

Converting Colors

CIELCh(64, 81.204, 50.382)

Have a look what the booklet for
CIELCh(64, 81.204, 50.382) contains.

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Color

CIELCh(64, 80.956, 50.505)

Conversions

Conversions Part 1

Format	Color
Hex	FF6F28
RGB	255, 111, 40
RGB Percent	100%, 44%, 16%
CMY	0.0000, 0.5645, 0.8430
CMYK	0.00, 0.56, 0.84, 0.00
HSL	20°, 100%, 58%
HSV	20°, 84%, 100%
XYZ	47.3320, 32.8017, 5.8479
YIQ	145.9620, 108.6150, 8.4470

Conversions

Conversions Part 2

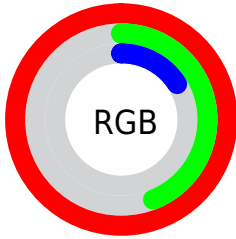
Format	Color
R _Y B	255, 146, 40
Decimal	16740136
CIE Lab	64.00, 51.49, 62.47
CIE LCh	64, 80.956, 50.505
Yxy	32.8017, 0.5505, 0.3815
Android (android.graphics.Color)	4294930216 (0xFFFF6F28)
YUV	145.9620, -52.2393, 95.6263
Hunter-Lab	57.2727, 47.2907, 34.0370

Details

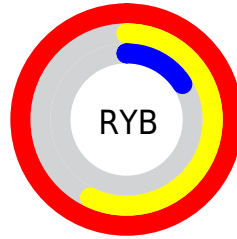
The CIELCh color **64, 80.956, 50.505** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **71, 46.854, 254.767**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 57.372, 62.862**, and **44, 76.050, 47.112** is the 20% darker color. If you saturate the color by 10%, you get **61, 89.773, 49.285**, and if you desaturate by 10%, it is **67, 70.265, 51.081**.

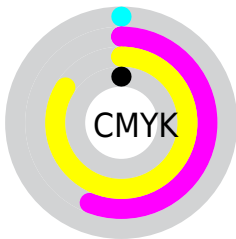
Distribution



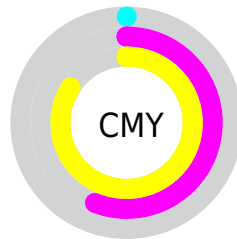
- Red (100%)
- Green (44%)
- Blue (16%)



- Red (100%)
- Yellow (57%)
- Blue (16%)



- Cyan (0%)
- Magenta (56%)
- Yellow (84%)
- Black (0%)



- Cyan (0%)
- Magenta (56%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 80.956, 50.505 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, 80.956, 50.505 by changing the saturation by 10% instead.

 64, 80.956, 50.505

 64, 80.956, 50.505

 100, 80.956,
50.505

 54, 80.956, 50.505

 84, 80.956, 50.505

 44, 80.956, 50.505

 94, 80.956, 50.505

 34, 80.956, 50.505

 24, 80.956, 50.505

 14, 80.956, 50.505

 4, 80.956, 50.505

 0, 80.956, 50.505

 64, 80.956, 50.505

 64, 80.956, 50.505

 61, 89.773, 49.285

 67, 70.265, 51.081

60, 93.682, 48.273

71, 59.152, 51.449

75, 48.289, 51.824

79, 37.973, 52.282

84, 28.309, 52.836

88, 19.311, 53.473

93, 10.949, 54.166

98, 3.171, 54.802

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, 80.956, 50.505



71, 46.854, 254.767

Rectangle

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



64, 80.956, 50.505



64, 80.956, 100.505



64, 80.956, 230.505



64, 80.956, 280.505

Sweetspot

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



64, 80.934, 50.513



88, 19.923, 53.426



58, 89.280, 343.463



45, 13.774, 53.195



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, 80.934, 50.513



60, 93.682, 48.273



87, 81.707, 91.184



51, 4.278, 54.500



45, 74.975, 48.881



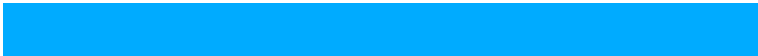
13, 28.174, 46.195

Inverse Universe

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



71, 46.854, 254.767



67, 52.147, 262.673



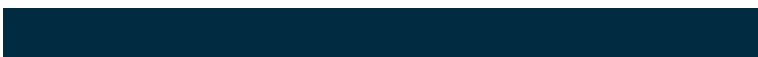
43, 102.854, 299.368



51, 4.079, 236.253



51, 41.569, 261.694



16, 17.903, 254.479

Previews

White Background



This preview shows how the CIELCh color 64, 80.956, 50.505 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, 80.956, 50.505 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, 80.956, 50.505

Background



This preview shows how black text looks on a background with the CIELCh color 64, 80.956, 50.505.



This preview shows how white text looks on a background with the CIELCh color 64, 80.956, 50.505.

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, 80.956, 50.505

Protanopia

64, 54.982, 95.595

Deuteranopia

64, 65.213, 82.686



Tritanopia
64, 62.653, 23.958

Trichromacy



Original Color
64, 80.956, 50.505

Protanomaly
63, 58.484, 74.160

Deuteranomaly
63, 68.024, 68.741

Tritanomaly
64, 67.924, 36.458

Monochromacy



Original Color
64, 80.956, 50.505

Achromatopsia
61, 0.008, 296.813

Achromatomaly
60, 27.910, 52.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 80.956, 50.505 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 80.956, 50.505 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, 40) }
```

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

```
.border{ border-color:rgb(255, 111, 40) }
```

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, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 40);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 80.956, 50.505 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, 40) }
```

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

```
.background{ background-color: rgb(255,  
111, 40) }
```

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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