

Converting Colors

CIELCh(63, 86.946, 52.140)

Have a look what the booklet for
CIELCh(63, 86.946, 52.140) contains.

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Color

CIELCh(63, 87.047, 52.183)

Conversions

Conversions Part 1

Format	Color
Hex	FF6A11
RGB	255, 106, 17
RGB Percent	100%, 42%, 7%
CMY	0.0002, 0.5845, 0.9336
CMYK	0.00, 0.58, 0.93, 0.00
HSL	22°, 100%, 53%
HSV	22°, 93%, 100%
XYZ	46.4677, 31.5869, 4.1751
YIQ	140.4050, 117.3730, 3.9090

Conversions

Conversions Part 2

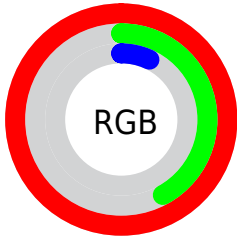
Format	Color
RYB	255, 159, 17
Decimal	16738833
CIELab	63.00, 53.37, 68.76
CIELCh	63, 87.047, 52.183
Yxy	31.5869, 0.5651, 0.3841
Android (android.graphics.Color)	4294928913 (0xFFFF6A11)
YUV	140.4050, -60.8387, 100.4998
Hunter-Lab	56.2022, 49.2289, 34.9371

Details

The CIELCh color **63, 87.047, 52.183** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **65, 53.855, 266.280**, and the grayscale version is **59, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 63.633, 64.005**, and **43, 77.301, 45.720** is the 20% darker color. If you saturate the color by 10%, you get **61, 91.390, 50.733**, and if you desaturate by 10%, it is **66, 78.439, 53.754**.

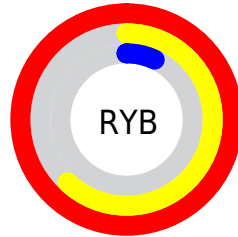
Distribution



Red (100%)

Green (42%)

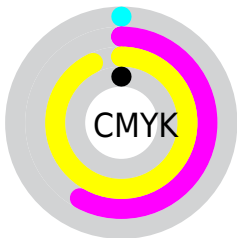
Blue (7%)



Red (100%)

Yellow (62%)

Blue (7%)

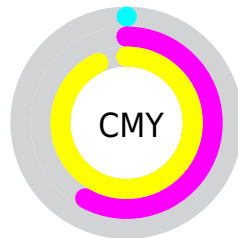


Cyan (0%)

Magenta (58%)

Yellow (93%)

Black (0%)



Cyan (0%)

Magenta (58%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 87.047, 52.183 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, 87.047, 52.183 by changing the saturation by 10% instead.

 63, 87.047, 52.183

 63, 87.047, 52.183

 100, 87.047,
52.183

 53, 87.047, 52.183

 83, 87.047, 52.183

 43, 87.047, 52.183

 93, 87.047, 52.183

 33, 87.047, 52.183

 23, 87.047, 52.183

 13, 87.047, 52.183

 3, 87.047, 52.183

 0, 87.047, 52.183

 63, 87.047, 52.183

 63, 87.047, 52.183

 61, 91.390, 50.733

 66, 78.439, 53.754

69, 68.126, 54.701

73, 57.372, 55.430

77, 46.829, 56.131

81, 36.780, 56.875

85, 27.326, 57.680

89, 18.479, 58.537

94, 10.214, 59.424

98, 2.481, 60.193

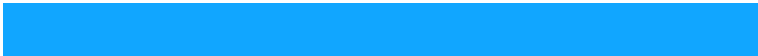
Harmonies

Complementary

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



63, 87.047, 52.183



65, 53.855, 266.280

Rectangle

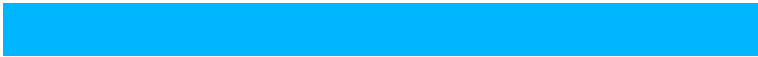
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 87.047, 52.183



63, 87.047, 102.183



63, 87.047, 232.183



63, 87.047, 282.183

Sweetspot

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



63, 87.044, 52.185



87, 22.515, 58.134



57, 88.373, 348.897



45, 15.780, 57.767



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, 87.044, 52.185



61, 91.407, 50.733



89, 87.332, 93.900



51, 4.291, 59.760



47, 73.180, 51.389



14, 27.696, 49.881

Inverse Universe

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



65, 53.855, 266.280



64, 56.776, 269.707



37, 119.885, 303.397



51, 4.116, 241.807



48, 45.146, 268.739



15, 19.081, 261.479

Previews

White Background



This preview shows how the CIELCh color 63, 87.047, 52.183 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, 87.047, 52.183 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, 87.047, 52.183

Background



This preview shows how black text looks on a background with the CIELCh color 63, 87.047, 52.183.



This preview shows how white text looks on a background with the CIELCh color 63, 87.047, 52.183.

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, 87.047, 52.183

Protanopia

63, 60.885, 95.180

Deuteranopia

63, 67.996, 83.464



Tritanopia
63, 65.155, 25.080

Trichromacy



Original Color
63, 87.047, 52.183

Protanomaly
62, 64.642, 74.709

Deuteranomaly
62, 72.187, 69.317

Tritanomaly
63, 72.427, 39.035

Monochromacy



Original Color
63, 87.047, 52.183

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 31.194, 57.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 87.047, 52.183 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, 17)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 17)  
}
```

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, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 87.047, 52.183 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, 17) }
```

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

```
.border{ border-color:rgb(255, 106, 17) }
```

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, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 17);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 87.047, 52.183 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, 17) }
```

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

```
.background{ background-color: rgb(255,  
106, 17) }
```

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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