

Converting Colors

CIELCh(63, 84.879, 57.005)

Have a look what the booklet for
CIELCh(63, 84.879, 57.005) contains.

CIELCh(63, 84.702, 56.949)	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(63, 84.702, 56.949)

Conversions

Conversions Part 1

Format	Color
Hex	F67200
RGB	246, 114, 0
RGB Percent	96%, 45%, 0%
CMY	0.0357, 0.5533, 1.0000
CMYK	0.00, 0.54, 1.00, 0.04
HSL	28°, 100%, 48%
HSV	28°, 100%, 96%
XYZ	43.9737, 31.5869, 3.7743
YIQ	140.4720, 115.2660, -7.4700

Conversions

Conversions Part 2

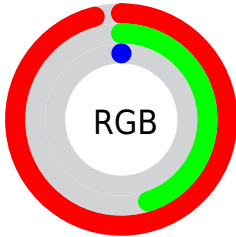
Format	Color
RYB	246, 212, 0
Decimal	16151040
CIELab	63.00, 46.20, 71.00
CIElCh	63, 84.702, 56.949
Yxy	31.5869, 0.5543, 0.3981
Android (android.graphics.Color)	4294341120 (0xFFFF67200)
YUV	140.4720, -69.2527, 92.5481
Hunter-Lab	56.2022, 41.3078, 35.3600

Details

The CIELCh color **63, 84.702, 56.949** 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 **55, 66.333, 281.132**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 65.944, 68.696**, and **43, 71.977, 49.266** is the 20% darker color. If you saturate the color by 10%, you get **63, 84.677, 56.941**, and if you desaturate by 10%, it is **66, 78.984, 59.599**.

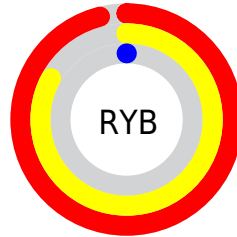
Distribution



Red (96%)

Green (45%)

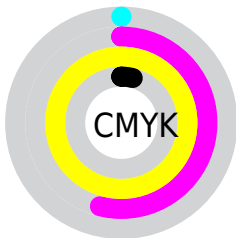
Blue (0%)



Red (96%)

Yellow (83%)

Blue (0%)

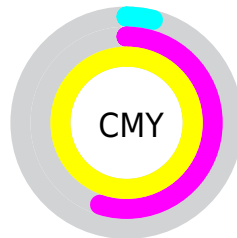


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 84.702, 56.949 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 63, 84.702, 56.949 by changing the saturation by 10% instead.

 63, 84.702, 56.949

 63, 84.702, 56.949

 100, 84.702,
56.949

 53, 84.702, 56.949

 83, 84.702, 56.949

 43, 84.702, 56.949

 93, 84.702, 56.949

 33, 84.702, 56.949

 23, 84.702, 56.949

 13, 84.702, 56.949

 3, 84.702, 56.949

 0, 84.702, 56.949

 63, 84.702, 56.949

 63, 84.702, 56.949

 63, 84.677, 56.941

 66, 78.984, 59.599

68, 70.995, 61.533

72, 61.623, 62.985

75, 51.844, 64.238

78, 42.178, 65.424

82, 32.860, 66.599

85, 23.981, 67.776

89, 15.557, 68.954

93, 7.572, 70.108

Harmonies

Complementary

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



63, 84.702, 56.949



55, 66.333, 281.132

Rectangle

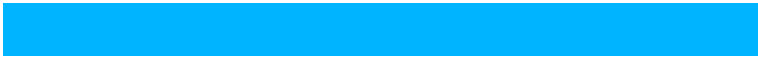
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 84.702, 56.949



63, 84.702, 106.949



63, 84.702, 236.949



63, 84.702, 286.949

Sweetspot

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



63, 84.677, 56.941



88, 24.702, 67.770



53, 83.223, 358.072



45, 17.049, 67.272



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 84.677, 56.941



65, 87.089, 56.861



91, 90.839, 99.525



49, 4.282, 70.165



48, 68.405, 57.648



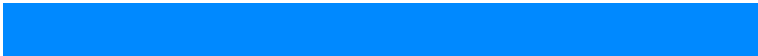
14, 24.691, 57.690

Inverse Universe

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



55, 66.333, 281.132



57, 68.314, 281.231



32, 128.179, 305.862



49, 4.164, 252.603



42, 52.953, 280.250



11, 20.774, 272.659

Previews

White Background



This preview shows how the CIELCh color 63, 84.702, 56.949 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 63, 84.702, 56.949 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 63, 84.702, 56.949

Background



This preview shows how black text looks on a background with the CIELCh color 63, 84.702, 56.949.



This preview shows how white text looks on a background with the CIELCh color 63, 84.702, 56.949.

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

63, 84.702, 56.949

Protanopia

63, 63.223, 95.218

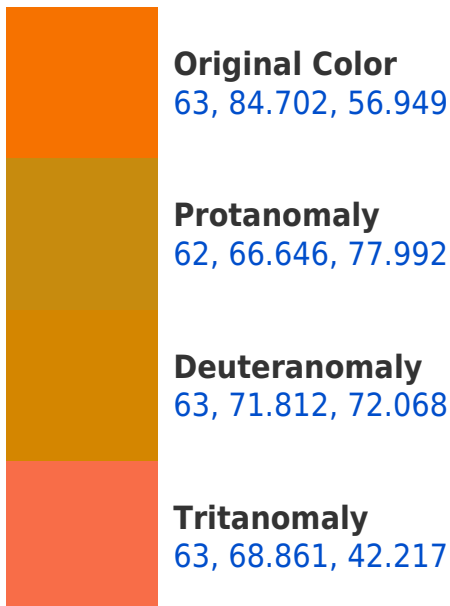
Deuteranopia

63, 67.996, 83.464



Tritanopia
63, 60.251, 23.524

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 84.702, 56.949 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(246, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(246, 114, 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(246, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 114, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 84.702, 56.949 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(246, 114, 0) }
```

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

```
.border{ border-color:rgb(246, 114, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(246, 114,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 84.702, 56.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 114, 0) }
```

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

```
.background{ background-color: rgb(246,  
114, 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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