

Converting Colors

CIELCh(67, 81.125, 58.315)

Have a look what the booklet for
CIELCh(67, 81.125, 58.315) contains.

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Color

CIELCh(67, 81.151, 58.229)

Conversions

Conversions Part 1

Format	Color
Hex	FE801B
RGB	254, 128, 27
RGB Percent	100%, 50%, 11%
CMY	0.0035, 0.4977, 0.8936
CMYK	0.00, 0.50, 0.89, 0.00
HSL	27°, 99%, 55%
HSV	27°, 89%, 100%
XYZ	48.8419, 36.6320, 5.5404
YIQ	154.1600, 107.5170, -4.6990

Conversions

Conversions Part 2

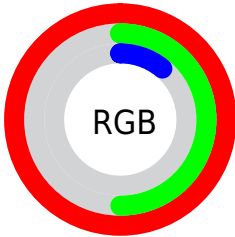
Format	Color
RYB	254, 209, 27
Decimal	16678939
CIELab	67.00, 42.73, 68.99
CIELCh	67, 81.151, 58.229
Yxy	36.6320, 0.5366, 0.4025
Android (android.graphics.Color)	4294869019 (0xFFFE801B)
YUV	154.1600, -62.6899, 87.5597
Hunter-Lab	60.5244, 38.1282, 36.9397

Details

The CIELCh color **67, 81.151, 58.229** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **62, 59.101, 273.915**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 60.922, 73.405**, and **47, 71.783, 53.060** is the 20% darker color. If you saturate the color by 10%, you get **64, 87.289, 55.653**, and if you desaturate by 10%, it is **70, 72.586, 60.027**.

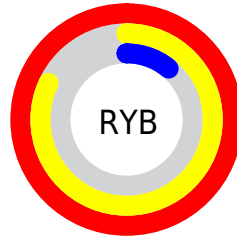
Distribution



Red (100%)

Green (50%)

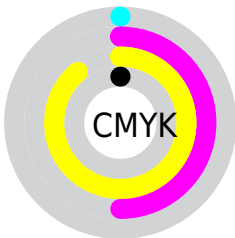
Blue (11%)



Red (100%)

Yellow (82%)

Blue (11%)

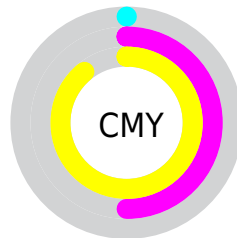


Cyan (0%)

Magenta (50%)

Yellow (89%)

Black (0%)



Cyan (0%)

Magenta (50%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 81.151, 58.229 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 67, 81.151, 58.229 by changing the saturation by 10% instead.

67, 81.151, 58.229

67, 81.151, 58.229

100, 81.151,
58.229

57, 81.151, 58.229

87, 81.151, 58.229

47, 81.151, 58.229

97, 81.151, 58.229

37, 81.151, 58.229

27, 81.151, 58.229

17, 81.151, 58.229

7, 81.151, 58.229

0, 81.151, 58.229

67, 81.151, 58.229

67, 81.151, 58.229

64, 87.289, 55.653

70, 72.586, 60.027

64, 87.676, 55.485

73, 62.727, 61.362

77, 52.552, 62.518

80, 42.563, 63.625

84, 32.983, 64.733

88, 23.891, 65.854

92, 15.297, 66.983

96, 7.175, 68.091

100, 0.310,
201.521

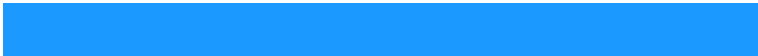
Harmonies

Complementary

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



67, 81.151, 58.229



62, 59.101, 273.915

Rectangle

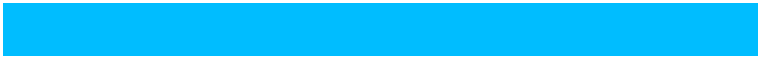
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 81.151, 58.229



67, 81.151, 108.229



67, 81.151, 238.229



67, 81.151, 288.229

Sweetspot

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



67, 81.149, 58.232



89, 21.910, 66.116



56, 84.922, 353.031



46, 14.911, 65.731



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 81.149, 58.232



64, 87.914, 55.478



93, 89.851, 98.931



51, 4.388, 68.072



49, 70.463, 56.182



15, 27.166, 56.410

Inverse Universe

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



62, 59.101, 273.915



58, 65.741, 279.132



36, 122.134, 304.234



51, 4.254, 250.460



44, 52.117, 278.227



13, 21.498, 271.271

Previews

White Background



This preview shows how the CIELCh color 67, 81.151, 58.229 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 67, 81.151, 58.229 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 ✓ Pass

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

CIELCh 67, 81.151, 58.229

Background



This preview shows how black text looks on a background with the CIELCh color 67, 81.151, 58.229.



This preview shows how white text looks on a background with the CIELCh color 67, 81.151, 58.229.

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

67, 81.151, 58.229

Protanopia

67, 63.153, 95.264

Deuteranopia

67, 71.569, 83.129



Tritanopia
67, 55.521, 21.520

Trichromacy



Original Color
67, 81.151, 58.229

Protanomaly
66, 65.523, 79.325

Deuteranomaly
67, 73.531, 73.029

Tritanomaly
67, 62.554, 40.612

Monochromacy



Original Color
67, 81.151, 58.229

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 28.874, 65.053

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 81.151, 58.229 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(254, 128, 27)` looks like.

```
.text, #text, p{  
    color:rgb(254, 128, 27)  
}
```

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(254, 128, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 128, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 81.151, 58.229 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(254, 128, 27) }
```

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

```
.border{ border-color:rgb(254, 128, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 128, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 128, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 128, 27);  
box-shadow:4px 4px 4px 4px rgb(254, 128,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 81.151, 58.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 128, 27) }
```

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

```
.background{ background-color: rgb(254,  
128, 27) }
```

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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