

Converting Colors

CIELCh(69, 68.283, 67.757)

Have a look what the booklet for
CIELCh(69, 68.283, 67.757) contains.

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Color

CIELCh(69, 68.184, 67.850)

Conversions

Conversions Part 1

Format	Color
Hex	EC942F
RGB	236, 148, 47
RGB Percent	93%, 58%, 18%
CMY	0.0734, 0.4186, 0.8147
CMYK	0.00, 0.37, 0.80, 0.07
HSL	32°, 83%, 56%
HSV	32°, 80%, 93%
XYZ	45.8327, 39.3444, 7.8952
YIQ	162.7980, 84.8690, -12.7550

Conversions

Conversions Part 2

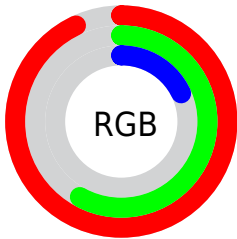
Format	Color
R _Y B	212, 236, 47
Decimal	15504431
CIE Lab	69.00, 25.71, 63.15
CIE LCh	69, 68.184, 67.850
Yxy	39.3444, 0.4924, 0.4227
Android (android.graphics.Color)	4293694511 (0xFFEC942F)
YUV	162.7980, -57.0884, 64.1982
Hunter-Lab	62.7251, 20.6595, 36.4447

Details

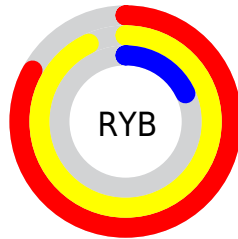
The CIELCh color **69, 68.184, 67.850** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **56, 58.952, 279.308**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 57.137, 81.966**, and **49, 62.711, 65.699** is the 20% darker color. If you saturate the color by 10%, you get **66, 75.037, 65.680**, and if you desaturate by 10%, it is **72, 59.777, 69.571**.

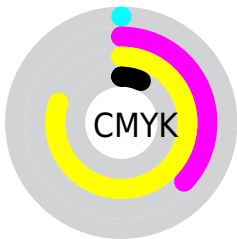
Distribution



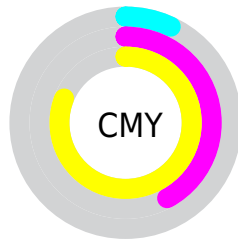
- Red (93%)
- Green (58%)
- Blue (18%)



- Red (83%)
- Yellow (93%)
- Blue (18%)



- Cyan (0%)
- Magenta (37%)
- Yellow (80%)
- Black (7%)



- Cyan (7%)
- Magenta (42%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 68.184, 67.850 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 69, 68.184, 67.850 by changing the saturation by 10% instead.

69, 68.184, 67.850

69, 68.184, 67.850

100, 68.184,
67.850

59, 68.184, 67.850

89, 68.184, 67.850

49, 68.184, 67.850

99, 68.184, 67.850

39, 68.184, 67.850

29, 68.184, 67.850

19, 68.184, 67.850

9, 68.184, 67.850

0, 68.184, 67.850

69, 68.184, 67.850

69, 68.184, 67.850

66, 75.037, 65.680

72, 59.777, 69.571

64, 79.640, 62.861

75, 50.742, 71.071

64, 79.641, 62.860

77, 41.614, 72.474

81, 32.659, 73.832

84, 23.996, 75.164

87, 15.666, 76.469

90, 7.670, 77.731

93, 0.012, 292.970

97, 5.409, 246.256

Harmonies

Complementary

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



69, 68.184, 67.850



56, 58.952, 279.308

Rectangle

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



69, 68.184, 67.850



69, 68.184, 117.850



69, 68.184, 247.850



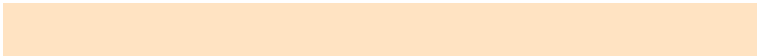
69, 68.184, 297.850

Sweetspot

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



69, 68.183, 67.853



92, 20.172, 75.938



54, 74.659, 358.032



48, 13.962, 75.469



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69, 68.183, 67.853



70, 82.732, 63.889



90, 84.790, 105.163



47, 4.328, 77.796



50, 65.063, 63.546



13, 22.232, 64.630

Inverse Universe

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



56, 58.952, 279.308



54, 75.557, 286.449



36, 110.673, 304.280



47, 4.254, 260.353



37, 59.667, 287.185



9, 21.851, 279.343

Previews

White Background



This preview shows how the CIELCh color 69, 68.184, 67.850 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 69, 68.184, 67.850 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 69, 68.184, 67.850

Background



This preview shows how black text looks on a background with the CIELCh color 69, 68.184, 67.850.



This preview shows how white text looks on a background with the CIELCh color 69, 68.184, 67.850.

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

69, 68.184, 67.850

Protanopia

69, 59.518, 95.364

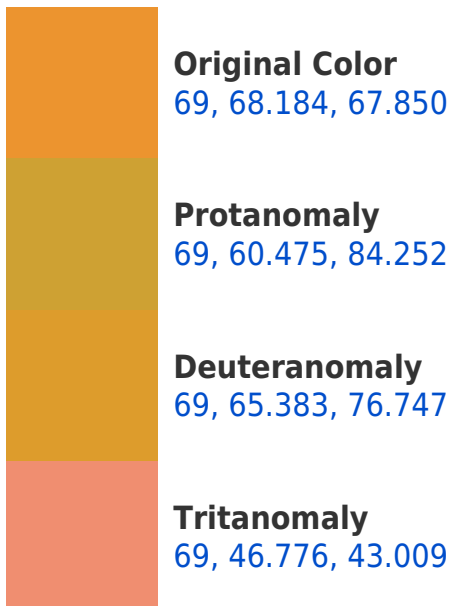
Deuteranopia

69, 64.547, 82.100



Tritanopia
69, 41.867, 16.560

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 68.184, 67.850 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(236, 148, 47)` looks like.

```
.text, #text, p{  
    color:rgb(236, 148, 47)  
}
```

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(236, 148, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 148, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 68.184, 67.850 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(236, 148, 47) }
```

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

```
.border{ border-color:rgb(236, 148, 47) }
```

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

Here you see how a box with a 4 pixel rgb(236, 148, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 148, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 148, 47);  
box-shadow:4px 4px 4px 4px rgb(236, 148,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 68.184, 67.850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 148, 47) }
```

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

```
.background{ background-color: rgb(236,  
148, 47) }
```

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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