

Converting Colors

CIELCh(67, 71.391, 69.340)

Have a look what the booklet for
CIELCh(67, 71.391, 69.340) contains.

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Color

CIELCh(67, 71.418, 69.182)

Conversions

Conversions Part 1

Format	Color
Hex	E68F1E
RGB	230, 143, 30
RGB Percent	90%, 56%, 12%
CMY	0.0974, 0.4386, 0.8816
CMYK	0.00, 0.38, 0.87, 0.10
HSL	34°, 80%, 51%
HSV	34°, 87%, 90%
XYZ	42.7664, 36.6320, 6.0571
YIQ	156.1310, 88.1250, -16.6990

Conversions

Conversions Part 2

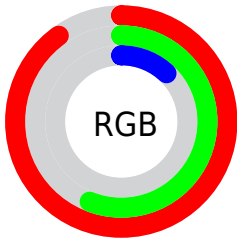
Format	Color
RYB	184, 230, 30
Decimal	15109918
CIELab	67.00, 25.38, 66.76
CIELCh	67, 71.418, 69.182
Yxy	36.6320, 0.5005, 0.4287
Android (android.graphics.Color)	4293299998 (0xFFE68F1E)
YUV	156.1310, -62.1826, 64.7831
Hunter-Lab	60.5244, 20.2103, 36.4335

Details

The CIELCh color **67, 71.418, 69.182** 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 **50, 66.288, 284.943**, 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, 61.253, 64.934** is the 20% darker color. If you saturate the color by 10%, you get **65, 76.106, 66.518**, and if you desaturate by 10%, it is **69, 64.436, 71.220**.

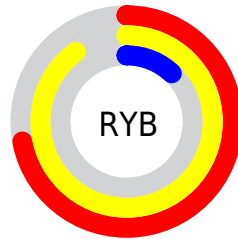
Distribution



Red (90%)

Green (56%)

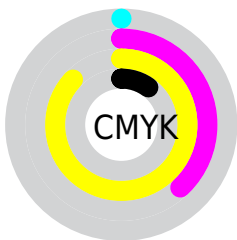
Blue (12%)



Red (72%)

Yellow (90%)

Blue (12%)

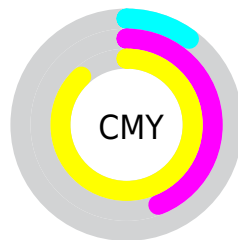


Cyan (0%)

Magenta (38%)

Yellow (87%)

Black (10%)



Cyan (10%)

Magenta (44%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 71.418, 69.182 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, 71.418, 69.182 by changing the saturation by 10% instead.

67, 71.418, 69.182

67, 71.418, 69.182

100, 71.418,
69.182

57, 71.418, 69.182

87, 71.418, 69.182

47, 71.418, 69.182

97, 71.418, 69.182

37, 71.418, 69.182

27, 71.418, 69.182

17, 71.418, 69.182

7, 71.418, 69.182

0, 71.418, 69.182

67, 71.418, 69.182

67, 71.418, 69.182

65, 76.106, 66.518

69, 64.436, 71.220

64, 77.310, 65.639

72, 56.161, 72.904

75, 47.369, 74.418

77, 38.506, 75.851

80, 29.794, 77.239

83, 21.331, 78.593

86, 13.154, 79.912

89, 5.264, 81.166

92, 2.354, 262.638

Harmonies

Complementary

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



67, 71.418, 69.182



50, 66.288, 284.943

Rectangle

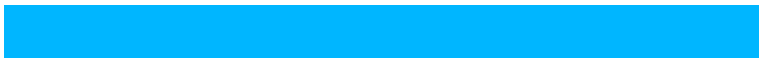
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 71.418, 69.182



67, 71.418, 119.182



67, 71.418, 249.182



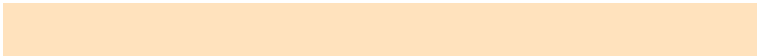
67, 71.418, 299.182

Sweetspot

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



67, 71.416, 69.185



91, 22.387, 78.692



51, 75.461, 1.793



48, 15.272, 78.225



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, 71.416, 69.185



70, 83.595, 65.418



88, 86.498, 105.926



47, 4.354, 80.855



50, 63.800, 66.285



13, 21.111, 67.763

Inverse Universe

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



50, 66.288, 284.943



50, 83.664, 290.667



32, 115.517, 305.392



46, 4.299, 263.419



35, 62.531, 289.689



7, 22.084, 281.528

Previews

White Background



This preview shows how the CIELCh color 67, 71.418, 69.182 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, 71.418, 69.182 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, 71.418, 69.182

Background



This preview shows how black text looks on a background with the CIELCh color 67, 71.418, 69.182.



This preview shows how white text looks on a background with the CIELCh color 67, 71.418, 69.182.

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, 71.418, 69.182

Protanopia

67, 63.456, 95.270

Deuteranopia

67, 68.097, 82.911



Tritanopia
67, 42.164, 16.757

Trichromacy



Original Color
67, 71.418, 69.182

Protanomaly
67, 64.352, 84.703

Deuteranomaly
67, 68.899, 77.791

Tritanomaly
67, 48.293, 45.786

Monochromacy



Original Color
67, 71.418, 69.182

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 26.806, 76.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 71.418, 69.182 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(230, 143, 30)` looks like.

```
.text, #text, p{  
    color:rgb(230, 143, 30)  
}
```

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(230, 143, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 143, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 71.418, 69.182 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(230, 143, 30) }
```

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

```
.border{ border-color:rgb(230, 143, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 143, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 143, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 143, 30);  
box-shadow:4px 4px 4px 4px rgb(230, 143,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 71.418, 69.182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 143, 30) }
```

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

```
.background{ background-color: rgb(230,  
143, 30) }
```

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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