

Converting Colors

CIELCh(64, 76.569, 46.371)

Have a look what the booklet for
CIELCh(64, 76.569, 46.371) contains.

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Color

CIELCh(64, 76.118, 46.454)

Conversions

Conversions Part 1

Format	Color
Hex	FF6E39
RGB	255, 110, 57
RGB Percent	100%, 43%, 22%
CMY	0.0000, 0.5678, 0.7757
CMYK	0.00, 0.57, 0.78, 0.00
HSL	16°, 100%, 61%
HSV	16°, 78%, 100%
XYZ	47.6738, 32.8017, 7.7147
YIQ	147.3130, 103.4330, 14.2570

Conversions

Conversions Part 2

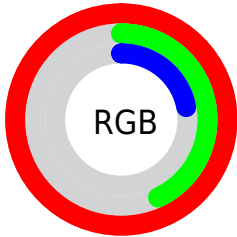
Format	Color
R _Y B	255, 129, 57
Decimal	16739897
CIE Lab	64.00, 52.44, 55.17
CIE LCh	64, 76.118, 46.454
Yxy	32.8017, 0.5406, 0.3719
Android (android.graphics.Color)	4294929977 (0xFFFF6E39)
YUV	147.3130, -44.5243, 94.4415
Hunter-Lab	57.2727, 48.3559, 32.1045

Details

The CIELCh color **64, 76.118, 46.454** 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 **76, 41.974, 241.018**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 51.569, 57.513**, and **44, 76.206, 46.462** is the 20% darker color. If you saturate the color by 10%, you get **61, 86.798, 46.459**, and if you desaturate by 10%, it is **68, 64.465, 46.249**.

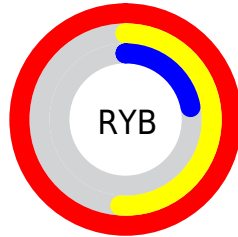
Distribution



Red (100%)

Green (43%)

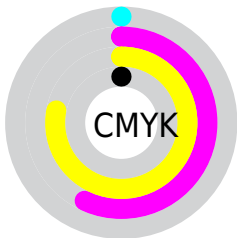
Blue (22%)



Red (100%)

Yellow (51%)

Blue (22%)

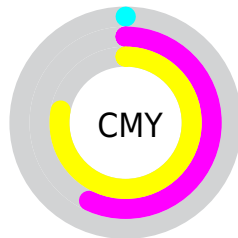


Cyan (0%)

Magenta (57%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (57%)

Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 76.118, 46.454 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, 76.118, 46.454 by changing the saturation by 10% instead.

 64, 76.118, 46.454

 64, 76.118, 46.454

 100, 76.118,
46.454

 54, 76.118, 46.454

 84, 76.118, 46.454

 44, 76.118, 46.454

 94, 76.118, 46.454

 34, 76.118, 46.454

 24, 76.118, 46.454

 14, 76.118, 46.454

 4, 76.118, 46.454

 0, 76.118, 46.454

 64, 76.118, 46.454

 64, 76.118, 46.454

 61, 86.798, 46.459

 68, 64.465, 46.249

58, 95.107, 45.606

72, 53.055, 46.060

57, 96.835, 45.390

76, 42.180, 46.012

81, 31.996, 46.121

86, 22.541, 46.368

91, 13.796, 46.722

96, 5.713, 47.119

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, 76.118, 46.454



76, 41.974, 241.018

Rectangle

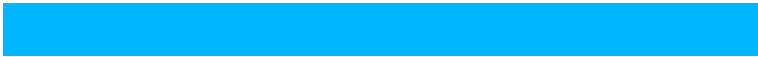
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 76.118, 46.454



64, 76.118, 96.454



64, 76.118, 226.454



64, 76.118, 276.454

Sweetspot

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



64, 76.017, 46.479



88, 18.458, 46.519



60, 89.245, 339.536



45, 12.964, 46.398



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, 76.017, 46.479



59, 91.732, 46.134



86, 75.551, 88.297



50, 4.323, 47.047



44, 77.501, 45.911



13, 28.992, 41.497

Inverse Universe

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



76, 41.974, 241.018



73, 45.671, 247.574



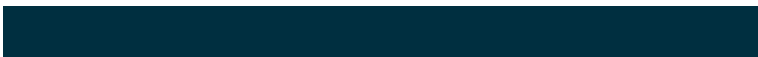
49, 87.891, 295.025



51, 4.092, 228.294



55, 37.693, 250.057



17, 16.717, 243.400

Previews

White Background



This preview shows how the CIELCh color 64, 76.118, 46.454 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, 76.118, 46.454 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, 76.118, 46.454

Background



This preview shows how black text looks on a background with the CIELCh color 64, 76.118, 46.454.



This preview shows how white text looks on a background with the CIELCh color 64, 76.118, 46.454.

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, 76.118, 46.454

Protanopia

64, 46.518, 96.202

Deuteranopia

64, 57.407, 81.346



Tritanopia
64, 62.808, 24.437

Trichromacy



Original Color
64, 76.118, 46.454

Protanomaly
63, 50.954, 70.556

Deuteranomaly
63, 61.022, 65.451

Tritanomaly
64, 66.368, 34.080

Monochromacy



Original Color
64, 76.118, 46.454

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 25.459, 47.111

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 76.118, 46.454 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, 110, 57)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 57)  
}
```

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, 110, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 76.118, 46.454 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, 110, 57) }
```

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

```
.border{ border-color:rgb(255, 110, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 110, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 57);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 76.118, 46.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 57) }
```

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

```
.background{ background-color: rgb(255,  
110, 57) }
```

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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