

Converting Colors

CIELCh(63, 74.163, 40.987)

Have a look what the booklet for
CIELCh(63, 74.163, 40.987) contains.

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Color

CIELCh(63, 73.968, 41.315)

Conversions

Conversions Part 1

Format	Color
Hex	FF6844
RGB	255, 104, 68
RGB Percent	100%, 41%, 27%
CMY	0.0000, 0.5920, 0.7333
CMYK	0.00, 0.59, 0.73, 0.00
HSL	12°, 100%, 63%
HSV	12°, 73%, 100%
XYZ	47.2452, 31.5869, 9.0784
YIQ	145.0450, 101.5520, 20.8160

Conversions

Conversions Part 2

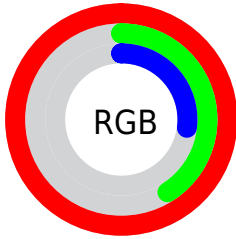
Format	Color
R _Y B	255, 113, 68
Decimal	16738372
CIE Lab	63.00, 55.56, 48.83
CIE LCh	63, 73.968, 41.315
Yxy	31.5869, 0.5374, 0.3593
Android (android.graphics.Color)	4294928452 (0xFFFF6844)
YUV	145.0450, -37.9832, 96.4305
Hunter-Lab	56.2022, 51.6981, 29.7645

Details

The CIELCh color **63, 73.968, 41.315** 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 **81, 40.025, 226.161**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 48.049, 49.586**, and **43, 74.006, 41.335** is the 20% darker color. If you saturate the color by 10%, you get **60, 85.587, 42.375**, and if you desaturate by 10%, it is **67, 61.978, 40.285**.

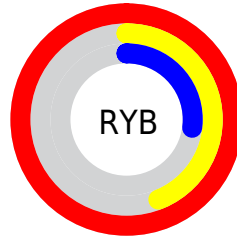
Distribution



Red (100%)

Green (41%)

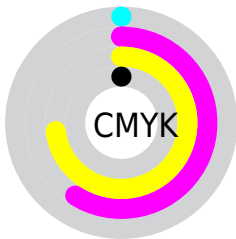
Blue (27%)



Red (100%)

Yellow (44%)

Blue (27%)

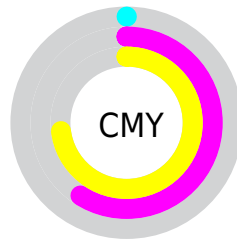


Cyan (0%)

Magenta (59%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (59%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 73.968, 41.315 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, 73.968, 41.315 by changing the saturation by 10% instead.

63, 73.968, 41.315

63, 73.968, 41.315

100, 73.968,
41.315

53, 73.968, 41.315

83, 73.968, 41.315

43, 73.968, 41.315

93, 73.968, 41.315

33, 73.968, 41.315

23, 73.968, 41.315

13, 73.968, 41.315

3, 73.968, 41.315

0, 73.968, 41.315

63, 73.968, 41.315

63, 73.968, 41.315

60, 85.587, 42.375

67, 61.978, 40.285

57, 95.396, 42.917

71, 50.323, 39.465

56, 100.173,
42.824

76, 39.283, 38.897

82, 28.981, 38.556

87, 19.444, 38.401

92, 10.651, 38.381

98, 2.550, 38.308

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, 73.968, 41.315



81, 40.025, 226.161

Rectangle

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



63, 73.968, 41.315



63, 73.968, 91.315



63, 73.968, 221.315



63, 73.968, 271.315

Sweetspot

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



63, 73.956, 41.319



88, 18.236, 38.392



62, 91.637, 334.966



45, 12.394, 38.413



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, 73.956, 41.319



58, 90.532, 42.743



82, 69.389, 82.226



50, 4.472, 38.390



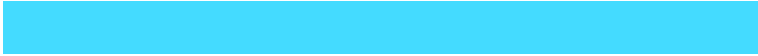
42, 80.237, 43.221



12, 30.089, 36.753

Inverse Universe

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



81, 40.025, 226.161



79, 42.741, 230.378



56, 73.053, 288.796



52, 4.211, 218.955



59, 35.279, 234.050



19, 16.138, 228.973

Previews

White Background



This preview shows how the CIELCh color 63, 73.968, 41.315 looks on a white background.

Color Contrast Check

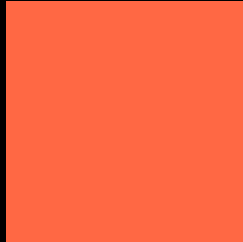
Large Text (above 18pt) WCAG AA × Fail

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, 73.968, 41.315 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, 73.968, 41.315

Background



This preview shows how black text looks on a background with the CIELCh color 63, 73.968, 41.315.



This preview shows how white text looks on a background with the CIELCh color 63, 73.968, 41.315.

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

63, 73.968, 41.315

Protanopia

63, 38.211, 95.927

Deuteranopia

63, 51.187, 80.868



Tritanopia
63, 65.155, 25.080

Trichromacy



Original Color
63, 73.968, 41.315

Protanomaly
62, 44.604, 64.586

Deuteranomaly
62, 55.984, 61.467

Tritanomaly
63, 67.687, 31.543

Monochromacy



Original Color
63, 73.968, 41.315

Achromatopsia
60, 0.008, 296.813

Achromatomaly
59, 24.936, 38.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 73.968, 41.315 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, 104, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 68)  
}
```

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, 104, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 73.968, 41.315 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, 104, 68) }
```

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

```
.border{ border-color:rgb(255, 104, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 104, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 104, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 104, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 104,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 73.968, 41.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 68) }
```

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

```
.background{ background-color: rgb(255,  
104, 68) }
```

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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