

Add Styles and Formatting to Your console.log Messages in JavaScript

Learn how to add CSS and formatting log messages in JavaScript.



Javascript Jeep 🚗 ➡️

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Image by Joanna Kosinska

We all know the `console.log` function will log a simple message to the console. But `console.log` can also format the text and make the message stand out from other messages. This gives us the ability to find our important messages in the console.

Format specifier

Format specifiers define the type of data to be printed on standard output. We can use Format specifiers to tell the `log` function how the data should be printed.

`%s` → Formats the value as a string.

```
var a = 10;  
  
console.log("%s treated as string", a);
```

List of format specifier we have:

`%s` → Formats the value as a string

`%i` or `%d` → Formats the value as an integer

`%f` → Formats the value as a floating point value

`%o` → Formats the value as an expandable DOM element. As seen in the Elements panel

`%O` → Formats the value as an expandable JavaScript object

`%c` → Applies CSS style rules to the output string as specified by the second parameter

`%c` → A format specifier that will apply CSS style rules to the output string. We pass the CSS as a string as the second parameter.

```
console.log("%cJavascript Jeep 🚗 in Blue", "color:blue; font-size:50px");
```

```
console.log("%cJavascript Jeep 🚗 in Blue", "color:blue; font-size:50px");
```

VM153:1

Javascript Jeep 🚗 in
Blue

Having multiple styles

We can also apply multiple styles to the message. Use `%c` before each part of the string and pass a separate style for each `%c`:

```
console.log("%cJavascript Jeep 🚗 in Blue %cJavascript Jeep 🚗 in red", "color:blue; font-size:50px", "color:red; font-size:50px" );
```

```
console.log("%cJavascript Jeep 🚗 in Blue %cJavascript Jeep 🚗 in red", "color:blue; font-size:50px", "color:red; font-size:50px " );
```

VM186:1

Javascript Jeep 🚗 in
Blue

Javascript Jeep 🚗 in
red

We can also pass the style as a string:

```
var style = "color: red; background: #eee; font-size: 50 ";  
console.log("%c Javascript Jeep 🚗 in Blue", style);
```

We can define them in an array and join them into a string for convenience:

```
var styles = [ "color: red", "background: #eee", "font-size: 50"];  
var styleStr = styles.join('; ');
```

This will produce the same result as above.

Adding an image to the console

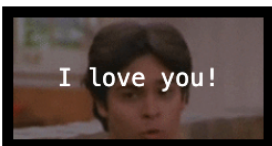
We can add an image to the console by using `background-image` property from CSS:

```
var styleArray= [  
  'background-image:  
url("https://media.giphy.com/media/2dQ3FMaMFccpi/giphy.gif")',  
  'background-size: cover',  
  'color: #fff',  
  'padding: 10px 20px',  
  'line-height: 35px',  
  'width : 70px',  
  'height : 70px',  
  'border : 5px solid black'  
];
```

```
console.log('%cI love you!', styleArray.join(';'));
```

```
var styleArray= [  
  'background-image: url("https://media.giphy.com/media/2dQ3FMaMFccpi/giphy.gif")',  
  'background-size: cover',  
  'color: #fff',  
  'padding: 10px 20px',  
  'line-height: 35px',  
  'width : 70px',  
  'height : 70px',  
  'border : 5px solid black'  
];  
console.log('%cI love you!', styleArray.join(';'));
```

VM469:11



Surprise your customers

```
var style = 'color: tomato; background:#eee; -webkit-text-stroke:  
1px black; font-size:30px;';
```

```
console.log('%cHi, We are Happy 😊 to have you as our customer',  
style );
```

```
var a = 'color: tomato; background:#eee; -webkit-text-stroke: 1px black; font-weight:bold;  
font-size:30px;';  
console.log('%cHi, We are Happy 😊 to have you as our customer', a );
```

VM671:2

Hi, We are Happy 😊 to have you
as our customer

Creating Facebook stop message in the console

If you have opened the console on facebook.com, you have undoubtedly been greet by the “stop” message. Instead of “stop” let’s print a welcome message:

```
const style = 'color:red; font-size:30px; font-weight: bold; -webkit-text-stroke: 1px black;'
```

```
console.log("%c Javascript Jeep Welcomes you", style);
```

```
var a = 'color:red; font-size:30px; font-weight: bold; -webkit-text-stroke: 1px black;'  
undefined  
console.log("%c Javascript Jeep Welcomes you", a);
```

Javascript Jeep Welcomes you

VM567:1

Tips :

1. If you want to prevent console.log by the users

```
console.log = function() {  
    console.error(" Logging by user is disabled ");  
}
```

The above code will restrict users from logging messages because the function has been replaced.

2. Logging after a delay

Log a message after a given interval.

```
1 console.delayLog = function(time, message) {  
2     var style =  
3         "color: rgb(249, 162, 34);" +  
4         "font-size: 60px;" +  
5         "font-weight: bold;" +  
6         "text-shadow: 1px 1px 5px rgb(249, 162, 34);" +  
7         "filter: dropshadow(color=rgb(249, 162, 34), offx=1, offy=1);";  
8     setTimeout(function() {  
9         console.log(message, style);  
10    }, delay);
```

```
11  }  
12  
13  console.delayLog(1000, "%cDelayed Log")
```

delaylog.js hosted with ❤ by GitHub

[view raw](#)

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