

Converting Colors

CIELCh(75, 88.516, 41.023)

Have a look what the booklet for
CIELCh(75, 88.516, 41.023) contains.

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Color

CIELCh(67, 66.414, 44.581)

Conversions

Conversions Part 1

Format	Color
Hex	FF7C51
RGB	255, 124, 81
RGB Percent	100%, 49%, 32%
CMY	0.0000, 0.5126, 0.6817
CMYK	0.00, 0.51, 0.68, 0.00
HSL	15°, 100%, 66%
HSV	15°, 68%, 100%
XYZ	50.5353, 36.6320, 12.2255
YIQ	158.2670, 91.8790, 14.3990

Conversions

Conversions Part 2

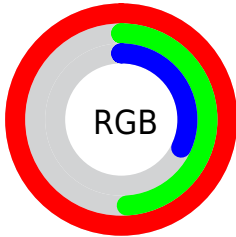
Format	Color
RYB	255, 138, 81
Decimal	16743505
CIELab	67.00, 47.30, 46.62
CIELCh	67, 66.414, 44.581
Yxy	36.6320, 0.5084, 0.3686
Android (android.graphics.Color)	4294933585 (0xFFFF7C51)
YUV	158.2670, -38.0926, 84.8348
Hunter-Lab	60.5244, 43.1224, 30.3909

Details

The CIELCh color **67, 66.414, 44.581** is a light color, and the websafe version is hex **FF6633**. The color can be described as light muted orange. A complement of this color would be **80, 38.728, 234.439**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 41.583, 57.326**, and **47, 65.847, 44.758** is the 20% darker color. If you saturate the color by 10%, you get **63, 77.463, 45.181**, and if you desaturate by 10%, it is **71, 54.238, 44.350**.

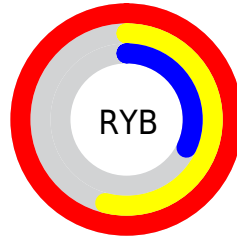
Distribution



Red (100%)

Green (49%)

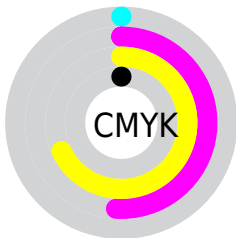
Blue (32%)



Red (100%)

Yellow (54%)

Blue (32%)

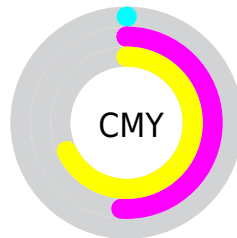


Cyan (0%)

Magenta (51%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (51%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 66.414, 44.581 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, 66.414, 44.581 by changing the saturation by 10% instead.

67, 66.414, 44.581

67, 66.414, 44.581

100, 66.414,
44.581

57, 66.414, 44.581

87, 66.414, 44.581

47, 66.414, 44.581

97, 66.414, 44.581

37, 66.414, 44.581

27, 66.414, 44.581

17, 66.414, 44.581

7, 66.414, 44.581

0, 66.414, 44.581

67, 66.414, 44.581

67, 66.414, 44.581

63, 77.463, 45.181

71, 54.238, 44.350

60, 88.271, 45.374

75, 43.206, 44.129

57, 96.479, 44.723

80, 32.869, 44.086

57, 97.787, 44.614

85, 23.273, 44.201

90, 14.405, 44.438

96, 6.219, 44.735

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.



67, 66.414, 44.581



80, 38.728, 234.439

Rectangle

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



67, 66.414, 44.581



67, 66.414, 94.581



67, 66.414, 224.581



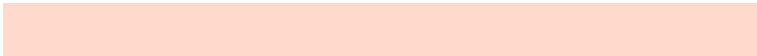
67, 66.414, 274.581

Sweetspot

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



67, 65.797, 44.735



89, 15.978, 44.387



63, 84.803, 336.840



46, 11.027, 44.315



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, 65.797, 44.735



62, 81.787, 45.313



86, 66.898, 87.099



50, 4.352, 44.698



43, 78.273, 45.104



12, 29.277, 40.136

Inverse Universe

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



80, 38.728, 234.439



76, 42.578, 239.004



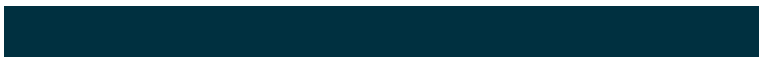
56, 72.620, 290.200



51, 4.113, 225.768



56, 36.795, 245.966



18, 16.469, 239.635

Previews

White Background



This preview shows how the CIELCh color 67, 66.414, 44.581 looks on a white background.

Color Contrast Check

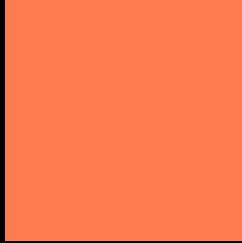
Large Text (above 18pt) WCAG AA × Fail

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, 66.414, 44.581 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, 66.414, 44.581

Background



This preview shows how black text looks on a background with the CIELCh color 67, 66.414, 44.581.



This preview shows how white text looks on a background with the CIELCh color 67, 66.414, 44.581.

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

67, 65.907, 44.669

Protanopia

67, 37.960, 95.582

Deuteranopia

67, 48.809, 80.118



Tritanopia
67, 55.985, 21.647

Trichromacy



Original Color
67, 65.907, 44.669

Protanomaly
66, 42.792, 69.079

Deuteranomaly
66, 52.140, 63.843

Tritanomaly
67, 58.196, 31.311

Monochromacy



Original Color
67, 65.907, 44.669

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 21.808, 44.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 66.414, 44.581 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, 124, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 124, 81)  
}
```

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, 124, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 124, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 66.414, 44.581 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, 124, 81) }
```

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

```
.border{ border-color:rgb(255, 124, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 124, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 124, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 124, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 124,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 66.414, 44.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 124, 81) }
```

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

```
.background{ background-color: rgb(255,  
124, 81) }
```

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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