

Converting Colors

CIELCh(63, 88.130, 52.468)

Have a look what the booklet for
CIELCh(63, 88.130, 52.468) contains.

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Color

CIELCh(63, 87.926, 52.672)

Conversions

Conversions Part 1

Format	Color
Hex	FF6A0B
RGB	255, 106, 11
RGB Percent	100%, 42%, 4%
CMY	0.0001, 0.5843, 0.9569
CMYK	0.00, 0.58, 0.96, 0.00
HSL	23°, 100%, 52%
HSV	23°, 96%, 100%
XYZ	46.4479, 31.5869, 3.9648
YIQ	139.7210, 119.2990, 2.0430

Conversions

Conversions Part 2

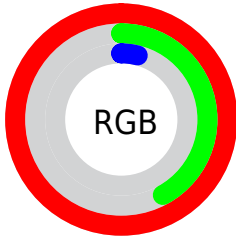
Format	Color
R _Y B	255, 167, 11
Decimal	16738827
CIE Lab	63.00, 53.32, 69.92
CIE LCh	63, 87.926, 52.672
Yxy	31.5869, 0.5664, 0.3852
Android (android.graphics.Color)	4294928907 (0xFFFF6A0B)
YUV	139.7210, -63.4595, 101.0997
Hunter-Lab	56.2022, 49.1661, 35.1590

Details

The CIELCh color **63, 87.926, 52.672** 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 **64, 56.511, 269.755**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 64.766, 64.635**, and **43, 77.301, 45.720** is the 20% darker color. If you saturate the color by 10%, you get **62, 90.616, 51.681**, and if you desaturate by 10%, it is **66, 80.143, 54.602**.

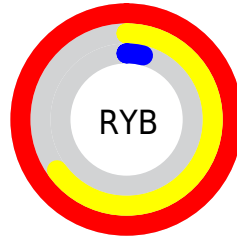
Distribution



Red (100%)

Green (42%)

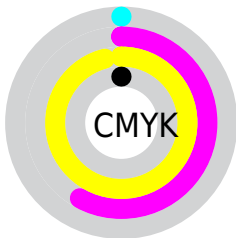
Blue (4%)



Red (100%)

Yellow (65%)

Blue (4%)

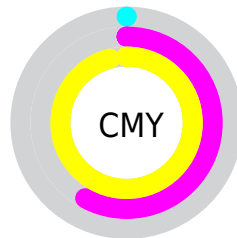


Cyan (0%)

Magenta (58%)

Yellow (96%)

Black (0%)



Cyan (0%)

Magenta (58%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 87.926, 52.672 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, 87.926, 52.672 by changing the saturation by 10% instead.

63, 87.926, 52.672

63, 87.926, 52.672

100, 87.926,
52.672

53, 87.926, 52.672

83, 87.926, 52.672

43, 87.926, 52.672

93, 87.926, 52.672

33, 87.926, 52.672

23, 87.926, 52.672

13, 87.926, 52.672

3, 87.926, 52.672

0, 87.926, 52.672

63, 87.926, 52.672

63, 87.926, 52.672

62, 90.616, 51.681

66, 80.143, 54.602

69, 70.263, 55.781

73, 59.671, 56.657

76, 49.144, 57.460

80, 39.036, 58.283

84, 29.483, 59.152

89, 20.518, 60.068

93, 12.123, 61.012

97, 4.255, 61.916

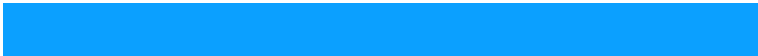
Harmonies

Complementary

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



63, 87.926, 52.672



64, 56.511, 269.755

Rectangle

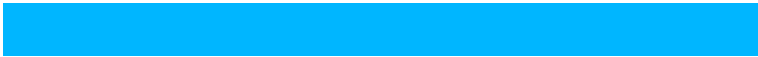
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 87.926, 52.672



63, 87.926, 102.672



63, 87.926, 232.672



63, 87.926, 282.672

Sweetspot

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



63, 87.923, 52.674



87, 23.420, 59.761



56, 87.715, 350.861



45, 16.304, 59.371



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, 87.923, 52.674



62, 90.620, 51.681



90, 88.657, 94.937



51, 4.305, 61.590



47, 72.564, 52.352



14, 27.553, 51.242

Inverse Universe

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



64, 56.511, 269.755



62, 58.578, 271.945



36, 123.974, 304.276



51, 4.138, 243.725



48, 46.543, 270.988



14, 19.555, 263.762

Previews

White Background



This preview shows how the CIELCh color 63, 87.926, 52.672 looks on a white background.

Color Contrast Check

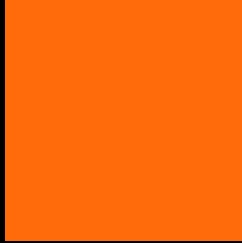
Large Text (above 18pt) WCAG AA × Fail

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, 87.926, 52.672 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, 87.926, 52.672

Background



This preview shows how black text looks on a background with the CIELCh color 63, 87.926, 52.672.



This preview shows how white text looks on a background with the CIELCh color 63, 87.926, 52.672.

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, 87.926, 52.672

Protanopia

63, 61.995, 95.200

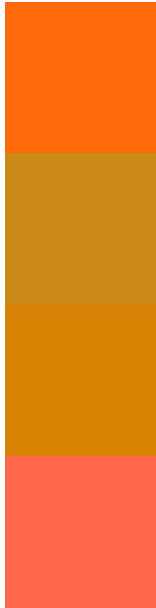
Deuteranopia

63, 67.996, 83.464



Tritanopia
63, 65.155, 25.080

Trichromacy



Original Color
63, 87.926, 52.672

Protanomaly
62, 65.839, 75.088

Deuteranomaly
62, 72.465, 69.418

Tritanomaly
63, 73.005, 39.702

Monochromacy



Original Color
63, 87.926, 52.672

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 31.994, 58.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 87.926, 52.672 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, 106, 11)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 11)  
}
```

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, 106, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 87.926, 52.672 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, 106, 11) }
```

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

```
.border{ border-color:rgb(255, 106, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 106, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 11);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 87.926, 52.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 11) }
```

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

```
.background{ background-color: rgb(255,  
106, 11) }
```

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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