

Converting Colors

CIELCh(67, 66.586, 58.518)

Have a look what the booklet for
CIELCh(67, 66.586, 58.518) contains.

CIELCh(67, 66.312, 58.695)	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, 66.312, 58.695)

Conversions

Conversions Part 1

Format	Color
Hex	F1883B
RGB	241, 136, 59
RGB Percent	95%, 53%, 23%
CMY	0.0548, 0.4666, 0.7686
CMYK	0.00, 0.44, 0.76, 0.05
HSL	25°, 87%, 59%
HSV	25°, 76%, 95%
XYZ	45.8773, 36.6320, 8.7922
YIQ	158.6170, 87.2970, -1.6870

Conversions

Conversions Part 2

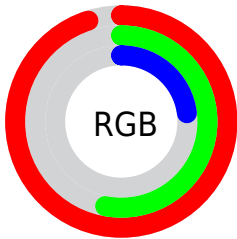
Format	Color
R _Y B	241, 192, 59
Decimal	15829051
CIE Lab	67.00, 34.46, 56.66
CIE LCh	67, 66.312, 58.695
Yxy	36.6320, 0.5025, 0.4012
Android (android.graphics.Color)	4294019131 (0xFFFF1883B)
YUV	158.6170, -49.1112, 72.2499
Hunter-Lab	60.5244, 29.3848, 33.7541

Details

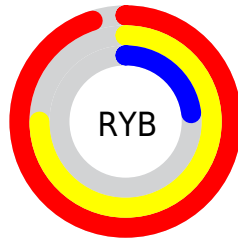
The CIELCh color **67, 66.312, 58.695** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **65, 47.226, 264.671**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 50.794, 72.905**, and **47, 66.041, 58.663** is the 20% darker color. If you saturate the color by 10%, you get **64, 75.418, 57.283**, and if you desaturate by 10%, it is **70, 56.473, 59.802**.

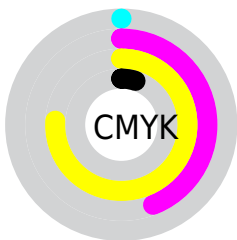
Distribution



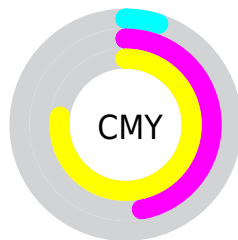
- Red (95%)
- Green (53%)
- Blue (23%)



- Red (95%)
- Yellow (75%)
- Blue (23%)



- Cyan (0%)
- Magenta (44%)
- Yellow (76%)
- Black (5%)



- Cyan (5%)
- Magenta (47%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 66.312, 58.695 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, 66.312, 58.695 by changing the saturation by 10% instead.

67, 66.312, 58.695

67, 66.312, 58.695

100, 66.312,
58.695

57, 66.312, 58.695

87, 66.312, 58.695

47, 66.312, 58.695

97, 66.312, 58.695

37, 66.312, 58.695

27, 66.312, 58.695

17, 66.312, 58.695

7, 66.312, 58.695

0, 66.312, 58.695

67, 66.312, 58.695

67, 66.312, 58.695

64, 75.418, 57.283

70, 56.473, 59.802

61, 82.549, 55.152

74, 46.631, 60.809

60, 85.143, 54.043

77, 37.124, 61.809

81, 28.091, 62.833

85, 19.567, 63.881

89, 11.542, 64.941

93, 3.980, 65.945

97, 3.162, 247.308

99, 4.817, 199.237

Harmonies

Complementary

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



67, 66.312, 58.695



65, 47.226, 264.671

Rectangle

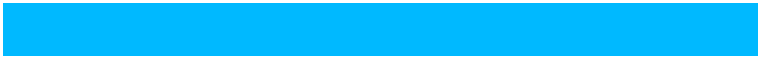
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 66.312, 58.695



67, 66.312, 108.695



67, 66.312, 238.695



67, 66.312, 288.695

Sweetspot

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



67, 66.310, 58.698



90, 18.327, 64.140



57, 77.195, 348.298



47, 12.827, 63.757



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, 66.310, 58.698



66, 83.346, 56.175



89, 78.214, 98.916



48, 4.133, 65.568



46, 69.065, 54.731



13, 23.645, 53.301

Inverse Universe

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



65, 47.226, 264.671



63, 57.824, 271.989



42, 98.328, 300.633



48, 3.994, 247.856



44, 48.232, 275.396



12, 18.721, 267.095

Previews

White Background



This preview shows how the CIELCh color 67, 66.312, 58.695 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, 66.312, 58.695 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, 66.312, 58.695

Background



This preview shows how black text looks on a background with the CIELCh color 67, 66.312, 58.695.



This preview shows how white text looks on a background with the CIELCh color 67, 66.312, 58.695.

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, 66.312, 58.695

Protanopia

67, 51.526, 95.753

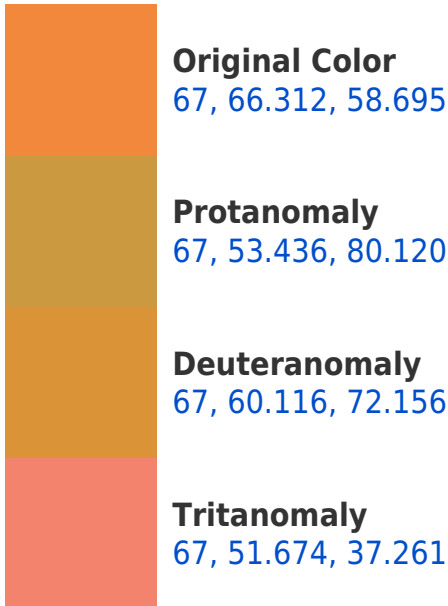
Deuteranopia

67, 58.478, 81.205



Tritanopia
67, 48.153, 19.132

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 66.312, 58.695 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(241, 136, 59)` looks like.

```
.text, #text, p{  
    color:rgb(241, 136, 59)  
}
```

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(241, 136, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 136, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 66.312, 58.695 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(241, 136, 59) }
```

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

```
.border{ border-color:rgb(241, 136, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 136, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 136, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 136, 59);  
box-shadow:4px 4px 4px 4px rgb(241, 136,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 66.312, 58.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 136, 59) }
```

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

```
.background{ background-color: rgb(241,  
136, 59) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor