

Converting Colors

CIELCh(63, 63.823, 47.757)

Have a look what the booklet for
CIELCh(63, 63.823, 47.757) contains.

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Color

CIELCh(63, 63.689, 47.664)

Conversions

Conversions Part 1

Format	Color
Hex	EE7646
RGB	238, 118, 70
RGB Percent	93%, 46%, 27%
CMY	0.0666, 0.5371, 0.7254
CMYK	0.00, 0.50, 0.71, 0.07
HSL	17°, 83%, 60%
HSV	17°, 71%, 93%
XYZ	42.8568, 31.5869, 9.6362
YIQ	148.4080, 86.9280, 10.5120

Conversions

Conversions Part 2

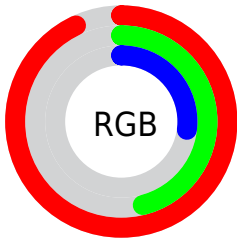
Format	Color
R _Y B	238, 137, 70
Decimal	15627846
CIE Lab	63.00, 42.89, 47.08
CIE LCh	63, 63.689, 47.664
Yxy	31.5869, 0.5097, 0.3757
Android (android.graphics.Color)	4293817926 (0xFFEE7646)
YUV	148.4080, -38.6551, 78.5722
Hunter-Lab	56.2022, 37.7606, 29.1760

Details

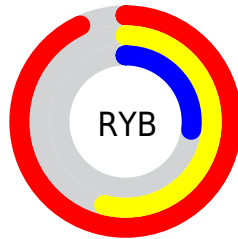
The CIELCh color **63, 63.689, 47.664** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **72, 38.102, 241.540**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 46.337, 57.264**, and **43, 63.849, 47.813** is the 20% darker color. If you saturate the color by 10%, you get **60, 74.408, 47.677**, and if you desaturate by 10%, it is **67, 52.918, 47.621**.

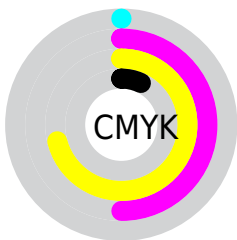
Distribution



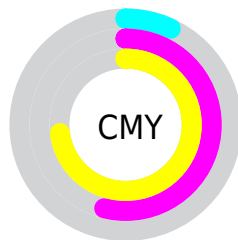
- Red (93%)
- Green (46%)
- Blue (27%)



- Red (93%)
- Yellow (54%)
- Blue (27%)



- Cyan (0%)
- Magenta (50%)
- Yellow (71%)
- Black (7%)



- Cyan (7%)
- Magenta (54%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 63.689, 47.664 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, 63.689, 47.664 by changing the saturation by 10% instead.

63, 63.689, 47.664

63, 63.689, 47.664

100, 63.689,
47.664

53, 63.689, 47.664

83, 63.689, 47.664

43, 63.689, 47.664

93, 63.689, 47.664

33, 63.689, 47.664

23, 63.689, 47.664

13, 63.689, 47.664

3, 63.689, 47.664

0, 63.689, 47.664

63, 63.689, 47.664

63, 63.689, 47.664

60, 74.408, 47.677

67, 52.918, 47.621

57, 84.040, 47.287

71, 42.573, 47.676

54, 90.963, 46.252

75, 32.840, 47.867

80, 23.777, 48.187

84, 15.379, 48.612

89, 7.604, 49.097

94, 0.399, 48.296

99, 5.514, 204.277

99, 5.831, 199.150

Harmonies

Complementary

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



63, 63.689, 47.664



72, 38.102, 241.540

Rectangle

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



63, 63.689, 47.664



63, 63.689, 97.664



63, 63.689, 227.664



63, 63.689, 277.664

Sweetspot

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



63, 63.687, 47.667



89, 16.625, 48.589



58, 79.481, 339.560



46, 11.377, 48.463



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, 63.687, 47.667



62, 83.438, 47.577



82, 67.232, 90.576



48, 4.089, 49.150



42, 74.421, 46.776



11, 25.010, 41.015

Inverse Universe

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



72, 38.102, 241.540



73, 44.645, 247.245



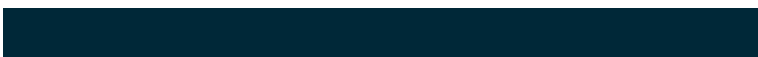
49, 76.550, 293.611



48, 3.879, 230.542



52, 37.432, 253.386



14, 15.537, 245.405

Previews

White Background



This preview shows how the CIELCh color 63, 63.689, 47.664 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, 63.689, 47.664 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, 63.689, 47.664

Background



This preview shows how black text looks on a background with the CIELCh color 63, 63.689, 47.664.



This preview shows how white text looks on a background with the CIELCh color 63, 63.689, 47.664.

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, 63.689, 47.664

Protanopia

63, 39.722, 96.105

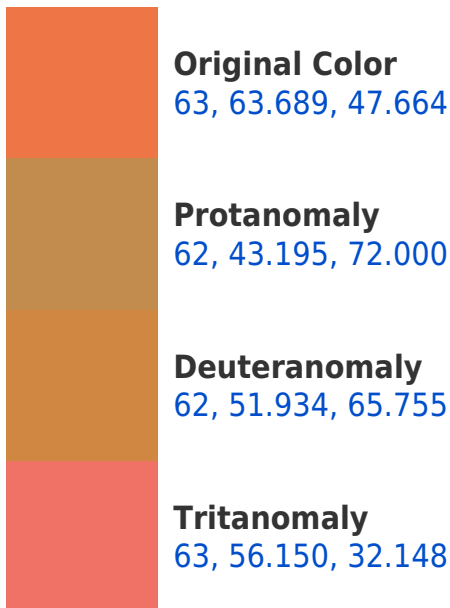
Deuteranopia

63, 49.013, 80.109



Tritanopia
63, 54.074, 21.548

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 63.689, 47.664 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(238, 118, 70)` looks like.

```
.text, #text, p{  
    color:rgb(238, 118, 70)  
}
```

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(238, 118, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 118, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 63.689, 47.664 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(238, 118, 70) }
```

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

```
.border{ border-color:rgb(238, 118, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 118, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 118, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 118, 70);  
box-shadow:4px 4px 4px 4px rgb(238, 118,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 63.689, 47.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 118, 70) }
```

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

```
.background{ background-color: rgb(238,  
118, 70) }
```

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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