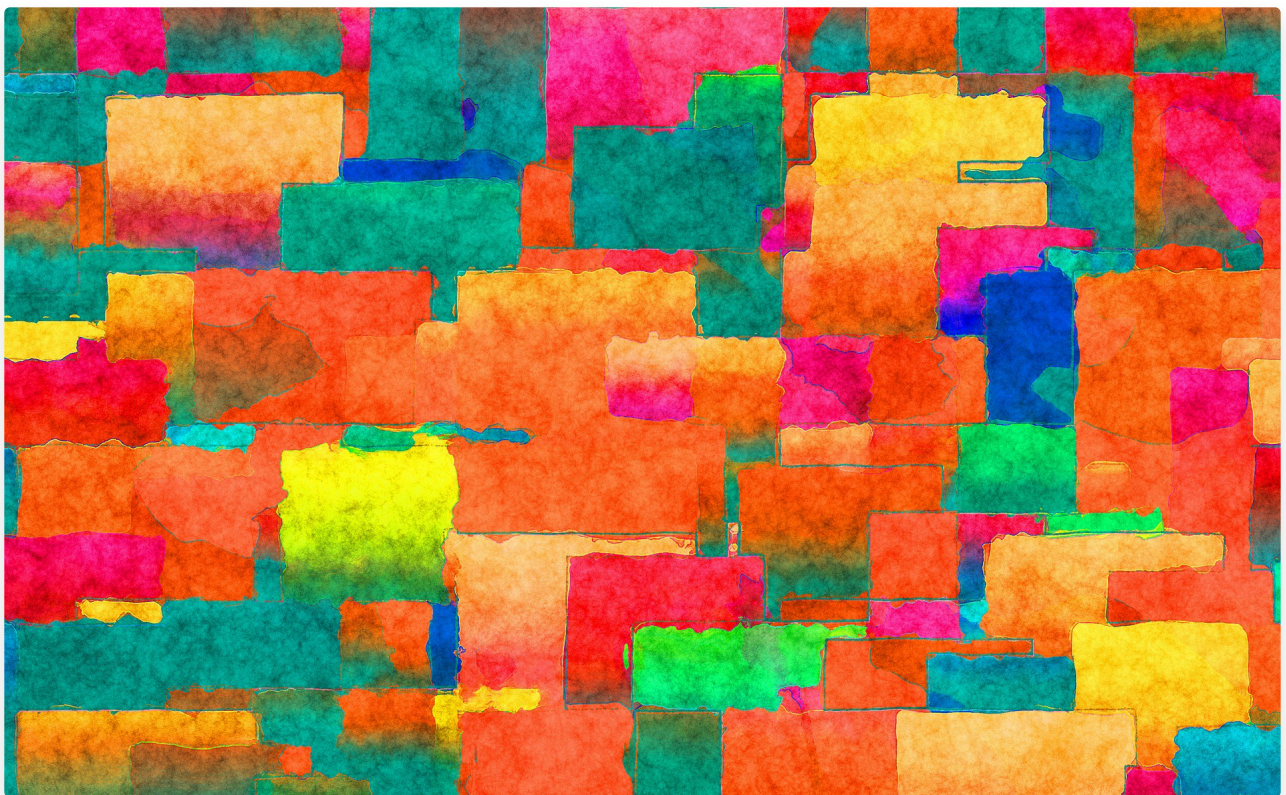


Text Colors

Textbook

Text Colors

Learn how to personalize your website with style attributes! In this lesson, you'll learn how to change the color of text on your page.



Your new website is up and running and you know how to add content! But what about changing the style of your site?

You can customize the appearance of content on your site by adding a style [attribute](#) to an [HTML](#) tag. [Attributes](#) are lines added inside a [tag](#), after the [tagName](#). They control the tag's behavior and appearance on the page. In this lesson, we are using the style [attribute](#).

Inside the h1 opening tag (after the tagName but before the ">" symbol), add style="" in the tag, like this:

```
1 <h1 style="">Hello World!</h1>
```

Try it!

First, you need to specify the [property](#) you want to change. Then, specify the [value](#) that you want to define that property. An example of a property is text color and a value would be the color itself.

```
1 <h1 style="color:green;">Hello World!</h1>
```

Try it!

Inside the quotations, write out the property and value separated by a colon. This is called a [property-value pair](#).

For example: `color:green;`

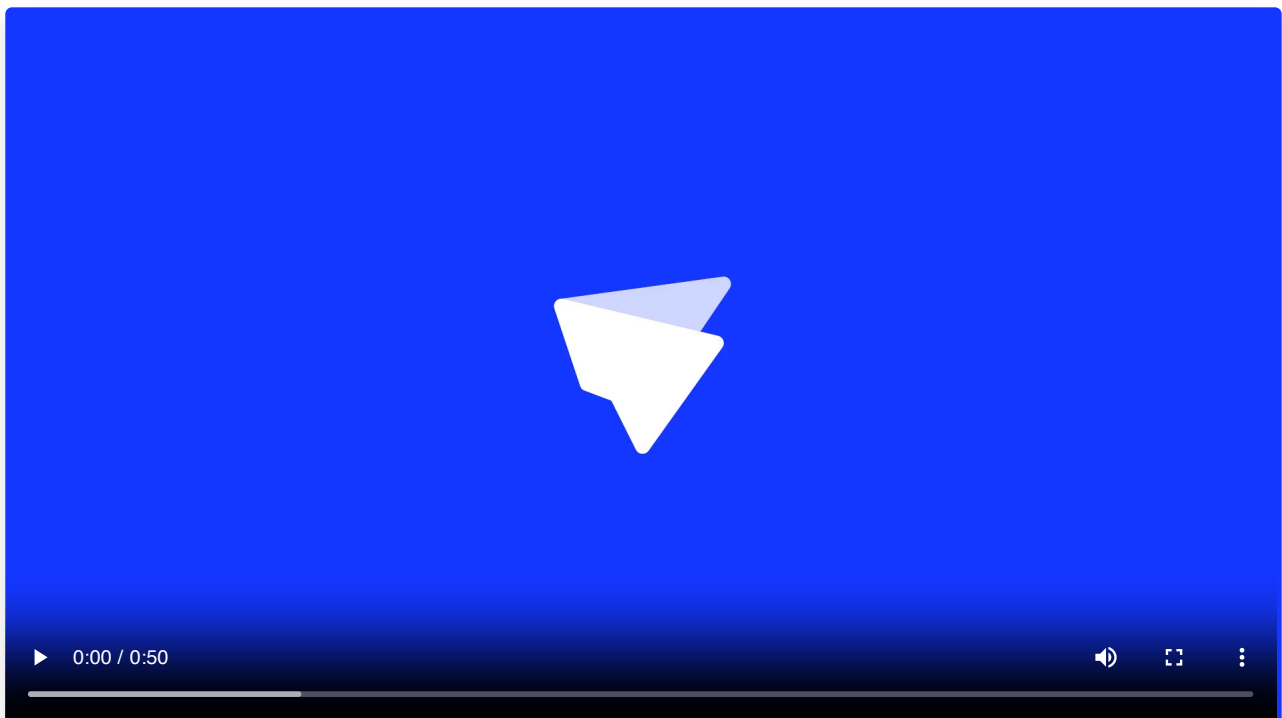
```
1 <h1 style="color:blue;">Hello World!</h1>
```

Try it!

The code will work with or without the semicolon in this code. The semicolon is useful for later lessons when we add more property value pairs.

Recommended colors:

Red, Orange, Yellow, Green, Blue, Purple, Pink, Gray, Brown, Magenta, Turquoise, Coral, Lime, Aqua, HotPink



RGB Colors

RGB stands for Red, Green, and Blue, which are the primary colors of light used in digital displays and imaging. An RGB color is created by combining these three colors in various intensities. Each color channel (Red, Green, and Blue) can have a value ranging from 0 to 255. By adjusting the intensity of each channel, you can create a wide spectrum of colors.

For example:

- **RGB(255, 0, 0)** produces pure red.
- **RGB(0, 255, 0)** produces pure green.
- **RGB(0, 0, 255)** produces pure blue.

- **RGB(255, 255, 255)** produces white (all colors at full intensity).
- **RGB(0, 0, 0)** produces black (no color).

The RGB color model is widely used in electronic displays like computer monitors, televisions, and cameras.

Checkpoint

Text Colors

Add style attributes to three heading tags.

Then, change the **text color** for each heading.

Example Output

Good Morning!

It's a good day!

Let's learn something new.

Requirements:

- Colors applied to three heading tags.

Questions (10)

1. What do you need to add to an HTML tag to customize the appearance of the content of your site?

MULTIPLE CHOICE

Choose the correct answer:

- A. Attribute
- B. Semicolon
- C. Keyword
- D. Color

2. Edit the text box below to debug (fix) the code:

DEBUG CODE

Code to Debug:

```
1 <h1 style:"color=blue;"></h1>
```

MULTIPLE CHOICE

3. Is "Orange" an example of a property or a value?

Choose the correct answer:

- A. value
- B. property

MULTIPLE CHOICE

4. Is "Color" an example of a property or a value?

Choose the correct answer:

- A. property
- B. value

MULTIPLE CHOICE

5. In the tag below, what is the property-value pair?

Hello World!

Choose the correct answer:

- A. h1 style
- B. color:green
- C. Hello World!
- D. h1

MULTIPLE CHOICE

6. True or False: This code will show orange text.

Hello World!

Choose the correct answer:

- A. True
- B. False

7. What should you write inside the quotations to create a property-value pair for text color?

MULTIPLE CHOICE

Choose the correct answer:

- A. color, green
- B. color=green
- C. color; green
- D. color:green

8. Edit the text box below to debug (fix) the code:

DEBUG CODE

Code to Debug:

```
1 <h1 style="color:blue;">Good Morning<h1>
```

9. Edit the text box below to debug (fix) the code:

DEBUG CODE

Code to Debug:

```
1 <h1 style=color:red;>Astronomy</h1>
```

10. Debug the following code:

DEBUG CODE

Code to Debug:

```
1 <h1 style="color:gold;">Pizza</h2>
```

Challenges (8)

1. 'Mixing' Paints

When you start creating a website, you'll want to pick a set of colors to use across your website. Skill Struck uses the set of white, black, and blue!

It's important to know how to mix colors to get new ones.

Using heading tags, code an equation to represent mixing yellow with red to make orange.

(ex: `yellow` (tag styled yellow) `+` `red` (tag styled red) `=` `orange` (tag styled orange))

Make at least **5** tags and style 3 of the tags with the texts **yellow**, **red**, and **orange** styled with their corresponding colors. The other 2 tags will have the symbols. Make sure your plus and equals symbols remain **black**!

Example Output:

Yellow

+

Red

=

Orange

Requirements:

- Heading tag with `Yellow` as text and its color set to yellow.
- `+` as text and its color set to black
- Heading tag with `Red` as text and its color set to red.
- `=` as text and its color set to black
- Heading tag with `Orange` as text and its color set to orange.

2. Color Palette

Before painting, make sure to pick out your favorite colors.

Using heading tags, write out your **five** favorite colors.

Style each text with its correct color.

Example Output:

Navy

Aqua

Red

Gold

Silver

Requirements:

- 5 tags with your 5 favorite colors

3. Superhero Theme

Create **5** heading tags that have color style elements included in it.

Your heading tags should describe a super hero (you can make your own up!) in the following ways:

Name:

Power:

Friend / Sidekick:

From:

Rival / Enemy:

Example Output:

Name: Captain America

Power: Strength

Friend/Sidekick: Winter Soldier

From: Brooklyn, NY

Rival/Enemy:Loki

Requirements:

- 5 heading tags with color style elements
- Include the superhero's name `Name:`
- Include their superpower `Power:`
- Include their friends or sidekicks `Friend / Sidekick:`
- Include where they're from `From:`
- Include who their rival or enemy is `Rival / Enemy:`

4. Rainbow Tags

Create a rainbow with heading tags!

Create **six** heading tags, starting with an `<h1>` all the way to `<h6>`. Style the `<h1>` tag so the text is **red**. Style the `<h2>` tag so the text is **orange**.

Continue on with **yellow**, **green**, **blue**, and **purple** and so on.

Example Output:

Red

Orange

Yellow

Green

Blue

Purple

Requirements:

- Create six heading tags, starting with an `<h1>` all the way to `<h6>`. Style them with color.

5. Halloween Facts

Color the Halloween facts. Add some colors that fit with the holiday. Separate the following facts into **6** different heading tags. Make sure to add your **orange**, **black** and **purple** colors to the text!

First heading is `Halloween is a celebration. It takes place on October 31.`

Second heading is `Halloween began as a harvest festival. It marked the start of winter.`

Third heading is `It started in Europe. Then it came to the US.`

Fourth heading is `People dress up in costumes. Some are cute, and some are scary.`

Fifth heading is `Kids love to trick or treat.`

Sixth heading is `Many people carve pumpkins into Jack-O-Lanterns.`

Example Output:

Halloween is a celebration. It takes place on October 31.

Halloween began as a harvest festival. It marked the start of winter.

It started in Europe. Then it came to the US.

People dress up in costumes. Some are cute, and some are scary.

Requirements:

- Style 2 heading tags with orange text.
- Style 2 heading tags with black text.
- Style 2 heading tags with purple text.

6. Color Blend

Using the colors described in the lesson, create a smooth color spectrum from lime to purple to fuchsia.

Include at least **8** heading tags with different colors.

See how smooth you can get the transition!

Try the following colors, or find some of your own!

lime, navy, aqua, teal, olive, purple, green, etc

Example Output:

Hello

Hello

Hello

Hello

Hello

Requirements:

- Create at least 8 heading tags with different colors.

7. Color Pattern

Create a pattern with colors in heading tags!

Make sure your pattern is at least **12 heading tags** long and contains heading tags styled with the colors **red** and **blue**.

Example Output:

Hello

Hello

Hello

Hello

Hello

Requirements:

- Red Color
- Blue Color

8. Colorful Quotes

Make header tags for **TWO** of the following quotes. Pick your favorite two. Align the words with certain colors that fit.

Make sure you use at least **18 heading tags** for this assignment. (You'll need to separate the same quotes into separate tags to be able to style individual words).

"Autumn seemed to arrive suddenly that year. The morning of the first September was crisp and golden as an apple." -- JK Rowling

"Soon it got dusk, a grapy dusk, a purple dusk over tangerine groves and long melon fields; the sun the color of pressed grapes, slashed with burgandy red, the fields the color of love and Spanish mysteries." --Jack Kerouac

"Music gives color to the air of the moment." --Karl Lagerfeld

"It felt as though the whole globe was dressed in snow. Like it has pulled it on, the way you pull on a sweater. Next to the train line, footprints were sunken to their shins. Trees wore blankets of ice." --Markus Zusak

Example Output:

Soon it got dusk

a grapy dusk

a purple dusk

over tangerine groves

and long melon fields;

Requirements:

- Create 18 heading tags with color styling.

Games (5)

1. Text Color Matching

Match the terms with an example.

Full Screen

Audio

Instructions

Answer Key

Pause

Clear All

Check Matches

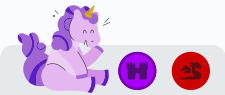
Attempts: 0

Property

Value

orange

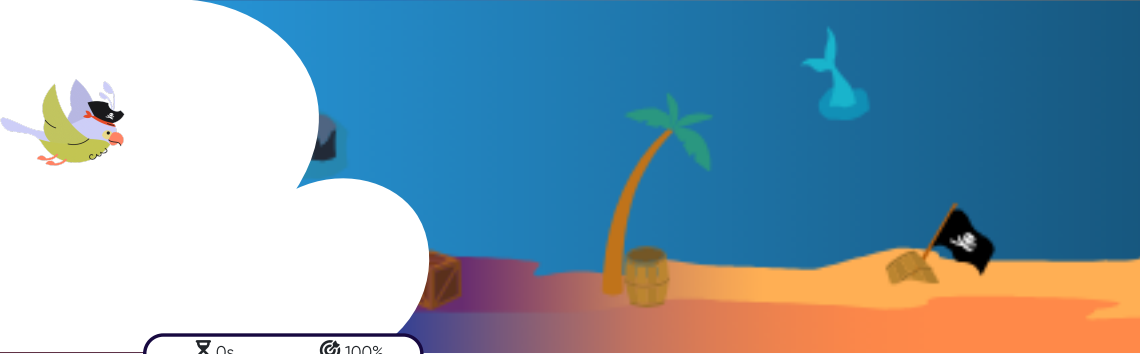

color



2. Text Color Typing

Practice your typing skills with coding keys! Type in the following code.

Full Screen Audio Instructions Restart Pause



⌚ 0s 🎯 100%

```
<h1 style="color: green;">
```

3. Text Color Ordering

Put the code bits in order to create an orange header.

Full Screen

Audio

Instructions

Answer Key

Pause

Clear All

Check Matches

Attempts: 0

UFO icon

"color: orange;"

UFO icon

<h1

UFO icon

</h1>

UFO icon

>

UFO icon

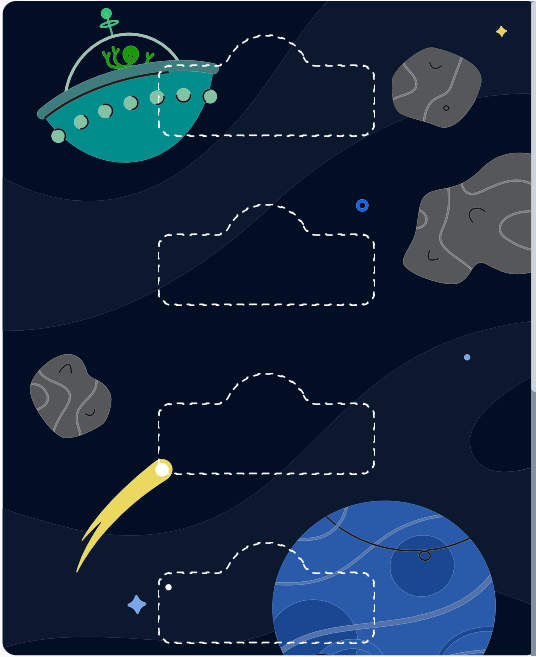
style=

UFO icon

Pumpkin Pie

UFO icon

Fish icon



4. Text Colors Matching

Match the color with its name! Note: This game is designed to explore some random, unique colors. Most people won't know these colors off the top of their head. If the color seems unfamiliar, open an HTML document and play around with the colors.

Full Screen

Audio

Instructions

Answer Key

Pause

Clear All

Check Matches

Attempts: 0

Crimson

Chartreuse

Aquamarine






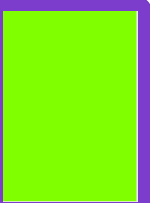


Coral




Cyan

CornflowerBlue

DarkOrchid

DeepPink





5. Text Color Ordering 3

Put the pieces of code in the right order.

Full Screen

Audio

Instructions

Answer Key

Pause

Clear All

Check Matches

Attempts: 0

UFO icon

"color: fuschia;"

UFO icon

<h3

UFO icon

style=

UFO icon

</h3>

UFO icon

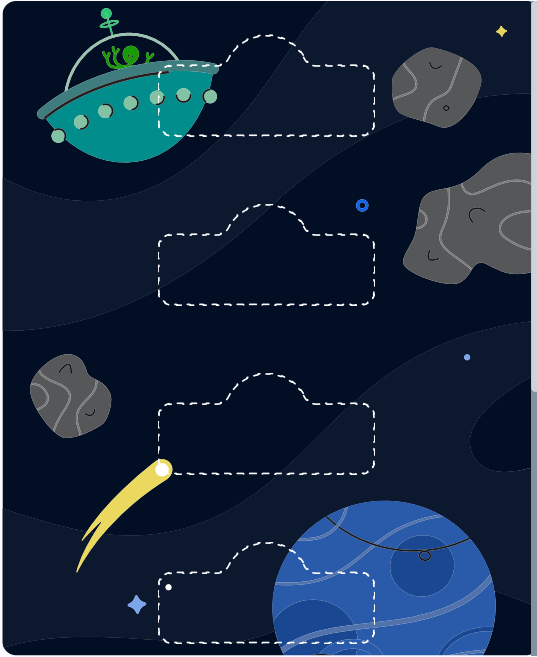
>

UFO icon

Starfish

UFO icon

Fish icon



Answer Keys & Solutions

Checkpoint Solutions

Text Colors

```
1 <h1 style="color: blue">Good Morning!</h1>
2 <h2 style="color: yellow"> It's a good day! </h2>
3 <h3 style="color: orange">Let's learn something new.</h3>
```

Questions

1. What do you need to add to an HTML tag to customize the appearance of the content of your site?

MULTIPLE CHOICE

Correct Answer:

- | | |
|--------------|-------------|
| A. Attribute | ✓ Correct |
| B. Semicolon | ✗ Incorrect |
| C. Keyword | ✗ Incorrect |
| D. Color | ✗ Incorrect |

Explanation:

Remember that these can affect the font, color, size, and background of a tag.

2. Edit the text box below to debug (fix) the code:

DEBUG CODE

Incorrect Code:

```
1 <h1 style="color=blue;"></h1>
```

Correct Solution:

```
1 <h1 style="color:blue;"></h1>
```

Explanation:

Are all the equals signs and colons in the right places?

3. Is "Orange" an example of a property or a value?

MULTIPLE CHOICE

Correct Answer:

A. value

✓ Correct

B. property

✗ Incorrect

Explanation:

Examples of properties: color, font, size Examples of values: red, arial, 10px

4. Is "Color" an example of a property or a value?

MULTIPLE CHOICE

Correct Answer:

A. property

✓ Correct

B. value

✗ Incorrect

Explanation:

Examples of properties: font, size, background-color Examples of values: arial, 10px, red

5. In the tag below, what is the property-value pair?

MULTIPLE CHOICE

Correct Answer:

A. h1 style

✗ Incorrect

B. color:green

✓ Correct

C. Hello World!

✗ Incorrect

D. h1

✗ Incorrect

Explanation:

Which choice has a pairing?

6. True or False: This code will show orange text.

Correct Answer:

A. True

✗ Incorrect

B. False

✓ Correct

Explanation:

It's useful in later lessons.

7. What should you write inside the quotations to create a property-value pair for text color?

MULTIPLE CHOICE

Correct Answer:

A. color, green

✗ Incorrect

B. color=green

✗ Incorrect

C. color; green

✗ Incorrect

D. color:green

✓ Correct

Explanation:

You use a colon

8. Edit the text box below to debug (fix) the code:

DEBUG CODE

Incorrect Code:

```
1 <h1 style="color:blue;">Good Morning<h1>
```

Correct Solution:

```
1 <h1 style="color:blue;">Good Morning</h1>
```

Explanation:

Don't forget the forward slash in the closing tag!

9. Edit the text box below to debug (fix) the code:

DEBUG CODE

Incorrect Code:

```
1 <h1 style=color:red;>Astronomy</h1>
```

Correct Solution:

```
1 <h1 style="color:red;">Astronomy</h1>
```

Explanation:

It is missing quotation marks

10. Debug the following code:

DEBUG CODE

Incorrect Code:

```
1 <h1 style="color:gold;">Pizza</h2>
```

Correct Solution:

```
1 <h1 style="color:gold;">Pizza</h1>
```

Explanation:

Make sure the tag number matches

Challenges

1. 'Mixing' Paints

Solution:

```
1 <h1 style="color:yellow">Yellow</h1>
2 <h1 style="color:black">+</h1>
3 <h1 style="color:red">Red</h1>
4 <h1 style="color:black">=</h1>
5 <h1 style="color:orange">Orange</h1>
```

2. Color Palette

Solution:

```
1 <h1 style="color:navy;">Navy</h1>
2 <h1 style="color:aqua;">Aqua</h1>
3 <h1 style="color:red;">Red</h1>
4 <h1 style="color:gold;">Gold</h1>
5 <h1 style="color:silver;">Silver</h1>
```

3. Superhero Theme

Solution:

```
1 <h1 style="color:blue">Name: Captain America</h1>
2 <h1 style="color:red">Power: Strength </h1>
3 <h1 style="color:yellow">Friend/Sidekick: Winter Soldier</h1>
4 <h1 style="color:blue">From: Brooklyn, NY</h1>
5 <h1 style="color:red">Rival/Enemy:Loki</h1>
```

4. Rainbow Tags

Solution:

```
1 <h1 style="color:red">Red</h1>
2 <h2 style="color:orange">Orange</h2>
3 <h3 style="color:yellow">Yellow</h3>
4 <h4 style="color:green">Green</h4>
5 <h5 style="color:blue">Blue</h5>
6 <h6 style="color:purple">Purple</h6>
```

5. Halloween Facts

Solution:

```
1 <h1 style="color:orange">Halloween is a celebration. It takes place on October 31.
  </h1>
2 <h1 style="color:black">Halloween began as a harvest festival. It marked the start of
  winter. Then it came to the US.</h1>
3 <h1 style="color:purple">It started in Europe. Then it came to the US.</h1>
4 <h1 style="color:purple">People dress up in costumes. Some are cute and some are
  scary</h1>
5 <h1 style="color:black">Kids love to trick or treat</h1>
6 <h1 style="color:orange">Many people carve pumpkins into jack-o-lanterns</h1>
```

6. Color Blend

Solution:

```
1 <h1 style="color:lime">Hello</h1>
2 <h1 style="color:olive">Hello</h1>
3 <h1 style="color:green">Hello</h1>
4 <h1 style="color:teal">Hello</h1>
5 <h1 style="color:aqua">Hello</h1>
```

```
6 <h1 style="color:blue">Hello</h1>
7 <h1 style="color:navy">Hello</h1>
8 <h1 style="color:purple">Hello</h1>
9 <h1 style="color:fuchsia">Hello</h1>
```

7. Color Pattern

Solution:

```
1 <h1 style="color:red">Hello</h1>
2 <h1 style="color:purple">Hello</h1>
3 <h1 style="color:blue">Hello</h1>
4 <h1 style="color:red">Hello</h1>
5 <h1 style="color:purple">Hello</h1>
6 <h1 style="color:blue">Hello</h1>
7 <h1 style="color:red">Hello</h1>
8 <h1 style="color:purple">Hello</h1>
9 <h1 style="color:blue">Hello</h1>
10 <h1 style="color:red">Hello</h1>
11 <h1 style="color:purple">Hello</h1>
12 <h1 style="color:blue">Hello</h1>
```

8. Colorful Quotes

Solution:

```
1 <h1 style="color:navy">Soon it got dusk</h1>
2 <h1 style="color:purple">a grapy dusk</h1>
3 <h1 style="color:indigo">a purple dusk</h1>
4 <h1 style="color:orange">over tangerine groves</h1>
5 <h1 style="color:coral">and long melon fields;</h1>
6 <h1 style="color:indigo">the sun the color of pressed grapes,</h1>
7 <h1 style="color:maroon">slashed with burgundy red</h1>
8 <h1 style="color:pink">the fields the color of love</h1>
9 <h1 style="color:teal">and Spanish mysteries</h1>
10 <h1>--Jack Kerouac</h1>
11
12 <h1 style="color:orange">Autumn</h1>
13 <h1>seemed to arrive</h1>
14 <h1 style="color:lime">suddenly</h1>
15 <h1>that year.</h1>
16 <h1 style="color:blue">The morning of the first September</h1>
17 <h1 style="color:turquoise">Was crisp</h1>
18 <h1 style="color:gold">and golden</h1>
19 <h1 style="color:red">as an apple</h1>
20
21 <h1>--JK Rowling</h1>
```

1. Text Color Matching

Matching Game Solutions:

1. →
2. →

Students must drag items from the left to match with corresponding items on the right.

2. Text Color Typing

Typing game - no answer key needed. Students practice typing the provided content.

3. Text Color Ordering

Correct Order:

1. <h1
2. style=
3. "color: orange;"
4. >
5. Pumpkin Pie
6. </h1>






Scoring:


- Gold: 1 attempts or fewer
- Silver: 3 attempts or fewer
- Bronze: 5 attempts or fewer

Students must arrange items in the correct sequence.


4. Text Colors Matching

Matching Game Solutions:

1. →  Screen Shot 2020-03-24 at 11.21.33 AM.png
2. →  Screen Shot 2020-03-24 at 11.21.54 AM.png
3. →  Screen Shot 2020-03-24 at 11.20.14 AM.png
4. →  Screen Shot 2020-03-24 at 11.21.13 AM.png
5. →  Screen Shot 2020-03-24 at 11.22.11 AM.png

6. →  Screen Shot 2020-03-24 at 11.23.23 AM.png

7. →  Screen Shot 2020-03-24 at 11.23.32 AM.png

8. →  Screen Shot 2020-03-24 at 11.23.42 AM.png

Students must drag items from the left to match with corresponding items on the right.

5. Text Color Ordering 3

Correct Order:

1. <h3
2. style=
3. "color: fuschia;";
4. >
5. Starfish
6. </h3>

Scoring:

- Gold: 1 attempts or fewer
- Silver: 3 attempts or fewer
- Bronze: 5 attempts or fewer

Students must arrange items in the correct sequence.