



附錄C: 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

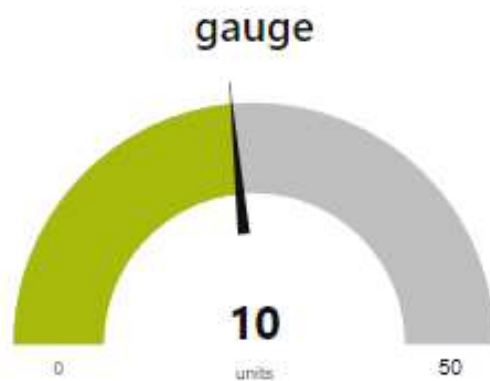




建立測試客製化的儀表板

Home

Default



溫度:

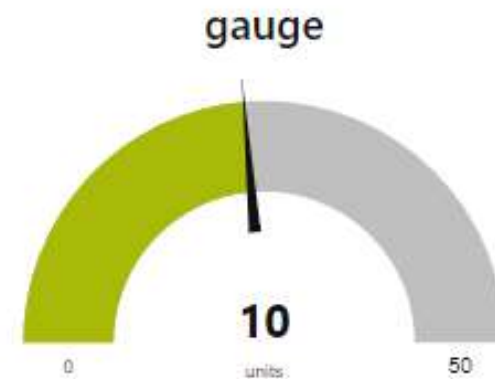
10

BUTTON

BUTTON

顯示文字

BUTTON

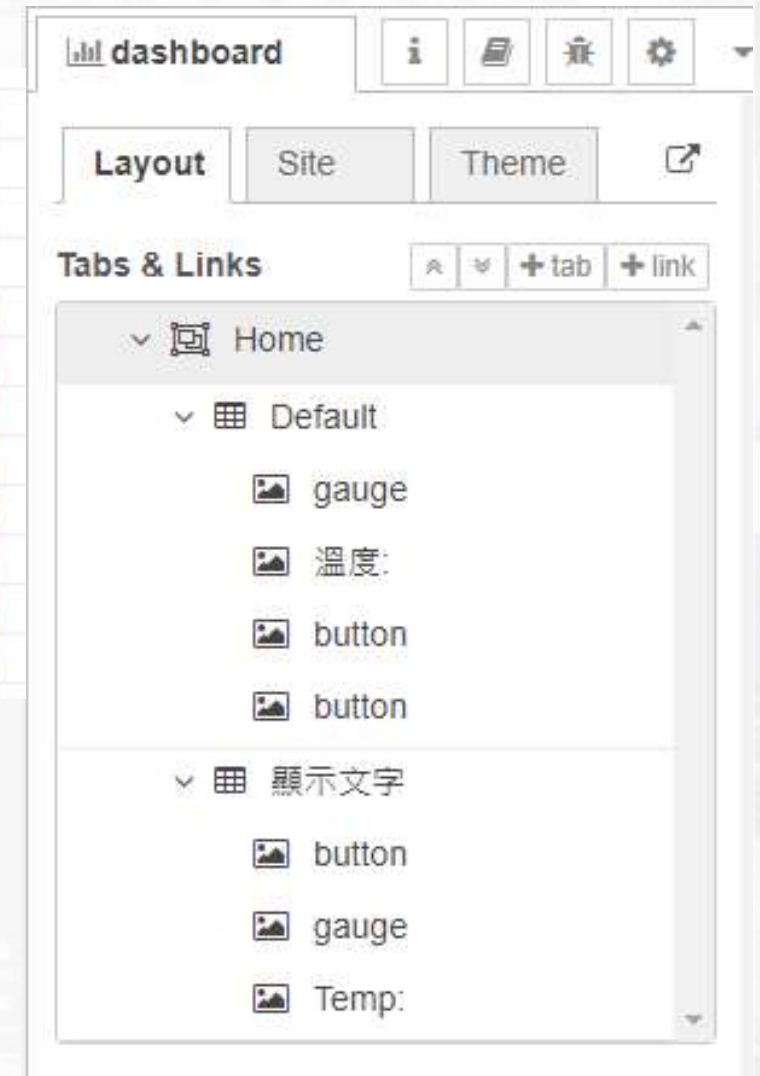
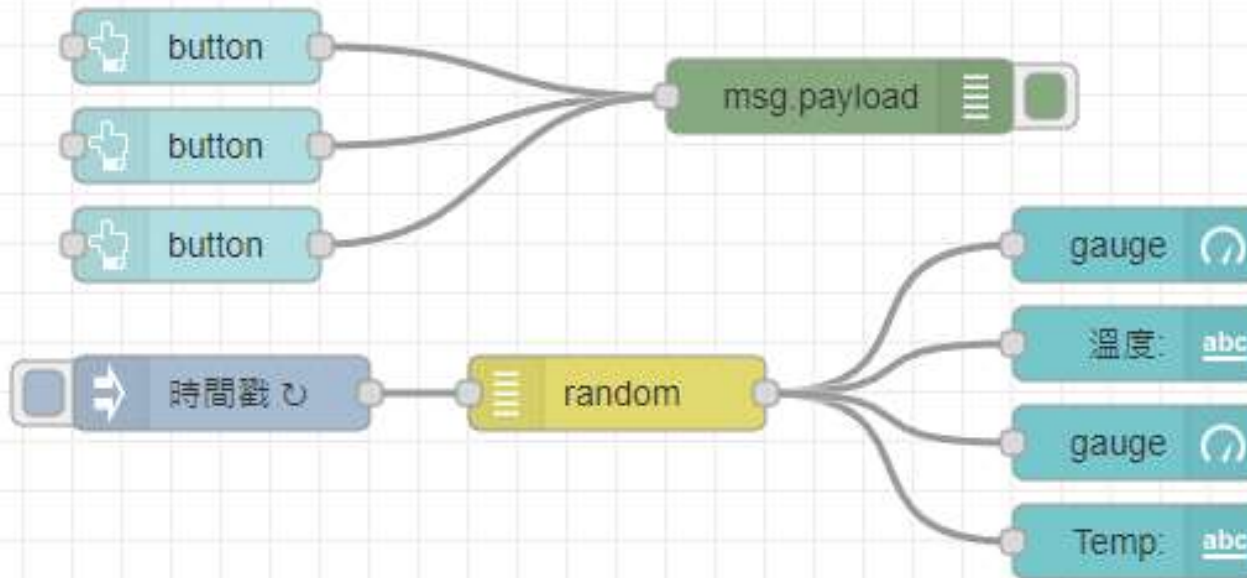


Temp:

10



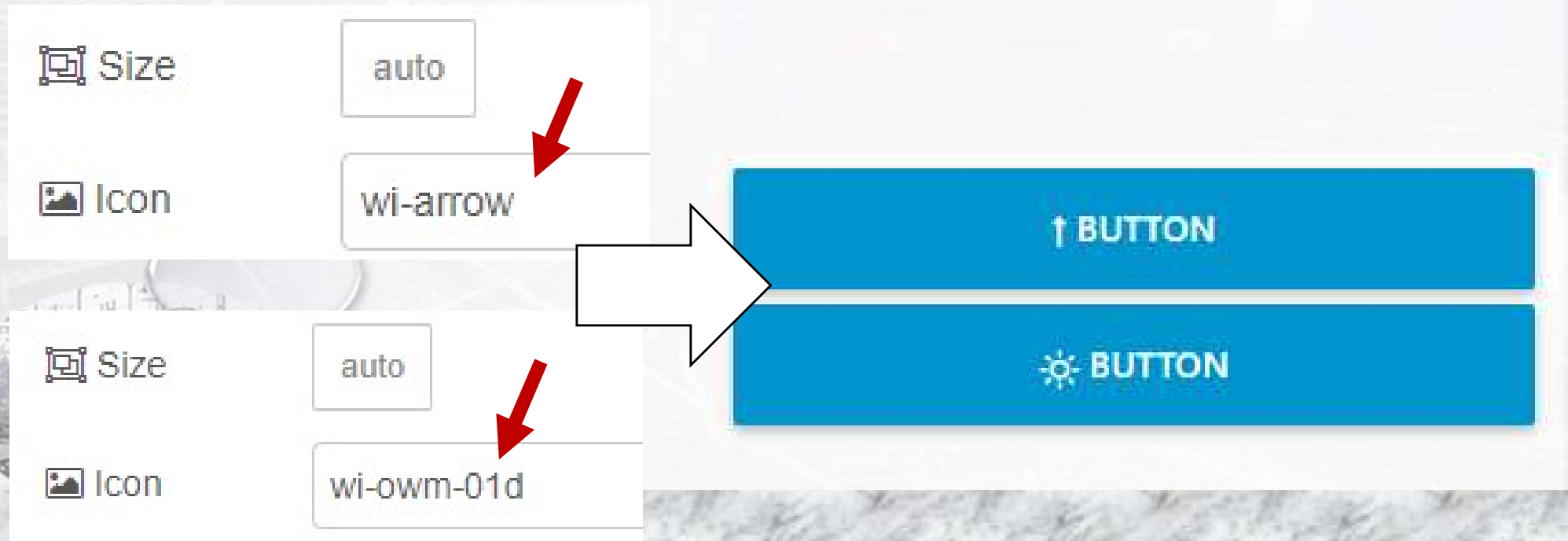
建立測試客製化的儀表板



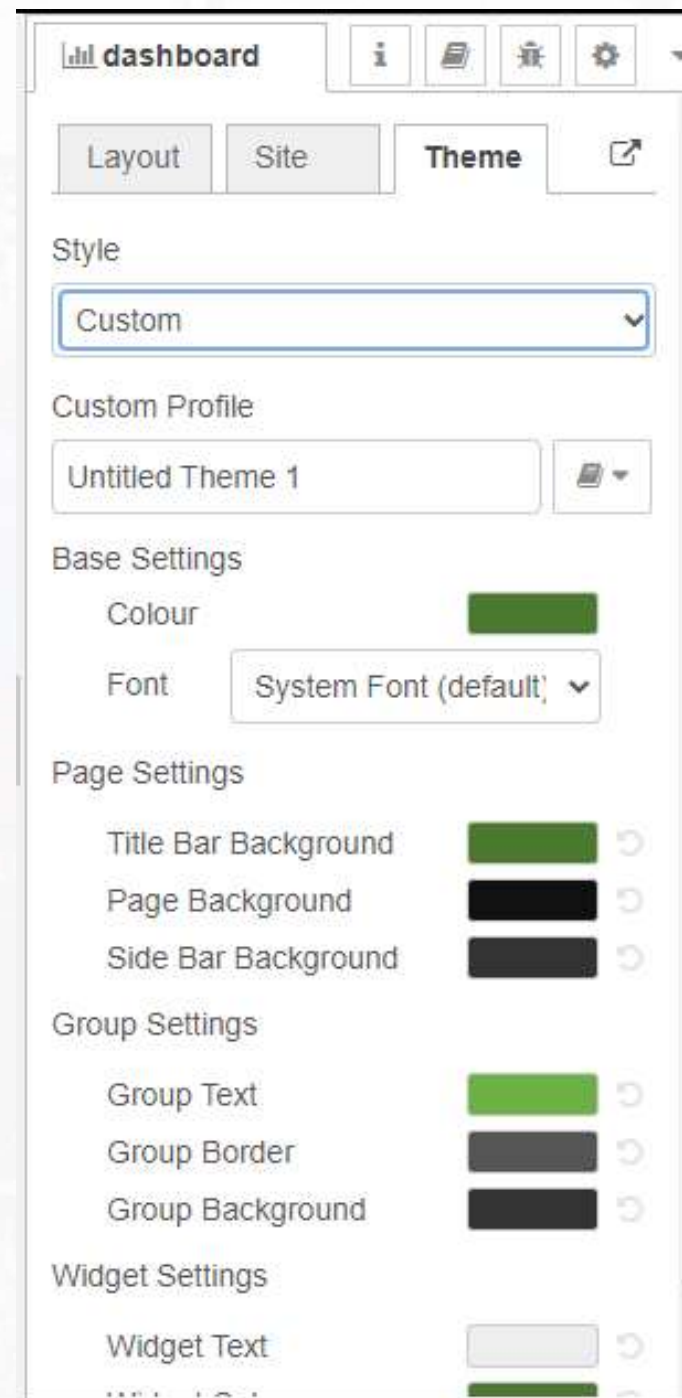
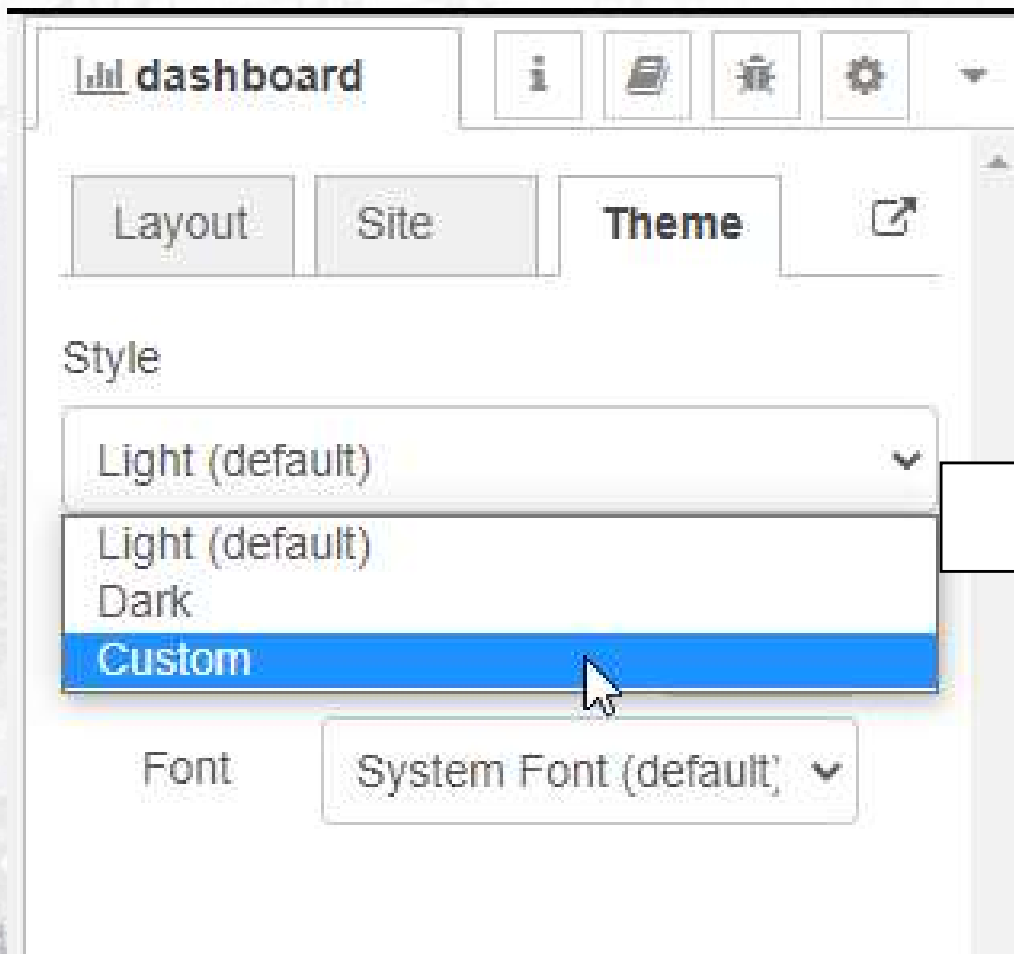


客製化元件的圖示

- <https://fontawesome.com/v4/icons/>
- <https://fontawesome.com/v4/cheatsheet/>
- https://github.com/Paul-Reed/weather-icons-lite/blob/master/css_mappings.md
- <https://klarsys.github.io/angular-material-icons/>

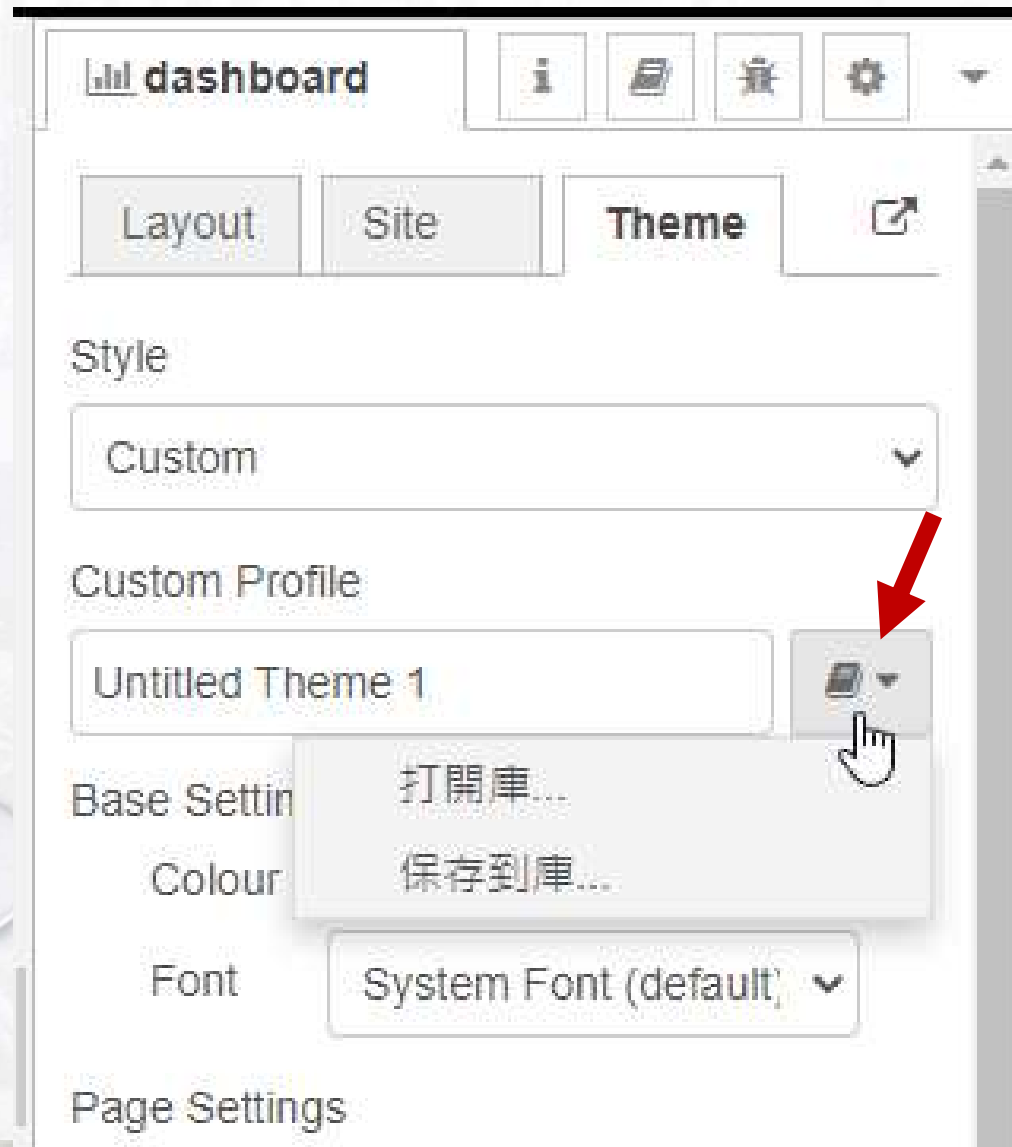


客製化網站色彩





客製化網站色彩－儲存和開啟客製化佈景



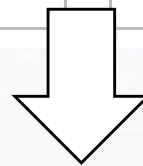


text元件的Value format輸出樣式

請注意! 並非每種元件都支援此方法更改樣式

`{{msg.payload}}`

[Label	溫度:
[Value format	<code>{{msg.payload}}</code>
Layout	<div>label value</div> <div>label value</div> <div>label value</div>



溫度:

14

↑ 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

Home

Default

gauge

p.label 35.47 x 21

Color #111111

Font 16px -apple-system, BlinkMacSystemFont...

Margin 1.6px 4px 1.6px 0px

Accessibility

Contrast Aa 18.88 ✓

Role paragraph

Keyboard-focusable

37

↑ BUTTON

Elements Console

```
style="left: 0px; top: 0px; width: 318px; height: 210px;">...</md-card> flex
<!-->
<!-->
<md-card ui-card-size="6x1" layout="row"
layout-align="space-between center" class="nr-d
ashboard-text _md layout-row layout-align-space
-between-center nr-dashboard-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:
h: 318px; height: 48px;"> flex
...
<p class="label" ng-bind-html="me.item.getLab
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-dashboar
d-button _md visible" ng-class="{ 'nr-dashboar-d
disabled':me.item.disabled}" node-id="e744fa1bd
7b5d-28" style="left: 0px; top: 270px; width: 31
...
out-align-space-between-center.nr-dashboard-widget-__visible p.label ...
```




自行使用CSS樣式更改元件外觀

```
...  
<p class="label" ng-bind-html="me.item.getLab  
el()">溫度:</p> == $0
```

HTML標籤

```
<p class="value" ng-bind-html="me.item.getTex  
t()">...</p>  
</md-card>  
<!-->  
<!-->  
<md-card ui-card-size="6x1" class="nr-dashboar  
d-button _md visible" ng-class="{ 'nr-dashboar
```

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

Styles Computed Layout Event Listeners DOM Breakpoints >>

Filter

:hov .cls +

```
element.style {  
}
```

```
.nr-dashboar-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

Default

gauge



溫度:

13

↑ BUTTON

⚙️ BUTTON

顯示文字

BUTTON

gauge



Temp:

13



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. A left sidebar contains a list of 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 person in a black dress, and a diamond) and the text '堅持:' (Persistence:). Below the banner, the title 'CSS Tutorial' is displayed in large black font, followed by a green button labeled '< Home'.

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_顯示文字** > * 

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:

8

↑ BUTTON

☀️ BUTTON

顯示文字



BUTTON

gauge



Temp:

8



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;  
}
```

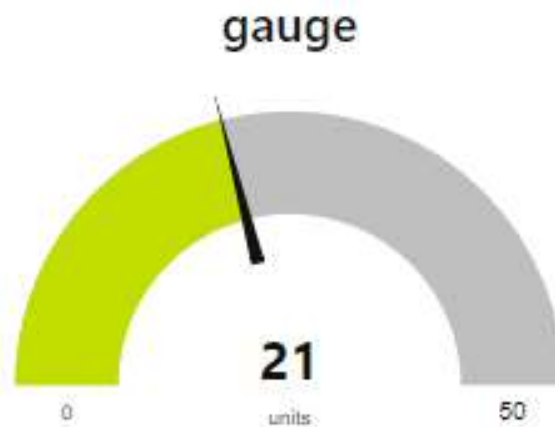
Template

```
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



溫度:

21

↑ BUTTON

☀️ BUTTON

顯示文字

BUTTON

gauge



Temp:

21



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>
18
```

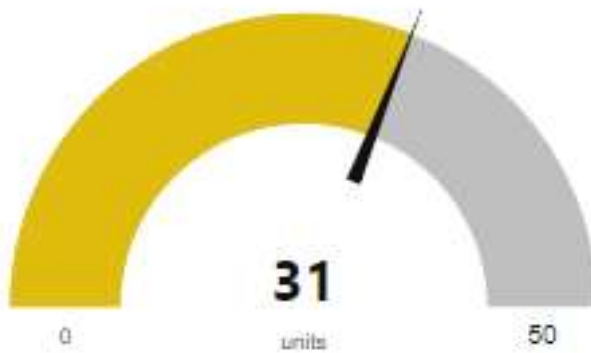




客製化群組樣式-限定群組下的text元件

Default

gauge



溫度:

31

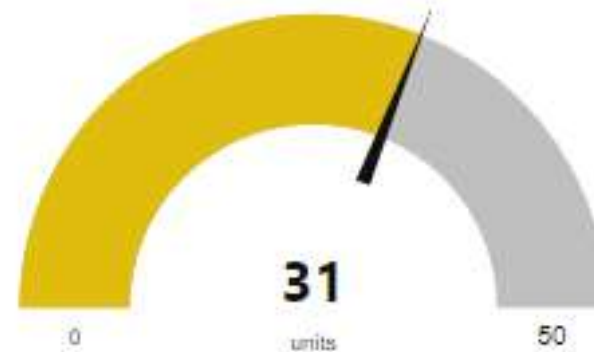
↑ BUTTON

☀️ BUTTON

顯示文字

BUTTON

gauge



Temp:

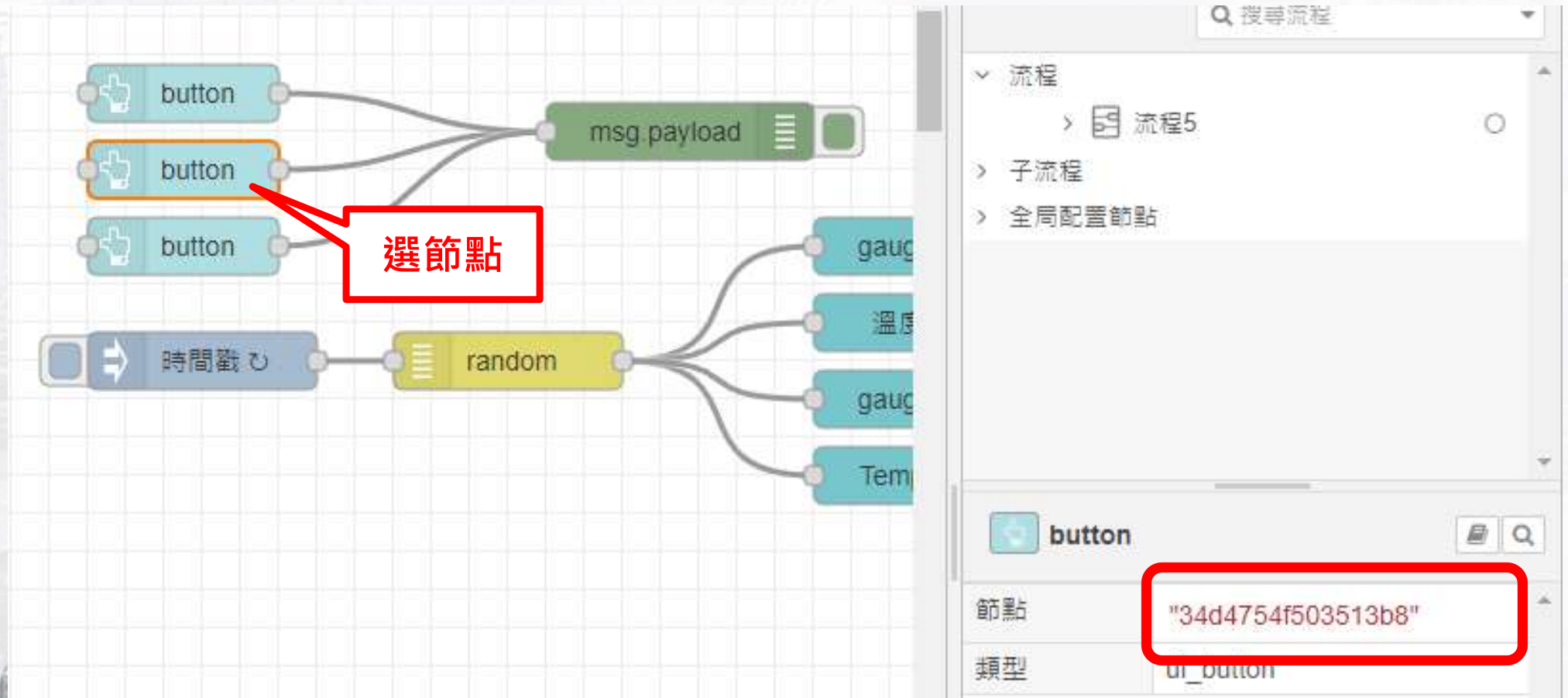
31





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;  
}
```

```
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+ #Home_顯示文字 .nr-dashboard-text .value {  
14+     font-size: 10px;  
15+     color: green;  
16+ }  
17+ #Home_顯示文字 .nr-dashboard-text p {  
18+     font-size: 10px;  
19+     color: green;  
20+ }  
21+ </style>
```





尺寸和色彩樣式被覆寫, 所以無效

The screenshot shows the Chrome DevTools interface. The top bar includes icons for navigation and a search bar. The console panel displays the following HTML structure:

```

isabled':me.item.disabled}" node-id="34d4754f50
3513b8" style="left: 0px; top: 324px; width: 31
8px; height: 48px;"> flex
...
<button class="md-raised md-button md-ink-rip
ple" type="button" ng-transclude ng-click="m
e.buttonClick($event)" aria-label="buttonbutt
on" ng-style="{ 'background-color':me.item.get
Text(), 'color':me.item.getColor(), 'z-inde
x':1, 'padding':'0px'}" style="z-index: 1; pa
dding: 0px;">...</button> == $0
</md-card>
<!-->

```

The styles panel shows the following styles for the button:

- Filter: `:hov .cls`
- element.style {
 - z-index: 1;
 - padding: 0px;
- #Home_Default .md-button {
 - font-size: 20px;
- .nr-dash-board-theme .nr-dash-board-button .md-button {
 - background-color: #0094ce;
 - color: white;
- .md-button.md-raised:not([disabled]) {
 - box-shadow: 0 2px 5px 0 rgba(0 0 0 / 26%);
- [node-id="34d4754f503513b8"] .md-button {
 - font-size: 33px;
 - color: yellow;



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;

```
}  
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 }  
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>
```

溫度:

9

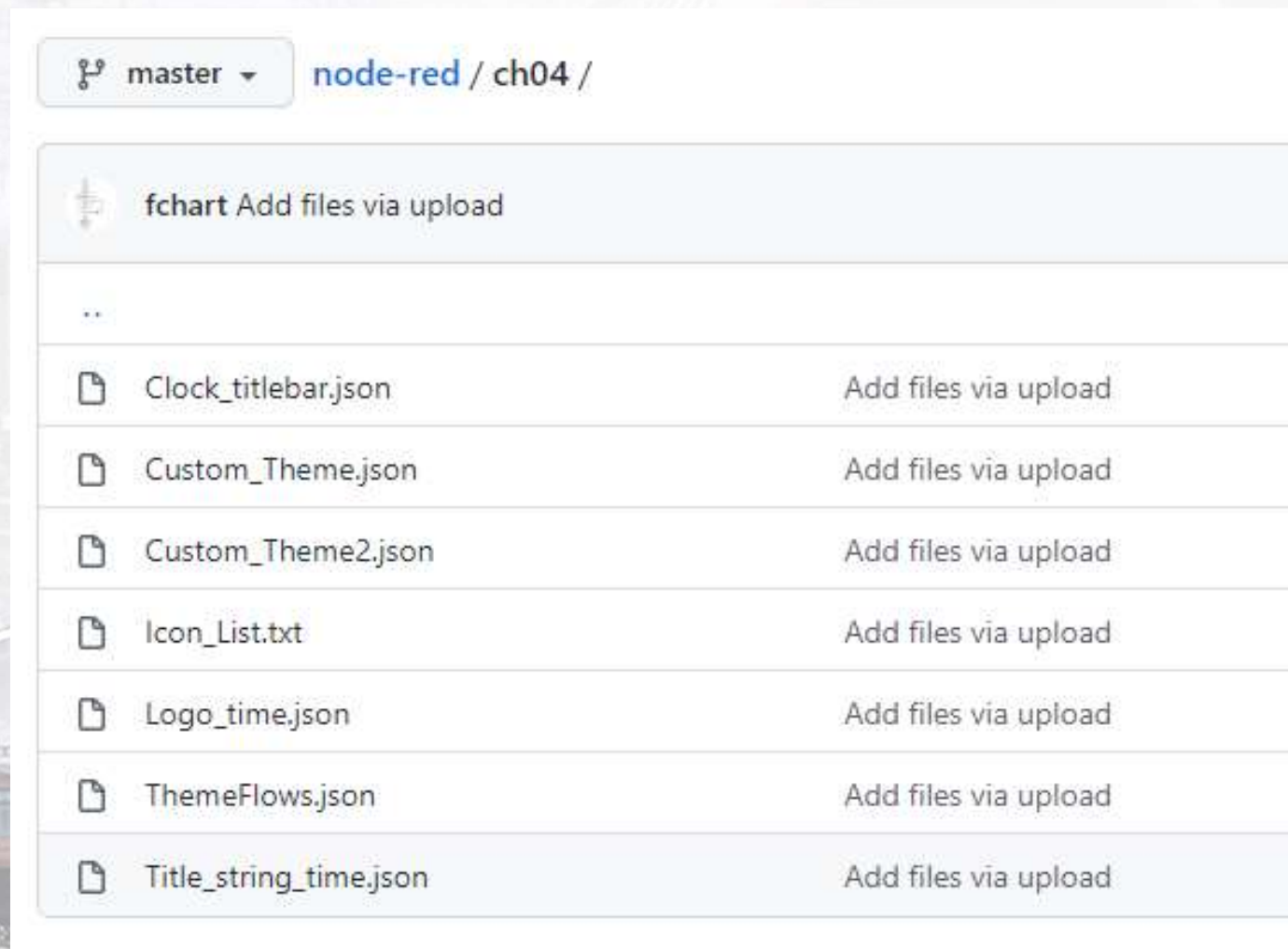
↑ BUTTON

☀️ 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  }
```

Home

This is a book

2022/3/23 上午11:07:16

Default

gauge



顯示文字

gauged





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

