

The background features a complex, abstract design composed of several concentric circles and arrows. The circles are rendered in white and light gray, creating a sense of depth and motion against a dark blue gradient background. Some circles have arrows pointing clockwise, while others have arrows pointing counter-clockwise, suggesting a dynamic or cyclical process.

# HTML, CSS & JS COMBINATIONS

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# GUESS THE COLOR GAME - DESCRIPTION

- <https://projects.raspberrypi.org/en/projects/cd-beginner-javascript-sushi>
- RGB Game
- Different colors are purposed but only one has the given RGB code (R=205, G=166, B=226)
- If the user clicks in the correct color, the application returns “correct” else “false”
- When button “Reset” clicked, color code and the purposed colors change



There are infinite ways to solve problems, I'm only purposing one of them.

# GUESS THE COLOR GAME – STEP BY STEP

The best way strategy is to solve one problem at a time 😊

In a new page: (With htm and css)

- Add title “Guess the colour!”
- Add RGB code example text
- Add 6 circles with different colours
- Add text “Correct!”
- Add button to reset the game



There are infinite ways to solve problems, I'm only purposing one of them.

# GUESS THE COLOR GAME – INTERACTIONS

Which dynamic events happen in this game?

1. We have a random RGB colour text (each time)
2. 6 different colours
3. 1 of the colours is the same as the text
4. On click of a circle we get message “Correct” or “False”
5. Reset button:
  - Resets 1), 2), 3) 4)



Google is your friend! ☺

Try, fail and try again! Failure is good for success! ☺

# GUESS THE COLOR GAME – TIPS

Try to find out how each weird event happens

- Random values? With HTML? With CSS? With JS?
  - JS → `Math.random()` AND `Math.floor()`
- How to create a circle? With HTML? With CSS? With JS?
  - CSS → `Border-radius` allows to do round edges
  - CSS → `Width == Height` → Square
  - CSS → Square with round edges = Circle ☺
- Set color of the circle? With HTML? With CSS? With JS?
  - CSS → `Background-color`
  - CSS → Function `rgb(R,G,B)`
  - JS → `object.style.backgroundColor= "red";`



[https://www.w3schools.com/js/js\\_random.asp](https://www.w3schools.com/js/js_random.asp)

[https://www.w3schools.com/howto/howto\\_css\\_circles.asp](https://www.w3schools.com/howto/howto_css_circles.asp)

[https://www.w3schools.com/jsref/prop\\_style\\_backgroundcolor.asp](https://www.w3schools.com/jsref/prop_style_backgroundcolor.asp)

[https://www.w3schools.com/cssref/func\\_rgb.asp](https://www.w3schools.com/cssref/func_rgb.asp)

# HOW TO JS EXAMPLES

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

The background features a complex, abstract design. On the left side, there are several concentric circles in white and light gray, with numerical values ranging from 40 to 260 marked along their outer edges. These circles are partially obscured by numerous small, semi-transparent blue and white circular bokeh lights of varying sizes, creating a sense of depth and motion. The overall color palette transitions from a reddish-pink hue on the left to a deep purple and blue on the right.

THANK YOU!

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