

Converting Colors

CIELCh(67, 70.211, 88.030)

Have a look what the booklet for
CIELCh(67, 70.211, 88.030) contains.

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Color

CIELCh(67, 70.309, 88.016)

Conversions

Conversions Part 1

Format	Color
Hex	C69F02
RGB	198, 159, 2
RGB Percent	78%, 62%, 1%
CMY	0.2251, 0.3778, 0.9916
CMYK	0.00, 0.20, 0.99, 0.23
HSL	48°, 98%, 39%
HSV	48°, 99%, 77%
XYZ	35.5331, 36.6320, 5.2592
YIQ	152.7630, 73.6410, -40.5590

Conversions

Conversions Part 2

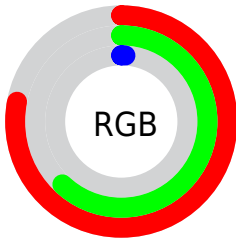
Format	Color
R_{YB}	51, 198, 2
Decimal	13016834
CIE _{Lab}	67.00, 2.43, 70.27
CIE _{LCh}	67, 70.309, 88.016
Yxy	36.6320, 0.4589, 0.4731
Android (android.graphics.Color)	4291206914 (0xFFC69F02)
YUV	152.7630, -74.3262, 39.6728
Hunter-Lab	60.5244, -1.1224, 37.2151

Details

The CIELCh color **67, 70.309, 88.016** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **29, 96.109, 302.338**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 69.930, 89.260**, and **47, 53.999, 86.297** is the 20% darker color. If you saturate the color by 10%, you get **67, 70.519, 87.857**, and if you desaturate by 10%, it is **68, 68.060, 89.499**.

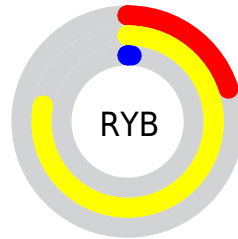
Distribution



Red (78%)

Green (62%)

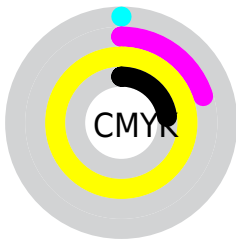
Blue (1%)



Red (20%)

Yellow (78%)

Blue (1%)

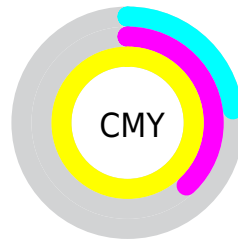


Cyan (0%)

Magenta (20%)

Yellow (99%)

Black (23%)



Cyan (23%)

Magenta (38%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 70.309, 88.016 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, 70.309, 88.016 by changing the saturation by 10% instead.

67, 70.309, 88.016

67, 70.309, 88.016

100, 70.309,
88.016

57, 70.309, 88.016

87, 70.309, 88.016

47, 70.309, 88.016

97, 70.309, 88.016

37, 70.309, 88.016

27, 70.309, 88.016

17, 70.309, 88.016

7, 70.309, 88.016

0, 70.309, 88.016

67, 70.309, 88.016

67, 70.309, 88.016

67, 70.519, 87.857

68, 68.060, 89.499

69, 63.676, 90.860

70, 57.452, 92.149

72, 50.037, 93.407

73, 41.938, 94.650

74, 33.485, 95.880

75, 24.879, 97.092

77, 16.235, 98.278

78, 7.619, 99.426

Harmonies

Complementary

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



67, 70.309, 88.016



29, 96.109, 302.338

Rectangle

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



67, 70.309, 88.016



67, 70.309, 138.016



67, 70.309, 268.016



67, 70.309, 318.016

Sweetspot

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



67, 70.308, 88.018



95, 31.758, 96.906



41, 76.296, 29.199



50, 21.671, 96.389



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, 70.308, 88.018



84, 85.331, 87.593



73, 84.098, 119.845



41, 4.875, 99.373



56, 61.265, 88.097



11, 16.048, 92.488

Inverse Universe

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



29, 96.109, 302.338



37, 119.089, 302.961



27, 106.668, 308.286



39, 4.931, 281.581



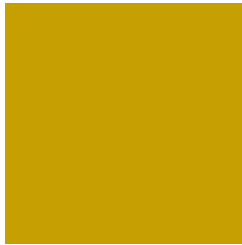
23, 83.204, 302.219



3, 18.550, 286.021

Previews

White Background



This preview shows how the CIELCh color 67, 70.309, 88.016 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, 70.309, 88.016 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, 70.309, 88.016

Background



This preview shows how black text looks on a background with the CIELCh color 67, 70.309, 88.016.



This preview shows how white text looks on a background with the CIELCh color 67, 70.309, 88.016.

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, 70.438, 88.029

Protanopia

67, 69.150, 95.336

Deuteranopia

67, 69.549, 83.167



Tritanopia
67, 24.111, 6.135

Trichromacy



Original Color
67, 70.438, 88.029

Protanomaly
67, 69.340, 92.607

Deuteranomaly
67, 69.717, 84.769

Tritanomaly
66, 36.006, 67.720

Monochromacy



Original Color
67, 70.438, 88.029

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 31.478, 94.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 70.309, 88.016 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(198, 159, 2)` looks like.

```
.text, #text, p{  
    color:rgb(198, 159, 2)  
}
```

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(198, 159, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 159, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 70.309, 88.016 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(198, 159, 2) }
```

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

```
.border{ border-color:rgb(198, 159, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 159, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 159, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 159, 2);  
box-shadow:4px 4px 4px 4px rgb(198, 159,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 70.309, 88.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 159, 2) }
```

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

```
.background{ background-color: rgb(198,  
159, 2) }
```

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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