

Converting Colors

CIELCh(64, 74.599, 47.234)

Have a look what the booklet for
CIELCh(64, 74.599, 47.234) contains.

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Color

CIELCh(64, 74.644, 47.077)

Conversions

Conversions Part 1

Format	Color
Hex	FD703A
RGB	253, 112, 58
RGB Percent	99%, 44%, 23%
CMY	0.0076, 0.5605, 0.7723
CMYK	0.00, 0.56, 0.77, 0.01
HSL	17°, 98%, 61%
HSV	17°, 77%, 99%
XYZ	47.0976, 32.8017, 7.8589
YIQ	148.0030, 101.3700, 13.0980

Conversions

Conversions Part 2

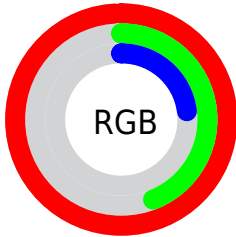
Format	Color
RYB	253, 133, 58
Decimal	16609338
CIELab	64.00, 50.83, 54.66
CIELCh	64, 74.644, 47.077
Yxy	32.8017, 0.5367, 0.3738
Android (android.graphics.Color)	4294799418 (0xFFFD703A)
YUV	148.0030, -44.3715, 92.0824
Hunter-Lab	57.2727, 46.5602, 31.9553

Details

The CIELCh color **64, 74.644, 47.077** 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 **75, 41.833, 242.404**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 51.100, 58.462**, and **44, 74.616, 47.226** is the 20% darker color. If you saturate the color by 10%, you get **61, 85.373, 46.981**, and if you desaturate by 10%, it is **68, 63.212, 46.941**.

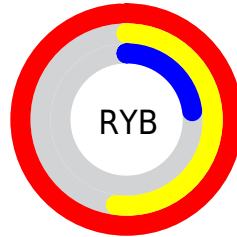
Distribution



Red (99%)

Green (44%)

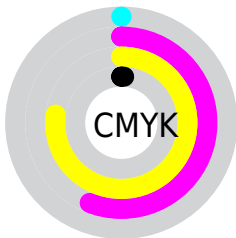
Blue (23%)



Red (99%)

Yellow (52%)

Blue (23%)

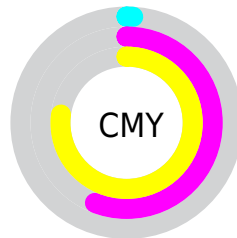


Cyan (0%)

Magenta (56%)

Yellow (77%)

Black (1%)



Cyan (1%)

Magenta (56%)

Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 74.644, 47.077 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, 74.644, 47.077 by changing the saturation by 10% instead.

 64, 74.644, 47.077

 64, 74.644, 47.077

 100, 74.644,
47.077

 54, 74.644, 47.077

 84, 74.644, 47.077

 44, 74.644, 47.077

 94, 74.644, 47.077

 34, 74.644, 47.077

 24, 74.644, 47.077

 14, 74.644, 47.077

 4, 74.644, 47.077

 0, 74.644, 47.077

 64, 74.644, 47.077

 64, 74.644, 47.077

 61, 85.373, 46.981

 68, 63.212, 46.941

58, 93.751, 46.071

72, 51.950, 46.840

57, 95.831, 45.770

76, 41.229, 46.871

81, 31.191, 47.049

86, 21.872, 47.357

91, 13.248, 47.763

96, 5.271, 48.201

100, 0.672,
200.349

Harmonies

Complementary

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



64, 74.644, 47.077



75, 41.833, 242.404

Rectangle

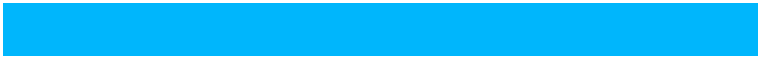
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 74.644, 47.077



64, 74.644, 97.077



64, 74.644, 227.077



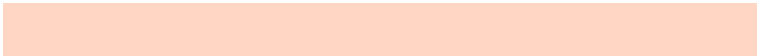
64, 74.644, 277.077

Sweetspot

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



64, 74.641, 47.080



88, 18.402, 47.511



60, 88.441, 339.470



45, 12.924, 47.372



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, 74.641, 47.080



60, 90.481, 46.671



85, 74.746, 88.377



50, 4.312, 48.101



44, 77.150, 46.293



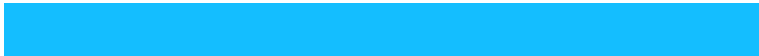
13, 28.868, 42.126

Inverse Universe

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



75, 41.833, 242.404



72, 45.924, 248.821



49, 86.708, 294.853



51, 4.086, 229.425



54, 38.149, 251.827



17, 16.848, 245.049

Previews

White Background



This preview shows how the CIELCh color 64, 74.644, 47.077 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, 74.644, 47.077 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, 74.644, 47.077

Background



This preview shows how black text looks on a background with the CIELCh color 64, 74.644, 47.077.



This preview shows how white text looks on a background with the CIELCh color 64, 74.644, 47.077.

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, 74.644, 47.077

Protanopia

64, 46.131, 95.617

Deuteranopia

64, 57.193, 81.822



Tritanopia
64, 62.653, 23.958

Trichromacy



Original Color
64, 74.644, 47.077

Protanomaly
63, 50.603, 71.000

Deuteranomaly
63, 60.317, 66.100

Tritanomaly
64, 65.709, 33.672

Monochromacy



Original Color
64, 74.644, 47.077

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 25.016, 47.529

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 74.644, 47.077 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(253, 112, 58)` looks like.

```
.text, #text, p{  
    color:rgb(253, 112, 58)  
}
```

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(253, 112, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 112, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 74.644, 47.077 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(253, 112, 58) }
```

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

```
.border{ border-color:rgb(253, 112, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 112, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 112, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 112, 58);  
box-shadow:4px 4px 4px 4px rgb(253, 112,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 74.644, 47.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 112, 58) }
```

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

```
.background{ background-color: rgb(253,  
112, 58) }
```

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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