

Converting Colors

CIELCh(63, 72.820, 39.408)

Have a look what the booklet for
CIELCh(63, 72.820, 39.408) contains.

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Color

CIELCh(63, 72.715, 39.371)

Conversions

Conversions Part 1

Format	Color
Hex	FF6749
RGB	255, 103, 73
RGB Percent	100%, 40%, 29%
CMY	0.0000, 0.5947, 0.7126
CMYK	0.00, 0.59, 0.71, 0.00
HSL	10°, 100%, 64%
HSV	10°, 71%, 100%
XYZ	47.4803, 31.5869, 9.9487
YIQ	145.0280, 100.2220, 22.8940

Conversions

Conversions Part 2

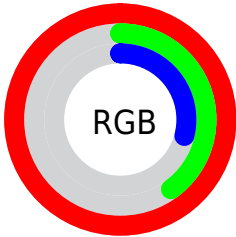
Format	Color
R_{YB}	255, 109, 73
Decimal	16738121
CIE Lab	63.00, 56.21, 46.13
CIE LCh	63, 72.715, 39.371
Yxy	31.5869, 0.5334, 0.3548
Android (android.graphics.Color)	4294928201 (0xFFFF6749)
YUV	145.0280, -35.5098, 96.4454
Hunter-Lab	56.2022, 52.4449, 28.8462

Details

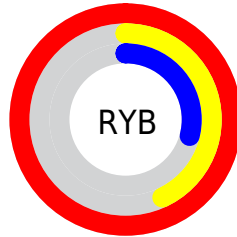
The CIELCh color **63, 72.715, 39.371** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **83, 39.756, 221.013**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **74, 46.566, 46.445**, and **43, 72.797, 39.292** is the 20% darker color. If you saturate the color by 10%, you get **59, 84.403, 40.809**, and if you desaturate by 10%, it is **67, 60.496, 38.098**.

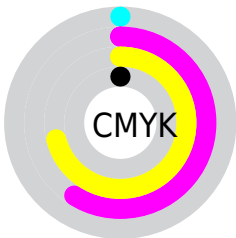
Distribution



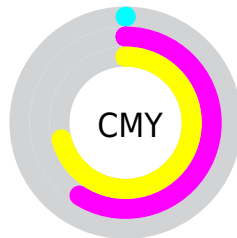
- Red (100%)
- Green (40%)
- Blue (29%)



- Red (100%)
- Yellow (43%)
- Blue (29%)



- Cyan (0%)
- Magenta (59%)
- Yellow (71%)
- Black (0%)



- Cyan (0%)
- Magenta (59%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 72.715, 39.371 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 63, 72.715, 39.371 by changing the saturation by 10% instead.

63, 72.715, 39.371

63, 72.715, 39.371

100, 72.715,
39.371

53, 72.715, 39.371

83, 72.715, 39.371

43, 72.715, 39.371

93, 72.715, 39.371

33, 72.715, 39.371

23, 72.715, 39.371

13, 72.715, 39.371

3, 72.715, 39.371

0, 72.715, 39.371

63, 72.715, 39.371

63, 72.715, 39.371

59, 84.403, 40.809

67, 60.496, 38.098

57, 94.755, 41.891

72, 48.804, 37.084

55, 101.176,
42.131

77, 37.743, 36.357

82, 27.424, 35.878

88, 17.876, 35.597

93, 9.076, 35.453

99, 0.971, 34.858

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.



63, 72.715, 39.371



83, 39.756, 221.013

Rectangle

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



63, 72.715, 39.371



63, 72.715, 89.371



63, 72.715, 219.371



63, 72.715, 269.371

Sweetspot

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



63, 72.554, 39.388



88, 17.641, 35.592



63, 92.184, 333.360



45, 12.080, 35.652



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63, 72.554, 39.388



58, 89.621, 41.412



81, 66.727, 79.728



50, 4.550, 35.433



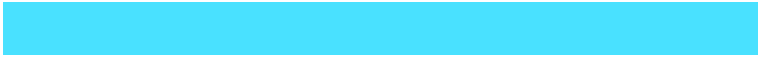
41, 81.080, 42.480



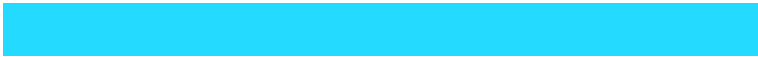
11, 30.486, 35.302

Inverse Universe

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



83, 39.756, 221.013



81, 42.518, 224.409



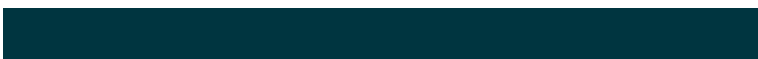
59, 67.263, 285.781



52, 4.280, 215.751



61, 35.069, 228.087



20, 16.164, 223.768

Previews

White Background



This preview shows how the CIELCh color 63, 72.715, 39.371 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 63, 72.715, 39.371 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 63, 72.715, 39.371

Background



This preview shows how black text looks on a background with the CIELCh color 63, 72.715, 39.371.

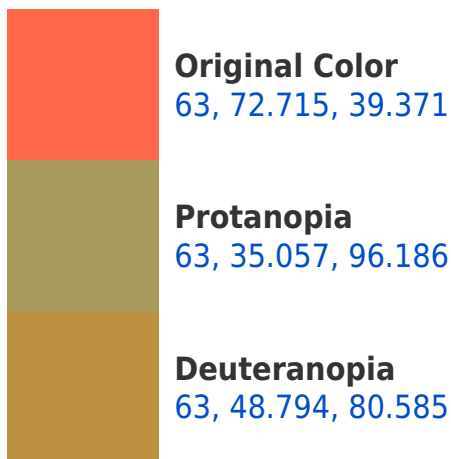


This preview shows how white text looks on a background with the CIELCh color 63, 72.715, 39.371.

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





Tritanopia
63, 65.624, 25.210

Trichromacy



Original Color
63, 72.715, 39.371

Protanomaly
62, 41.729, 62.646

Deuteranomaly
62, 53.684, 60.307

Tritanomaly
63, 67.725, 30.791

Monochromacy



Original Color
63, 72.715, 39.371

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 24.480, 36.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 72.715, 39.371 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, 103, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 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(255, 103, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 72.715, 39.371 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, 103, 73) }
```

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

```
.border{ border-color:rgb(255, 103, 73) }
```

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

Here you see how a box with a 4 pixel rgb(255, 103, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 72.715, 39.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 73) }
```

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

```
.background{ background-color: rgb(255,  
103, 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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