

Converting Colors

CIELCh(63, 68.508, 41.800)

Have a look what the booklet for
CIELCh(63, 68.508, 41.800) contains.

CIELCh(63, 68.664, 41.469)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(63, 68.664, 41.469)

Conversions

Conversions Part 1

Format	Color
Hex	F96D4A
RGB	249, 109, 74
RGB Percent	98%, 43%, 29%
CMY	0.0234, 0.5724, 0.7097
CMYK	0.00, 0.56, 0.70, 0.02
HSL	12°, 94%, 63%
HSV	12°, 70%, 98%
XYZ	45.7911, 31.5869, 10.1676
YIQ	146.8700, 94.6750, 18.7950

Conversions

Conversions Part 2

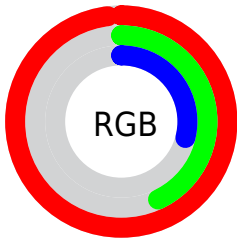
Format	Color
R _{YB}	249, 118, 74
Decimal	16346442
CIE Lab	63.00, 51.45, 45.47
CIE LCh	63, 68.664, 41.469
Yxy	31.5869, 0.5231, 0.3608
Android (android.graphics.Color)	4294536522 (0xFFFF96D4A)
YUV	146.8700, -35.9249, 89.5680
Hunter-Lab	56.2022, 47.0799, 28.6154

Details

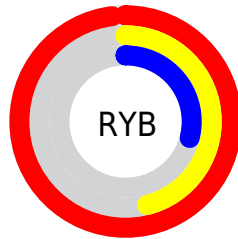
The CIELCh color **63, 68.664, 41.469** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **80, 38.467, 226.708**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 45.561, 49.528**, and **43, 68.744, 41.352** is the 20% darker color. If you saturate the color by 10%, you get **59, 80.262, 42.467**, and if you desaturate by 10%, it is **67, 56.998, 40.574**.

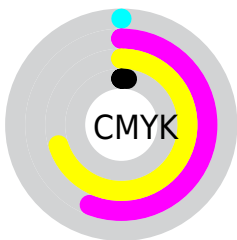
Distribution



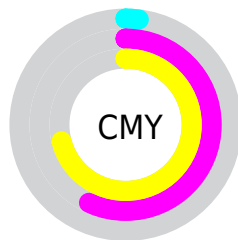
- Red (98%)
- Green (43%)
- Blue (29%)



- Red (98%)
- Yellow (46%)
- Blue (29%)



- Cyan (0%)
- Magenta (56%)
- Yellow (70%)
- Black (2%)



- Cyan (2%)
- Magenta (57%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 68.664, 41.469 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, 68.664, 41.469 by changing the saturation by 10% instead.

63, 68.664, 41.469

63, 68.664, 41.469

100, 68.664,
41.469

53, 68.664, 41.469

83, 68.664, 41.469

43, 68.664, 41.469

93, 68.664, 41.469

33, 68.664, 41.469

23, 68.664, 41.469

13, 68.664, 41.469

3, 68.664, 41.469

0, 68.664, 41.469

63, 68.664, 41.469

63, 68.664, 41.469

59, 80.262, 42.467

67, 56.998, 40.574

57, 90.665, 43.158

72, 45.773, 39.899

54, 98.063, 43.064

76, 35.206, 39.462

82, 25.376, 39.233

87, 16.291, 39.170

92, 7.918, 39.213

98, 0.200, 36.273

100, 2.067,
199.595

Harmonies

Complementary

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



63, 68.664, 41.469



80, 38.467, 226.708

Rectangle

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



63, 68.664, 41.469



63, 68.664, 91.469



63, 68.664, 221.469



63, 68.664, 271.469

Sweetspot

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



63, 68.661, 41.472



88, 17.257, 39.170



62, 86.746, 335.469



45, 11.817, 39.176



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, 68.661, 41.472



60, 86.012, 42.803



82, 66.165, 84.121



49, 4.379, 39.217



41, 79.171, 43.468



11, 28.732, 36.539

Inverse Universe

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



80, 38.467, 226.708



79, 42.211, 230.535



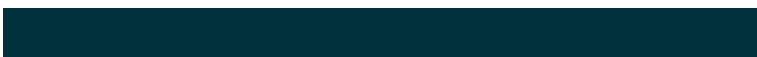
55, 70.142, 288.811



51, 4.126, 219.850



58, 35.042, 235.643



18, 15.723, 230.124

Previews

White Background



This preview shows how the CIELCh color 63, 68.664, 41.469 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, 68.664, 41.469 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, 68.664, 41.469

Background



This preview shows how black text looks on a background with the CIELCh color 63, 68.664, 41.469.

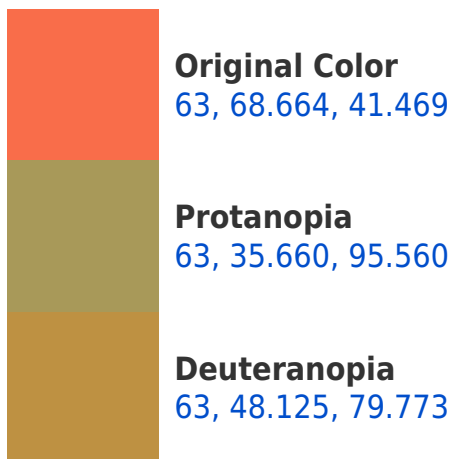


This preview shows how white text looks on a background with the CIELCh color 63, 68.664, 41.469.

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, 61.991, 23.935

Trichromacy



Original Color
63, 68.664, 41.469

Protanomaly
62, 41.103, 65.207

Deuteranomaly
62, 52.105, 61.578

Tritanomaly
63, 63.431, 30.731

Monochromacy



Original Color
63, 68.664, 41.469

Achromatopsia
61, 0.008, 296.813

Achromatomaly
60, 23.134, 39.600

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 68.664, 41.469 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(249, 109, 74)` looks like.

```
.text, #text, p{  
    color:rgb(249, 109, 74)  
}
```

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(249, 109, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 109, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 68.664, 41.469 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(249, 109, 74) }
```

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

```
.border{ border-color:rgb(249, 109, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 109, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 109, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 109, 74);  
box-shadow:4px 4px 4px 4px rgb(249, 109,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 68.664, 41.469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 109, 74) }
```

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

```
.background{ background-color: rgb(249,  
109, 74) }
```

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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