```javascript
var component = document.querySelector(".component");


// This method will change the color of the element to a random RGB color when the mouse enters the
container.

component.addEventListener("mouseenter", function() {

  var color = `rgb(${Math.floor(Math.random() * 255)}, ${Math.floor(Math.random() * 255)},
${Math.floor(Math.random() * 255)})`;

  this.querySelector(".element").style.backgroundColor = color;

});


// This method will stop the color change when the mouse leaves the container.

component.addEventListener("mouseleave", function() {

  this.querySelector(".element").style.backgroundColor = "black";

});


// This method will stop the color change when the element is double-clicked.

component.addEventListener("dblclick", function() {

  this.querySelector(".element").style.backgroundColor = "black";

});
```