

Converting Colors

CIELCh(67, 71.094, 84.331)

Have a look what the booklet for
CIELCh(67, 71.094, 84.331) contains.

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Color

CIELCh(67, 71.205, 84.240)

Conversions

Conversions Part 1

Format	Color
Hex	CD9C00
RGB	205, 156, 0
RGB Percent	80%, 61%, 0%
CMY	0.1972, 0.3892, 0.9984
CMYK	0.00, 0.24, 1.00, 0.20
HSL	46°, 100%, 40%
HSV	46°, 100%, 80%
XYZ	36.9460, 36.6320, 5.1348
YIQ	152.8670, 79.2800, -38.1280

Conversions

Conversions Part 2

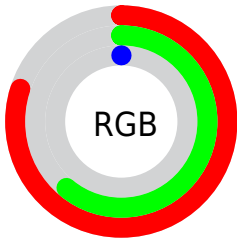
Format	Color
RYB	64, 205, 0
Decimal	13474816
CIELab	67.00, 7.15, 70.85
CIELCh	67, 71.205, 84.240
Yxy	36.6320, 0.4694, 0.4654
Android (android.graphics.Color)	4291664896 (0xFFCD9C00)
YUV	152.8670, -75.3634, 45.7206
Hunter-Lab	60.5244, 3.0445, 37.3369

Details

The CIELCh color **67, 71.205, 84.240** 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 **31, 95.140, 301.172**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 69.599, 88.035**, and **47, 54.730, 81.520** is the 20% darker color. If you saturate the color by 10%, you get **67, 71.246, 84.207**, and if you desaturate by 10%, it is **68, 68.918, 86.034**.

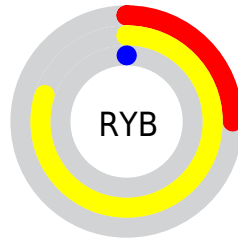
Distribution



Red (80%)

Green (61%)

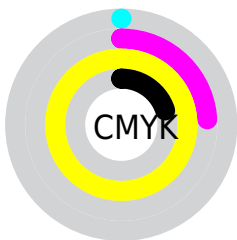
Blue (0%)



Red (25%)

Yellow (80%)

Blue (0%)

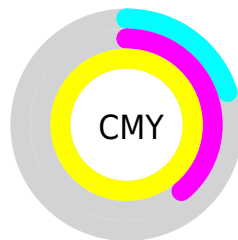


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (39%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 71.205, 84.240 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, 71.205, 84.240 by changing the saturation by 10% instead.

■ 67, 71.205, 84.240

■ 67, 71.205, 84.240

■ 100, 71.205,
84.240

■ 57, 71.205, 84.240

■ 87, 71.205, 84.240

■ 47, 71.205, 84.240

■ 97, 71.205, 84.240

■ 37, 71.205, 84.240

■ 27, 71.205, 84.240

■ 17, 71.205, 84.240

■ 7, 71.205, 84.240

■ 0, 71.205, 84.240

■ 67, 71.205, 84.240

■ 67, 71.205, 84.240

■ 67, 71.246, 84.207

■ 68, 68.918, 86.034

70, 64.497, 87.622

71, 58.177, 89.065

72, 50.661, 90.432

74, 42.489, 91.758

76, 34.003, 93.055

77, 25.404, 94.324

79, 16.806, 95.561

81, 8.269, 96.755

Harmonies

Complementary

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



67, 71.205, 84.240



31, 95.140, 301.172

Rectangle

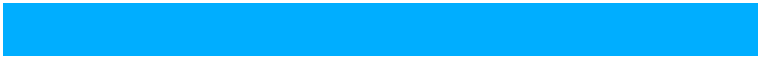
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 71.205, 84.240



67, 71.205, 134.240



67, 71.205, 264.240



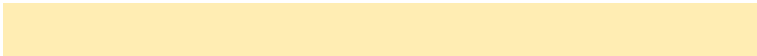
67, 71.205, 314.240

Sweetspot

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



67, 71.204, 84.243



94, 30.573, 94.251



43, 76.467, 25.802



49, 20.883, 93.712



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, 71.204, 84.243



82, 83.987, 83.926



76, 85.359, 117.446



42, 4.772, 96.802



55, 60.974, 84.530



11, 16.797, 88.417

Inverse Universe

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



31, 95.140, 301.172



39, 113.824, 301.589



27, 110.910, 307.678



40, 4.812, 279.093



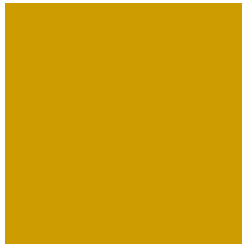
24, 80.334, 300.779



3, 19.687, 285.659

Previews

White Background



This preview shows how the CIELCh color 67, 71.205, 84.240 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, 71.205, 84.240 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, 71.205, 84.240

Background



This preview shows how black text looks on a background with the CIELCh color 67, 71.205, 84.240.



This preview shows how white text looks on a background with the CIELCh color 67, 71.205, 84.240.

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, 71.335, 84.260

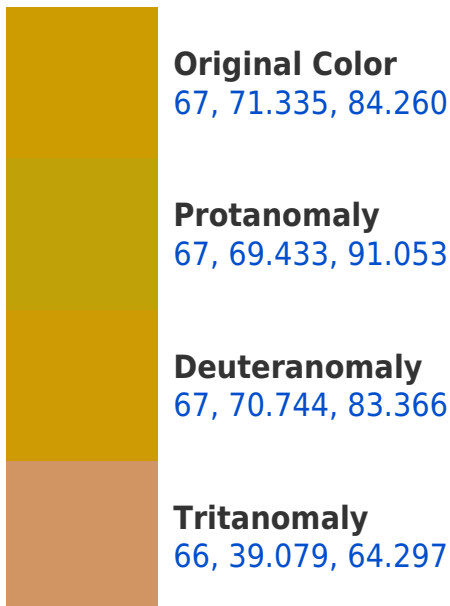
Protanopia
67, 68.897, 95.335

Deuteranopia
67, 70.667, 82.980



Tritanopia
67, 27.227, 9.545

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 71.205, 84.240 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(205, 156, 0)` looks like.

```
.text, #text, p{  
    color:rgb(205, 156, 0)  
}
```

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(205, 156, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 156, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 71.205, 84.240 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(205, 156, 0) }
```

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

```
.border{ border-color:rgb(205, 156, 0) }
```

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

Here you see how a box with a 4 pixel rgb(205, 156, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 156, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 156, 0);  
box-shadow:4px 4px 4px 4px rgb(205, 156,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 71.205, 84.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 156, 0) }
```

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

```
.background{ background-color: rgb(205,  
156, 0) }
```

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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