

Converting Colors

CIELCh(64, 77.790, 43.684)

Have a look what the booklet for
CIELCh(64, 77.790, 43.684) contains.

CIELCh(63, 75.670, 44.043)	3
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Color

CIELCh(63, 75.670, 44.043)

Conversions

Conversions Part 1

Format	Color
Hex	FE693C
RGB	254, 105, 60
RGB Percent	100%, 41%, 24%
CMY	0.0034, 0.5871, 0.7633
CMYK	0.00, 0.59, 0.76, 0.00
HSL	14°, 99%, 62%
HSV	14°, 76%, 100%
XYZ	46.8299, 31.5869, 7.9526
YIQ	144.4210, 103.2490, 17.5930

Conversions

Conversions Part 2

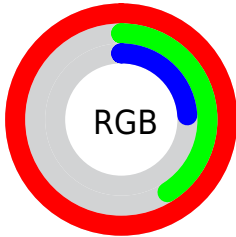
Format	Color
RYB	254, 119, 60
Decimal	16673084
CIELab	63.00, 54.39, 52.61
CIELCh	63, 75.670, 44.043
Yxy	31.5869, 0.5422, 0.3657
Android (android.graphics.Color)	4294863164 (0xFFFE693C)
YUV	144.4210, -41.6196, 96.1008
Hunter-Lab	56.2022, 50.3793, 30.9521

Details

The CIELCh color **63, 75.670, 44.043** 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 **78, 40.794, 234.009**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 50.821, 53.087**, and **43, 75.844, 44.163** is the 20% darker color. If you saturate the color by 10%, you get **60, 86.809, 44.528**, and if you desaturate by 10%, it is **67, 63.909, 43.418**.

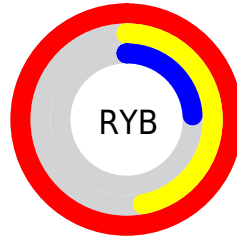
Distribution



Red (100%)

Green (41%)

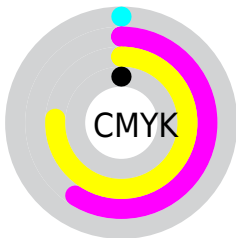
Blue (24%)



Red (100%)

Yellow (47%)

Blue (24%)

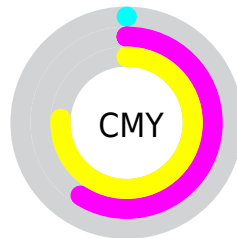


Cyan (0%)

Magenta (59%)

Yellow (76%)

Black (0%)



Cyan (0%)

Magenta (59%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 75.670, 44.043 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, 75.670, 44.043 by changing the saturation by 10% instead.

 63, 75.670, 44.043

 63, 75.670, 44.043

 100, 75.670,
44.043

 53, 75.670, 44.043

 83, 75.670, 44.043

 43, 75.670, 44.043

 93, 75.670, 44.043

 33, 75.670, 44.043

 23, 75.670, 44.043

 13, 75.670, 44.043

 3, 75.670, 44.043

 0, 75.670, 44.043

 63, 75.670, 44.043

 63, 75.670, 44.043

 60, 86.809, 44.528

 67, 63.909, 43.418

57, 95.622, 44.249

71, 52.365, 42.908

56, 98.268, 44.042

76, 41.392, 42.590

81, 31.132, 42.466

86, 21.622, 42.507

91, 12.841, 42.672

96, 4.742, 42.877

100, 0.298,
201.613

Harmonies

Complementary

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



63, 75.670, 44.043



78, 40.794, 234.009

Rectangle

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



63, 75.670, 44.043



63, 75.670, 94.043



63, 75.670, 224.043



63, 75.670, 274.043

Sweetspot

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



63, 75.667, 44.046



88, 18.739, 42.549



61, 91.235, 336.795



45, 13.167, 42.503



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, 75.667, 44.046



58, 92.558, 44.514



83, 72.526, 84.513



50, 4.382, 42.820



43, 78.877, 44.500



12, 29.512, 39.088

Inverse Universe

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



78, 40.794, 234.009



75, 44.003, 239.863



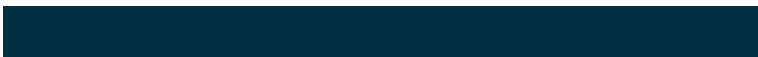
52, 79.994, 291.859



52, 4.136, 223.744



57, 36.202, 242.555



18, 16.318, 236.540

Previews

White Background



This preview shows how the CIELCh color 63, 75.670, 44.043 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, 75.670, 44.043 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, 75.670, 44.043

Background



This preview shows how black text looks on a background with the CIELCh color 63, 75.670, 44.043.



This preview shows how white text looks on a background with the CIELCh color 63, 75.670, 44.043.

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, 75.775, 44.060

Protanopia

63, 43.261, 95.837

Deuteranopia

63, 55.100, 81.546



Tritanopia
63, 65.155, 25.080

Trichromacy



Original Color
63, 75.775, 44.060

Protanomaly
62, 48.476, 68.218

Deuteranomaly
62, 58.994, 64.036

Tritanomaly
63, 68.140, 33.110

Monochromacy



Original Color
63, 75.775, 44.060

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 25.516, 43.226

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 75.670, 44.043 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(254, 105, 60)` looks like.

```
.text, #text, p{  
    color:rgb(254, 105, 60)  
}
```

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(254, 105, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 105, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 75.670, 44.043 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(254, 105, 60) }
```

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

```
.border{ border-color:rgb(254, 105, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 105, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 105, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 105, 60);  
box-shadow:4px 4px 4px 4px rgb(254, 105,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 75.670, 44.043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 105, 60) }
```

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

```
.background{ background-color: rgb(254,  
105, 60) }
```

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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