

Converting Colors

CIELCh(63, 88.408, 51.923)

Have a look what the booklet for
CIELCh(63, 88.408, 51.923) contains.

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Color

CIELCh(63, 87.847, 52.251)

Conversions

Conversions Part 1

Format	Color
Hex	FF690E
RGB	255, 105, 14
RGB Percent	100%, 41%, 5%
CMY	0.0000, 0.5865, 0.9460
CMYK	0.00, 0.59, 0.95, 0.00
HSL	23°, 100%, 53%
HSV	23°, 95%, 100%
XYZ	46.6123, 31.5869, 4.0472
YIQ	139.4760, 118.6110, 3.4990

Conversions

Conversions Part 2

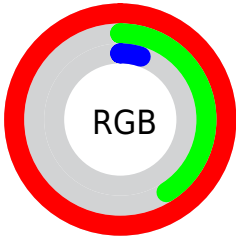
Format	Color
R _Y B	255, 160, 14
Decimal	16738574
CIE Lab	63.00, 53.78, 69.46
CIE LCh	63, 87.847, 52.251
Yxy	31.5869, 0.5667, 0.3841
Android (android.graphics.Color)	4294928654 (0xFFFF690E)
YUV	139.4760, -61.8597, 101.3145
Hunter-Lab	56.2022, 49.6881, 35.0721

Details

The CIELCh color **63, 87.847, 52.251** 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 **65, 55.019, 267.827**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 64.029, 63.708**, and **43, 77.504, 45.505** is the 20% darker color. If you saturate the color by 10%, you get **61, 91.097, 51.100**, and if you desaturate by 10%, it is **66, 79.446, 54.053**.

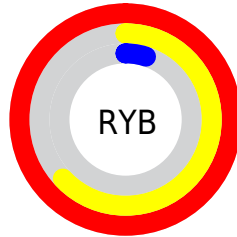
Distribution



Red (100%)

Green (41%)

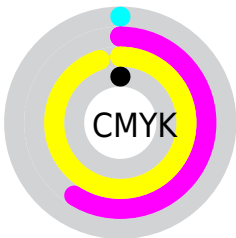
Blue (5%)



Red (100%)

Yellow (63%)

Blue (5%)

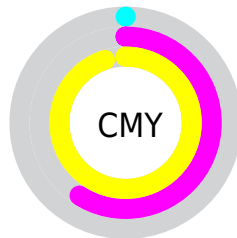


Cyan (0%)

Magenta (59%)

Yellow (95%)

Black (0%)



Cyan (0%)

Magenta (59%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 87.847, 52.251 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, 87.847, 52.251 by changing the saturation by 10% instead.

 63, 87.847, 52.251

 63, 87.847, 52.251

 100, 87.847,
52.251

 53, 87.847, 52.251

 83, 87.847, 52.251

 43, 87.847, 52.251

 93, 87.847, 52.251

 33, 87.847, 52.251

 23, 87.847, 52.251

 13, 87.847, 52.251

 3, 87.847, 52.251

 0, 87.847, 52.251

 63, 87.847, 52.251

 63, 87.847, 52.251

 61, 91.097, 51.100

 66, 79.446, 54.053

69, 69.327, 55.103

73, 58.633, 55.892

77, 48.080, 56.632

81, 37.986, 57.405

85, 28.472, 58.234

89, 19.558, 59.113

93, 11.222, 60.022

98, 3.419, 60.867

Harmonies

Complementary

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



63, 87.847, 52.251



65, 55.019, 267.827

Rectangle

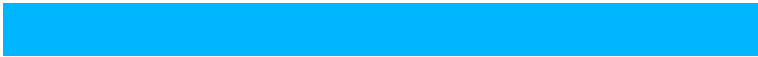
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 87.847, 52.251



63, 87.847, 102.251



63, 87.847, 232.251



63, 87.847, 282.251

Sweetspot

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



63, 87.651, 52.314



88, 22.521, 58.809



56, 88.447, 349.222



45, 15.781, 58.431



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, 87.651, 52.314



61, 91.097, 51.100



89, 87.586, 93.771



51, 4.296, 60.480



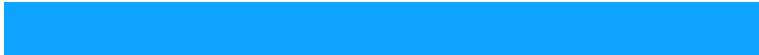
47, 72.937, 51.762



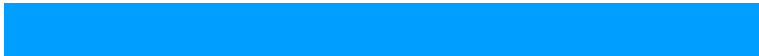
14, 27.638, 50.411

Inverse Universe

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



65, 55.019, 267.827



63, 57.473, 270.599



36, 121.203, 303.659



51, 4.124, 242.562



48, 45.686, 269.636



15, 19.263, 262.386

Previews

White Background



This preview shows how the CIELCh color 63, 87.847, 52.251 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, 87.847, 52.251 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, 87.847, 52.251

Background



This preview shows how black text looks on a background with the CIELCh color 63, 87.847, 52.251.



This preview shows how white text looks on a background with the CIELCh color 63, 87.847, 52.251.

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, 87.703, 52.170

Protanopia

63, 61.454, 95.191

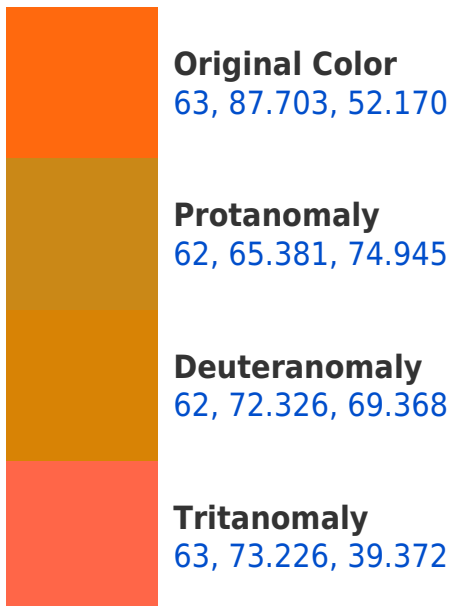
Deuteranopia

63, 67.996, 83.464

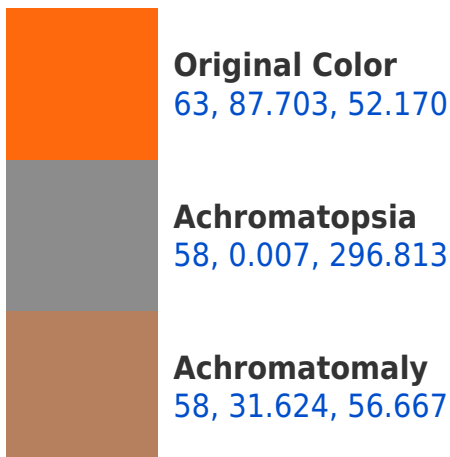


Tritanopia
63, 65.624, 25.210

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 87.847, 52.251 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, 105, 14)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 14)  
}
```

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, 105, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 87.847, 52.251 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, 105, 14) }
```

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

```
.border{ border-color:rgb(255, 105, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 105, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 14);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 87.847, 52.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 14) }
```

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

```
.background{ background-color: rgb(255,  
105, 14) }
```

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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