

Converting Colors

CIELCh(59, 82.692, 54.478)

Have a look what the booklet for
CIELCh(59, 82.692, 54.478) contains.

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Color

CIELCh(59, 82.768, 54.336)

Conversions

Conversions Part 1

Format	Color
Hex	EB6503
RGB	235, 101, 3
RGB Percent	92%, 40%, 1%
CMY	0.0778, 0.6034, 0.9874
CMYK	0.00, 0.57, 0.99, 0.08
HSL	25°, 97%, 47%
HSV	25°, 99%, 92%
XYZ	38.9958, 27.0277, 3.2540
YIQ	129.8940, 111.3220, -2.0700

Conversions

Conversions Part 2

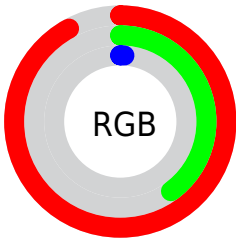
Format	Color
RYB	235, 173, 3
Decimal	15426819
CIELab	59.00, 48.26, 67.24
CIElCh	59, 82.768, 54.336
Yxy	27.0277, 0.5629, 0.3901
Android (android.graphics.Color)	4293616899 (0xFFEB6503)
YUV	129.8940, -62.5587, 92.1780
Hunter-Lab	51.9882, 42.9115, 32.6807

Details

The CIELCh color **59, 82.768, 54.336** 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 **56, 58.014, 275.464**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 66.765, 62.690**, and **39, 70.862, 46.456** is the 20% darker color. If you saturate the color by 10%, you get **59, 83.581, 54.032**, and if you desaturate by 10%, it is **62, 76.422, 56.670**.

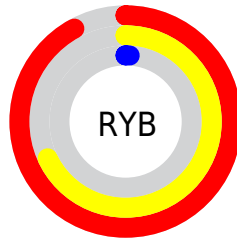
Distribution



Red (92%)

Green (40%)

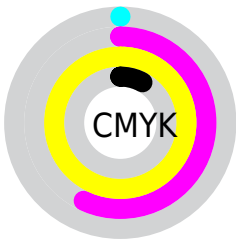
Blue (1%)



Red (92%)

Yellow (68%)

Blue (1%)

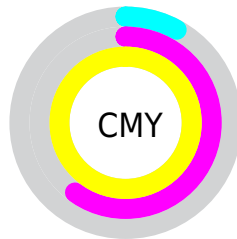


Cyan (0%)

Magenta (57%)

Yellow (99%)

Black (8%)



Cyan (8%)

Magenta (60%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 82.768, 54.336 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, 82.768, 54.336 by changing the saturation by 10% instead.

59, 82.768, 54.336

59, 82.768, 54.336

100, 82.768,
54.336

49, 82.768, 54.336

79, 82.768, 54.336

39, 82.768, 54.336

89, 82.768, 54.336

29, 82.768, 54.336

99, 82.768, 54.336

19, 82.768, 54.336

9, 82.768, 54.336

0, 82.768, 54.336

59, 82.768, 54.336

59, 82.768, 54.336

59, 83.581, 54.032

62, 76.422, 56.670

65, 67.916, 58.240

68, 58.381, 59.399

71, 48.680, 60.414

74, 39.237, 61.405

78, 30.232, 62.415

82, 21.722, 63.452

86, 13.708, 64.506

90, 6.161, 65.543

Harmonies

Complementary

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



59, 82.768, 54.336



56, 58.014, 275.464

Rectangle

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



59, 82.768, 54.336



59, 82.768, 104.336



59, 82.768, 234.336



59, 82.768, 284.336

Sweetspot

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



59, 82.765, 54.338



87, 24.422, 63.295



51, 81.354, 354.468



45, 16.882, 62.854



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, 82.765, 54.338



63, 88.988, 53.856



85, 85.600, 97.225



47, 4.059, 65.459



46, 68.365, 54.705



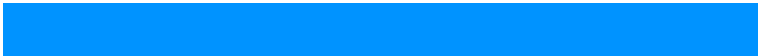
12, 22.403, 52.756

Inverse Universe

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



56, 58.014, 275.464



60, 62.697, 276.356



31, 121.208, 305.290



47, 3.922, 247.739



43, 47.600, 275.220



11, 18.027, 266.431

Previews

White Background



This preview shows how the CIELCh color 59, 82.768, 54.336 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, 82.768, 54.336 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, 82.768, 54.336

Background



This preview shows how black text looks on a background with the CIELCh color 59, 82.768, 54.336.



This preview shows how white text looks on a background with the CIELCh color 59, 82.768, 54.336.

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, 82.768, 54.336

Protanopia

59, 59.421, 95.145

Deuteranopia

59, 64.557, 83.457



Tritanopia
59, 61.648, 24.856

Trichromacy



Original Color
59, 82.768, 54.336

Protanomaly
58, 63.061, 76.187

Deuteranomaly
58, 68.684, 70.536

Tritanomaly
59, 69.038, 40.794

Monochromacy



Original Color
59, 82.768, 54.336

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 30.725, 62.033

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 82.768, 54.336 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(235, 101, 3)` looks like.

```
.text, #text, p{  
    color:rgb(235, 101, 3)  
}
```

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(235, 101, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 101, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 82.768, 54.336 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(235, 101, 3) }
```

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

```
.border{ border-color:rgb(235, 101, 3) }
```

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

Here you see how a box with a 4 pixel rgb(235, 101, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 101, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 101, 3);  
box-shadow:4px 4px 4px 4px rgb(235, 101,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 82.768, 54.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 101, 3) }
```

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

```
.background{ background-color: rgb(235,  
101, 3) }
```

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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