

Converting Colors

CIELCh(64, 72.096, 43.048)

Have a look what the booklet for
CIELCh(64, 72.096, 43.048) contains.

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Color

CIELCh(64, 72.416, 43.070)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF6E45 |
| RGB | 255, 110, 69 |
| RGB Percent | 100%, 43%, 27% |
| CMY | 0.0004, 0.5689, 0.7297 |
| CMYK | 0.00, 0.57, 0.73, 0.00 |
| HSL | 13°, 100%, 63% |
| HSV | 13°, 73%, 100% |
| XYZ | 47.8399, 32.8017, 9.4273 |
| YIQ | 148.6810, 99.5810, 17.9890 |

Conversions

Conversions Part 2

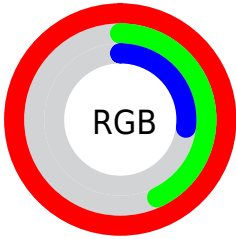
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 122, 69 |
| Decimal | 16739909 |
| CIE Lab | 64.00, 52.90, 49.45 |
| CIE LCh | 64, 72.416, 43.070 |
| Yxy | 32.8017, 0.5311, 0.3642 |
| Android (android.graphics.Color) | 4294929989 (0xFFFF6E45) |
| YUV | 148.6810, -39.2827, 93.2418 |
| Hunter-Lab | 57.2727, 48.8736, 30.3316 |

Details

The CIELCh color **64, 72.416, 43.070** 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, 39.931, 230.987**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 47.167, 52.627**, and **44, 72.168, 43.039** is the 20% darker color. If you saturate the color by 10%, you get **61, 83.976, 43.789**, and if you desaturate by 10%, it is **68, 60.575, 42.346**.

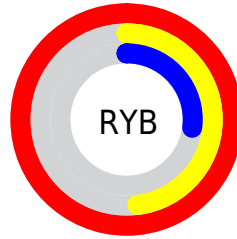
Distribution



Red (100%)

Green (43%)

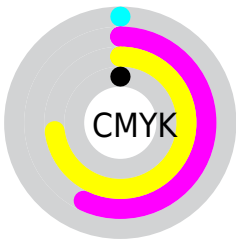
Blue (27%)



Red (100%)

Yellow (48%)

Blue (27%)

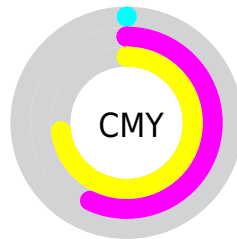


Cyan (0%)

Magenta (57%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (57%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 72.416, 43.070 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, 72.416, 43.070 by changing the saturation by 10% instead.

64, 72.416, 43.070

64, 72.416, 43.070

100, 72.416,
43.070

54, 72.416, 43.070

84, 72.416, 43.070

44, 72.416, 43.070

94, 72.416, 43.070

34, 72.416, 43.070

24, 72.416, 43.070

14, 72.416, 43.070

4, 72.416, 43.070

0, 72.416, 43.070

64, 72.416, 43.070

64, 72.416, 43.070

61, 83.976, 43.789

68, 60.575, 42.346

58, 93.854, 43.997

72, 49.099, 41.792

56, 98.995, 43.659

77, 38.257, 41.451

82, 28.153, 41.308

87, 18.805, 41.326

93, 10.183, 41.459

98, 2.231, 41.496

100, 0.037,
217.690

Harmonies

Complementary

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



64, 72.416, 43.070



80, 39.931, 230.987

Rectangle

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



64, 72.416, 43.070



64, 72.416, 93.070



64, 72.416, 223.070



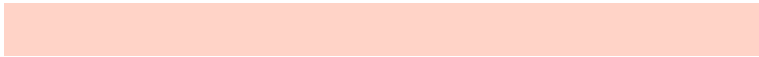
64, 72.416, 273.070

Sweetspot

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



64, 72.413, 43.073



88, 17.952, 41.335



62, 89.333, 336.489



45, 12.200, 41.313



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, 72.413, 43.073



59, 89.325, 44.006



84, 70.189, 85.041



50, 4.405, 41.515



42, 79.288, 44.103



12, 29.679, 38.380

Inverse Universe

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



80, 39.931, 230.987



77, 43.107, 235.947



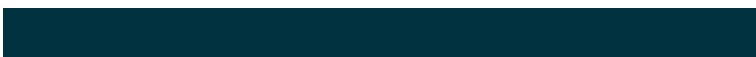
54, 76.368, 290.759



52, 4.155, 222.335



57, 35.858, 240.113



18, 16.239, 234.347

Previews

White Background



This preview shows how the CIELCh color 64, 72.416, 43.070 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, 72.416, 43.070 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, 72.416, 43.070

Background



This preview shows how black text looks on a background with the CIELCh color 64, 72.416, 43.070.



This preview shows how white text looks on a background with the CIELCh color 64, 72.416, 43.070.

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, 72.416, 43.070

Protanopia

64, 40.122, 96.259

Deuteranopia

64, 52.150, 80.852



Tritanopia
64, 62.653, 23.958

Trichromacy



Original Color
64, 72.416, 43.070

Protanomaly
63, 45.395, 66.915

Deuteranomaly
63, 56.153, 63.014

Tritanomaly
64, 65.435, 31.619

Monochromacy



Original Color
64, 72.416, 43.070

Achromatopsia
62, 0.008, 296.813

Achromatomaly
61, 24.386, 41.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 72.416, 43.070 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 72.416, 43.070 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, 69) }
```

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

```
.border{ border-color:rgb(255, 110, 69) }
```

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, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 72.416, 43.070 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, 69) }
```

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

```
.background{ background-color: rgb(255,  
110, 69) }
```

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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