

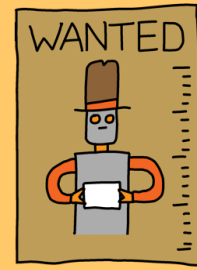


Projects

Wanted!

Learn how to make your own poster.

HTML / CSS



Step 1 Introduction

In this project, you'll learn how to make your own poster.



Additional information for club leaders

If you need to print this project, please use the **Printer friendly version** (<https://projects.raspberrypi.org/en/projects/wanted/print>).



Club leader notes

Introduction:

In this project, children will have an opportunity to write their own CSS. They will also edit and write CSS properties and selectors to make their own poster.

Online Resources

We recommend using **trinket** (<https://trinket.io/>) to write HTML & CSS online. This project contains the following trinkets:

- **'Wanted' starting point – jumpto.cc/web-wanted** (<http://jumpto.cc/web-wanted>)

Children can also make use of this blank trinket (**jumpto.cc/html-blank**) (<http://jumpto.cc/html-blank>) to write their own HTML & CSS, or alternatively they can use this template trinket (**jumpto.cc/html-template**) (<http://jumpto.cc/html-template>).

There is also a trinket containing a sample solution to the challenges:

- **'Wanted' Finished – trinket.io/html/eb56398a** (<https://trinket.io/html/eb56398a>)

Offline Resources

This project can be **completed offline** (<https://www.codeclubprojects.org/en-GB/resources/webdev-working-offline/>) if preferred. You can access the project resources by clicking the 'Project Materials' link for this project. This link contains a 'Project Resources' section, which includes resources that children will need to complete this project offline. Make sure that each child has access to a copy of these resources. This section includes the following files:

- template/index.html
- template/style.css
- wanted/index.html
- wanted/style.css

- wanted/robot.png

You can also find a completed version of this project's challenges in the 'Volunteer Resources' section, which contains:

- wanted-finished/index.html
- wanted-finished/style.css
- wanted-finished/robot.png

(All of the resources above are also downloadable as project and volunteer `.zip` files.)

Learning Objectives

- This project gives children the opportunity to write their own CSS to style a webpage.

This project covers elements from the following strands of the **Raspberry Pi Digital Making Curriculum** (<http://rpf.io/curriculum>):

- **Design basic 2D and 3D assets** (<https://www.raspberrypi.org/curriculum/design/creator>).

Challenges

- "Improving your poster" - adding new CSS properties to the `div` selector;
- "Improving your image" - adding new CSS properties to the `img` selector;
- "Make your poster awesome" - adding new CSS properties and new `h3` and `p` selectors;
- "Advertise an event" - Writing and editing HTML and CSS code.



Project materials

Project resources

- **.zip file containing all project resources** (<https://projects-static.raspberrypi.org/projects/wanted/7e0e6eeda73678888057a162f06ebc6941e06dc2/en/resources/wanted-project-resources.zip>)

- Online Trinket containing all 'Wanted!' project resources (<http://jumpto.cc/web-wanted>)
- Online Trinket template (<http://jumpto.cc/trinket-template>)
- Online blank Trinket (<http://jumpto.cc/trinket-blank>)
- template/index.html (<https://projects-static.raspberrypi.org/projects/wanted/7e0e6eeda7367888057a162f06ebc6941e06dc2/en/resources/template-index.html>)
- template/style.css (<https://projects-static.raspberrypi.org/projects/wanted/7e0e6eeda7367888057a162f06ebc6941e06dc2/en/resources/template-style.css>)
- wanted/index.html (<https://projects-static.raspberrypi.org/projects/wanted/7e0e6eeda7367888057a162f06ebc6941e06dc2/en/resources/wanted-index.html>)
- wanted/style.css (<https://projects-static.raspberrypi.org/projects/wanted/7e0e6eeda7367888057a162f06ebc6941e06dc2/en/resources/wanted-style.css>)
- wanted/robot.png (<https://projects-static.raspberrypi.org/projects/wanted/7e0e6eeda7367888057a162f06ebc6941e06dc2/en/resources/wanted-robot.png>)

Club leader resources

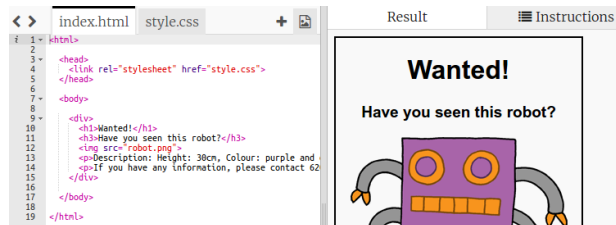
- .zip file containing all completed project resources (<https://projects-static.raspberrypi.org/projects/wanted/7e0e6eeda7367888057a162f06ebc6941e06dc2/en/resources/wanted-volunteer-resources.zip>)
- Online completed Trinket project (<https://trinket.io/html/ebeb56398a>)
- wanted-finished/index.html (<https://projects-static.raspberrypi.org/projects/wanted/7e0e6eeda7367888057a162f06ebc6941e06dc2/en/resources/wanted-finished-index.html>)
- wanted-finished/style.css (<https://projects-static.raspberrypi.org/projects/wanted/7e0e6eeda7367888057a162f06ebc6941e06dc2/en/resources/wanted-finished-style.css>)
- twanted-finished/robot.png (<https://projects-static.raspberrypi.org/projects/wanted/7e0e6eeda7367888057a162f06ebc6941e06dc2/en/resources/twanted-finished-robot.png>)

Step 2 Styling your poster

Let's start by editing the CSS code for the poster.

- Open this trinket: **jump to cc/web-wanted** (<http://jump to cc/web-wanted>).

The project should look like this:



- Click on the "style.css" tab. You'll notice that there are already CSS properties for the **div** containing the different parts of the poster.

```
div {
  text-align: center;
  overflow: hidden;
  border: 2px solid black;
  width: 300px;
}
```

- Let's start by altering the **text-align** property:

```
text-align: center;
```

What happens when you change the word **center** to **left** or **right**?

- How about the **border** property?

```
border: 2px solid black;
```

2px in the code above means 2 pixels. What happens when you change **2px solid black** to **4px dotted red**?

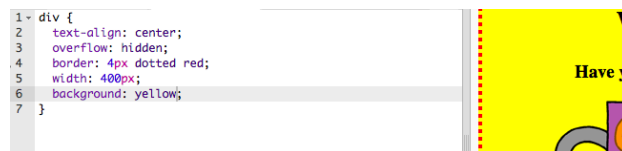
- Change the `width` of the poster to `400px`. What happens to the poster?
- Let's add some CSS to set the background colour of the poster. Go to the end of line 5 of your code and press return, so that you have a new blank line.

```
1 div {  
2   text-align: center;  
3   overflow: hidden;  
4   border: 2px solid black;  
5   width: 300px;  
6  
7 }
```

Type the following code on your new blank line:

```
background: yellow;
```

Make sure that you type in the code *exactly* as it is above. You should notice that the background of the `<div>` is now yellow.



Step 3 Challenge: Improving your poster

Add the following CSS property to your `div` style:

```
border-radius: 40px;
```

What does this property do? What happens if you change the number in the code above?

Step 4 Styling images

Let's improve the style of the image in the poster.

- At the moment, there aren't any CSS properties for your `` tag, so let's add some!

Firstly, add the following code underneath the CSS for your div:

```
img {  
  
}
```

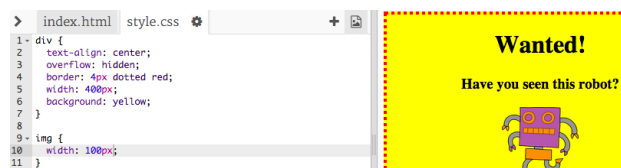
```
> index.html style.css ⚙  
1 div {  
2   text-align: center;  
3   overflow: hidden;  
4   border: 4px dotted red;  
5   width: 400px;  
6   background: yellow;  
7 }  
8  
9 img {  
10  
11 }
```

- We can now add CSS properties for images between the curly brackets.

For example, add this code between the curly brackets to set the width of the image:

```
width: 100px;
```

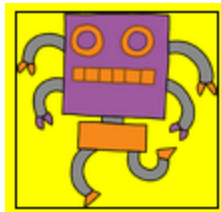
You'll see that the size of the image changes, so that its width is 100 pixels.



- You can also add a border around the image with this code:

```
border: 1px solid black;
```

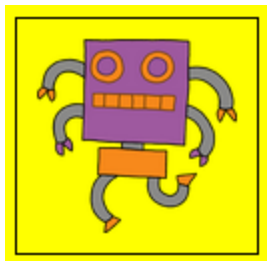
- Have you noticed that there's not much space between the image and the border?



You can fix this by adding some padding around the image:

```
padding: 10px;
```

Padding is the space between the content (in this case an image) and its border.



What do you think would happen if you changed the padding to `50px`?

Step 5 Challenge: Improving your image

Can you give your image a background colour? Or a rounded border?

You can find more CSS colour names at [jump to cc/colours](http://jump.o.cc/colours) (<http://jump to cc/colours>).

Step 6 Styling headings

Let's improve the style of the `<h1>` heading.

- Add the following code underneath your image's CSS:

```
h1 {  
  
}
```

This is where you'll add CSS properties for your main `<h1>` heading.

- To change the font of your `<h1>` headings, add the following code between the curly brackets:

```
font-family: Impact;
```

- You can also change the size of the heading:

```
font-size: 50pt;
```

- Have you noticed that there's a big space between the `<h1>` heading and the stuff around it?



This is because there's a margin around the heading. A margin is the space between the element (in this case a heading) and the other stuff around it.

You can make the margin smaller with this code:

```
margin: 10px;
```

- You can also underline your heading:

```
text-decoration: underline;
```

Step 7 Challenge: Make your poster awesome!

Add more CSS code to style your `<h3>` headings and your paragraphs.



Here's a list of some CSS properties you can use:

```
color: black;
background: white;
font-family: Arial / Comic Sans MS / Courier /
Impact / Tahoma;
font-size: 12pt;
font-weight: bold;
text-decoration: underline overline line-through;
margin: 10px;
padding: 10px;
width: 100px;
height: 100px;
```

Step 8 Challenge: Advertise an event!

Can you make a poster for an event happening at your school? It could be a play, a sporting event, or even a poster advertising your Code Club!

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View project & license on GitHub (<https://github.com/RaspberryPiLearning/wanted>).