

Converting Colors

CIELCh(63, 74.765, 42.082)

Have a look what the booklet for
CIELCh(63, 74.765, 42.082) contains.

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Color

CIELCh(63, 74.566, 41.928)

Conversions

Conversions Part 1

Format	Color
Hex	FF6842
RGB	255, 104, 66
RGB Percent	100%, 41%, 26%
CMY	0.0000, 0.5918, 0.7409
CMYK	0.00, 0.59, 0.74, 0.00
HSL	12°, 100%, 63%
HSV	12°, 74%, 100%
XYZ	47.2163, 31.5869, 8.7729
YIQ	144.8170, 102.1940, 20.1940

Conversions

Conversions Part 2

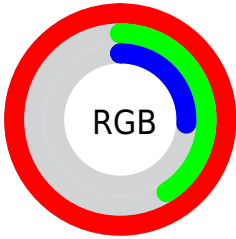
Format	Color
RYB	255, 114, 66
Decimal	16738370
CIELab	63.00, 55.48, 49.82
CIElCh	63, 74.566, 41.928
Yxy	31.5869, 0.5391, 0.3607
Android (android.graphics.Color)	4294928450 (0xFFFF6842)
YUV	144.8170, -38.8568, 96.6305
Hunter-Lab	56.2022, 51.6064, 30.0867

Details

The CIELCh color **63, 74.566, 41.928** 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, 40.192, 227.879**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 48.724, 50.506**, and **43, 74.500, 41.805** is the 20% darker color. If you saturate the color by 10%, you get **60, 86.062, 42.868**, and if you desaturate by 10%, it is **67, 62.582, 40.986**.

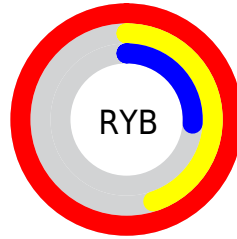
Distribution



Red (100%)

Green (41%)

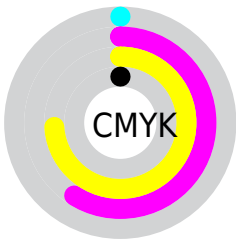
Blue (26%)



Red (100%)

Yellow (45%)

Blue (26%)

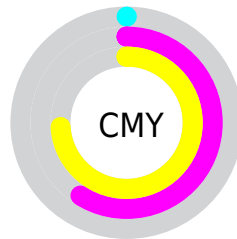


Cyan (0%)

Magenta (59%)

Yellow (74%)

Black (0%)



Cyan (0%)

Magenta (59%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 74.566, 41.928 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, 74.566, 41.928 by changing the saturation by 10% instead.

63, 74.566, 41.928

63, 74.566, 41.928

100, 74.566,
41.928

53, 74.566, 41.928

83, 74.566, 41.928

43, 74.566, 41.928

93, 74.566, 41.928

33, 74.566, 41.928

23, 74.566, 41.928

13, 74.566, 41.928

3, 74.566, 41.928

0, 74.566, 41.928

63, 74.566, 41.928

63, 74.566, 41.928

60, 86.062, 42.868

67, 62.582, 40.986

57, 95.639, 43.221

71, 50.935, 40.229

56, 99.830, 43.069

76, 39.895, 39.710

81, 29.587, 39.413

87, 20.043, 39.298

92, 11.241, 39.317

98, 3.131, 39.324

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, 74.566, 41.928



81, 40.192, 227.879

Rectangle

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



63, 74.566, 41.928



63, 74.566, 91.928



63, 74.566, 221.928



63, 74.566, 271.928

Sweetspot

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



63, 74.527, 41.936



88, 18.143, 39.293



62, 91.134, 335.798



45, 12.331, 39.301



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, 74.527, 41.936



58, 91.148, 43.166



83, 70.525, 83.492



50, 4.450, 39.347



42, 79.952, 43.481



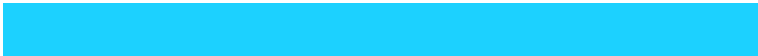
12, 29.962, 37.241

Inverse Universe

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



81, 40.192, 227.879



78, 42.945, 232.456



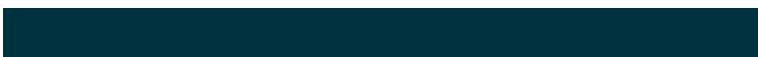
55, 75.787, 290.122



52, 4.192, 219.991



58, 35.419, 235.937



19, 16.155, 230.636

Previews

White Background



This preview shows how the CIELCh color 63, 74.566, 41.928 looks on a white background.

Color Contrast Check

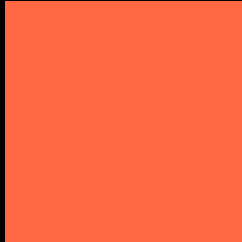
Large Text (above 18pt) WCAG AA × Fail

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, 74.566, 41.928 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, 74.566, 41.928

Background



This preview shows how black text looks on a background with the CIELCh color 63, 74.566, 41.928.



This preview shows how white text looks on a background with the CIELCh color 63, 74.566, 41.928.

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, 74.566, 41.928

Protanopia

63, 39.722, 96.105

Deuteranopia

63, 52.667, 80.823



Tritanopia
63, 65.155, 25.080

Trichromacy



Original Color
63, 74.566, 41.928

Protanomaly
62, 45.454, 65.291

Deuteranomaly
62, 56.754, 62.003

Tritanomaly
63, 67.920, 31.955

Monochromacy



Original Color
63, 74.566, 41.928

Achromatopsia
60, 0.008, 296.813

Achromatomaly
59, 25.180, 39.630

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 74.566, 41.928 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, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 66)  
}
```

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, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 74.566, 41.928 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, 66) }
```

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

```
.border{ border-color:rgb(255, 104, 66) }
```

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, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 104, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 104, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 104,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 74.566, 41.928 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, 66) }
```

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

```
.background{ background-color: rgb(255,  
104, 66) }
```

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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