

Converting Colors

CIELCh(67, 70.188, 57.350)

Have a look what the booklet for
CIELCh(67, 70.188, 57.350) contains.

CIELCh(67, 70.113, 57.387)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(67, 70.113, 57.387)

Conversions

Conversions Part 1

Format	Color
Hex	F68536
RGB	246, 133, 54
RGB Percent	96%, 52%, 21%
CMY	0.0353, 0.4784, 0.7882
CMYK	0.00, 0.46, 0.78, 0.04
HSL	25°, 91%, 59%
HSV	25°, 78%, 96%
XYZ	47.0568, 36.6320, 8.0799
YIQ	157.7810, 92.7070, -0.6130

Conversions

Conversions Part 2

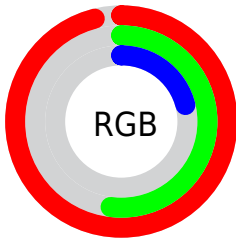
Format	Color
RYB	246, 188, 54
Decimal	16155958
CIELab	67.00, 37.79, 59.06
CIELCh	67, 70.113, 57.387
Yxy	36.6320, 0.5128, 0.3992
Android (android.graphics.Color)	4294346038 (0xFFFF68536)
YUV	157.7810, -51.1640, 77.3681
Hunter-Lab	60.5244, 32.8635, 34.4519

Details

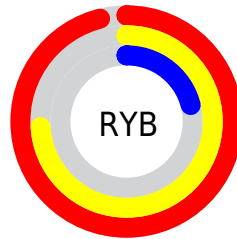
The CIELCh color **67, 70.113, 57.387** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **66, 48.465, 264.232**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 52.613, 72.149**, and **47, 68.207, 56.143** is the 20% darker color. If you saturate the color by 10%, you get **64, 79.128, 55.917**, and if you desaturate by 10%, it is **70, 60.100, 58.469**.

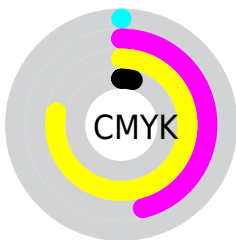
Distribution



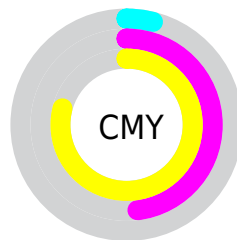
- Red (96%)
- Green (52%)
- Blue (21%)



- Red (96%)
- Yellow (74%)
- Blue (21%)



- Cyan (0%)
- Magenta (46%)
- Yellow (78%)
- Black (4%)



- Cyan (4%)
- Magenta (48%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 70.113, 57.387 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, 70.113, 57.387 by changing the saturation by 10% instead.

67, 70.113, 57.387

67, 70.113, 57.387

100, 70.113,
57.387

57, 70.113, 57.387

87, 70.113, 57.387

47, 70.113, 57.387

97, 70.113, 57.387

37, 70.113, 57.387

27, 70.113, 57.387

17, 70.113, 57.387

7, 70.113, 57.387

0, 70.113, 57.387

67, 70.113, 57.387

67, 70.113, 57.387

64, 79.128, 55.917

70, 60.100, 58.469

61, 85.865, 53.646

74, 49.971, 59.420

61, 87.051, 53.202

77, 40.147, 60.358

81, 30.803, 61.323

85, 21.994, 62.322

89, 13.713, 63.342

94, 5.929, 64.345

98, 1.404, 245.850

99, 3.116, 199.420

Harmonies

Complementary

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



67, 70.113, 57.387



66, 48.465, 264.232

Rectangle

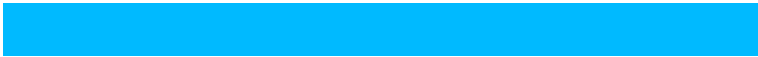
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 70.113, 57.387



67, 70.113, 107.387



67, 70.113, 237.387



67, 70.113, 287.387

Sweetspot

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



67, 70.111, 57.390



90, 18.276, 62.831



57, 80.422, 347.717



47, 12.795, 62.462



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, 70.111, 57.390



64, 85.876, 54.625



89, 80.222, 97.660



49, 4.188, 64.207



47, 70.228, 53.889



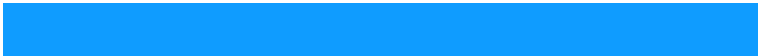
13, 24.952, 52.570

Inverse Universe

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



66, 48.465, 264.232



63, 58.135, 271.959



42, 101.615, 300.727



49, 4.040, 246.448



45, 47.628, 273.934



13, 19.011, 266.014

Previews

White Background



This preview shows how the CIELCh color 67, 70.113, 57.387 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, 70.113, 57.387 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, 70.113, 57.387

Background



This preview shows how black text looks on a background with the CIELCh color 67, 70.113, 57.387.



This preview shows how white text looks on a background with the CIELCh color 67, 70.113, 57.387.

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, 70.113, 57.387

Protanopia

67, 53.706, 95.860

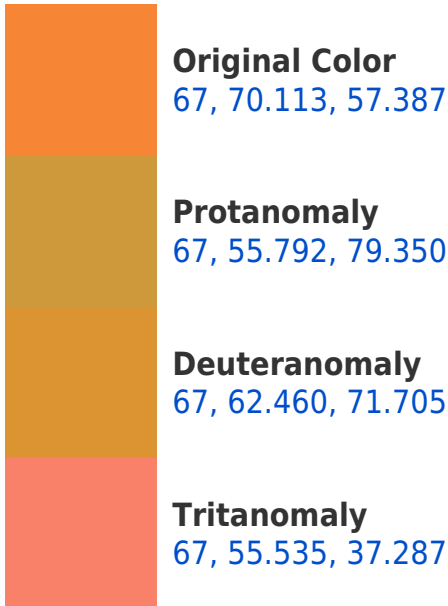
Deuteranopia

67, 60.704, 81.772

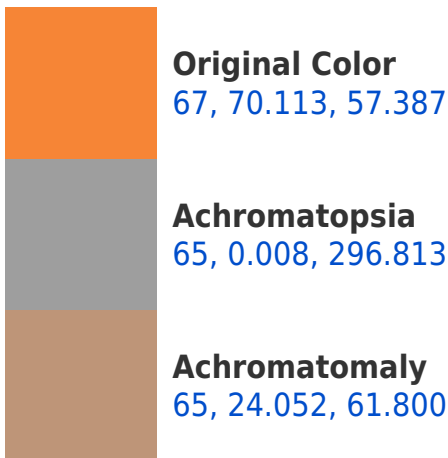


Tritanopia
67, 51.553, 20.005

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 70.113, 57.387 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(246, 133, 54)` looks like.

```
.text, #text, p{  
    color:rgb(246, 133, 54)  
}
```

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(246, 133, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 133, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 70.113, 57.387 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(246, 133, 54) }
```

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

```
.border{ border-color:rgb(246, 133, 54) }
```

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

Here you see how a box with a 4 pixel rgb(246, 133, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 133, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 133, 54);  
box-shadow:4px 4px 4px 4px rgb(246, 133,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 70.113, 57.387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 133, 54) }
```

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

```
.background{ background-color: rgb(246,  
133, 54) }
```

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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