

Converting Colors

CIELCh(64, 69.547, 42.777)

Have a look what the booklet for
CIELCh(64, 69.547, 42.777) contains.

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Color

CIELCh(64, 69.564, 42.746)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FC7049 |
| RGB | 252, 112, 73 |
| RGB Percent | 99%, 44%, 29% |
| CMY | 0.0114, 0.5604, 0.7134 |
| CMYK | 0.00, 0.56, 0.71, 0.01 |
| HSL | 13°, 97%, 64% |
| HSV | 13°, 71%, 99% |
| XYZ | 47.1877, 32.8017, 10.1602 |
| YIQ | 149.4140, 95.9590, 17.5510 |

Conversions

Conversions Part 2

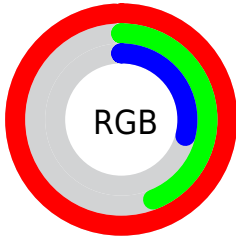
| Format | Color |
|-------------------------------------|---|
| RYB | 252, 123, 73 |
| Decimal | 16543817 |
| CIELab | 64.00, 51.09, 47.22 |
| CIELCh | 64, 69.564, 42.746 |
| Yxy | 32.8017, 0.5234, 0.3639 |
| Android (android.graphics.Color) | 4294733897 (0xFFFC7049) |
| YUV | 149.4140, -37.6721, 89.9679 |
| Hunter-Lab | 57.2727, 46.8409, 29.5729 |

Details

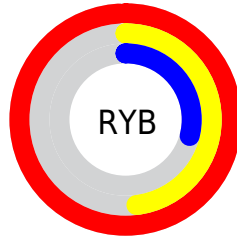
The CIELCh color **64, 69.564, 42.746** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **80, 39.040, 230.007**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 45.582, 52.223**, and **44, 69.892, 42.661** is the 20% darker color. If you saturate the color by 10%, you get **60, 81.166, 43.524**, and if you desaturate by 10%, it is **68, 57.852, 42.023**.

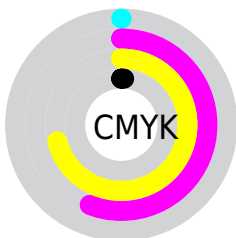
Distribution



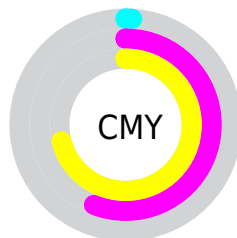
- Red (99%)
- Green (44%)
- Blue (29%)



- Red (99%)
- Yellow (48%)
- Blue (29%)



- Cyan (0%)
- Magenta (56%)
- Yellow (71%)
- Black (1%)



- Cyan (1%)
- Magenta (56%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 69.564, 42.746 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, 69.564, 42.746 by changing the saturation by 10% instead.

64, 69.564, 42.746

64, 69.564, 42.746

100, 69.564,
42.746

54, 69.564, 42.746

84, 69.564, 42.746

44, 69.564, 42.746

94, 69.564, 42.746

34, 69.564, 42.746

24, 69.564, 42.746

14, 69.564, 42.746

4, 69.564, 42.746

0, 69.564, 42.746

64, 69.564, 42.746

64, 69.564, 42.746

60, 81.166, 43.524

68, 57.852, 42.023

58, 91.459, 43.926

73, 46.574, 41.488

56, 98.256, 43.593

77, 35.953, 41.170

82, 26.073, 41.045

88, 16.940, 41.075

93, 8.518, 41.208

98, 0.750, 40.697

100, 1.010,
199.998

Harmonies

Complementary

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



64, 69.564, 42.746



80, 39.040, 230.007

Rectangle

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



64, 69.564, 42.746



64, 69.564, 92.746



64, 69.564, 222.746



64, 69.564, 272.746

Sweetspot

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



64, 69.561, 42.749



89, 17.087, 41.075



62, 87.174, 336.309



46, 11.700, 41.054



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, 69.561, 42.749



60, 86.329, 43.769



84, 68.015, 85.352



49, 4.338, 41.231



42, 78.561, 44.043



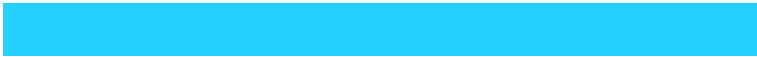
11, 28.470, 37.615

Inverse Universe

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



80, 39.040, 230.007



78, 42.570, 234.347



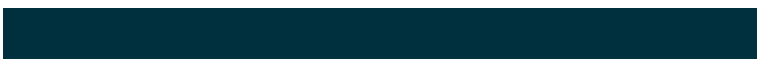
55, 73.458, 290.104



51, 4.091, 222.027



57, 35.430, 239.529



18, 15.789, 233.551

Previews

White Background



This preview shows how the CIELCh color 64, 69.564, 42.746 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, 69.564, 42.746 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, 69.564, 42.746

Background



This preview shows how black text looks on a background with the CIELCh color 64, 69.564, 42.746.



This preview shows how white text looks on a background with the CIELCh color 64, 69.564, 42.746.

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, 69.564, 42.746

Protanopia

64, 38.109, 96.023

Deuteranopia

64, 49.773, 80.579



Tritanopia
64, 61.786, 23.756

Trichromacy



Original Color
64, 69.564, 42.746

Protanomaly
63, 43.080, 67.190

Deuteranomaly
63, 53.474, 62.878

Tritanomaly
64, 63.618, 31.471

Monochromacy



Original Color
64, 69.564, 42.746

Achromatopsia
62, 0.008, 296.813

Achromatomaly
61, 23.263, 40.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 69.564, 42.746 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(252, 112, 73)` looks like.

```
.text, #text, p{  
    color:rgb(252, 112, 73)  
}
```

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(252, 112, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 112, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 69.564, 42.746 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(252, 112, 73) }
```

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

```
.border{ border-color:rgb(252, 112, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 112, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 112, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 112, 73);  
box-shadow:4px 4px 4px 4px rgb(252, 112,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 69.564, 42.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 112, 73) }
```

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

```
.background{ background-color: rgb(252,  
112, 73) }
```

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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