

Converting Colors

CIELCh(64, 77.186, 48.518)

Have a look what the booklet for
CIELCh(64, 77.186, 48.518) contains.

CIELCh(64, 77.195, 48.686)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(64, 77.195, 48.686)

Conversions

Conversions Part 1

Format	Color
Hex	FE7033
RGB	254, 112, 51
RGB Percent	100%, 44%, 20%
CMY	0.0049, 0.5616, 0.8008
CMYK	0.00, 0.56, 0.80, 0.00
HSL	18°, 99%, 60%
HSV	18°, 80%, 100%
XYZ	47.1438, 32.8017, 6.9554
YIQ	147.5040, 104.2130, 11.1330

Conversions

Conversions Part 2

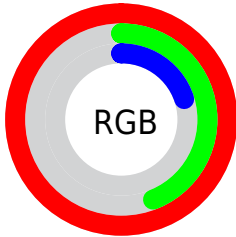
Format	Color
RYB	254, 138, 51
Decimal	16674867
CIELab	64.00, 50.96, 57.98
CIELCh	64, 77.195, 48.686
Yxy	32.8017, 0.5425, 0.3775
Android (android.graphics.Color)	4294864947 (0xFFFE7033)
YUV	147.5040, -47.5765, 93.3970
Hunter-Lab	57.2727, 46.7042, 32.8906

Details

The CIELCh color **64, 77.195, 48.686** 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 **73, 43.678, 247.729**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 53.425, 60.510**, and **44, 75.624, 47.616** is the 20% darker color. If you saturate the color by 10%, you get **61, 87.279, 48.148**, and if you desaturate by 10%, it is **68, 65.999, 48.830**.

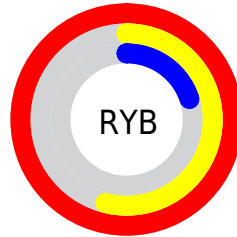
Distribution



Red (100%)

Green (44%)

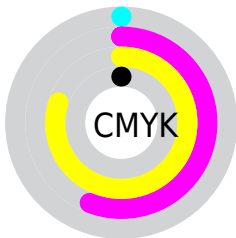
Blue (20%)



Red (100%)

Yellow (54%)

Blue (20%)

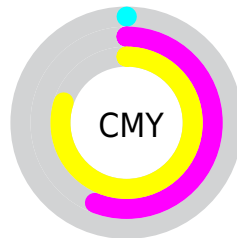


Cyan (0%)

Magenta (56%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (56%)

Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 77.195, 48.686 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, 77.195, 48.686 by changing the saturation by 10% instead.

 64, 77.195, 48.686

 64, 77.195, 48.686

 100, 77.195,
48.686

 54, 77.195, 48.686

 84, 77.195, 48.686

 44, 77.195, 48.686

 94, 77.195, 48.686

 34, 77.195, 48.686

 24, 77.195, 48.686

 14, 77.195, 48.686

 4, 77.195, 48.686

 0, 77.195, 48.686

 64, 77.195, 48.686

 64, 77.195, 48.686

 61, 87.279, 48.148

 68, 65.999, 48.830

58, 94.837, 46.815

72, 54.770, 48.923

58, 94.852, 46.813

76, 43.987, 49.102

80, 33.844, 49.403

85, 24.396, 49.820

90, 15.634, 50.331

95, 7.515, 50.892

100, 0.022,
259.755

100, 0.436,
200.897

Harmonies

Complementary

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



64, 77.195, 48.686



73, 43.678, 247.729

Rectangle

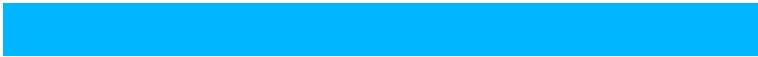
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 77.195, 48.686



64, 77.195, 98.686



64, 77.195, 228.686



64, 77.195, 278.686

Sweetspot

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



64, 77.192, 48.689



88, 19.154, 50.116



59, 88.203, 341.750



45, 13.344, 49.936



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, 77.192, 48.689



60, 92.429, 47.365



86, 78.249, 90.505



51, 4.290, 50.918



44, 76.199, 47.373



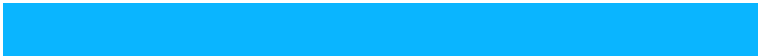
13, 28.549, 43.863

Inverse Universe

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



73, 43.678, 247.729



70, 48.397, 255.284



46, 94.748, 297.363



51, 4.075, 232.439



53, 39.521, 256.354



17, 17.259, 249.324

Previews

White Background



This preview shows how the CIELCh color 64, 77.195, 48.686 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, 77.195, 48.686 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, 77.195, 48.686

Background



This preview shows how black text looks on a background with the CIELCh color 64, 77.195, 48.686.



This preview shows how white text looks on a background with the CIELCh color 64, 77.195, 48.686.

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, 77.195, 48.686

Protanopia

64, 49.810, 95.860

Deuteranopia

64, 60.400, 82.597



Tritanopia
64, 62.653, 23.958

Trichromacy



Original Color
64, 77.195, 48.686

Protanomaly
63, 53.523, 72.510

Deuteranomaly
63, 63.491, 67.692

Tritanomaly
64, 66.874, 34.889

Monochromacy



Original Color
64, 77.195, 48.686

Achromatopsia
61, 0.008, 296.813

Achromatomaly
60, 26.100, 49.099

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 77.195, 48.686 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(254, 112, 51)` looks like.

```
.text, #text, p{  
    color:rgb(254, 112, 51)  
}
```

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(254, 112, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 112, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 77.195, 48.686 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(254, 112, 51) }
```

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

```
.border{ border-color:rgb(254, 112, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 112, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 112, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 112, 51);  
box-shadow:4px 4px 4px 4px rgb(254, 112,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 77.195, 48.686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 112, 51) }
```

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

```
.background{ background-color: rgb(254,  
112, 51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor