

Background Color

Textbook

Background Color

[Background colors](#) can enhance the look and feel of your webpage. You can use background colors to add a personal touch or to add emphasis to elements on the page.



Background-color property

To change the background color of an HTML tag you use the style attribute just like you did with the other styling properties we learned about in previous sections. To change an element's background color, use the background-color property, and pair it with a value.

Background-color example

Any element, like the h1 tag shown below, can be styled.

```
1 <h1 style="background-color:blue">Coding rocks</h1>
```

Try it!

Background colors can be assigned to the entire webpage by styling the body tag:

```
1 <body style="background-color:blue">
2 I am blue!
3 </body>
```

Try it!

Inheritance

Before continuing, let's discuss how styles and other attributes are inherited. Inheritance refers to the idea that HTML styles are determined by the tag closest to it.

If a tag doesn't have a style element, it may inherit styling from a parent tag's style attribute. Font-family and font-size are examples of styling properties that are inherited by children from styled parents.

Inheritance example

```
1 <body style="background-color:red;">
2   <h1 style="background-color:blue;">Hello world!</h1>
3 </body>
4
5
```

Try it!

Note that changing the body's (parent) background-color to blue and changing the h1's (child) background-color to red would make the two elements have different BG colors. This is because background-color is not automatically inherited or passed from parent to child.



However, font-family and color are examples of styling properties that *are* inherited by default unless changed on the child element.

```
1 <body style="font-family:Arial">
2   <h1 style="font-family:Times New Roman">Look! My font is NOT inherited!</h1>
3   <h2>Look! My font is inherited!</h2>
4 </body>
5
```

Try it!

List of Styles Inherited by Default:

- border-collapse, border-spacing, caption-side, color, cursor, direction, empty-cells, font-family, font-size, font-style, font-variant, font-size-adjust, font-weight, font-stretch, font, letter-spacing, line-height, list-style-image, list-style-position, list-style-type, list-style, orphans, quotes, tab-size, text-align, text-align-left, text-decoration-color, text-indent, text-justify, text-shadow, text-transform, visibility, white-space, widows, word-break, word-spacing, word-wrap

While the previous list contains almost every style inherited by default from parent elements, some tags (like heading tags) are affected by styles the **browser sets**.

Heading tags are a good example. `<h1>` is automatically a different size than `<h2>` or `<h3>`. This is because your browser has a default font-size assigned to all h1 elements, so the h1 tag on your page will not inherit font-size from body, even if you assigned a font-size style to body.

BACKGROUND COLOR

HTML



Skill
Struck™

▶ 0:00 / 1:19

🔊 🗄️ ⋮

Checkpoint

Background Color (Start coding)

Add background colors to at least three child elements nested inside body.

Checkpoint

Background Color

Add **background colors** to at least three child elements nested inside body.

Example Output

Hello!

Let's learn to code!

It's a great day for a challenge.

Requirements:

- Three elements with "background-color" within the body.

Questions (10)

1. If I wanted to make the background of my entire website blue, which tag would I put the styling into?

MULTIPLE CHOICE

Choose the correct answer:

- A. <head>
- B. <title>
- C. <h1>
- D. <body>

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

DEBUG CODE

Code to Debug:

```
1 <body style="background-color: blue></body>
```

3. The concept that a child element will have the same styling as its parent is called:

MULTIPLE CHOICE

Choose the correct answer:

- A. inheritance
- B. property
- C. value
- D. indentation

4. Background color is an example of a what?

MULTIPLE CHOICE

Choose the correct answer:

- A. property
- B. value
- C. tag
- D. declaration

5. Which of the following is a correct example of using the "background-color" property to style an element?

MULTIPLE CHOICE

Choose the correct answer:

- A. `<h1 style="background-color:red;">Hello</h1>`
- B. `<h1 class="blue-background">Hello</h1>`
- C. `<h1 background="green">Hello</h1>`
- D. `<h1>Hello</h1>`

6. If the `<body>` tag has a background color of blue and the `<h1>` tag has a background color of red, what will be the result?

MULTIPLE CHOICE

Choose the correct answer:

- A. Both elements will have a blue background.
- B. Both elements will have a red background.
- C. The `<body>` tag will have a blue background, and the `<h1>` tag will have a red background color.
- D. The `<body>` tag will have a red background, but the `<h1>` tag will not have a background color.

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

DEBUG CODE

Code to Debug:

```
1 <body style="background-color; blue"></body>
```

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

DEBUG CODE

Code to Debug:

```
1 <h2 color="background-color: blue"></h2>
```

9. True or False: Background color is a property that is automatically inherited.

MULTIPLE CHOICE

Choose the correct answer:

- A. True
- B. False

10. True or False: You can put background color on a heading tag

MULTIPLE CHOICE

Choose the correct answer:

- A. True
- B. False

Challenges (7)

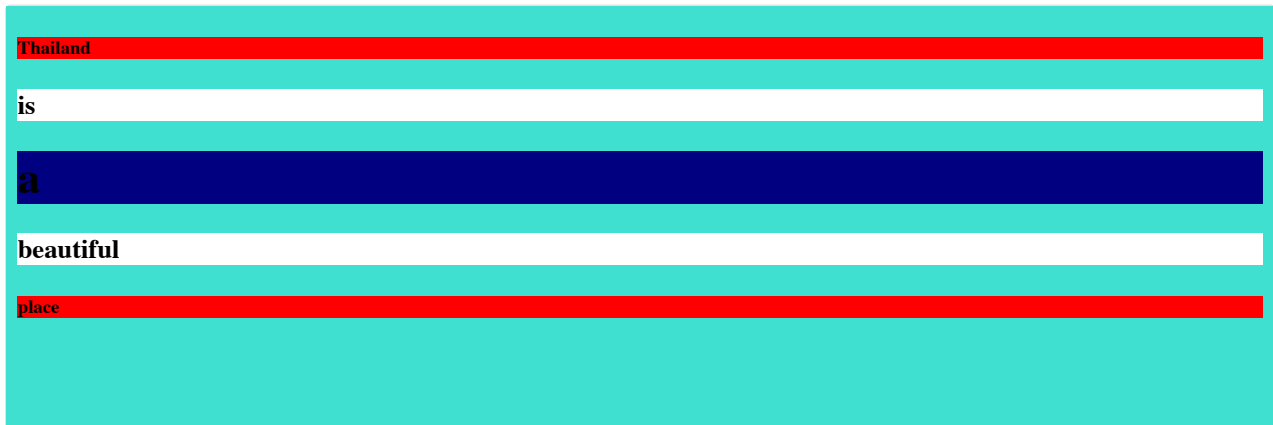
1. Thai Flag

Create the Thailand flag! Make the background color `turquoise` on the body tag.

Use **5** heading tags. You will need **one h1 tag, two h3 tags, and two h5 tags**. Use the colors `navy`, `white`, and `red`.

Decide what order the tags should go in to duplicate the Thailand flag.

Example Output:



Requirements:

- Body tag background color of `turquoise`.
- 5 heading tags in the correct order.

2. American Flag

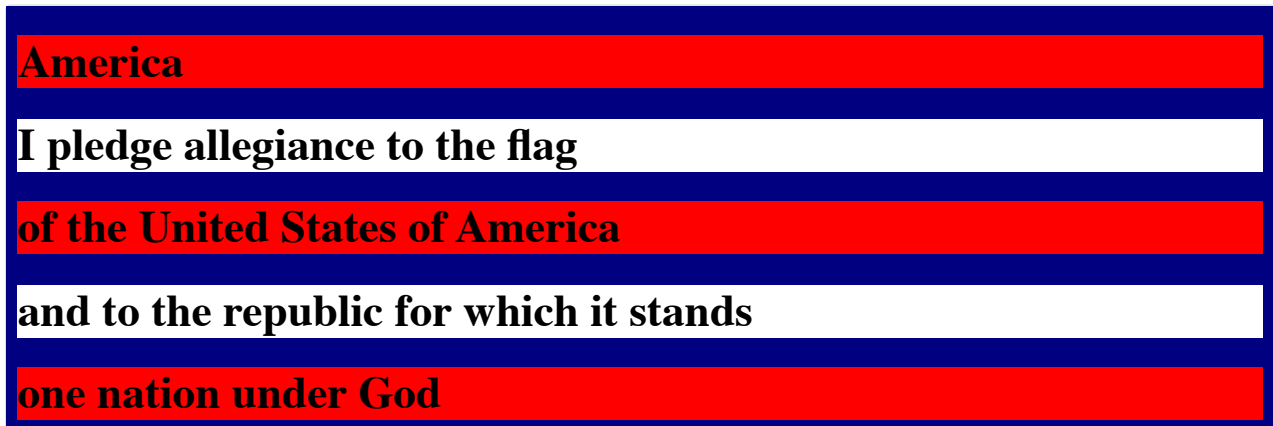
Using background colors, create a patriotic website of the Pledge of Allegiance. When it's done, it will resemble the American flag.

The **background** of website should be `navy` .

Use at least **7 heading tags** of any size. Inside the header tags, write out the Pledge of Allegiance.

Starting with red, alternate the background color of the heading tags between `red` and `white` .

Example Output:



Requirements:

- The background color on the body is navy.
- 7 heading tags with red and white backgrounds.

3. Greek Flag

Create the background for the flag of Greece.

Don't worry about the cross--we will just make the blue and white horizontal stripes.

Make sure the background color on the `<body>` tag is something other than white.

Use **9 heading tag** to create the background of the flag, starting with `background-color: blue` .

Example Output:



Requirements:

- Body tag has a background color.
- Style 9 heading tag to look like the Greek flag.

4. Sunset on the Beach

Create a new file with all appropriate structure tags (`doctype` , `html` , `head` , `body`).

Create **7 different tags**, styling them with **background colors** to create a sunset on a beach.

In the tags, write why you like going to the beach. Use the background colors `darkblue` , `purple` , `red` , `orange` , `yellow` , `skyblue` , and `tan` to create the sunset and beach (skyblue for water and tan for sand).

Example Output:

I like surfing at the beach

I like making sand castles

I like boogie boarding

Getting tan is fun too

I also like playing beach volleyball

Requirements:

- 7 heading tags with background colors darkblue, purple, red, orange, yellow, skyblue, and tan in that order.
- HTML Structure.
- HTML Structure with only one Doctype Tag. (just an opening)
- HTML Structure with only one complete html tag. (opening and closing)
- HTML Structure with only one complete body tag. (opening and closing)

5. Rainbow Hobbies

Create a new file with all appropriate structure and header tags (`doctype` , `html` , `head` , `body`).

Create a different tag with each color of the rainbow (`red` , `orange` , `yellow` , `green` , `blue` , `indigo` , `violet`) as the background color and write a hobby you have in each tag.

Also, style the tags so the color of the **text is white**.

Example Output:

I like playing volleyball

I'm good at building things

I like playing basketball

I like to create art

I love hangin with friends

Requirements:

- 7 tags with background colors red, orange, yellow, green, blue, indigo, violet. Include color: white on each tag.
- HTML Structure.
- HTML Structure with only one Doctype Tag. (just an opening)
- HTML Structure with only one complete html tag. (opening and closing)
- HTML Structure with only one complete body tag. (opening and closing)

6. The Background Blend

Find the order that blends the color smoothly from white to black. Start with white at the top.

Style the background color something other than white, grey or black.

Use the following colors in heading tags to create your blend: **whitesmoke**, **silver**, **lightgrey**, **gainsboro**, **gray**, **ghostwhite**, **white**, **black**, **dimgrey**, **darkgrey**.

Example Output:

A

B

C

D

E

F

G

Requirements:

- Body tag has a background color other than black, white, or a shade of grey.
- 10 heading tags with background colors that blend from white to black. Start with white at the top.

7. Calendar Background Colors

Create a color coordinated calendar!

Create **12 heading tags** and name the months of the year inside them.

For each month, choose a **background color** that coordinates well with that month.

Example Output:



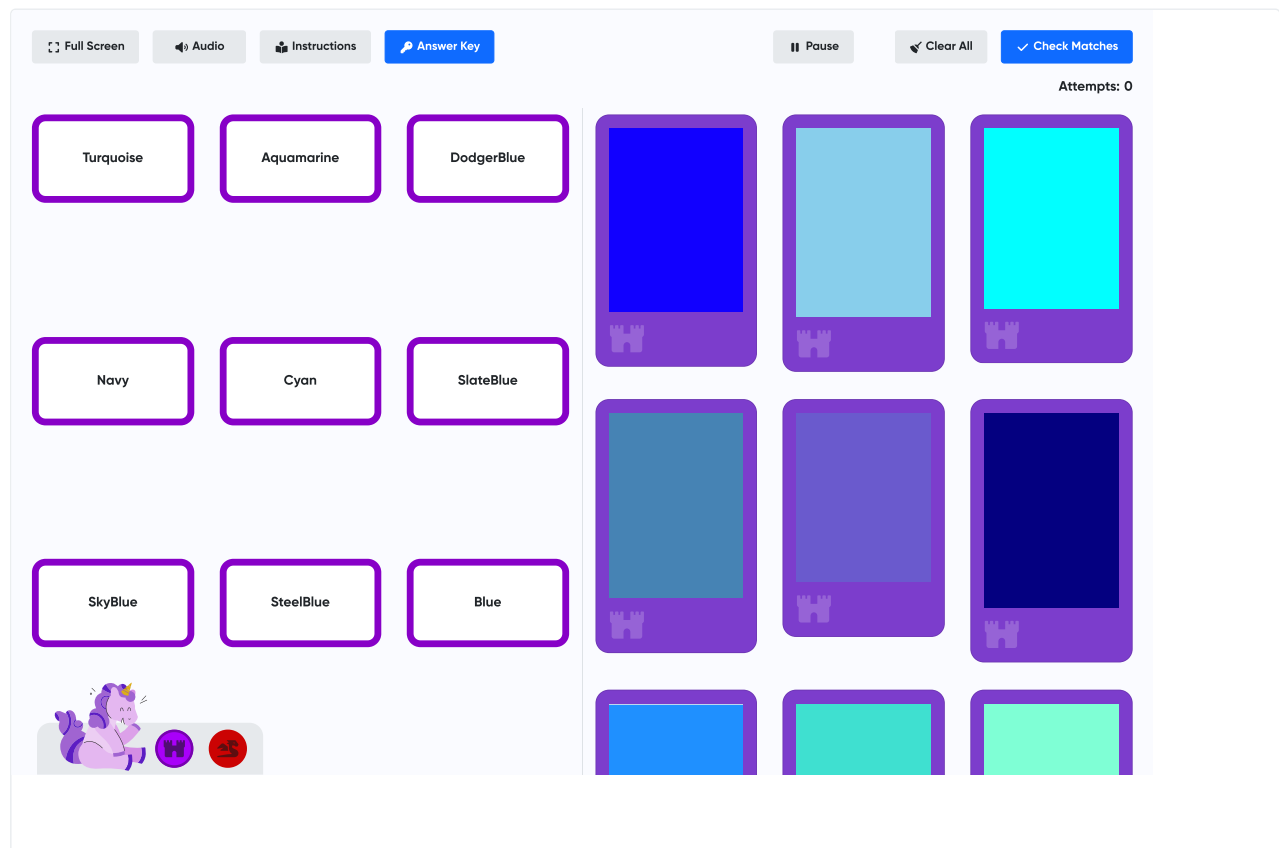
Requirements:

- 12 heading tags with background colors.
- Heading tag for each month of the year.

Games (3)

1. Background Color Matching Blues

Match the names with their color.



2. Background Color Ordering

Put the bits of code into the correct order to give the body tag a background color of yellow.

Full Screen

Audio

Instructions

Answer Key

Pause

Clear All

Check Matches

Attempts: 0

:



yellow

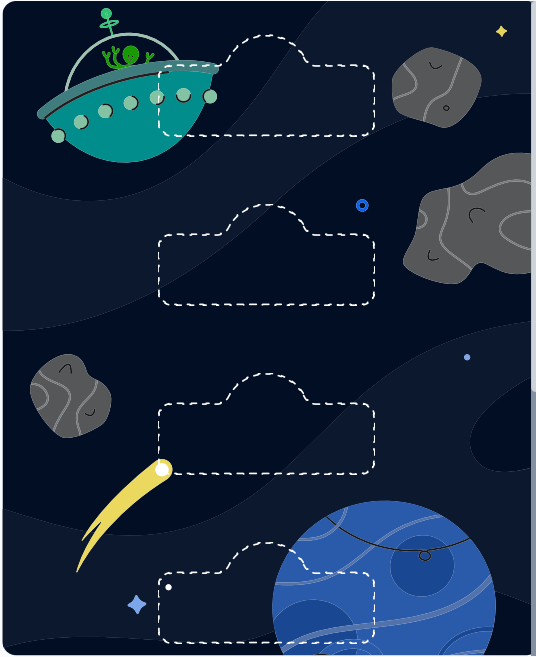
background-color

style="

<body

>





3. Background Color Typing

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


Full Screen

Audio

Instructions

Restart

Pause



0s100%

<h6 style="background-c

Answer Keys & Solutions

Checkpoint Solutions

Background Color

```
1 <body>
2   <h1 style="background-color: blue; color: white">Hello!</h1>
3 <h2 style="background-color: red; color: white"> Let's learn to code! </h2>
4 <h3 style="background-color: orange">It's a great day for a challenge.</h3>
5 </body>
```

Questions

1. If I wanted to make the background of my entire website blue, which tag would I put the styling into?

MULTIPLE CHOICE

Correct Answer:

- | | |
|------------|-------------|
| A. <head> | ✗ Incorrect |
| B. <title> | ✗ Incorrect |
| C. <h1> | ✗ Incorrect |
| D. <body> | ✓ Correct |

Explanation:

The body tag styles everything on your website.

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

DEBUG CODE

Incorrect Code:

```
1 <body style="background-color: blue"></body>
```

Correct Solution:

1 `<body style="background-color: blue"></body>`

Explanation:

Do all the quotation marks have an opening and closing mark?

3. The concept that a child element will have the same styling as its parent is called:

MULTIPLE CHOICE

Correct Answer:

- | | |
|----------------|-------------|
| A. inheritance | ✓ Correct |
| B. property | ✗ Incorrect |
| C. value | ✗ Incorrect |
| D. indentation | ✗ Incorrect |

Explanation:

This is when a child tag is blue because its parent tag is.

4. Background color is an example of a what?

MULTIPLE CHOICE

Correct Answer:

- | | |
|----------------|-------------|
| A. property | ✓ Correct |
| B. value | ✗ Incorrect |
| C. tag | ✗ Incorrect |
| D. declaration | ✗ Incorrect |

Explanation:

Other elements in this category are color, font-family, text-align

5. Which of the following is a correct example of using the "background-color" property to style an element?

MULTIPLE CHOICE

Correct Answer:

A. `<h1 style="background-color:red;">Hello</h1>`

✓ Correct

B. `<h1 class="blue-background">Hello</h1>`

✗ Incorrect

C. `<h1 background="green">Hello</h1>`

✗ Incorrect

D. `<h1>Hello</h1>`

✗ Incorrect

Explanation:

Check to see if the property value pair is typed in correctly.

6. If the `<body>` tag has a background color of blue and the `<h1>` tag has a background color of red, what will be the result?

MULTIPLE CHOICE

Correct Answer:

A. Both elements will have a blue background.

✗ Incorrect

B. Both elements will have a red background.

✗ Incorrect

C. The `<body>` tag will have a blue background, and the `<h1>` tag will have a red background color.

✓ Correct

D. The `<body>` tag will have a red background, but the `<h1>` tag will not have a background color.

✗ Incorrect

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

DEBUG CODE

Incorrect Code:

```
1 <body style="background-color; blue"></body>
```

Correct Solution:

```
1 <body style="background-color: blue"></body>
```

Explanation:

The semicolon needs to be something else.

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

DEBUG CODE

Incorrect Code:

```
1 <h2 color="background-color: blue"></h2>
```

Correct Solution:

```
1 <h2 style="background-color: blue"></h2>
```

Explanation:

The word color needs to be something else.

9. True or False: Background color is a property that is automatically inherited.

MULTIPLE CHOICE

Correct Answer:

A. True

✓ Correct

B. False

✗ Incorrect

Explanation:

If you want a child element to share the same background color as its parent, set the background color on the child element.

10. True or False: You can put background color on a heading tag

MULTIPLE CHOICE

Correct Answer:

A. True

✓ Correct

B. False

✗ Incorrect

Explanation:

Headers can be styled with background colors.

Challenges

1. Thai Flag

Solution:

```
1 <body style="background-color: turquoise">
2   <h5 style="background-color: red">Thailand</h5>
3   <h3 style="background-color: white">is</h3>
```



```
4     <h1 style="background-color: navy">a</h1>
5     <h3 style="background-color: white">beautiful</h3>
6     <h5 style="background-color: red">place</h5>
7
8 </body>
```

2. American Flag

Solution:

```
1 <body style="background-color:navy">
2     <h1 style="background-color: red">America</h1>
3     <h1 style="background-color: white">I pledge allegiance to the flag</h1>
4     <h1 style="background-color: red">of the United States of America</h1>
5     <h1 style="background-color: white">and to the republic for which it stands</h1>
6     <h1 style="background-color: red">one nation under God</h1>
7     <h1 style="background-color: white">indivisible</h1>
8     <h1 style="background-color: red">with liberty and justice for all</h1>
9 </body>
```

3. Greek Flag

Solution:

```
1 <body style="background-color: turquoise">
2
3     <h4 style="background-color: blue">G</h4>
4     <h4 style="background-color: white">R</h4>
5     <h4 style="background-color: blue">E</h4>
6     <h4 style="background-color: white">E</h4>
7     <h4 style="background-color: blue">K</h4>
8     <h4 style="background-color: white">F</h4>
9     <h4 style="background-color: blue">L</h4>
10    <h4 style="background-color: white">A</h4>
11    <h4 style="background-color: blue">G</h4>
12
13 </body>
```

4. Sunset on the Beach

Solution:

```
1 <!DOCTYPE html>
2 <html>
3     <head>
4
```

```

5 </head>
6
7 <body>
8
9   <h1 style="background-color: darkblue"> I like surfing at the beach </h1>
10  <h1 style="background-color: purple"> I like making sand castles</h1>
11  <h1 style="background-color: red"> I like boogie boarding </h1>
12  <h1 style="background-color: orange"> Getting tan is fun too </h1>
13  <h1 style="background-color: yellow"> I also like playing beach volleyball </h1>
14    <h1 style="background-color: skyblue"> Swimming in the water </h1>
15  <h1 style="background-color: tan"> Going body surfing </h1>
16
17
18
19 </body>
20 </html>

```

5. Rainbow Hobbies

Solution:

```

1 <!DOCTYPE html>
2 <html>
3   <head>
4   </head>
5
6   <body>
7
8     <h1 style="background-color: red; color: white"> I like playing volleyball </h1>
9     <h1 style="background-color: orange; color: white"> I'm good at building
10    things</h1>
11    <h1 style="background-color: yellow; color: white"> I like playing basketball</h1>
12    <h1 style="background-color: green; color: white"> I like to create art </h1>
13    <h1 style="background-color: blue; color: white"> I love hangin with friends</h1>
14      <h1 style="background-color: indigo; color: white"> I like to learn new
15      things</h1>
16    <h1 style="background-color: violet; color: white"> Going body surfing </h1>
17
18  </body>

```

6. The Background Blend

Solution:

```

1 <body style="background-color: turquoise">
2
3     <h4 style="background-color: white">A</h4>
4     <h4 style="background-color: ghostwhite">B</h4>
5     <h4 style="background-color: whitesmoke">C</h4>
6     <h4 style="background-color: gainsboro">D</h4>
7     <h4 style="background-color: lightgrey">E</h4>
8     <h4 style="background-color: silver">F</h4>
9     <h4 style="background-color: darkgrey">G</h4>
10    <h4 style="background-color: grey">H</h4>
11    <h4 style="background-color: dimgrey">I</h4>
12    <h4 style="background-color: black">J</h4>
13
14 </body>

```

7. Calendar Background Colors

Solution:

```


1 <h4 style="background-color: lightblue">January</h4>
2 <h4 style="background-color: pink">February</h4>
3 <h4 style="background-color: lightgreen">March</h4>
4 <h4 style="background-color: lavender">April</h4>
5 <h4 style="background-color: turquoise">May</h4>
6 <h4 style="background-color: yellow">June</h4>
7 <h4 style="background-color: red">July</h4>
8 <h4 style="background-color: sienna">August</h4>
9 <h4 style="background-color: navy">September</h4>
10 <h4 style="background-color: orange">October</h4>
11 <h4 style="background-color: brown">November</h4>
12 <h4 style="background-color: forestgreen">December</h4>

```

Games

1. Background Color Matching Blues

Matching Game Solutions:

1. →  Screen Shot 2020-03-24 at 11.27.00 AM.png

2. →  Screen Shot 2020-03-24 at 11.20.14 AM.png

3. →  Screen Shot 2020-03-24 at 11.24.00 AM.png


4. →  Screen Shot 2020-03-24 at 11.25.17 AM.png

5. →  Screen Shot 2020-03-24 at 11.22.11 AM.png

6. →  Screen Shot 2020-04-03 at 1.53.06 PM.png

7. →  Screen Shot 2020-03-24 at 11.25.55 AM.png

8. →  Screen Shot 2020-04-06 at 11.47.48 AM.png

9. →  Screen Shot 2020-04-06 at 11.49.39 AM.png

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

2. Background Color Ordering

Correct Order:

1. <body
2. style="
3. background-color
4. :
5. yellow
6. ">

Scoring:

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

Students must arrange items in the correct sequence.

3. Background Color Typing

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