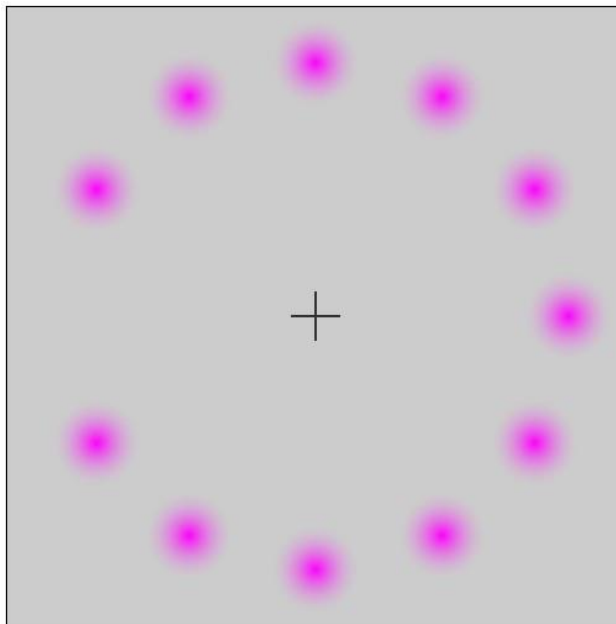


Computer Programming Canvas #14 – Lilac Chaser

Objective: Use the HTML5 canvas object and Javascript to create the Lilac Chaser. The Lilac Chaser asks you to stare at the cross in the center. Does the empty spot turn green? Do the lilac circles disappear?

1. In your *Computer Programming* folder, create a folder titled *first_last_canvas_14*. Copy the *template.html* file and paste it in your *first_last_canvas_14* folder. Rename the *template.html* file to *lilac_chaser.html*.
2. Edit the *lilac_chaser.html* file,
 - a) Change *CHANGE ME* to *First Last – Canvas 14*
 - b) Change the width of <canvas> to 500 and the height to 500.
 - c) In the draw() method, draw the Lilac Chaser on the canvas.
 - d) Use color code #CCCCCC for the background color of the canvas.
 - e) Each circle should be filled using a radial gradient. There should be two color stops: rgba(255,0,255,1) at position 0 and rgba(222,165,222,0) at position 1.
 - f) The radius of each circle is 35. The outer edge of the circles closest to the edges of the canvas should be 10 away from the edge of the canvas.
 - g) The + at the center should be drawn with color #333333 and a line width of 2. The + should be centered on the canvas and be 40 wide and 40 tall.
 - h) You must use a loop to draw the circles.
 - i) There are 12 positions where a circle can be drawn. Each time you draw, one circle will not be drawn. You need to keep track of which circle not to draw.
 - j) The animation on this is very fast. Keep a counter of how many times the draw() function has been called. Only draw if the counter is a multiple of 8.



3. Zip your *first_last_canvas_14* folder. Turn in your *first_last_canvas_14.zip* file.