

Converting Colors

CIELCh(68, 71.561, 85.932)

Have a look what the booklet for
CIELCh(68, 71.561, 85.932) contains.

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Color

CIELCh(68, 71.597, 85.991)

Conversions

Conversions Part 1

Format	Color
Hex	CDA001
RGB	205, 160, 1
RGB Percent	80%, 63%, 0%
CMY	0.1974, 0.3737, 0.9950
CMYK	0.00, 0.22, 0.99, 0.20
HSL	47°, 99%, 40%
HSV	47°, 99%, 80%
XYZ	37.6089, 37.9720, 5.3835
YIQ	155.3290, 77.8590, -39.9090

Conversions

Conversions Part 2

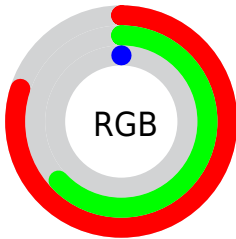
Format	Color
RYB	59, 205, 1
Decimal	13475841
CIELab	68.00, 5.01, 71.42
CIElCh	68, 71.597, 85.991
Yxy	37.9720, 0.4645, 0.4690
Android (android.graphics.Color)	4291665921 (0xFFCDA001)
YUV	155.3290, -76.0842, 43.5615
Hunter-Lab	61.6215, 1.1050, 37.9552

Details

The CIELCh color **68, 71.597, 85.991** 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 **30, 96.881, 301.759**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 70.174, 89.678**, and **48, 55.165, 84.000** is the 20% darker color. If you saturate the color by 10%, you get **68, 71.720, 85.890**, and if you desaturate by 10%, it is **69, 69.343, 87.646**.

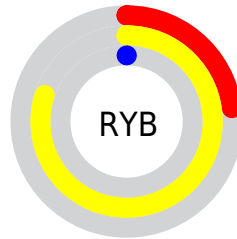
Distribution



Red (80%)

Green (63%)

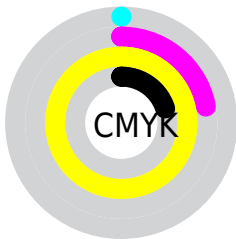
Blue (0%)



Red (23%)

Yellow (80%)

Blue (0%)

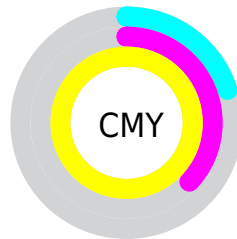


Cyan (0%)

Magenta (22%)

Yellow (99%)

Black (20%)



Cyan (20%)

Magenta (37%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 71.597, 85.991 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, 71.597, 85.991 by changing the saturation by 10% instead.

68, 71.597, 85.991

68, 71.597, 85.991

100, 71.597,
85.991

58, 71.597, 85.991

88, 71.597, 85.991

48, 71.597, 85.991

98, 71.597, 85.991

38, 71.597, 85.991

28, 71.597, 85.991

18, 71.597, 85.991

8, 71.597, 85.991

0, 71.597, 85.991

68, 71.597, 85.991

68, 71.597, 85.991

68, 71.720, 85.890

69, 69.343, 87.646

70, 64.904, 89.132

72, 58.563, 90.506

73, 51.006, 91.825

75, 42.767, 93.114

76, 34.189, 94.382

78, 25.477, 95.626

79, 16.747, 96.841

81, 8.062, 98.015

Harmonies

Complementary

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



68, 71.597, 85.991



30, 96.881, 301.759

Rectangle

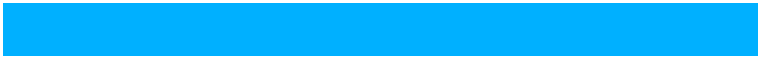
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 71.597, 85.991



68, 71.597, 135.991



68, 71.597, 265.991



68, 71.597, 315.991

Sweetspot

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



68, 71.596, 85.994



94, 31.111, 95.502



43, 77.020, 26.956



49, 21.241, 94.973



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, 71.596, 85.994



83, 84.556, 85.636



76, 85.636, 118.266



42, 4.865, 98.013



56, 61.396, 86.183



12, 17.130, 90.132

Inverse Universe

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



30, 96.881, 301.759



38, 116.326, 302.255



27, 110.387, 307.858



40, 4.914, 280.269



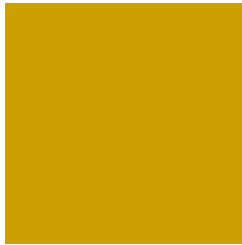
24, 82.183, 301.490



3, 19.974, 286.279

Previews

White Background



This preview shows how the CIELCh color 68, 71.597, 85.991 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, 71.597, 85.991 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, 71.597, 85.991

Background



This preview shows how black text looks on a background with the CIELCh color 68, 71.597, 85.991.



This preview shows how white text looks on a background with the CIELCh color 68, 71.597, 85.991.

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, 71.724, 86.007

Protanopia

68, 69.732, 95.046

Deuteranopia

68, 70.931, 82.768



Tritanopia
68, 26.408, 7.832

Trichromacy



Original Color
68, 71.724, 86.007

Protanomaly
68, 70.157, 91.983

Deuteranomaly
68, 71.193, 83.982

Tritanomaly
67, 38.260, 65.278

Monochromacy



Original Color
68, 71.724, 86.007

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 32.520, 94.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 71.597, 85.991 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, 160, 1)` looks like.

```
.text, #text, p{  
    color:rgb(205, 160, 1)  
}
```

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, 160, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 160, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 71.597, 85.991 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, 160, 1) }
```

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

```
.border{ border-color:rgb(205, 160, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 160, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 160, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 160, 1);  
box-shadow:4px 4px 4px 4px rgb(205, 160,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 71.597, 85.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 160, 1) }
```

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

```
.background{ background-color: rgb(205,  
160, 1) }
```

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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