

Converting Colors

CIELCh(64, 83.161, 50.961)

Have a look what the booklet for
CIELCh(64, 83.161, 50.961) contains.

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Color

CIELCh(64, 82.720, 51.214)

Conversions

Conversions Part 1

Format	Color
Hex	FF6F23
RGB	255, 111, 35
RGB Percent	100%, 44%, 14%
CMY	0.0000, 0.5662, 0.8641
CMYK	0.00, 0.57, 0.86, 0.00
HSL	21°, 100%, 57%
HSV	21°, 86%, 100%
XYZ	47.4496, 32.8017, 5.3935
YIQ	145.3920, 110.2200, 6.8920

Conversions

Conversions Part 2

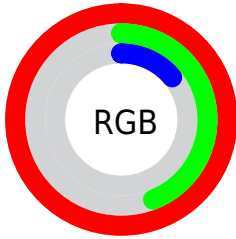
Format	Color
R _Y B	255, 151, 35
Decimal	16740131
CIE Lab	64.00, 51.82, 64.48
CIE LCh	64, 82.720, 51.214
Yxy	32.8017, 0.5540, 0.3830
Android (android.graphics.Color)	4294930211 (0xFFFF6F23)
YUV	145.3920, -54.4233, 96.1262
Hunter-Lab	57.2727, 47.6573, 34.5074

Details

The CIELCh color **64, 82.720, 51.214** 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 **69, 48.588, 258.160**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 58.948, 63.904**, and **44, 75.837, 47.362** is the 20% darker color. If you saturate the color by 10%, you get **61, 90.522, 49.706**, and if you desaturate by 10%, it is **67, 72.166, 52.105**.

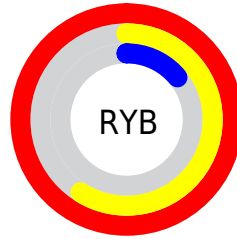
Distribution



Red (100%)

Green (44%)

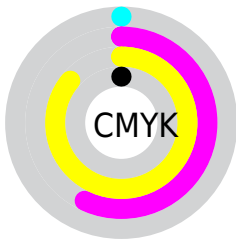
Blue (14%)



Red (100%)

Yellow (59%)

Blue (14%)

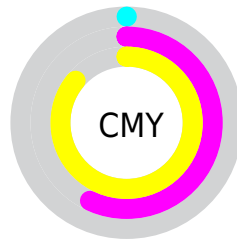


Cyan (0%)

Magenta (57%)

Yellow (86%)

Black (0%)



Cyan (0%)

Magenta (57%)

Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 82.720, 51.214 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, 82.720, 51.214 by changing the saturation by 10% instead.

 64, 82.720, 51.214

 64, 82.720, 51.214

 100, 82.720,
51.214

 54, 82.720, 51.214

 84, 82.720, 51.214

 44, 82.720, 51.214

 94, 82.720, 51.214

 34, 82.720, 51.214

 24, 82.720, 51.214

 14, 82.720, 51.214

 4, 82.720, 51.214

 0, 82.720, 51.214

 64, 82.720, 51.214

 64, 82.720, 51.214

 61, 90.522, 49.706

 67, 72.166, 52.105

60, 92.931, 49.043

71, 61.192, 52.622

75, 50.340, 53.102

79, 39.972, 53.639

83, 30.225, 54.260

88, 21.128, 54.957

92, 12.659, 55.710

97, 4.771, 56.454

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, 82.720, 51.214



69, 48.588, 258.160

Rectangle

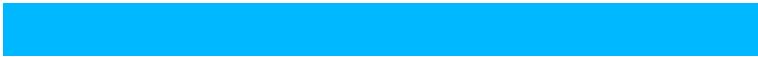
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 82.720, 51.214



64, 82.720, 101.214



64, 82.720, 231.214



64, 82.720, 281.214

Sweetspot

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



64, 82.444, 51.300



88, 20.769, 54.988



58, 88.989, 344.939



45, 14.259, 54.737



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, 82.444, 51.300



60, 92.931, 49.043



88, 83.465, 92.172



51, 4.279, 56.237



46, 74.381, 49.669



14, 28.006, 47.376

Inverse Universe

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



69, 48.588, 258.160



66, 53.584, 265.099



41, 107.686, 300.610



51, 4.087, 238.093



50, 42.677, 264.120



16, 18.262, 256.864

Previews

White Background



This preview shows how the CIELCh color 64, 82.720, 51.214 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, 82.720, 51.214 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, 82.720, 51.214

Background



This preview shows how black text looks on a background with the CIELCh color 64, 82.720, 51.214.



This preview shows how white text looks on a background with the CIELCh color 64, 82.720, 51.214.

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, 82.287, 51.364

Protanopia

64, 56.916, 95.658

Deuteranopia

64, 68.050, 83.204



Tritanopia
64, 62.808, 24.437

Trichromacy



Original Color
64, 82.287, 51.364

Protanomaly
63, 60.201, 74.274

Deuteranomaly
63, 70.886, 69.842

Tritanomaly
64, 68.467, 37.217

Monochromacy



Original Color
64, 82.287, 51.364

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 28.320, 53.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 82.720, 51.214 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, 35)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 35)  
}
```

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, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 82.720, 51.214 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, 35) }
```

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

```
.border{ border-color:rgb(255, 111, 35) }
```

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, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 35);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 82.720, 51.214 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, 35) }
```

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

```
.background{ background-color: rgb(255,  
111, 35) }
```

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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