

# Converting Colors

CIELCh(67, 65.196, 55.910)

Have a look what the booklet for  
CIELCh(67, 65.196, 55.910) contains.

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# Color

**CIELCh(67, 65.122, 55.878)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F38641
RGB	243, 134, 65
RGB Percent	95%, 53%, 25%
CMY	0.0457, 0.4733, 0.7440
CMYK	0.00, 0.45, 0.73, 0.05
HSL	23°, 88%, 61%
HSV	23°, 73%, 95%
XYZ	46.6094, 36.6320, 9.6573
YIQ	158.7250, 87.1130, 1.6490

# Conversions

## Conversions Part 2

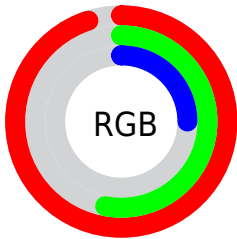
Format	Color
R <sub>YB</sub>	243, 178, 65
Decimal	15959617
CIE Lab	67.00, 36.53, 53.91
CIE LCh	67, 65.122, 55.878
Yxy	36.6320, 0.5017, 0.3943
Android (android.graphics.Color)	4294149697 (0xFFFF38641)
YUV	158.7250, -46.2064, 73.9092
Hunter-Lab	60.5244, 31.5440, 32.9067

# Details

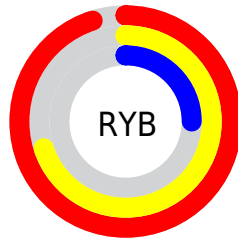
The CIELCh color **67, 65.122, 55.878** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **68, 44.091, 258.755**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 48.419, 70.248**, and **47, 65.318, 55.681** is the 20% darker color. If you saturate the color by 10%, you get **64, 74.945, 54.836**, and if you desaturate by 10%, it is **70, 54.872, 56.707**.

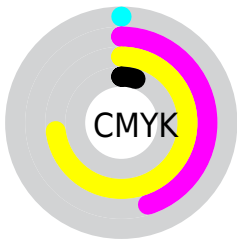
# Distribution



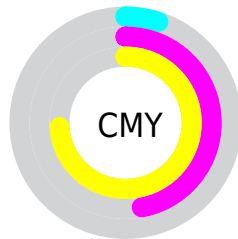
- Red (95%)
- Green (53%)
- Blue (25%)



- Red (95%)
- Yellow (70%)
- Blue (25%)



- Cyan (0%)
- Magenta (45%)
- Yellow (73%)
- Black (5%)



- Cyan (5%)
- Magenta (47%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 65.122, 55.878 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, 65.122, 55.878 by changing the saturation by 10% instead.



67, 65.122, 55.878

67, 65.122, 55.878

100, 65.122,  
55.878

57, 65.122, 55.878

87, 65.122, 55.878

47, 65.122, 55.878

97, 65.122, 55.878

37, 65.122, 55.878

27, 65.122, 55.878

17, 65.122, 55.878

7, 65.122, 55.878

0, 65.122, 55.878

67, 65.122, 55.878

67, 65.122, 55.878

64, 74.945, 54.836

70, 54.872, 56.707

61, 83.168, 53.188

74, 44.811, 57.497

59, 87.479, 51.665

78, 35.205, 58.318

82, 26.151, 59.190

86, 17.663, 60.105

90, 9.715, 61.042

95, 2.263, 61.847

99, 3.580, 211.556

99, 4.023, 199.315

# Harmonies

# Complementary

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



67, 65.122, 55.878



68, 44.091, 258.755

# Rectangle

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



67, 65.122, 55.878



67, 65.122, 105.878



67, 65.122, 235.878



67, 65.122, 285.878

# Sweetspot

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



67, 65.120, 55.881



90, 17.351, 60.210



58, 77.816, 345.697



47, 11.765, 59.957



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, 65.120, 55.881



65, 82.255, 54.113



88, 75.305, 97.072



49, 4.161, 61.381



46, 71.143, 52.310



13, 25.136, 50.310





# Inverse Universe

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



68, 44.091, 258.755



66, 52.759, 265.581



45, 92.231, 298.830



49, 3.999, 243.498



46, 45.387, 270.627



13, 18.291, 262.616



# Previews

## White Background



This preview shows how the CIELCh color 67, 65.122, 55.878 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, 65.122, 55.878 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, 65.122, 55.878

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 65.122, 55.878.



This preview shows how white text looks on a background with the CIELCh color 67, 65.122, 55.878.

# 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, 65.122, 55.878

**Protanopia**

67, 48.259, 96.071

**Deuteranopia**

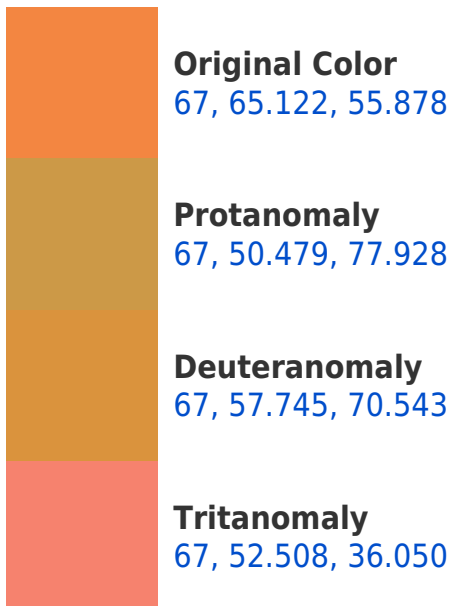
67, 55.897, 80.949



**Tritanopia**  
67, 49.421, 19.460



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 65.122, 55.878 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(243, 134, 65)` looks like.

```
.text, #text, p{  
    color:rgb(243, 134, 65)  
}
```

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(243, 134, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 134, 65) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 65.122, 55.878 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(243, 134, 65) }
```

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

```
.border{ border-color:rgb(243, 134, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 134, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 134, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 134, 65);  
box-shadow:4px 4px 4px 4px rgb(243, 134,  
65) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 65.122, 55.878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 134, 65) }
```

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

```
.background{ background-color: rgb(243,  
134, 65) }
```

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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