

Converting Colors

CIELCh(68, 71.334, 85.602)

Have a look what the booklet for
CIELCh(68, 71.334, 85.602) contains.

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Color

CIELCh(68, 71.206, 85.518)

Conversions

Conversions Part 1

Format	Color
Hex	CD9F05
RGB	205, 159, 5
RGB Percent	80%, 62%, 2%
CMY	0.1944, 0.3750, 0.9806
CMYK	0.00, 0.22, 0.98, 0.19
HSL	46°, 95%, 41%
HSV	46°, 98%, 81%
XYZ	37.7810, 37.9720, 5.4794
YIQ	155.1980, 76.8500, -38.1420

Conversions

Conversions Part 2

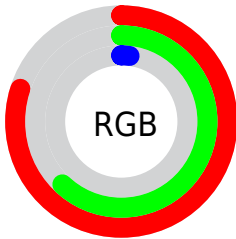
Format	Color
RYB	65, 205, 5
Decimal	13475589
CIELab	68.00, 5.56, 70.99
CIELCh	68, 71.206, 85.518
Yxy	37.9720, 0.4651, 0.4674
Android (android.graphics.Color)	4291665669 (0xFFCD9F05)
YUV	155.1980, -74.0476, 43.6764
Hunter-Lab	61.6215, 1.6034, 37.8629

Details

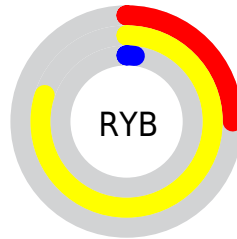
The CIELCh color **68, 71.206, 85.518** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **31, 94.521, 300.988**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 69.167, 89.171**, and **48, 55.045, 83.385** is the 20% darker color. If you saturate the color by 10%, you get **68, 71.681, 85.105**, and if you desaturate by 10%, it is **69, 68.638, 87.215**.

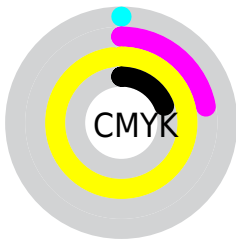
Distribution



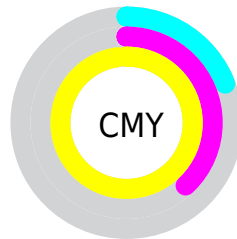
- Red (80%)
- Green (62%)
- Blue (2%)



- Red (25%)
- Yellow (80%)
- Blue (2%)



- Cyan (0%)
- Magenta (22%)
- Yellow (98%)
- Black (19%)



- Cyan (19%)
- Magenta (38%)
- Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 71.206, 85.518 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 68, 71.206, 85.518 by changing the saturation by 10% instead.

68, 71.206, 85.518

68, 71.206, 85.518

100, 71.206,
85.518

58, 71.206, 85.518

88, 71.206, 85.518

48, 71.206, 85.518

98, 71.206, 85.518

38, 71.206, 85.518

28, 71.206, 85.518

18, 71.206, 85.518

8, 71.206, 85.518

0, 71.206, 85.518

68, 71.206, 85.518

68, 71.206, 85.518

68, 71.681, 85.105

69, 68.638, 87.215

71, 63.768, 88.717

72, 57.131, 90.107

73, 49.404, 91.440

75, 41.087, 92.742

76, 32.491, 94.019

78, 23.799, 95.270

80, 15.112, 96.488

81, 6.486, 97.660

Harmonies

Complementary

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



68, 71.206, 85.518



31, 94.521, 300.988

Rectangle

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



68, 71.206, 85.518



68, 71.206, 135.518



68, 71.206, 265.518



68, 71.206, 315.518

Sweetspot

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



68, 71.205, 85.521



94, 29.822, 95.051



43, 76.354, 26.045



49, 20.484, 94.512



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68, 71.205, 85.521



82, 84.280, 84.843



76, 85.421, 118.111



42, 4.821, 97.455



56, 61.192, 85.417



11, 16.973, 89.342

Inverse Universe

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



31, 94.521, 300.988



38, 115.175, 301.952



28, 109.781, 307.854



40, 4.866, 279.727



24, 81.330, 301.165



3, 19.840, 285.992

Previews

White Background



This preview shows how the CIELCh color 68, 71.206, 85.518 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 68, 71.206, 85.518 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 68, 71.206, 85.518

Background



This preview shows how black text looks on a background with the CIELCh color 68, 71.206, 85.518.



This preview shows how white text looks on a background with the CIELCh color 68, 71.206, 85.518.

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

68, 71.080, 85.501

Protanopia

68, 69.607, 95.044

Deuteranopia

68, 70.931, 82.768



Tritanopia
68, 26.343, 9.000

Trichromacy



Original Color
68, 71.080, 85.501

Protanomaly
68, 70.010, 91.602

Deuteranomaly
68, 70.944, 83.943

Tritanomaly
67, 37.833, 64.828

Monochromacy



Original Color
68, 71.080, 85.501

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 31.588, 93.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 71.206, 85.518 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, 159, 5)` looks like.

```
.text, #text, p{  
    color:rgb(205, 159, 5)  
}
```

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, 159, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 159, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 71.206, 85.518 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, 159, 5) }
```

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

```
.border{ border-color:rgb(205, 159, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 159, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 159, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 159, 5);  
box-shadow:4px 4px 4px 4px rgb(205, 159,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 71.206, 85.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 159, 5) }
```

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

```
.background{ background-color: rgb(205,  
159, 5) }
```

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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