cover;
18 }
```





# 整個網站的樣式 - Custom\_Theme.json







# 整個網站的樣式 - Custom\_Theme2.json

