

Converting Colors

CIELCh(69, 79.393, 67.608)

Have a look what the booklet for
CIELCh(69, 79.393, 67.608) contains.

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Color

CIELCh(69, 79.380, 67.501)

Conversions

Conversions Part 1

Format	Color
Hex	F49009
RGB	244, 144, 9
RGB Percent	96%, 56%, 4%
CMY	0.0418, 0.4342, 0.9658
CMYK	0.00, 0.41, 0.96, 0.04
HSL	35°, 93%, 50%
HSV	35°, 96%, 96%
XYZ	47.4894, 39.3444, 5.3413
YIQ	158.5100, 102.9350, -20.7850

Conversions

Conversions Part 2

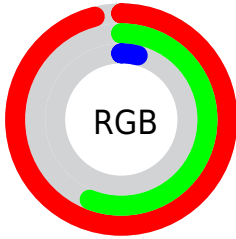
Format	Color
RYB	183, 244, 9
Decimal	16027657
CIELab	69.00, 30.38, 73.34
CIElCh	69, 79.380, 67.501
Yxy	39.3444, 0.5152, 0.4268
Android (android.graphics.Color)	4294217737 (0xFFFF49009)
YUV	158.5100, -73.7084, 74.9747
Hunter-Lab	62.7251, 25.3742, 38.8588

Details

The CIELCh color **69, 79.380, 67.501** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **49, 79.243, 289.946**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 65.973, 82.418**, and **49, 65.524, 61.802** is the 20% darker color. If you saturate the color by 10%, you get **68, 80.687, 66.466**, and if you desaturate by 10%, it is **71, 74.582, 70.167**.

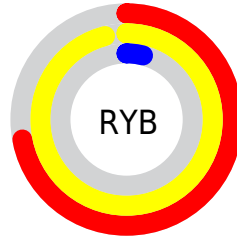
Distribution



Red (96%)

Green (56%)

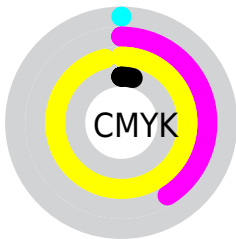
Blue (4%)



Red (72%)

Yellow (96%)

Blue (4%)

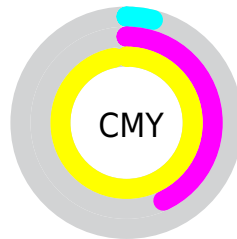


Cyan (0%)

Magenta (41%)

Yellow (96%)

Black (4%)



Cyan (4%)

Magenta (43%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 79.380, 67.501 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, 79.380, 67.501 by changing the saturation by 10% instead.

69, 79.380, 67.501

69, 79.380, 67.501

100, 79.380,
67.501

59, 79.380, 67.501

89, 79.380, 67.501

49, 79.380, 67.501

99, 79.380, 67.501

39, 79.380, 67.501

29, 79.380, 67.501

19, 79.380, 67.501

9, 79.380, 67.501

0, 79.380, 67.501

69, 79.380, 67.501

69, 79.380, 67.501

68, 80.687, 66.466

71, 74.582, 70.167

74, 67.339, 72.207

77, 58.712, 73.905

79, 49.517, 75.435

82, 40.224, 76.882

85, 31.069, 78.283

88, 22.161, 79.648

91, 13.538, 80.975

94, 5.204, 82.233

Harmonies

Complementary

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



69, 79.380, 67.501



49, 79.243, 289.946

Rectangle

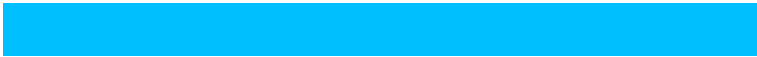
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 79.380, 67.501



69, 79.380, 117.501



69, 79.380, 247.501



69, 79.380, 297.501

Sweetspot

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



69, 79.378, 67.504



91, 25.286, 79.292



53, 81.175, 7.655



47, 17.477, 78.708



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, 79.378, 67.504



71, 83.360, 66.377



92, 93.495, 106.949



50, 4.632, 81.862



53, 65.676, 67.117



16, 24.863, 69.268

Inverse Universe

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



49, 79.243, 289.946



50, 85.328, 291.468



32, 127.608, 306.256



48, 4.579, 264.442



36, 65.997, 290.638



9, 25.326, 284.029

Previews

White Background



This preview shows how the CIELCh color 69, 79.380, 67.501 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, 79.380, 67.501 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, 79.380, 67.501

Background



This preview shows how black text looks on a background with the CIELCh color 69, 79.380, 67.501.



This preview shows how white text looks on a background with the CIELCh color 69, 79.380, 67.501.

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, 79.264, 67.460

Protanopia

69, 68.964, 95.160

Deuteranopia

69, 73.163, 83.307



Tritanopia
69, 47.345, 18.161

Trichromacy



Original Color
69, 79.264, 67.460

Protanomaly
69, 70.400, 83.970

Deuteranomaly
69, 74.570, 77.152

Tritanomaly
69, 56.073, 47.220

Monochromacy



Original Color
69, 79.264, 67.460

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 31.984, 77.709

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 79.380, 67.501 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(244, 144, 9)` looks like.

```
.text, #text, p{  
    color:rgb(244, 144, 9)  
}
```

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(244, 144, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 144, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 79.380, 67.501 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(244, 144, 9) }
```

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

```
.border{ border-color:rgb(244, 144, 9) }
```

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

Here you see how a box with a 4 pixel rgb(244, 144, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 144, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 144, 9);  
box-shadow:4px 4px 4px 4px rgb(244, 144,  
9) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 79.380, 67.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 144, 9) }
```

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

```
.background{ background-color: rgb(244,  
144, 9) }
```

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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