

Converting Colors

CIELCh(72, 79.619, 43.790)

Have a look what the booklet for
CIELCh(72, 79.619, 43.790) contains.

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Color

CIELCh(67, 66.500, 46.532)

Conversions

Conversions Part 1

Format	Color
Hex	FF7E4E
RGB	255, 126, 78
RGB Percent	100%, 49%, 31%
CMY	0.0009, 0.5066, 0.6948
CMYK	0.00, 0.51, 0.69, 0.00
HSL	16°, 100%, 65%
HSV	16°, 69%, 100%
XYZ	49.9554, 36.6320, 11.6105
YIQ	159.0990, 92.2920, 12.4200

Conversions

Conversions Part 2

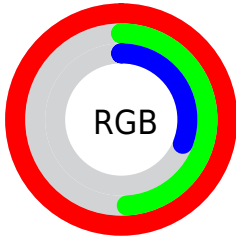
Format	Color
RYB	255, 144, 78
Decimal	16744014
CIELab	67.00, 45.75, 48.26
CIELCh	67, 66.500, 46.532
Yxy	36.6320, 0.5087, 0.3730
Android (android.graphics.Color)	4294934094 (0xFFFF7E4E)
YUV	159.0990, -39.9818, 84.1052
Hunter-Lab	60.5244, 41.4121, 30.9933

Details

The CIELCh color **67, 66.500, 46.532** 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, 39.484, 238.783**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 42.698, 60.342**, and **47, 66.629, 46.643** is the 20% darker color. If you saturate the color by 10%, you get **63, 77.966, 46.715**, and if you desaturate by 10%, it is **71, 55.049, 46.357**.

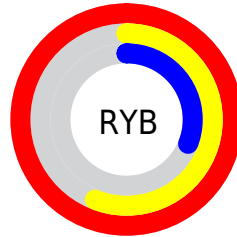
Distribution



Red (100%)

Green (49%)

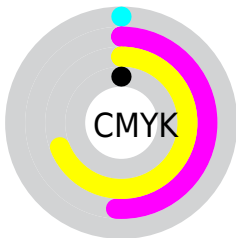
Blue (31%)



Red (100%)

Yellow (56%)

Blue (31%)

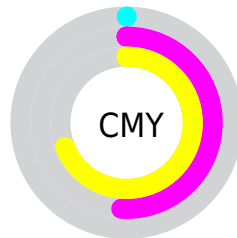


Cyan (0%)

Magenta (51%)

Yellow (69%)

Black (0%)



Cyan (0%)

Magenta (51%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 66.500, 46.532 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 67, 66.500, 46.532 by changing the saturation by 10% instead.

67, 66.500, 46.532

67, 66.500, 46.532

100, 66.500,
46.532

57, 66.500, 46.532

87, 66.500, 46.532

47, 66.500, 46.532

97, 66.500, 46.532

37, 66.500, 46.532

27, 66.500, 46.532

17, 66.500, 46.532

7, 66.500, 46.532

0, 66.500, 46.532

67, 66.500, 46.532

67, 66.500, 46.532

63, 77.966, 46.715

71, 55.049, 46.357

60, 88.403, 46.550

75, 44.084, 46.307

58, 96.220, 45.562

80, 33.790, 46.409

58, 96.611, 45.520

85, 24.220, 46.652

90, 15.363, 47.006

95, 7.176, 47.422

100, 0.083,
207.400

Harmonies

Complementary

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



67, 66.500, 46.532



78, 39.484, 238.783

Rectangle

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



67, 66.500, 46.532



67, 66.500, 96.532



67, 66.500, 226.532



67, 66.500, 276.532

Sweetspot

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



67, 66.498, 46.535



89, 16.699, 46.946



63, 83.921, 338.603



46, 11.429, 46.842



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67, 66.498, 46.535



62, 81.927, 46.724



87, 69.323, 89.462



50, 4.319, 47.420



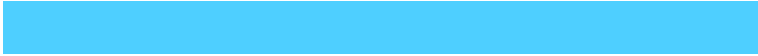
44, 77.377, 46.045



13, 28.948, 41.718

Inverse Universe

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



78, 39.484, 238.783



75, 43.529, 243.717



54, 77.671, 292.473



51, 4.090, 228.695



54, 37.851, 250.688



17, 16.762, 243.987

Previews

White Background



This preview shows how the CIELCh color 67, 66.500, 46.532 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 67, 66.500, 46.532 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 67, 66.500, 46.532

Background



This preview shows how black text looks on a background with the CIELCh color 67, 66.500, 46.532.



This preview shows how white text looks on a background with the CIELCh color 67, 66.500, 46.532.

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
67, 55.521, 21.520

Trichromacy



Original Color
67, 66.500, 46.532

Protanomaly
66, 44.210, 70.849

Deuteranomaly
66, 54.092, 64.647

Tritanomaly
67, 58.134, 32.246

Monochromacy



Original Color
67, 66.500, 46.532

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 22.353, 47.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 66.500, 46.532 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, 126, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 78)  
}
```

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, 126, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 66.500, 46.532 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, 126, 78) }
```

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

```
.border{ border-color:rgb(255, 126, 78) }
```

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

Here you see how a box with a 4 pixel rgb(255, 126, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 66.500, 46.532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 78) }
```

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

```
.background{ background-color: rgb(255,  
126, 78) }
```

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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