1. List the four major HTML specifications for color. What is the difference between each of the specifications?

The four major HTML specifications for color are colors, RGB, HEX, and HSL. HTML colors can be specified by simply typing the desired color name in the embedded CSS portion of the code. For example, “tomato” or “orange.” In contrast, RGB (red, green, blue) colors allow for more specificity and a large array of colors than HTML colors provide. For example, The possible RGB colors: 256 x 256 x 256 = 16777216 possible colors! HEX (hexadecimal) colors are specified with the follow characters: #RRGGBB, where the RR (red), GG (green) and BB (blue) hexadecimal integers specify the components of the color. For instance, #ff0000 would display red. Finally, In HTML, a color can be specified using hue, saturation, and lightness (HSL) in the form: HSL (hue, saturation, lightness), in contrast to other methods/forms of specifying color.

1. What does the “a” add to rgb and hsl color scheme?

The “a” in the RGBA color value is an extension of RGB with an Alpha channel (opacity). Likewise, the “a” in HSLA is an extension, which refers to the Alpha channel (opacity).

1. Click on RGB under HTML Colors within w3schools.com: scroll down to the text “Experiment” by mixing the RGBA values below. Create your own color using the sliders. Save a screenshot of your work to a document named MyRGBAColor.docx.

Done.

1. Click on HSL under HTML Colors within w3schools.com: scroll down to the text “Experiment” by mixing the HSL values below. Create your own color using the sliders. Save a screenshot of your work to a document named MyHSLColor.docx.

Done.

1. What are the “classic color schemes”? What is the difference between each?

Achromatic Color Schemes, Monochromatic Color Schemes, Analogous Color Schemes, Complementary Color Schemes, Triadic color schemes, and Compound (aka Split Complementary) Color Schemes are the classic color schemes. The black on white achromatic color scheme is the default color scheme for a web page. The white on black achromatic color scheme is often preferred for smaller devices. Monochromatic color schemes are easy to create because they use only one color. Monochromatic schemes use different tones from the same angle on the color wheel (the same hue). Analogous color schemes are created by using colors that are next to each other on the color wheel. Complementary schemes are created by combining colors from opposite sides of the color wheel. Triadic schemes are made up of hues equally spaced around color wheel. Compound schemes are almost the same as complementary schemes. However, instead of using colors that are opposites, it uses colors on both sides of the opposite hue.

1. What color scheme are you considering for your web project?

I’m considering using the Triadic color scheme with dark orange, light green, and dark purple/hazel.