

Converting Colors

CIELCh(67, 81.781, 57.811)

Have a look what the booklet for
CIELCh(67, 81.781, 57.811) contains.

CIELCh(67, 81.637, 57.715)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(67, 81.637, 57.715)

Conversions

Conversions Part 1

Format	Color
Hex	FF7F1B
RGB	255, 127, 27
RGB Percent	100%, 50%, 11%
CMY	0.0000, 0.5010, 0.8929
CMYK	0.00, 0.50, 0.89, 0.00
HSL	26°, 100%, 55%
HSV	26°, 89%, 100%
XYZ	49.1634, 36.6320, 5.5348
YIQ	153.8720, 108.3880, -3.9640

Conversions

Conversions Part 2

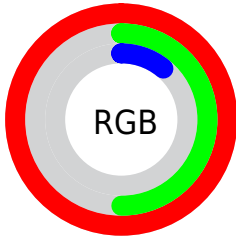
Format	Color
R _Y B	255, 205, 27
Decimal	16744219
CIE Lab	67.00, 43.60, 69.02
CIE LCh	67, 81.637, 57.715
Yxy	36.6320, 0.5383, 0.4011
Android (android.graphics.Color)	4294934299 (0xFFFF7F1B)
YUV	153.8720, -62.5479, 88.6893
Hunter-Lab	60.5244, 39.0764, 36.9451

Details

The CIELCh color **67, 81.637, 57.715** 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 **62, 58.589, 273.166**, 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, 72.361, 52.567** is the 20% darker color. If you saturate the color by 10%, you get **64, 87.778, 55.218**, and if you desaturate by 10%, it is **70, 72.866, 59.520**.

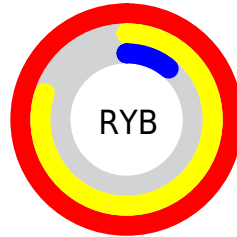
Distribution



Red (100%)

Green (50%)

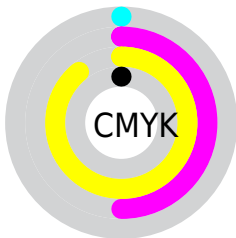
Blue (11%)



Red (100%)

Yellow (80%)

Blue (11%)

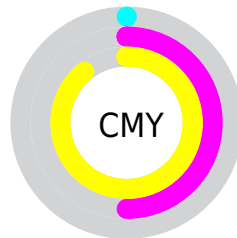


Cyan (0%)

Magenta (50%)

Yellow (89%)

Black (0%)



Cyan (0%)

Magenta (50%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 81.637, 57.715 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, 81.637, 57.715 by changing the saturation by 10% instead.

67, 81.637, 57.715

67, 81.637, 57.715

100, 81.637,
57.715

57, 81.637, 57.715

87, 81.637, 57.715

47, 81.637, 57.715

97, 81.637, 57.715

37, 81.637, 57.715

27, 81.637, 57.715

17, 81.637, 57.715

7, 81.637, 57.715

0, 81.637, 57.715

67, 81.637, 57.715

67, 81.637, 57.715

64, 87.778, 55.218

70, 72.866, 59.520

64, 88.191, 55.042

73, 62.916, 60.819

77, 52.669, 61.942

80, 42.626, 63.021

84, 33.007, 64.105

88, 23.888, 65.206

92, 15.277, 66.318

96, 7.148, 67.411

100, 0.012,
296.813

Harmonies

Complementary

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



67, 81.637, 57.715



62, 58.589, 273.166

Rectangle

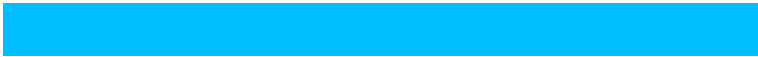
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 81.637, 57.715



67, 81.637, 107.715



67, 81.637, 237.715



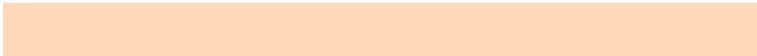
67, 81.637, 287.715

Sweetspot

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



67, 81.537, 57.763



89, 21.871, 65.461



57, 85.145, 353.025



46, 14.887, 65.082



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, 81.537, 57.763



64, 88.191, 55.042



93, 90.084, 98.932



51, 4.377, 67.388



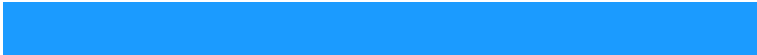
49, 70.677, 55.744



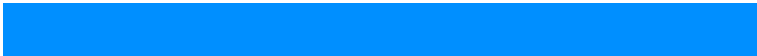
15, 27.197, 55.838

Inverse Universe

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



62, 58.589, 273.166



59, 64.927, 278.424



36, 122.440, 304.230



51, 4.239, 249.754



45, 51.482, 277.512



13, 21.273, 270.519

Previews

White Background



This preview shows how the CIELCh color 67, 81.637, 57.715 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, 81.637, 57.715 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, 81.637, 57.715

Background



This preview shows how black text looks on a background with the CIELCh color 67, 81.637, 57.715.



This preview shows how white text looks on a background with the CIELCh color 67, 81.637, 57.715.

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, 81.637, 57.715

Protanopia

67, 63.153, 95.264

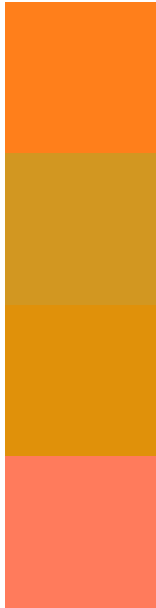
Deuteranopia

67, 71.569, 83.129



Tritanopia
67, 55.521, 21.520

Trichromacy



Original Color
67, 81.637, 57.715

Protanomaly
66, 65.742, 78.973

Deuteranomaly
67, 73.531, 73.029

Tritanomaly
67, 62.773, 40.167

Monochromacy



Original Color
67, 81.637, 57.715

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 29.140, 63.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 81.637, 57.715 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(255, 127, 27)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 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(255, 127, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 81.637, 57.715 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(255, 127, 27) }
```

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

```
.border{ border-color:rgb(255, 127, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 127, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 27);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 81.637, 57.715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 27) }
```

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

```
.background{ background-color: rgb(255,  
127, 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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