

Converting Colors

CIELCh(67, 77.767, 63.688)

Have a look what the booklet for
CIELCh(67, 77.767, 63.688) contains.

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Color

CIELCh(67, 77.782, 63.877)

Conversions

Conversions Part 1

Format	Color
Hex	F38815
RGB	243, 136, 21
RGB Percent	95%, 53%, 8%
CMY	0.0479, 0.4673, 0.9187
CMYK	0.00, 0.44, 0.91, 0.05
HSL	31°, 90%, 52%
HSV	31°, 91%, 95%
XYZ	45.8043, 36.6320, 5.3529
YIQ	154.8830, 100.6870, -13.0810

Conversions

Conversions Part 2

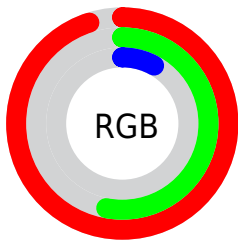
Format	Color
R _Y B	228, 243, 21
Decimal	15960085
CIE Lab	67.00, 34.25, 69.84
CIE LCh	67, 77.782, 63.877
Yxy	36.6320, 0.5218, 0.4173
Android (android.graphics.Color)	4294150165 (0xFFFF38815)
YUV	154.8830, -66.0043, 77.2786
Hunter-Lab	60.5244, 29.1697, 37.1233

Details

The CIELCh color **67, 77.782, 63.877** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **54, 66.999, 282.830**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 63.091, 78.049**, and **47, 66.401, 58.439** is the 20% darker color. If you saturate the color by 10%, you get **65, 81.803, 61.429**, and if you desaturate by 10%, it is **70, 70.918, 66.126**.

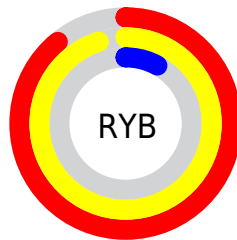
Distribution



Red (95%)

Green (53%)

Blue (8%)



Red (89%)

Yellow (95%)

Blue (8%)

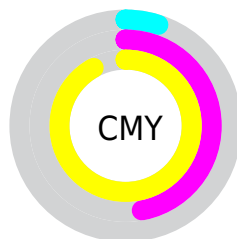


Cyan (0%)

Magenta (44%)

Yellow (91%)

Black (5%)



Cyan (5%)

Magenta (47%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 77.782, 63.877 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, 77.782, 63.877 by changing the saturation by 10% instead.

67, 77.782, 63.877

67, 77.782, 63.877

100, 77.782,
63.877

57, 77.782, 63.877

87, 77.782, 63.877

47, 77.782, 63.877

97, 77.782, 63.877

37, 77.782, 63.877

27, 77.782, 63.877

17, 77.782, 63.877

7, 77.782, 63.877

0, 77.782, 63.877

67, 77.782, 63.877

67, 77.782, 63.877

65, 81.803, 61.429

70, 70.918, 66.126

72, 62.342, 67.855

75, 53.060, 69.338

78, 43.670, 70.716

82, 34.468, 72.049

85, 25.586, 73.360

88, 17.067, 74.650

92, 8.913, 75.906

95, 1.104, 76.831

Harmonies

Complementary

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



67, 77.782, 63.877



54, 66.999, 282.830

Rectangle

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



67, 77.782, 63.877



67, 77.782, 113.877



67, 77.782, 243.877



67, 77.782, 293.877

Sweetspot

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



67, 77.780, 63.880



90, 22.627, 73.929



53, 80.277, 0.778



47, 15.364, 73.486



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, 77.780, 63.880



68, 84.942, 61.322



93, 91.648, 103.959



49, 4.431, 76.144



51, 66.815, 62.103



15, 24.644, 63.349

Inverse Universe

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



54, 66.999, 282.830



53, 76.433, 286.754



32, 124.543, 305.727



49, 4.345, 258.696



39, 59.162, 285.846



10, 22.904, 278.714

Previews

White Background



This preview shows how the CIELCh color 67, 77.782, 63.877 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, 77.782, 63.877 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, 77.782, 63.877

Background



This preview shows how black text looks on a background with the CIELCh color 67, 77.782, 63.877.



This preview shows how white text looks on a background with the CIELCh color 67, 77.782, 63.877.

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, 77.782, 63.877

Protanopia

67, 65.403, 95.303

Deuteranopia

67, 71.569, 83.129



Tritanopia
67, 49.882, 19.595

Trichromacy



Original Color
67, 77.782, 63.877

Protanomaly
67, 66.888, 82.627

Deuteranomaly
67, 72.815, 75.595

Tritanomaly
67, 56.902, 44.102

Monochromacy



Original Color
67, 77.782, 63.877

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 29.203, 71.913

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 77.782, 63.877 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(243, 136, 21)` looks like.

```
.text, #text, p{  
    color:rgb(243, 136, 21)  
}
```

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(243, 136, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 136, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 77.782, 63.877 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(243, 136, 21) }
```

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

```
.border{ border-color:rgb(243, 136, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 136, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 136, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 136, 21);  
box-shadow:4px 4px 4px 4px rgb(243, 136,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 77.782, 63.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 136, 21) }
```

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

```
.background{ background-color: rgb(243,  
136, 21) }
```

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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