

Converting Colors

CIELCh(66, 86.151, 58.621)

Have a look what the booklet for
CIELCh(66, 86.151, 58.621) contains.

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Color

CIELCh(66, 85.949, 58.512)

Conversions

Conversions Part 1

Format	Color
Hex	FE7B00
RGB	254, 123, 0
RGB Percent	100%, 48%, 0%
CMY	0.0031, 0.5169, 0.9985
CMYK	0.00, 0.52, 1.00, 0.00
HSL	29°, 100%, 50%
HSV	29°, 100%, 100%
XYZ	48.0611, 35.3238, 4.2959
YIQ	148.1470, 117.5590, -10.4810

Conversions

Conversions Part 2

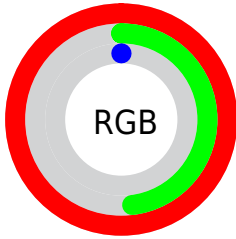
Format	Color
RYB	254, 238, 0
Decimal	16677632
CIELab	66.00, 44.89, 73.29
CIELCh	66, 85.949, 58.512
Yxy	35.3238, 0.5481, 0.4029
Android (android.graphics.Color)	4294867712 (0xFFFE7B00)
YUV	148.1470, -73.0365, 92.8331
Hunter-Lab	59.4338, 40.3347, 37.3182

Details

The CIELCh color **66, 85.949, 58.512** 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, 70.982, 283.336**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 65.636, 72.856**, and **46, 72.453, 51.519** is the 20% darker color. If you saturate the color by 10%, you get **66, 86.025, 58.474**, and if you desaturate by 10%, it is **69, 80.458, 61.290**.

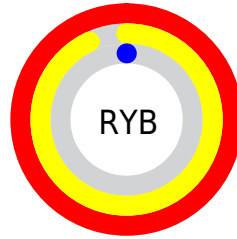
Distribution



Red (100%)

Green (48%)

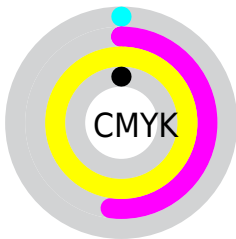
Blue (0%)



Red (100%)

Yellow (93%)

Blue (0%)

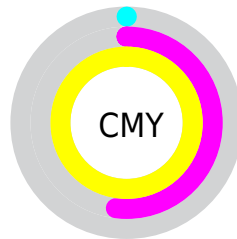


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (52%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 85.949, 58.512 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, 85.949, 58.512 by changing the saturation by 10% instead.

 66, 85.949, 58.512

 66, 85.949, 58.512

 100, 85.949,
58.512

 56, 85.949, 58.512

 86, 85.949, 58.512

 46, 85.949, 58.512

 96, 85.949, 58.512

 36, 85.949, 58.512

 26, 85.949, 58.512

 16, 85.949, 58.512

 6, 85.949, 58.512

 0, 85.949, 58.512

 66, 85.949, 58.512

 66, 85.949, 58.512

 66, 86.025, 58.474

 69, 80.458, 61.290

72, 72.533, 63.326

75, 63.118, 64.880

78, 53.214, 66.225

81, 43.365, 67.492

85, 33.827, 68.735

88, 24.702, 69.972

92, 16.013, 71.199

96, 7.748, 72.396

Harmonies

Complementary

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



66, 85.949, 58.512



56, 70.982, 283.336

Rectangle

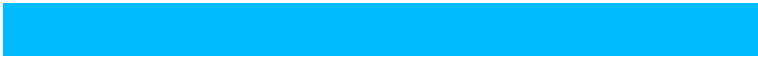
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 85.949, 58.512



66, 85.949, 108.512



66, 85.949, 238.512



66, 85.949, 288.512

Sweetspot

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



66, 85.946, 58.514



89, 24.899, 69.953



55, 84.641, 1.258



46, 17.171, 69.432



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, 85.946, 58.514



66, 86.229, 58.467



96, 95.446, 101.781



51, 4.480, 72.435



51, 69.171, 59.178



16, 27.031, 60.215

Inverse Universe

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



56, 70.982, 283.336



56, 71.268, 283.412



32, 132.786, 306.144



51, 4.369, 254.936



42, 56.434, 282.551



12, 23.049, 275.870

Previews

White Background



This preview shows how the CIELCh color 66, 85.949, 58.512 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, 85.949, 58.512 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, 85.949, 58.512

Background



This preview shows how black text looks on a background with the CIELCh color 66, 85.949, 58.512.



This preview shows how white text looks on a background with the CIELCh color 66, 85.949, 58.512.

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, 85.949, 58.512

Protanopia

66, 65.803, 95.184

Deuteranopia

66, 70.646, 83.608



Tritanopia
66, 57.507, 22.559

Trichromacy



Original Color
66, 85.949, 58.512

Protanomaly
65, 69.023, 78.723

Deuteranomaly
66, 74.316, 72.689

Tritanomaly
66, 67.513, 43.258

Monochromacy



Original Color
66, 85.949, 58.512

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 33.633, 67.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 85.949, 58.512 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, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 123, 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(254, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 123, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 85.949, 58.512 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, 123, 0) }
```

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

```
.border{ border-color:rgb(254, 123, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 123,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 85.949, 58.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 123, 0) }
```

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

```
.background{ background-color: rgb(254,  
123, 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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