

# Cartoon Sun with CSS

**Objective:** Use HTML and CSS to create a stylized cartoon sun with extending rays. This exercise will reinforce your skills in CSS positioning, creating shapes, and using the CSS transform property.

## Instructions:

### 1. Create the Sun's Core:

- In your HTML file, start by creating a `div` element with a class name of `sun`.
- Style the sun to be a perfect circle using `width`, `height`, and `border-radius`.
- Give it a radiant color with the `background-color` property.

### 2. Add Sun Rays:

- For each ray of the sun, create a new `div` element with a class name of `ray`.
- Position your rays absolutely within the container of the sun using the `position` property.

### 3. Style the Rays:

- Make the rays rectangular and tall. Use `width` and `height` to adjust their shape.
- Use `transform-origin` to set the pivot point for the rotation at the base of each ray, near the sun's circle.

### 4. Rotate the Rays:

- Use the `transform: rotate();` property to angle your rays around the sun. You can create a loop in your CSS with `:nth-child` or inline in your HTML with the `style` attribute.

### 5. Center the Sun:

- Use flexbox properties on the parent container to center your sun horizontally and vertically in the viewport.

- Ensure the background of your body or container reflects the sky, giving context to your sun.

