

Converting Colors

CIELCh(67, 64.588, 43.633)

Have a look what the booklet for
CIELCh(67, 64.588, 43.633) contains.

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Color

CIELCh(67, 64.459, 43.701)

Conversions

Conversions Part 1

Format	Color
Hex	FF7D55
RGB	255, 125, 85
RGB Percent	100%, 49%, 33%
CMY	0.0000, 0.5094, 0.6663
CMYK	0.00, 0.51, 0.67, 0.00
HSL	14°, 100%, 67%
HSV	14°, 67%, 100%
XYZ	50.2726, 36.6320, 13.0344
YIQ	159.3100, 90.3200, 15.1200

Conversions

Conversions Part 2

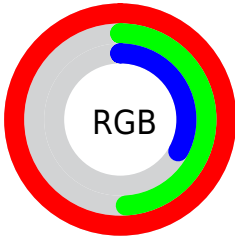
Format	Color
R _Y B	255, 137, 85
Decimal	16743765
CIE Lab	67.00, 46.60, 44.53
CIE LCh	67, 64.459, 43.701
Yxy	36.6320, 0.5030, 0.3665
Android (android.graphics.Color)	4294933845 (0xFFFF7D55)
YUV	159.3100, -36.6348, 83.9201
Hunter-Lab	60.5244, 42.3477, 29.5985

Details

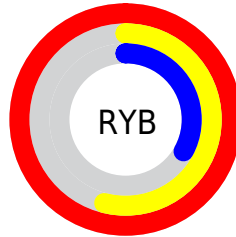
The CIELCh color **67, 64.459, 43.701** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **81, 38.113, 231.887**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 40.068, 56.180**, and **47, 64.408, 43.872** is the 20% darker color. If you saturate the color by 10%, you get **63, 76.175, 44.303**, and if you desaturate by 10%, it is **71, 52.838, 43.233**.

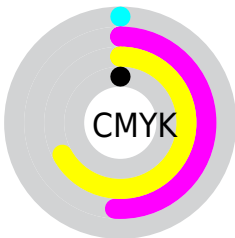
Distribution



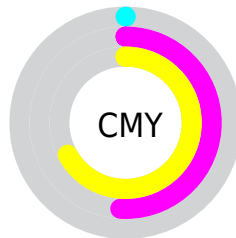
- Red (100%)
- Green (49%)
- Blue (33%)



- Red (100%)
- Yellow (54%)
- Blue (33%)



- Cyan (0%)
- Magenta (51%)
- Yellow (67%)
- Black (0%)



- Cyan (0%)
- Magenta (51%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 64.459, 43.701 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, 64.459, 43.701 by changing the saturation by 10% instead.

67, 64.459, 43.701

67, 64.459, 43.701

100, 64.459,
43.701

57, 64.459, 43.701

87, 64.459, 43.701

47, 64.459, 43.701

97, 64.459, 43.701

37, 64.459, 43.701

27, 64.459, 43.701

17, 64.459, 43.701

7, 64.459, 43.701

0, 64.459, 43.701

67, 64.459, 43.701

67, 64.459, 43.701

63, 76.175, 44.303

71, 52.838, 43.233

60, 87.278, 44.724

76, 41.831, 42.938

57, 95.976, 44.356

81, 31.535, 42.833

57, 98.362, 44.163

86, 21.989, 42.890

91, 13.175, 43.072

96, 5.042, 43.299

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, 64.459, 43.701



81, 38.113, 231.887

Rectangle

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



67, 64.459, 43.701



67, 64.459, 93.701



67, 64.459, 223.701



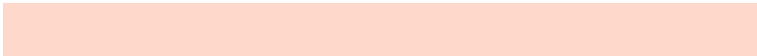
67, 64.459, 273.701

Sweetspot

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



67, 64.409, 43.715



89, 16.066, 43.000



64, 83.527, 336.697



46, 11.089, 42.948



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, 64.409, 43.715



62, 80.056, 44.487



86, 65.569, 87.326



50, 4.375, 43.242



43, 78.743, 44.633



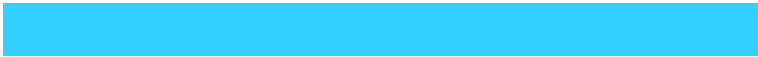
12, 29.459, 39.320

Inverse Universe

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



81, 38.113, 231.887



78, 41.856, 235.931



57, 70.818, 289.719



52, 4.130, 224.199



56, 36.325, 243.331



18, 16.348, 237.241

Previews

White Background



This preview shows how the CIELCh color 67, 64.459, 43.701 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, 64.459, 43.701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

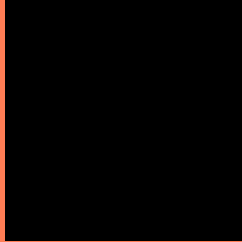
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 64.459, 43.701

Background



This preview shows how black text looks on a background with the CIELCh color 67, 64.459, 43.701.



This preview shows how white text looks on a background with the CIELCh color 67, 64.459, 43.701.

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, 64.459, 43.701

Protanopia

67, 35.413, 95.160

Deuteranopia

67, 46.953, 79.436



Tritanopia
67, 55.521, 21.520

Trichromacy



Original Color
67, 64.459, 43.701

Protanomaly
66, 40.597, 67.266

Deuteranomaly
67, 50.511, 63.291

Tritanomaly
67, 57.778, 30.330

Monochromacy



Original Color
67, 64.459, 43.701

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 21.498, 43.510

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 64.459, 43.701 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, 125, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 125, 85)  
}
```

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, 125, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 125, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 64.459, 43.701 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, 125, 85) }
```

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

```
.border{ border-color:rgb(255, 125, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 125, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 125, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 125, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 125,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 64.459, 43.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 125, 85) }
```

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

```
.background{ background-color: rgb(255,  
125, 85) }
```

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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