

# Converting Colors

CIELCh(67, 62.271, 40.474)

Have a look what the booklet for  
CIELCh(67, 62.271, 40.474) contains.

<b>CIELCh(67, 62.045, 40.665)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(67, 62.045, 40.665)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7D5D
RGB	255, 125, 93
RGB Percent	100%, 49%, 36%
CMY	0.0008, 0.5105, 0.6359
CMYK	0.00, 0.51, 0.64, 0.00
HSL	12°, 100%, 68%
HSV	12°, 64%, 100%
XYZ	50.4452, 36.6320, 14.7311
YIQ	160.2220, 87.7520, 17.6080

# Conversions

## Conversions Part 2

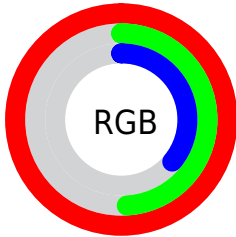
Format	Color
R <sub>Y</sub> B	255, 133, 93
Decimal	16743773
CIE Lab	67.00, 47.06, 40.43
CIE LCh	67, 62.045, 40.665
Yxy	36.6320, 0.4955, 0.3598
Android (android.graphics.Color)	4294933853 (0xFFFF7D5D)
YUV	160.2220, -33.1404, 83.1203
Hunter-Lab	60.5244, 42.8567, 27.9364

# Details

The CIELCh color **67, 62.045, 40.665** 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 **83, 37.087, 224.857**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 37.262, 51.703**, and **47, 62.024, 40.564** is the 20% darker color. If you saturate the color by 10%, you get **63, 73.993, 41.651**, and if you desaturate by 10%, it is **71, 50.410, 39.889**.

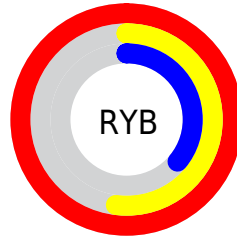
# Distribution



Red (100%)

Green (49%)

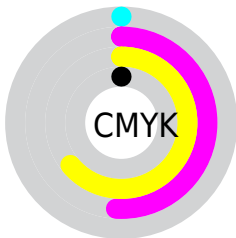
Blue (36%)



Red (100%)

Yellow (52%)

Blue (36%)

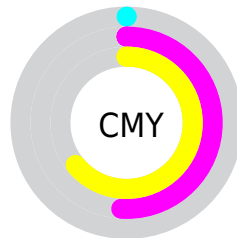


Cyan (0%)

Magenta (51%)

Yellow (64%)

Black (0%)



Cyan (0%)

Magenta (51%)

Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 62.045, 40.665 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, 62.045, 40.665 by changing the saturation by 10% instead.



67, 62.045, 40.665

67, 62.045, 40.665

100, 62.045,  
40.665

57, 62.045, 40.665

87, 62.045, 40.665

47, 62.045, 40.665

97, 62.045, 40.665

37, 62.045, 40.665

27, 62.045, 40.665

17, 62.045, 40.665

7, 62.045, 40.665

0, 62.045, 40.665

67, 62.045, 40.665

67, 62.045, 40.665

63, 73.993, 41.651

71, 50.410, 39.889

60, 85.582, 42.641

76, 39.391, 39.354

57, 95.316, 43.095

81, 29.108, 39.042

56, 99.915, 42.964

87, 19.589, 38.914

92, 10.811, 38.918

98, 2.723, 38.883

100, 0.071,  
208.780

# Harmonies

# Complementary

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



67, 62.045, 40.665



83, 37.087, 224.857

# Rectangle

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



67, 62.045, 40.665



67, 62.045, 90.665



67, 62.045, 220.665



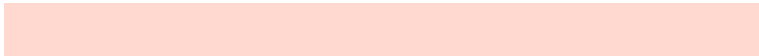
67, 62.045, 270.665

# Sweetspot

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



67, 62.043, 40.668



89, 15.505, 38.903



65, 83.475, 334.221



46, 10.801, 38.907



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, 62.043, 40.668



62, 76.942, 41.906



84, 60.929, 83.783



50, 4.459, 38.937



42, 80.075, 43.368



12, 30.017, 37.031





# Inverse Universe

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



83, 37.087, 224.857



81, 40.649, 227.721



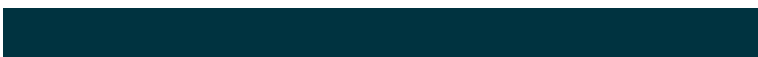
61, 62.514, 285.569



52, 4.200, 219.547



59, 35.354, 235.132



19, 16.146, 229.925



# Previews

## White Background



This preview shows how the CIELCh color 67, 62.045, 40.665 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, 62.045, 40.665 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, 62.045, 40.665

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 62.045, 40.665.

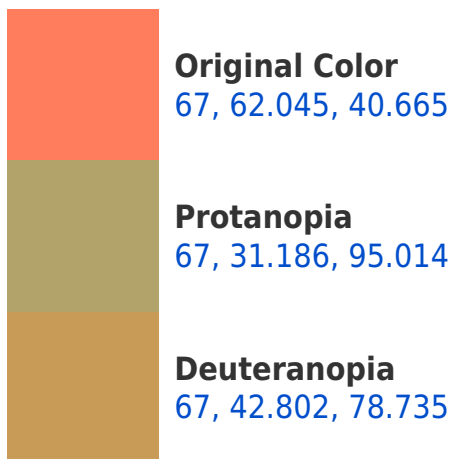


This preview shows how white text looks on a background with the CIELCh color 67, 62.045, 40.665.

# 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, 62.045, 40.665

**Protanomaly**  
66, 36.825, 64.280

**Deuteranomaly**  
67, 46.913, 60.862

**Tritanomaly**  
67, 57.188, 28.828

# Monochromacy



**Original Color**  
67, 62.045, 40.665

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
65, 20.519, 38.183

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 62.045, 40.665 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 125, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 125, 93) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 62.045, 40.665 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, 93) }
```

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

```
.border{ border-color:rgb(255, 125, 93) }
```

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, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 125, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 125, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 125,  
93) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 62.045, 40.665 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, 93) }
```

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

```
.background{ background-color: rgb(255,  
125, 93) }
```

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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