

Converting Colors

CIELCh(67, 68.350, 85.583)

Have a look what the booklet for
CIELCh(67, 68.350, 85.583) contains.

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Color

CIELCh(67, 68.305, 85.771)

Conversions

Conversions Part 1

Format	Color
Hex	C99D12
RGB	201, 157, 18
RGB Percent	79%, 62%, 7%
CMY	0.2113, 0.3838, 0.9286
CMYK	0.00, 0.22, 0.91, 0.21
HSL	46°, 83%, 43%
HSV	46°, 91%, 79%
XYZ	36.3090, 36.6320, 5.7383
YIQ	154.3100, 70.8430, -33.9010

Conversions

Conversions Part 2

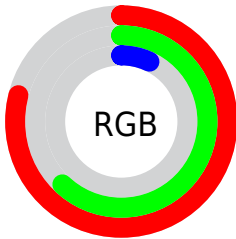
Format	Color
RYB	76, 201, 18
Decimal	13212946
CIELab	67.00, 5.04, 68.12
CIELCh	67, 68.305, 85.771
Yxy	36.6320, 0.4615, 0.4656
Android (android.graphics.Color)	4291403026 (0xFFC99D12)
YUV	154.3100, -67.2008, 40.9471
Hunter-Lab	60.5244, 1.1659, 36.7458

Details

The CIELCh color **67, 68.305, 85.771** 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 **34, 85.239, 298.545**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 67.121, 88.101**, and **47, 54.248, 83.574** is the 20% darker color. If you saturate the color by 10%, you get **66, 70.294, 84.142**, and if you desaturate by 10%, it is **68, 64.177, 87.386**.

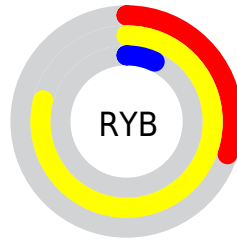
Distribution



Red (79%)

Green (62%)

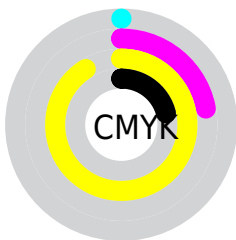
Blue (7%)



Red (30%)

Yellow (79%)

Blue (7%)

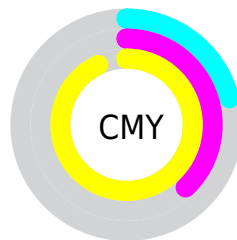


Cyan (0%)

Magenta (22%)

Yellow (91%)

Black (21%)



Cyan (21%)

Magenta (38%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 68.305, 85.771 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, 68.305, 85.771 by changing the saturation by 10% instead.

67, 68.305, 85.771

67, 68.305, 85.771

100, 68.305,
85.771

57, 68.305, 85.771

87, 68.305, 85.771

47, 68.305, 85.771

97, 68.305, 85.771

37, 68.305, 85.771

27, 68.305, 85.771

17, 68.305, 85.771

7, 68.305, 85.771

0, 68.305, 85.771

67, 68.305, 85.771

67, 68.305, 85.771

66, 70.294, 84.142

68, 64.177, 87.386

70, 58.108, 88.842

71, 50.796, 90.216

73, 42.792, 91.546

74, 34.453, 92.846

76, 25.988, 94.118

77, 17.516, 95.358

79, 9.099, 96.557

81, 0.770, 97.510

Harmonies

Complementary

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



67, 68.305, 85.771



34, 85.239, 298.545

Rectangle

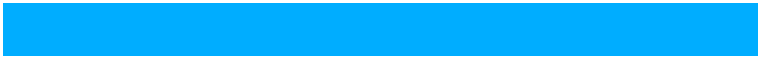
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 68.305, 85.771



67, 68.305, 135.771



67, 68.305, 265.771



67, 68.305, 315.771

Sweetspot

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



67, 68.304, 85.774



94, 27.460, 94.564



43, 71.355, 20.987



50, 18.526, 94.131



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, 68.304, 85.774



82, 83.959, 83.836



75, 81.852, 116.711



41, 4.668, 96.740



54, 60.266, 84.469



10, 15.313, 88.677

Inverse Universe

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



34, 85.239, 298.545



39, 113.689, 301.553



29, 104.593, 307.643



39, 4.707, 279.026



24, 79.230, 300.703



3, 17.964, 284.601

Previews

White Background



This preview shows how the CIELCh color 67, 68.305, 85.771 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, 68.305, 85.771 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, 68.305, 85.771

Background



This preview shows how black text looks on a background with the CIELCh color 67, 68.305, 85.771.



This preview shows how white text looks on a background with the CIELCh color 67, 68.305, 85.771.

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, 68.305, 85.771

Protanopia

67, 67.233, 95.323

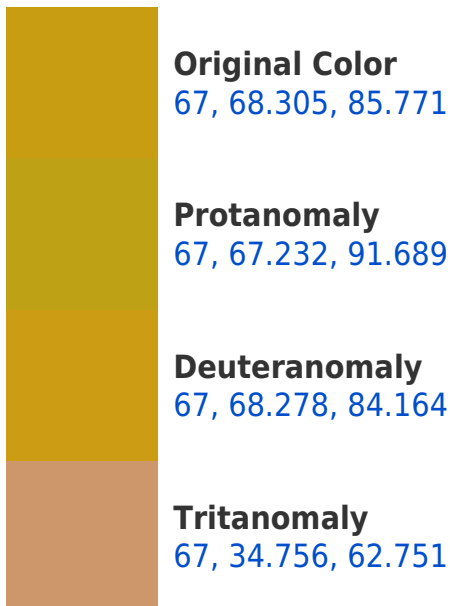
Deuteranopia

67, 68.303, 82.948



Tritanopia
67, 25.620, 8.531

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 68.305, 85.771 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(201, 157, 18)` looks like.

```
.text, #text, p{  
    color:rgb(201, 157, 18)  
}
```

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(201, 157, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 157, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 68.305, 85.771 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(201, 157, 18) }
```

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

```
.border{ border-color:rgb(201, 157, 18) }
```

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

Here you see how a box with a 4 pixel rgb(201, 157, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 157, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 157, 18);  
box-shadow:4px 4px 4px 4px rgb(201, 157,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 68.305, 85.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 157, 18) }
```

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

```
.background{ background-color: rgb(201,  
157, 18) }
```

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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