

Converting Colors

CIELCh(63, 86.352, 52.018)

Have a look what the booklet for
CIELCh(63, 86.352, 52.018) contains.

CIELCh(63, 86.525, 51.885)	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, 86.525, 51.885)

Conversions

Conversions Part 1

Format	Color
Hex	FF6A14
RGB	255, 106, 20
RGB Percent	100%, 42%, 8%
CMY	0.0003, 0.5846, 0.9219
CMYK	0.00, 0.58, 0.92, 0.00
HSL	22°, 100%, 54%
HSV	22°, 92%, 100%
XYZ	46.4800, 31.5869, 4.3044
YIQ	140.7470, 116.4100, 4.8420

Conversions

Conversions Part 2

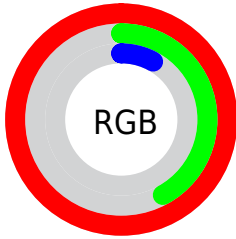
Format	Color
R_{YB}	255, 156, 20
Decimal	16738836
CIE _{Lab}	63.00, 53.41, 68.08
CIE _{LCh}	63, 86.525, 51.885
Yxy	31.5869, 0.5643, 0.3835
Android (android.graphics.Color)	4294928916 (0xFFFF6A14)
YUV	140.7470, -59.5283, 100.1999
Hunter-Lab	56.2022, 49.2679, 34.8007

Details

The CIELCh color **63, 86.525, 51.885** 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 **66, 52.594, 264.455**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **74, 62.873, 63.565**, and **43, 77.301, 45.720** is the 20% darker color. If you saturate the color by 10%, you get **61, 91.796, 50.257**, and if you desaturate by 10%, it is **66, 77.538, 53.282**.

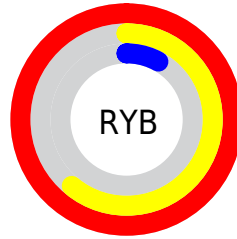
Distribution



Red (100%)

Green (42%)

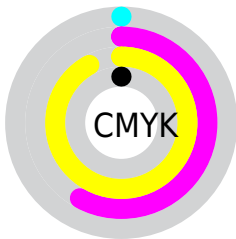
Blue (8%)



Red (100%)

Yellow (61%)

Blue (8%)

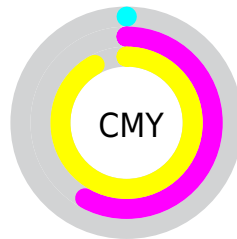


Cyan (0%)

Magenta (58%)

Yellow (92%)

Black (0%)



Cyan (0%)

Magenta (58%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 86.525, 51.885 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, 86.525, 51.885 by changing the saturation by 10% instead.

63, 86.525, 51.885

63, 86.525, 51.885

100, 86.525,
51.885

53, 86.525, 51.885

83, 86.525, 51.885

43, 86.525, 51.885

93, 86.525, 51.885

33, 86.525, 51.885

23, 86.525, 51.885

13, 86.525, 51.885

3, 86.525, 51.885

0, 86.525, 51.885

63, 86.525, 51.885

63, 86.525, 51.885

61, 91.796, 50.257

66, 77.538, 53.282

69, 67.040, 54.117

73, 56.223, 54.773

77, 45.682, 55.423

81, 35.666, 56.127

85, 26.262, 56.897

90, 17.475, 57.724

94, 9.273, 58.578

99, 1.607, 59.203

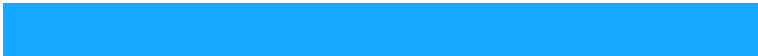
Harmonies

Complementary

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



63, 86.525, 51.885



66, 52.594, 264.455

Rectangle

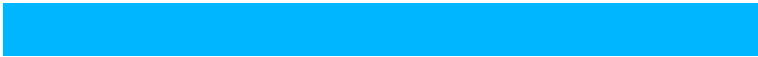
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 86.525, 51.885



63, 86.525, 101.885



63, 86.525, 231.885



63, 86.525, 281.885

Sweetspot

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



63, 86.522, 51.887



87, 22.512, 57.238



57, 89.087, 347.346



45, 15.781, 56.887



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, 86.522, 51.887



61, 91.820, 50.257



88, 86.203, 92.752



51, 4.286, 58.804



46, 73.505, 50.906



14, 27.775, 49.187

Inverse Universe

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



66, 52.594, 264.455



64, 55.874, 268.496



38, 116.683, 302.654



51, 4.106, 240.801



49, 44.447, 267.524



15, 18.847, 260.256

Previews

White Background



This preview shows how the CIELCh color 63, 86.525, 51.885 looks on a white background.

Color Contrast Check

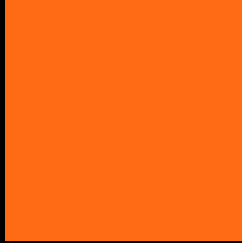
Large Text (above 18pt) WCAG AA × Fail

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, 86.525, 51.885 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, 86.525, 51.885

Background



This preview shows how black text looks on a background with the CIELCh color 63, 86.525, 51.885.



This preview shows how white text looks on a background with the CIELCh color 63, 86.525, 51.885.

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, 86.525, 51.885

Protanopia

63, 60.290, 95.167

Deuteranopia

63, 67.996, 83.464



Tritanopia
63, 65.155, 25.080

Trichromacy



Original Color
63, 86.525, 51.885

Protanomaly
62, 64.115, 74.537

Deuteranomaly
62, 72.049, 69.267

Tritanomaly
63, 72.141, 38.696

Monochromacy



Original Color
63, 86.525, 51.885

Achromatopsia
59, 0.008, 296.813

Achromatomaly
58, 30.412, 55.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 86.525, 51.885 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, 20)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 20)  
}
```

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, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 86.525, 51.885 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, 20) }
```

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

```
.border{ border-color:rgb(255, 106, 20) }
```

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, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 20);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 86.525, 51.885 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, 20) }
```

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

```
.background{ background-color: rgb(255,  
106, 20) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor