

Converting Colors

CIELCh(67, 85.489, 59.211)

Have a look what the booklet for
CIELCh(67, 85.489, 59.211) contains.

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Color

CIELCh(67, 85.189, 59.408)

Conversions

Conversions Part 1

Format	Color
Hex	FF7F05
RGB	255, 127, 5
RGB Percent	100%, 50%, 2%
CMY	0.0000, 0.5005, 0.9810
CMYK	0.00, 0.50, 0.98, 0.00
HSL	29°, 100%, 51%
HSV	29°, 98%, 100%
XYZ	49.0715, 36.6320, 4.6228
YIQ	151.3640, 115.4500, -10.8060

Conversions

Conversions Part 2

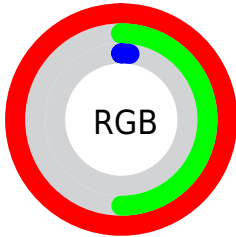
Format	Color
RYB	255, 243, 5
Decimal	16744197
CIELab	67.00, 43.35, 73.33
CIELCh	67, 85.189, 59.408
Yxy	36.6320, 0.5433, 0.4056
Android (android.graphics.Color)	4294934277 (0xFFFF7F05)
YUV	151.3640, -72.1575, 90.8888
Hunter-Lab	60.5244, 38.8052, 37.8385

Details

The CIELCh color **67, 85.189, 59.408** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **56, 70.774, 283.180**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 65.202, 74.565**, and **47, 71.989, 52.715** is the 20% darker color. If you saturate the color by 10%, you get **66, 85.987, 58.955**, and if you desaturate by 10%, it is **70, 79.302, 62.207**.

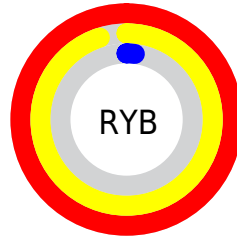
Distribution



Red (100%)

Green (50%)

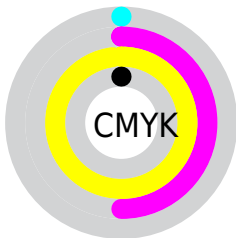
Blue (2%)



Red (100%)

Yellow (95%)

Blue (2%)

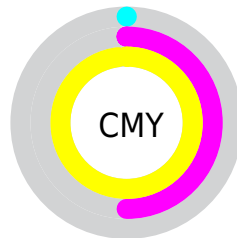


Cyan (0%)

Magenta (50%)

Yellow (98%)

Black (0%)



Cyan (0%)

Magenta (50%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 85.189, 59.408 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, 85.189, 59.408 by changing the saturation by 10% instead.

67, 85.189, 59.408

67, 85.189, 59.408

100, 85.189,
59.408

57, 85.189, 59.408

87, 85.189, 59.408

47, 85.189, 59.408

97, 85.189, 59.408

37, 85.189, 59.408

27, 85.189, 59.408

17, 85.189, 59.408

7, 85.189, 59.408

0, 85.189, 59.408

67, 85.189, 59.408

67, 85.189, 59.408

66, 85.987, 58.955

70, 79.302, 62.207

73, 71.088, 64.159

76, 61.567, 65.689

79, 51.656, 67.037

82, 41.844, 68.318

86, 32.355, 69.578

89, 23.276, 70.828

93, 14.626, 72.065

97, 6.387, 73.259

Harmonies

Complementary

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



67, 85.189, 59.408



56, 70.774, 283.180

Rectangle

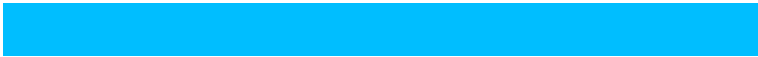
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 85.189, 59.408



67, 85.189, 109.408



67, 85.189, 239.408



67, 85.189, 289.408

Sweetspot

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



67, 85.034, 59.487



89, 24.071, 70.716



55, 84.692, 0.555



46, 16.694, 70.184



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, 85.034, 59.487



66, 85.987, 58.955



96, 95.380, 101.819



51, 4.496, 73.098



51, 68.987, 59.667



16, 27.020, 60.818

Inverse Universe

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



56, 70.774, 283.180



55, 72.159, 284.028



33, 132.361, 306.042



51, 4.390, 255.613



42, 57.132, 283.175



12, 23.302, 276.541

Previews

White Background



This preview shows how the CIELCh color 67, 85.189, 59.408 looks on a white background.

Color Contrast Check

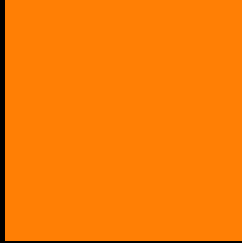
Large Text (above 18pt) WCAG AA × Fail

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, 85.189, 59.408 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, 85.189, 59.408

Background



This preview shows how black text looks on a background with the CIELCh color 67, 85.189, 59.408.



This preview shows how white text looks on a background with the CIELCh color 67, 85.189, 59.408.

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, 85.070, 59.354

Protanopia

67, 66.816, 95.319

Deuteranopia

67, 71.392, 83.471



Tritanopia
67, 55.521, 21.520

Trichromacy



Original Color
67, 85.070, 59.354

Protanomaly
66, 69.595, 79.881

Deuteranomaly
67, 74.543, 73.328

Tritanomaly
67, 65.166, 43.187

Monochromacy



Original Color
67, 85.070, 59.354

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 32.819, 68.888

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 85.189, 59.408 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, 5)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 5)  
}
```

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, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 85.189, 59.408 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, 5) }
```

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

```
.border{ border-color:rgb(255, 127, 5) }
```

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, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 5);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 85.189, 59.408 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, 5) }
```

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

```
.background{ background-color: rgb(255,  
127, 5) }
```

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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