

Converting Colors

CIELCh(67, 71.440, 68.733)

Have a look what the booklet for
CIELCh(67, 71.440, 68.733) contains.

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Color

CIELCh(67, 71.458, 68.814)

Conversions

Conversions Part 1

Format	Color
Hex	E78F1F
RGB	231, 143, 31
RGB Percent	91%, 56%, 12%
CMY	0.0951, 0.4400, 0.8794
CMYK	0.00, 0.38, 0.87, 0.10
HSL	34°, 80%, 51%
HSV	34°, 87%, 90%
XYZ	42.9148, 36.6320, 6.0874
YIQ	156.5440, 88.4000, -16.1760

Conversions

Conversions Part 2

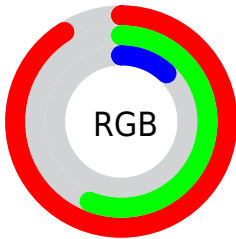
Format	Color
RYB	188, 231, 31
Decimal	15175455
CIELab	67.00, 25.82, 66.63
CIELCh	67, 71.458, 68.814
Yxy	36.6320, 0.5011, 0.4278
Android (android.graphics.Color)	4293365535 (0xFFE78F1F)
YUV	156.5440, -61.8932, 65.2979
Hunter-Lab	60.5244, 20.6480, 36.4038

Details

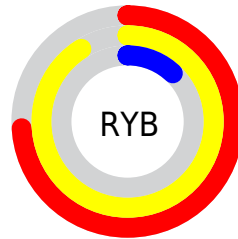
The CIELCh color **67, 71.458, 68.814** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **51, 65.717, 284.463**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 61.740, 80.903**, and **47, 61.585, 64.632** is the 20% darker color. If you saturate the color by 10%, you get **65, 76.260, 66.160**, and if you desaturate by 10%, it is **69, 64.376, 70.838**.

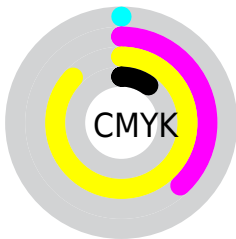
Distribution



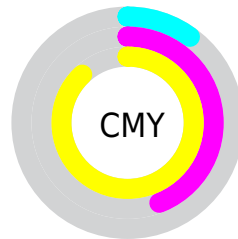
- Red (91%)
- Green (56%)
- Blue (12%)



- Red (74%)
- Yellow (91%)
- Blue (12%)



- Cyan (0%)
- Magenta (38%)
- Yellow (87%)
- Black (10%)



- Cyan (10%)
- Magenta (44%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 71.458, 68.814 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, 71.458, 68.814 by changing the saturation by 10% instead.

67, 71.458, 68.814

67, 71.458, 68.814

100, 71.458,
68.814

57, 71.458, 68.814

87, 71.458, 68.814

47, 71.458, 68.814

97, 71.458, 68.814

37, 71.458, 68.814

27, 71.458, 68.814

17, 71.458, 68.814

7, 71.458, 68.814

0, 71.458, 68.814

67, 71.458, 68.814

67, 71.458, 68.814

65, 76.260, 66.160

69, 64.376, 70.838

64, 77.563, 65.218

72, 56.033, 72.511

75, 47.201, 74.017

78, 38.317, 75.443

80, 29.596, 76.825

83, 21.136, 78.175

86, 12.968, 79.490

89, 5.093, 80.740

93, 2.505, 262.206

Harmonies

Complementary

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



67, 71.458, 68.814



51, 65.717, 284.463

Rectangle

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



67, 71.458, 68.814



67, 71.458, 118.814



67, 71.458, 248.814



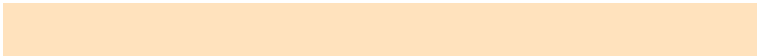
67, 71.458, 298.814

Sweetspot

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



67, 71.456, 68.817



91, 22.316, 78.246



51, 75.547, 1.717



48, 15.226, 77.780



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, 71.456, 68.817



70, 83.707, 65.001



88, 86.587, 105.928



47, 4.337, 80.405



50, 63.876, 65.874



13, 21.086, 67.258

Inverse Universe

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



51, 65.717, 284.463



50, 82.938, 290.307



32, 115.562, 305.368



46, 4.280, 262.968



36, 61.991, 289.321



7, 21.920, 281.150

Previews

White Background



This preview shows how the CIELCh color 67, 71.458, 68.814 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, 71.458, 68.814 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, 71.458, 68.814

Background



This preview shows how black text looks on a background with the CIELCh color 67, 71.458, 68.814.



This preview shows how white text looks on a background with the CIELCh color 67, 71.458, 68.814.

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, 71.458, 68.814

Protanopia

67, 63.456, 95.270

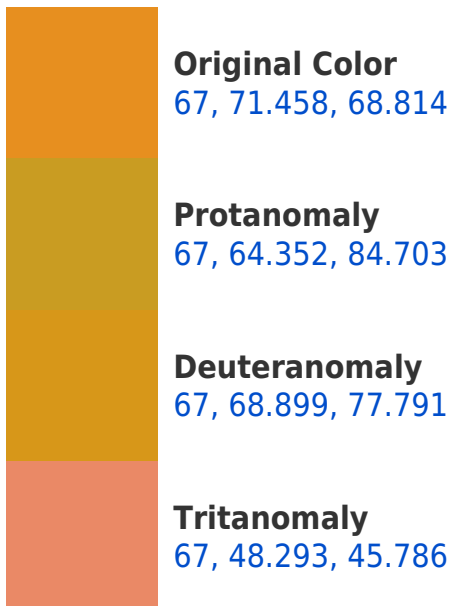
Deuteranopia

67, 68.097, 82.911



Tritanopia
67, 42.164, 16.757

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 71.458, 68.814 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(231, 143, 31)` looks like.

```
.text, #text, p{  
    color:rgb(231, 143, 31)  
}
```

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(231, 143, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 143, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 71.458, 68.814 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(231, 143, 31) }
```

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

```
.border{ border-color:rgb(231, 143, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 143, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 143, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 143, 31);  
box-shadow:4px 4px 4px 4px rgb(231, 143,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 71.458, 68.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 143, 31) }
```

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

```
.background{ background-color: rgb(231,  
143, 31) }
```

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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