

Converting Colors

CIELCh(64, 80.399, 50.132)

Have a look what the booklet for
CIELCh(64, 80.399, 50.132) contains.

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Color

CIELCh(64, 80.399, 50.132)

Conversions

Conversions Part 1

Format	Color
Hex	FF6F2A
RGB	255, 111, 42
RGB Percent	100%, 44%, 16%
CMY	0.0000, 0.5646, 0.8352
CMYK	0.00, 0.56, 0.84, 0.00
HSL	19°, 100%, 58%
HSV	19°, 84%, 100%
XYZ	47.3494, 32.8017, 6.0274
YIQ	146.1900, 107.9730, 9.0690

Conversions

Conversions Part 2

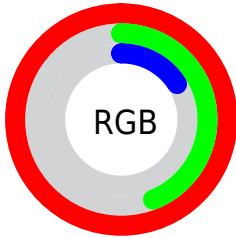
Format	Color
R_{YB}	255, 144, 42
Decimal	16740138
CIE _{Lab}	64.00, 51.54, 61.71
CIE _{LCh}	64, 80.399, 50.132
Yxy	32.8017, 0.5494, 0.3806
Android (android.graphics.Color)	4294930218 (0xFFFF6F2A)
YUV	146.1900, -51.3657, 95.4264
Hunter-Lab	57.2727, 47.3449, 33.8513

Details

The CIELCh color **64, 80.399, 50.132** 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, 46.203, 253.339**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 56.584, 62.310**, and **44, 76.050, 47.112** is the 20% darker color. If you saturate the color by 10%, you get **61, 89.497, 49.049**, and if you desaturate by 10%, it is **67, 69.589, 50.612**.

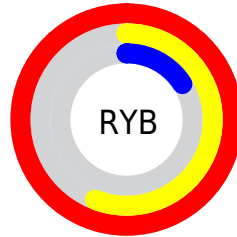
Distribution



Red (100%)

Green (44%)

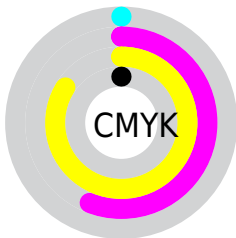
Blue (16%)



Red (100%)

Yellow (56%)

Blue (16%)

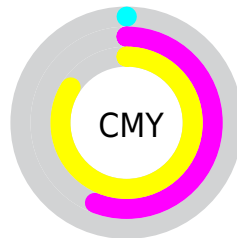


Cyan (0%)

Magenta (56%)

Yellow (84%)

Black (0%)



Cyan (0%)

Magenta (56%)

Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 80.399, 50.132 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, 80.399, 50.132 by changing the saturation by 10% instead.

 64, 80.399, 50.132

 64, 80.399, 50.132

 100, 80.399,
50.132

 54, 80.399, 50.132

 84, 80.399, 50.132

 44, 80.399, 50.132

 94, 80.399, 50.132

 34, 80.399, 50.132

 24, 80.399, 50.132

 14, 80.399, 50.132

 4, 80.399, 50.132

 0, 80.399, 50.132

 64, 80.399, 50.132

 64, 80.399, 50.132

 61, 89.497, 49.049

 67, 69.589, 50.612

59, 94.011, 47.946

71, 58.428, 50.917

75, 47.560, 51.248

80, 37.259, 51.670

84, 27.622, 52.193

89, 18.658, 52.802

93, 10.332, 53.468

98, 2.593, 54.041

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, 80.399, 50.132



71, 46.203, 253.339

Rectangle

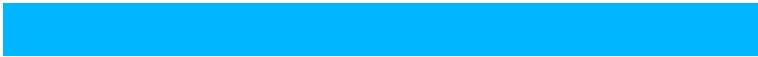
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 80.399, 50.132



64, 80.399, 100.132



64, 80.399, 230.132



64, 80.399, 280.132

Sweetspot

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



64, 80.391, 50.136



88, 19.940, 52.708



59, 89.027, 343.331



45, 13.787, 52.489



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, 80.391, 50.136



59, 94.011, 47.946



87, 81.319, 91.285



51, 4.280, 53.737



45, 75.237, 48.547



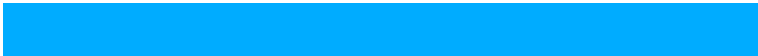
13, 28.251, 45.686

Inverse Universe

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



71, 46.203, 253.339



67, 51.545, 261.573



44, 101.857, 299.143



51, 4.076, 235.442



51, 41.105, 260.594



16, 17.755, 253.407

Previews

White Background



This preview shows how the CIELCh color 64, 80.399, 50.132 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, 80.399, 50.132 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, 80.399, 50.132

Background



This preview shows how black text looks on a background with the CIELCh color 64, 80.399, 50.132.



This preview shows how white text looks on a background with the CIELCh color 64, 80.399, 50.132.

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, 80.399, 50.132

Protanopia

64, 53.765, 95.548

Deuteranopia

64, 64.263, 82.498



Tritanopia
64, 62.653, 23.958

Trichromacy



Original Color
64, 80.399, 50.132

Protanomaly
63, 57.360, 73.710

Deuteranomaly
63, 67.210, 68.405

Tritanomaly
64, 67.657, 36.072

Monochromacy



Original Color
64, 80.399, 50.132

Achromatopsia
61, 0.008, 296.813

Achromatomaly
60, 27.557, 51.423

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 80.399, 50.132 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 80.399, 50.132 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, 42) }
```

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

```
.border{ border-color:rgb(255, 111, 42) }
```

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, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 42);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 80.399, 50.132 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, 42) }
```

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

```
.background{ background-color: rgb(255,  
111, 42) }
```

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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