

# Converting Colors

CIELCh(59, 84.398, 52.329)

Have a look what the booklet for  
CIELCh(59, 84.398, 52.329) contains.

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# Color

**CIELCh(59, 84.279, 52.254)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EF6109
RGB	239, 97, 9
RGB Percent	94%, 38%, 4%
CMY	0.0614, 0.6185, 0.9667
CMYK	0.00, 0.59, 0.96, 0.06
HSL	23°, 93%, 49%
HSV	23°, 96%, 94%
XYZ	40.0557, 27.0277, 3.3497
YIQ	129.4260, 112.8800, 2.7360

# Conversions

## Conversions Part 2

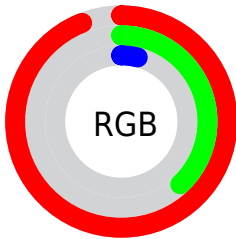
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 152, 9
Decimal	15687945
CIE <sub>Lab</sub>	59.00, 51.59, 66.64
CIE <sub>LCh</sub>	59, 84.279, 52.254
Yxy	27.0277, 0.5687, 0.3837
Android (android.graphics.Color)	4293878025 (0xFFEF6109)
YUV	129.4260, -59.3700, 96.0964
Hunter-Lab	51.9882, 46.5507, 32.5715

# Details

The CIELCh color **59, 84.279, 52.254** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **60, 53.557, 269.285**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 66.180, 60.815**, and **39, 73.590, 44.765** is the 20% darker color. If you saturate the color by 10%, you get **58, 86.503, 51.512**, and if you desaturate by 10%, it is **62, 76.944, 54.178**.

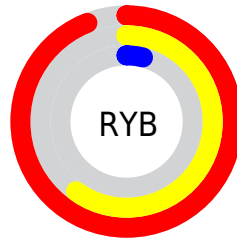
# Distribution



Red (94%)

Green (38%)

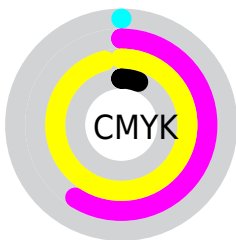
Blue (4%)



Red (94%)

Yellow (60%)

Blue (4%)

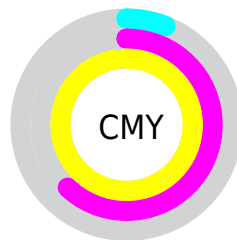


Cyan (0%)

Magenta (59%)

Yellow (96%)

Black (6%)



Cyan (6%)

Magenta (62%)

Yellow (97%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 84.279, 52.254 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 59, 84.279, 52.254 by changing the saturation by 10% instead.



59, 84.279, 52.254

59, 84.279, 52.254

100, 84.279,  
52.254

49, 84.279, 52.254

79, 84.279, 52.254

39, 84.279, 52.254

89, 84.279, 52.254

29, 84.279, 52.254

99, 84.279, 52.254

19, 84.279, 52.254

9, 84.279, 52.254

0, 84.279, 52.254

59, 84.279, 52.254

59, 84.279, 52.254

58, 86.503, 51.512

62, 76.944, 54.178

65, 67.567, 55.337

68, 57.476, 56.182

72, 47.431, 56.950

75, 37.779, 57.740

79, 28.658, 58.579

83, 20.099, 59.468

88, 12.088, 60.389

92, 4.584, 61.285

# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



59, 84.279, 52.254



60, 53.557, 269.285

# Rectangle

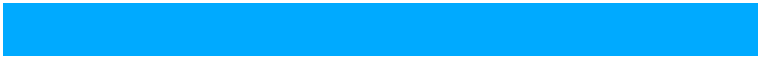
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59, 84.279, 52.254



59, 84.279, 102.254



59, 84.279, 232.254



59, 84.279, 282.254

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



59, 84.276, 52.256



87, 23.412, 59.228



53, 83.615, 350.984



45, 16.300, 58.847



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59, 84.276, 52.256



62, 90.864, 51.381



85, 84.567, 94.898



48, 4.086, 61.027



45, 70.510, 52.159



12, 23.922, 49.565



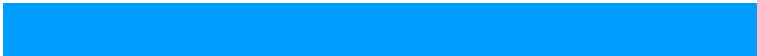


# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



60, 53.557, 269.285



63, 58.008, 271.261



33, 118.545, 304.353



48, 3.926, 243.124



46, 44.624, 270.142



12, 17.601, 261.681



# Previews

## White Background



This preview shows how the CIELCh color 59, 84.279, 52.254 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 59, 84.279, 52.254 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 59, 84.279, 52.254

## Background



This preview shows how black text looks on a background with the CIELCh color 59, 84.279, 52.254.



This preview shows how white text looks on a background with the CIELCh color 59, 84.279, 52.254.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

59, 84.145, 52.176

### Protanopia

59, 58.820, 95.589

### Tritanopia

59, 64.854, 26.026

# Trichromacy



**Original Color**  
59, 84.145, 52.176

**Protanomaly**  
58, 62.589, 74.562

**Tritanomaly**  
59, 71.850, 39.575

# Monochromacy



**Original Color**  
59, 84.145, 52.176

**Achromatopsia**  
54, 0.007, 296.813

**Achromatomaly**  
54, 30.634, 57.214



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 59, 84.279, 52.254 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(239, 97, 9)` looks like.

```
.text, #text, p{  
    color:rgb(239, 97, 9)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(239, 97, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 97, 9) }
```

## Border

The CSS property to change the border of an element to CIELCh 59, 84.279, 52.254 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(239, 97, 9) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(239, 97, 9) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(239, 97, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 97, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 97, 9);  
box-shadow:4px 4px 4px 4px rgb(239, 97, 9)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 59, 84.279, 52.254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 97, 9) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(239, 97,  
9) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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