What I have added

HTML:

<!--meta tags for responsiveness-->

  <meta name="viewport" content="width=device-width,initial-scale=1.0">

  <meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1">

  <meta name="HandheldFriendly" content="true">

  <meta charset="utf-8">

<div class="settings">

    <p>Choose an effect:</p>

    <label for="none">none</label>

    <input type="radio" id="none" name="effect">

    <label for="source-atop">source-atop</label>

    <input type="radio" id="source-atop" name="effect">

    <label for="multiply">multiply</label>

    <input type="radio" id="multiply" name="effect">

    <label for="destination-over">destination-over</label>

    <input type="radio" id="destination-over" name="effect">

    <label for="destination-in">destination-in</label>

    <input type="radio" id="destination-in" name="effect">

    <label for="destination-out">destination-out</label>

    <input type="radio" id="destination-out" name="effect">

    <label for="destination-atop">destination-atop</label>

    <input type="radio" id="destination-atop" name="effect">

    <label for="lighter">lighter</label>

    <input type="radio" id="lighter" name="effect">

    <label for="copy">copy</label>

    <input type="radio" id="copy" name="effect">

    <label for="xor">xor</label>

    <input type="radio" id="xor" name="effect">

    <label for="screen">screen</label>

    <input type="radio" id="screen" name="effect">

    <label for="overlay">overlay</label>

    <input type="radio" id="overlay" name="effect">

    <label for="darken">darken</label>

    <input type="radio" id="darken" name="effect">

    <label for="lighten">lighten</label>

    <input type="radio" id="lighten" name="effect">

    <label for="color-dodge">color-dodge</label>

    <input type="radio" id="color-dodge" name="effect">

    <label for="color-burn">color-burn</label>

    <input type="radio" id="color-burn" name="effect">

    <label for="hard-light">hard-light</label>

    <input type="radio" id="hard-light" name="effect">

    <label for="soft-light">soft-light</label>

    <input type="radio" id="soft-light" name="effect">

    <label for="difference">difference</label>

    <input type="radio" id="difference" name="effect">

    <label for="exclusion">exclusion</label>

    <input type="radio" id="exclusion" name="effect">

    <label for="hue">hue</label>

    <input type="radio" id="hue" name="effect">

    <label for="saturation">saturation</label>

    <input type="radio" id="saturation" name="effect">

    <label for="color">color</label>

    <input type="radio" id="color" name="effect">

    <label for="luminosity">luminosity</label>

    <input type="radio" id="luminosity" name="effect">

    <label for="line-width">Line Width:</label>

    <input type="number" id="line-width" value="50" min="1" max="100">

    <label for="auto-width">Auto Width</label>

    <input type="checkbox" id="auto-width">

    <!-- Clear Canvas Button -->

    <button id="clear-canvas">Clear Canvas</button>

  </div>

  <canvas id="draw"></canvas>

CSS:

html,

    body {

      margin: 0;

      width: 100%;

      height: 100%;

    }

    html {

      max-height: -webkit-fill-available;

      overflow-y: hidden;

    }

    canvas {

      width: -webkit-fill-available;

      height: -webkit-fill-available;

    }

    .settings {

      position: absolute;

      background-color: black;

      color: aliceblue;

      padding: 1%;

    }

Script:

const radioButtons = document.querySelectorAll('input[name="effect"]');

    radioButtons.forEach(radio => {

      radio.addEventListener('change', function () {

        switch (this.id) {

          case 'none':

            ctx.globalCompositeOperation = 'source-over';

            break;

          case 'source-atop':

            ctx.globalCompositeOperation = 'source-atop';

            break;

          case 'multiply':

            ctx.globalCompositeOperation = 'multiply';

            break;

          case 'destination-over':

            ctx.globalCompositeOperation = 'destination-over';

            break;

          case 'destination-in':

            ctx.globalCompositeOperation = 'destination-in';

            break;

          case 'destination-out':

            ctx.globalCompositeOperation = 'destination-out';

            break;

          case 'destination-atop':

            ctx.globalCompositeOperation = 'destination-atop';

            break;

          case 'lighter':

            ctx.globalCompositeOperation = 'lighter';

            break;

          case 'copy':

            ctx.globalCompositeOperation = 'copy';

            break;

          case 'xor':

            ctx.globalCompositeOperation = 'xor';

            break;

          case 'screen':

            ctx.globalCompositeOperation = 'screen';

            break;

          case 'overlay':

            ctx.globalCompositeOperation = 'overlay';

            break;

          case 'darken':

            ctx.globalCompositeOperation = 'darken';

            break;

          case 'lighten':

            ctx.globalCompositeOperation = 'lighten';

            break;

          case 'color-dodge':

            ctx.globalCompositeOperation = 'color-dodge';

            break;

          case 'color-burn':

            ctx.globalCompositeOperation = 'color-burn';

            break;

          case 'hard-light':

            ctx.globalCompositeOperation = 'hard-light';

            break;

          case 'soft-light':

            ctx.globalCompositeOperation = 'soft-light';

            break;

          case 'difference':

            ctx.globalCompositeOperation = 'difference';

            break;

          case 'exclusion':

            ctx.globalCompositeOperation = 'exclusion';

            break;

          case 'hue':

            ctx.globalCompositeOperation = 'hue';

            break;

          case 'saturation':

            ctx.globalCompositeOperation = 'saturation';

            break;

          case 'color':

            ctx.globalCompositeOperation = 'color';

            break;

          case 'luminosity':

            ctx.globalCompositeOperation = 'luminosity';

            break;

          default:

            break;

        }

      });

    });

    // Add event listener to adjust line width

    const lineWidthInput = document.getElementById('line-width');

    lineWidthInput.addEventListener('input', function () {

      ctx.lineWidth = parseInt(this.value);

    });

    // Add event listener for "Auto Width" checkbox

    const autoWidthCheckbox = document.getElementById('auto-width');

    autoWidthCheckbox.addEventListener('change', function () {

      autoWidth = this.checked;

    });

    // Clear Canvas Button

    const clearCanvasButton = document.getElementById('clear-canvas');

    clearCanvasButton.addEventListener('click', function () {

      ctx.clearRect(0, 0, canvas.width, canvas.height);

    });

As an extra feature, I have made a responsive design to the web page by including meta tags for viewport settings. This ensures that the content scales appropriately on various devices.

Additionally, I improved the overall layout by setting the width and height of the html and body elements to 100%, and I used the -webkit-fill-available property for the canvas to make it occupy the entire available space within its container.

Furthermore, I introduced a settings panel containing radio buttons for selecting different global composite operation effects, an input field to adjust the line width of the drawing, and a checkbox to enable or disable the auto-width feature. These settings provide users with more control over the drawing appearance.

Finally, a "Clear Canvas" button was added, allowing users to easily reset the canvas and start over. These enhancements aim to improve the user experience and offer more customization options for the drawing application.