

Converting Colors

CIELCh(64, 83.844, 52.288)

Have a look what the booklet for
CIELCh(64, 83.844, 52.288) contains.

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Color

CIELCh(64, 83.751, 52.258)

Conversions

Conversions Part 1

Format	Color
Hex	FF6F1D
RGB	255, 111, 29
RGB Percent	100%, 44%, 11%
CMY	0.0000, 0.5639, 0.8854
CMYK	0.00, 0.56, 0.89, 0.00
HSL	22°, 100%, 56%
HSV	22°, 89%, 100%
XYZ	47.2517, 32.8017, 5.0174
YIQ	144.7080, 112.1460, 5.0260

Conversions

Conversions Part 2

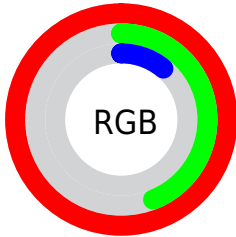
Format	Color
RYB	255, 158, 29
Decimal	16740125
CIELab	64.00, 51.26, 66.23
CIELCh	64, 83.751, 52.258
Yxy	32.8017, 0.5554, 0.3856
Android (android.graphics.Color)	4294930205 (0xFFFF6F1D)
YUV	144.7080, -57.0440, 96.7261
Hunter-Lab	57.2727, 47.0403, 34.8968

Details

The CIELCh color **64, 83.751, 52.258** 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 **68, 50.848, 262.140**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 60.520, 64.868**, and **44, 75.837, 47.362** is the 20% darker color. If you saturate the color by 10%, you get **61, 91.005, 50.354**, and if you desaturate by 10%, it is **67, 73.909, 53.389**.

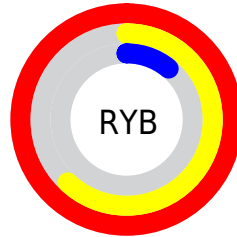
Distribution



Red (100%)

Green (44%)

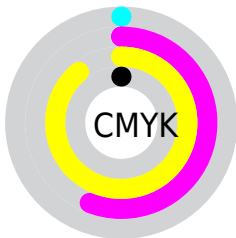
Blue (11%)



Red (100%)

Yellow (62%)

Blue (11%)

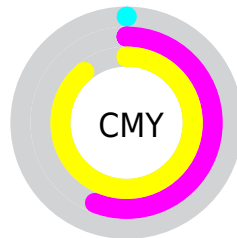


Cyan (0%)

Magenta (56%)

Yellow (89%)

Black (0%)



Cyan (0%)

Magenta (56%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 83.751, 52.258 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 64, 83.751, 52.258 by changing the saturation by 10% instead.

64, 83.751, 52.258

64, 83.751, 52.258

100, 83.751,
52.258

54, 83.751, 52.258

84, 83.751, 52.258

44, 83.751, 52.258

94, 83.751, 52.258

34, 83.751, 52.258

24, 83.751, 52.258

14, 83.751, 52.258

4, 83.751, 52.258

0, 83.751, 52.258

64, 83.751, 52.258

64, 83.751, 52.258

61, 91.005, 50.354

67, 73.909, 53.389

61, 91.977, 50.080

71, 63.163, 54.102

74, 52.376, 54.721

78, 41.989, 55.367

83, 32.178, 56.079

87, 22.992, 56.856

92, 14.418, 57.684

96, 6.416, 58.520

100, 0.012,
296.813

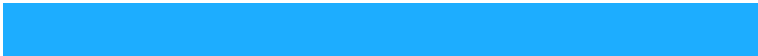
Harmonies

Complementary

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



64, 83.751, 52.258



68, 50.848, 262.140

Rectangle

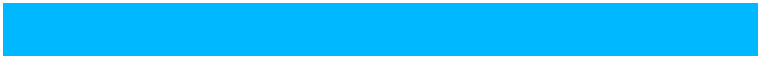
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 83.751, 52.258



64, 83.751, 102.258



64, 83.751, 232.258



64, 83.751, 282.258

Sweetspot

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



64, 83.666, 52.287



88, 21.631, 56.981



57, 88.602, 346.525



45, 14.754, 56.706



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64, 83.666, 52.287



61, 91.977, 50.080



89, 85.122, 93.167



51, 4.285, 58.442



46, 73.628, 50.726



14, 27.806, 48.927

Inverse Universe

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



68, 50.848, 262.140



64, 55.539, 268.031



40, 112.418, 301.758



51, 4.103, 240.421



49, 44.188, 267.058



15, 18.760, 259.788

Previews

White Background



This preview shows how the CIELCh color 64, 83.751, 52.258 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 64, 83.751, 52.258 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 64, 83.751, 52.258

Background



This preview shows how black text looks on a background with the CIELCh color 64, 83.751, 52.258.



This preview shows how white text looks on a background with the CIELCh color 64, 83.751, 52.258.

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

64, 83.751, 52.258

Protanopia

64, 58.721, 95.702

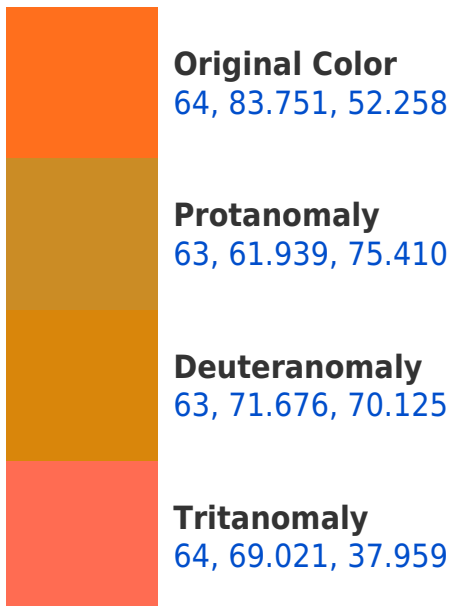
Deuteranopia

64, 68.750, 83.322



Tritanopia
64, 62.808, 24.437

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 83.751, 52.258 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, 111, 29)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 29)  
}
```

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, 111, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 83.751, 52.258 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, 111, 29) }
```

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

```
.border{ border-color:rgb(255, 111, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 111, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 29);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 83.751, 52.258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 111, 29) }
```

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

```
.background{ background-color: rgb(255,  
111, 29) }
```

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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