

# Converting Colors

CIELCh(67, 58.638, 33.897)

Have a look what the booklet for  
CIELCh(67, 58.638, 33.897) contains.

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# **Color**

**CIELCh(67, 58.555, 34.129)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7C6B
RGB	255, 124, 107
RGB Percent	100%, 49%, 42%
CMY	0.0010, 0.5145, 0.5812
CMYK	0.00, 0.51, 0.58, 0.00
HSL	7°, 100%, 71%
HSV	7°, 58%, 100%
XYZ	50.9731, 36.6320, 18.2395
YIQ	161.2310, 83.5330, 22.4850

# Conversions

## Conversions Part 2

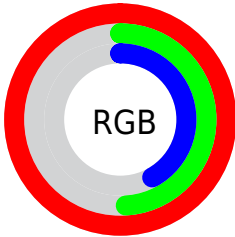
Format	Color
R <sub>Y</sub> B	255, 126, 107
Decimal	16743531
CIE Lab	67.00, 48.47, 32.85
CIE LCh	67, 58.555, 34.129
Yxy	36.6320, 0.4816, 0.3461
Android (android.graphics.Color)	4294933611 (0xFFFF7C6B)
YUV	161.2310, -26.7359, 82.2354
Hunter-Lab	60.5244, 44.4137, 24.4995

# Details

The CIELCh color **67, 58.555, 34.129** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **88, 36.582, 211.436**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 33.028, 40.178**, and **47, 58.696, 34.093** is the 20% darker color. If you saturate the color by 10%, you get **63, 70.695, 35.863**, and if you desaturate by 10%, it is **72, 46.782, 32.778**.

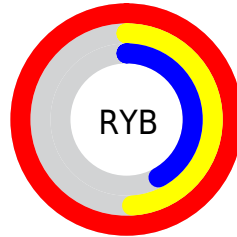
# Distribution



Red (100%)

Green (49%)

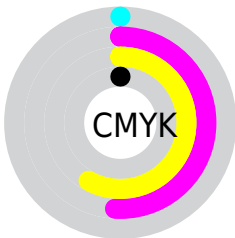
Blue (42%)



Red (100%)

Yellow (49%)

Blue (42%)

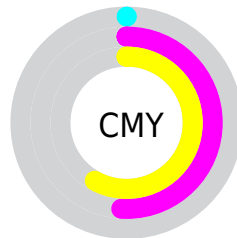


Cyan (0%)

Magenta (51%)

Yellow (58%)

Black (0%)



Cyan (0%)

Magenta (51%)

Yellow (58%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 58.555, 34.129 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, 58.555, 34.129 by changing the saturation by 10% instead.



 67, 58.555, 34.129

 67, 58.555, 34.129

 100, 58.555,  
34.129

 57, 58.555, 34.129

 87, 58.555, 34.129

 47, 58.555, 34.129

 97, 58.555, 34.129

 37, 58.555, 34.129

 27, 58.555, 34.129

 17, 58.555, 34.129

 7, 58.555, 34.129

 0, 58.555, 34.129

 67, 58.555, 34.129

 67, 58.555, 34.129

 63, 70.695, 35.863

 72, 46.782, 32.778

■ 59, 82.733, 37.891

■ 77, 35.628, 31.771

■ 56, 93.648, 39.851

■ 83, 25.210, 31.049

■ 54, 101.427,  
40.930

■ 89, 15.563, 30.546

■ 95, 6.667, 30.177

■ 54, 102.624,  
41.136

100, 0.086,  
207.140

# Harmonies

# Complementary

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



67, 58.555, 34.129



88, 36.582, 211.436

# Rectangle

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



67, 58.555, 34.129



67, 58.555, 84.129



67, 58.555, 214.129



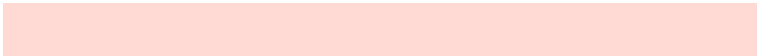
67, 58.555, 264.129

# Sweetspot

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



67, 58.552, 34.132



90, 14.582, 30.502



68, 82.372, 330.652



46, 9.836, 30.586



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, 58.552, 34.132



62, 73.099, 36.237



83, 53.358, 77.422



50, 4.726, 30.228



41, 82.392, 41.395



11, 31.246, 32.806



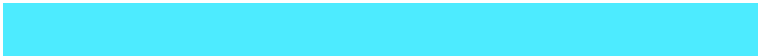


# Inverse Universe

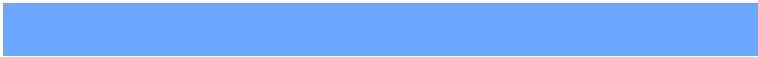
The Inverse Universe completely reimagines the original color for something new.



88, 36.582, 211.436



86, 40.534, 212.583



68, 50.277, 277.410



52, 4.441, 210.104



64, 35.584, 217.275



21, 16.523, 214.449



# Previews

## White Background



This preview shows how the CIELCh color 67, 58.555, 34.129 looks on a white background.

## Color Contrast Check

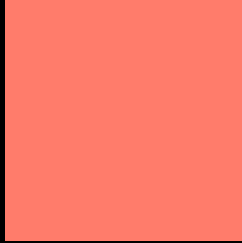
Large Text (above 18pt) WCAG AA × Fail

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, 58.555, 34.129 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, 58.555, 34.129**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 67, 58.555, 34.129.

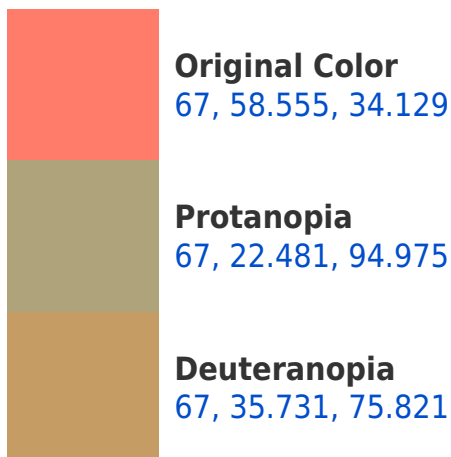


This preview shows how white text looks on a background with the CIELCh color 67, 58.555, 34.129.

# 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, 55.408, 20.971



# Trichromacy



**Original Color**  
67, 58.555, 34.129



**Protanomaly**  
66, 30.073, 56.316



**Deuteranomaly**  
67, 41.135, 54.155



**Tritanomaly**  
67, 56.143, 25.722

# Monochromacy



**Original Color**  
67, 58.555, 34.129



**Achromatopsia**  
66, 0.008, 296.813



**Achromatomaly**  
65, 20.006, 30.666

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 58.555, 34.129 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 124, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 124, 107) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 58.555, 34.129 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, 107) }
```

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

```
.border{ border-color:rgb(255, 124, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 124, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 124, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 124,  
107) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 58.555, 34.129 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, 107) }
```

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

```
.background{ background-color: rgb(255,  
124, 107) }
```

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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