

Converting Colors

CIELCh(67, 84.701, 59.340)

Have a look what the booklet for
CIELCh(67, 84.701, 59.340) contains.

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Color

CIELCh(67, 84.572, 59.523)

Conversions

Conversions Part 1

Format	Color
Hex	FF8008
RGB	255, 128, 8
RGB Percent	100%, 50%, 3%
CMY	0.0008, 0.4987, 0.9701
CMYK	0.00, 0.50, 0.97, 0.00
HSL	29°, 100%, 51%
HSV	29°, 97%, 100%
XYZ	48.9027, 36.6320, 4.7118
YIQ	152.2930, 114.2120, -10.3960

Conversions

Conversions Part 2

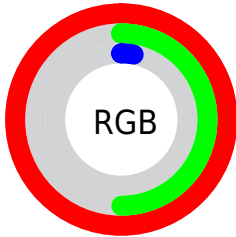
Format	Color
R _Y B	255, 241, 8
Decimal	16744456
CIE Lab	67.00, 42.89, 72.89
CIE LCh	67, 84.572, 59.523
Yxy	36.6320, 0.5419, 0.4059
Android (android.graphics.Color)	4294934536 (0xFFFF8008)
YUV	152.2930, -71.1364, 90.0740
Hunter-Lab	60.5244, 38.3076, 37.7513

Details

The CIELCh color **67, 84.572, 59.523** 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 **57, 69.446, 282.316**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 64.520, 74.790**, and **47, 72.155, 52.908** is the 20% darker color. If you saturate the color by 10%, you get **66, 86.071, 58.676**, and if you desaturate by 10%, it is **70, 78.523, 62.157**.

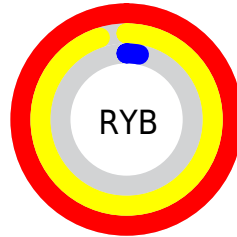
Distribution



Red (100%)

Green (50%)

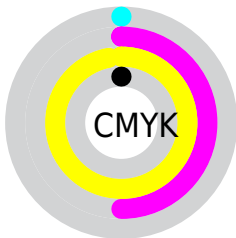
Blue (3%)



Red (100%)

Yellow (95%)

Blue (3%)

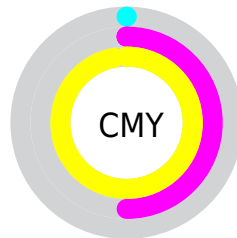


Cyan (0%)

Magenta (50%)

Yellow (97%)

Black (0%)



Cyan (0%)

Magenta (50%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 84.572, 59.523 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, 84.572, 59.523 by changing the saturation by 10% instead.

 67, 84.572, 59.523

 67, 84.572, 59.523

 100, 84.572,
59.523

 57, 84.572, 59.523

 87, 84.572, 59.523

 47, 84.572, 59.523

 97, 84.572, 59.523

 37, 84.572, 59.523

 27, 84.572, 59.523

 17, 84.572, 59.523

 7, 84.572, 59.523

 0, 84.572, 59.523

 67, 84.572, 59.523

 67, 84.572, 59.523

 66, 86.071, 58.676

 70, 78.523, 62.157

73, 70.066, 64.031

76, 60.439, 65.517

79, 50.508, 66.840

83, 40.720, 68.106

86, 31.278, 69.355

90, 22.256, 70.596

93, 13.668, 71.824

97, 5.492, 73.001

Harmonies

Complementary

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



67, 84.572, 59.523



57, 69.446, 282.316

Rectangle

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



67, 84.572, 59.523



67, 84.572, 109.523



67, 84.572, 239.523



67, 84.572, 289.523

Sweetspot

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



67, 84.569, 59.525



89, 24.034, 70.349



55, 84.557, 0.106



46, 16.671, 69.820



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, 84.569, 59.525



66, 86.125, 58.674



96, 95.140, 101.843



51, 4.487, 72.719



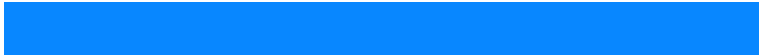
51, 69.092, 59.386



16, 27.026, 60.472

Inverse Universe

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



57, 69.446, 282.316



56, 71.647, 283.676



33, 131.807, 305.975



51, 4.378, 255.225



42, 56.731, 282.819



12, 23.156, 276.158

Previews

White Background



This preview shows how the CIELCh color 67, 84.572, 59.523 looks on a white background.

Color Contrast Check

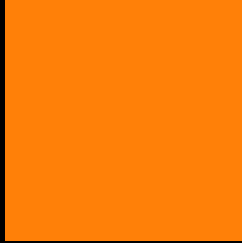
Large Text (above 18pt) WCAG AA × Fail

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, 84.572, 59.523 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, 84.572, 59.523

Background



This preview shows how black text looks on a background with the CIELCh color 67, 84.572, 59.523.



This preview shows how white text looks on a background with the CIELCh color 67, 84.572, 59.523.

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, 84.572, 59.523

Protanopia

67, 66.816, 95.319

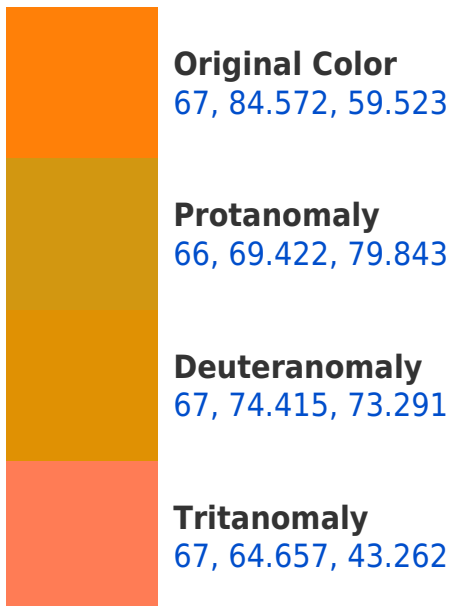
Deuteranopia

67, 71.569, 83.129



Tritanopia
67, 55.172, 21.944

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 84.572, 59.523 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, 128, 8)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 8)  
}
```

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, 128, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 84.572, 59.523 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, 128, 8) }
```

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

```
.border{ border-color:rgb(255, 128, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 8);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
8) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 84.572, 59.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 8) }
```

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

```
.background{ background-color: rgb(255,  
128, 8) }
```

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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