

Converting Colors

CIELCh(73, 96.644, 42.630)

Have a look what the booklet for
CIELCh(73, 96.644, 42.630) contains.

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Color

CIELCh(64, 75.001, 46.013)

Conversions

Conversions Part 1

Format	Color
Hex	FF6F3C
RGB	255, 111, 60
RGB Percent	100%, 44%, 24%
CMY	0.0016, 0.5660, 0.7659
CMYK	0.00, 0.57, 0.77, 0.00
HSL	16°, 100%, 62%
HSV	16°, 77%, 100%
XYZ	47.5469, 32.8017, 8.0577
YIQ	148.2420, 102.1950, 14.6670

Conversions

Conversions Part 2

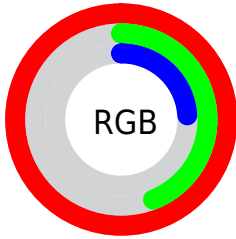
Format	Color
RYB	255, 129, 60
Decimal	16740156
CIELab	64.00, 52.09, 53.96
CIElCh	64, 75.001, 46.013
Yxy	32.8017, 0.5378, 0.3710
Android (android.graphics.Color)	4294930236 (0xFFFF6F3C)
YUV	148.2420, -43.5033, 93.6268
Hunter-Lab	57.2727, 47.9605, 31.7494

Details

The CIELCh color **64, 75.001, 46.013** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **77, 41.467, 239.477**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 50.384, 57.057**, and **44, 74.993, 45.920** is the 20% darker color. If you saturate the color by 10%, you get **61, 85.953, 46.121**, and if you desaturate by 10%, it is **68, 63.403, 45.711**.

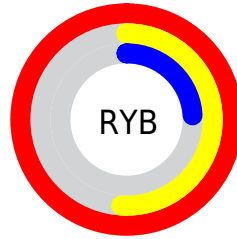
Distribution



Red (100%)

Green (44%)

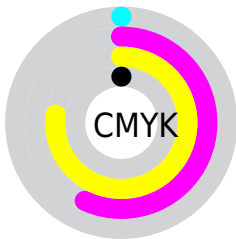
Blue (24%)



Red (100%)

Yellow (51%)

Blue (24%)

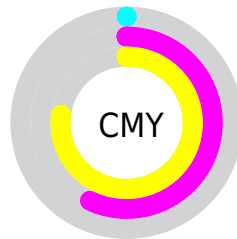


Cyan (0%)

Magenta (57%)

Yellow (77%)

Black (0%)



Cyan (0%)

Magenta (57%)

Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 75.001, 46.013 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, 75.001, 46.013 by changing the saturation by 10% instead.

 64, 75.001, 46.013

 64, 75.001, 46.013

 100, 75.001,
46.013

 54, 75.001, 46.013

 84, 75.001, 46.013

 44, 75.001, 46.013

 94, 75.001, 46.013

 34, 75.001, 46.013

 24, 75.001, 46.013

 14, 75.001, 46.013

 4, 75.001, 46.013

 0, 75.001, 46.013

 64, 75.001, 46.013

 64, 75.001, 46.013

 61, 85.953, 46.121

 68, 63.403, 45.711

58, 94.587, 45.440

72, 52.008, 45.475

57, 97.030, 45.132

76, 41.175, 45.392

81, 31.043, 45.470

86, 21.644, 45.690

91, 12.956, 46.017

96, 4.928, 46.375

100, 0.140,
204.143

Harmonies

Complementary

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



64, 75.001, 46.013



77, 41.467, 239.477

Rectangle

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



64, 75.001, 46.013



64, 75.001, 96.013



64, 75.001, 226.013



64, 75.001, 276.013

Sweetspot

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



64, 74.998, 46.016



88, 18.502, 45.796



61, 89.543, 338.525



45, 12.996, 45.689



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, 74.998, 46.016



59, 91.197, 45.897



85, 74.076, 87.147



50, 4.332, 46.279



43, 77.755, 45.640



12, 29.084, 41.046

Inverse Universe

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



77, 41.467, 239.477



73, 45.152, 245.823



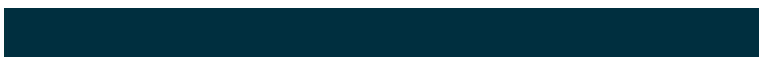
51, 84.482, 293.829



51, 4.098, 227.469



55, 37.381, 248.741



17, 16.629, 242.183

Previews

White Background



This preview shows how the CIELCh color 64, 75.001, 46.013 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, 75.001, 46.013 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, 75.001, 46.013

Background



This preview shows how black text looks on a background with the CIELCh color 64, 75.001, 46.013.



This preview shows how white text looks on a background with the CIELCh color 64, 75.001, 46.013.

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, 75.001, 46.013

Protanopia

64, 45.097, 96.103

Deuteranopia

64, 56.427, 81.619



Tritanopia
64, 62.653, 23.958

Trichromacy



Original Color
64, 75.001, 46.013

Protanomaly
63, 49.753, 70.517

Deuteranomaly
63, 59.920, 64.838

Tritanomaly
64, 65.877, 33.254

Monochromacy



Original Color
64, 75.001, 46.013

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 25.258, 44.643

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 75.001, 46.013 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, 60)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 60)  
}
```

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, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 75.001, 46.013 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, 60) }
```

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

```
.border{ border-color:rgb(255, 111, 60) }
```

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, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 60);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 75.001, 46.013 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, 60) }
```

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

```
.background{ background-color: rgb(255,  
111, 60) }
```

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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