

Converting Colors

CIELCh(66, 84.887, 59.919)

Have a look what the booklet for
CIELCh(66, 84.887, 59.919) contains.

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Color

CIELCh(66, 84.489, 59.983)

Conversions

Conversions Part 1

Format	Color
Hex	FB7E00
RGB	251, 126, 0
RGB Percent	98%, 49%, 0%
CMY	0.0168, 0.5067, 1.0000
CMYK	0.00, 0.50, 1.00, 0.02
HSL	30°, 100%, 49%
HSV	30°, 100%, 98%
XYZ	47.1166, 35.3238, 4.3216
YIQ	149.0110, 114.9460, -12.6860

Conversions

Conversions Part 2

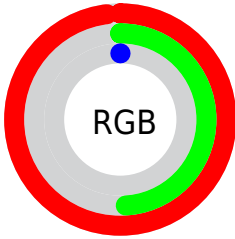
Format	Color
RYB	249, 251, 0
Decimal	16481792
CIELab	66.00, 42.27, 73.16
CIELCh	66, 84.489, 59.983
Yxy	35.3238, 0.5431, 0.4071
Android (android.graphics.Color)	4294671872 (0xFFFB7E00)
YUV	149.0110, -73.4624, 89.4444
Hunter-Lab	59.4338, 37.4980, 37.2925

Details

The CIELCh color **66, 84.489, 59.983** 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 **54, 72.911, 285.150**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 65.879, 74.341**, and **46, 71.076, 52.823** is the 20% darker color. If you saturate the color by 10%, you get **66, 84.430, 59.960**, and if you desaturate by 10%, it is **69, 79.258, 62.782**.

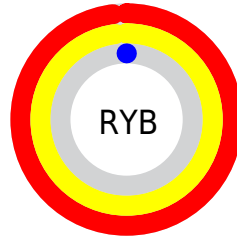
Distribution



Red (98%)

Green (49%)

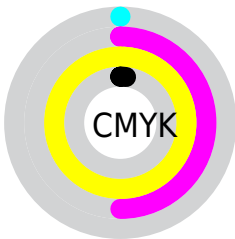
Blue (0%)



Red (98%)

Yellow (98%)

Blue (0%)

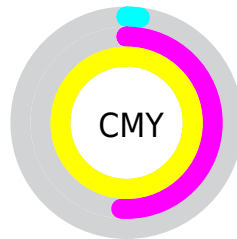


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (51%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 84.489, 59.983 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 66, 84.489, 59.983 by changing the saturation by 10% instead.

 66, 84.489, 59.983

 66, 84.489, 59.983

 100, 84.489,
59.983

 56, 84.489, 59.983

 86, 84.489, 59.983

 46, 84.489, 59.983

 96, 84.489, 59.983

 36, 84.489, 59.983

 26, 84.489, 59.983

 16, 84.489, 59.983

 6, 84.489, 59.983

 0, 84.489, 59.983

 66, 84.489, 59.983

 66, 84.489, 59.983

 66, 84.430, 59.960

 69, 79.258, 62.782

71, 71.687, 64.892

74, 62.569, 66.522

77, 52.895, 67.934

81, 43.217, 69.260

84, 33.801, 70.552

88, 24.757, 71.830

91, 16.115, 73.092

95, 7.869, 74.318

Harmonies

Complementary

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



66, 84.489, 59.983



54, 72.911, 285.150

Rectangle

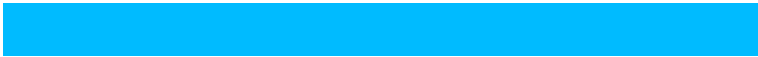
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 84.489, 59.983



66, 84.489, 109.983



66, 84.489, 239.983



66, 84.489, 289.983

Sweetspot

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



66, 84.430, 59.960



89, 25.100, 71.827



54, 83.556, 2.901



46, 17.298, 71.289



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 84.430, 59.960



67, 85.534, 59.924



96, 95.677, 102.852



50, 4.456, 74.378



51, 67.948, 60.671



15, 25.830, 61.825

Inverse Universe

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



54, 72.911, 285.150



54, 73.918, 285.193



32, 132.113, 306.287



50, 4.358, 256.910



41, 57.873, 284.309



11, 23.023, 277.415

Previews

White Background



This preview shows how the CIELCh color 66, 84.489, 59.983 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 66, 84.489, 59.983 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 66, 84.489, 59.983

Background



This preview shows how black text looks on a background with the CIELCh color 66, 84.489, 59.983.



This preview shows how white text looks on a background with the CIELCh color 66, 84.489, 59.983.

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

66, 84.489, 59.983

Protanopia

66, 66.019, 95.187

Deuteranopia

66, 70.646, 83.608



Tritanopia
66, 57.380, 22.031

Trichromacy



Original Color
66, 84.489, 59.983

Protanomaly
65, 68.835, 79.909

Deuteranomaly
66, 73.791, 73.694

Tritanomaly
66, 66.188, 43.499

Monochromacy



Original Color
66, 84.489, 59.983

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 33.077, 69.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 84.489, 59.983 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(251, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(251, 126, 0)  
}
```

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(251, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 126, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 84.489, 59.983 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(251, 126, 0) }
```

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

```
.border{ border-color:rgb(251, 126, 0) }
```

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

Here you see how a box with a 4 pixel rgb(251, 126, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(251, 126,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 84.489, 59.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 126, 0) }
```

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

```
.background{ background-color: rgb(251,  
126, 0) }
```

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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