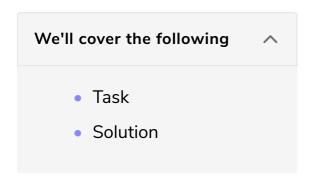# Solution Review: Color Wheel

In the following lesson, we will go over the solution of the challenge: Color Wheel.

## Task #

In this challenge, you were provided a primary color and you had to match it to its complementary secondary color.

## Solution #

Let's go over the solution step-by-step.

- The first thing you had to figure out is that this problem requires a `match` expression.

- Next, you had to figure out the number of cases the `match` expression would require to cover all the possible scenarios. We had one case for each primary color along with a default case if the input was anything but a primary color.

```
case "blue" => print("orange")
case "yellow" => print("purple")
case "red" => print("green")
case _ => print("not a primary color")
```

You can find the complete solution below:

> You were required to write the code from **line 3** to **line 8**.

This code requires the following environment variables to execute: ⌃

```
var testVariable = "red"

testVariable match {
  case "blue" => print("orange")
  case "yellow" => print("purple")
  case "red" => print("green")
  case _ => print("not a primary color")
}
```

In the next lesson, we will complete our discussion on control structures with types of patterns.