

Converting Colors

CIELCh(68, 70.766, 90.695)

Have a look what the booklet for
CIELCh(68, 70.766, 90.695) contains.

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Color

CIELCh(68, 70.774, 90.486)

Conversions

Conversions Part 1

Format	Color
Hex	C4A303
RGB	196, 163, 3
RGB Percent	77%, 64%, 1%
CMY	0.2311, 0.3605, 0.9875
CMYK	0.00, 0.17, 0.98, 0.23
HSL	50°, 97%, 39%
HSV	50°, 98%, 77%
XYZ	35.9121, 37.9720, 5.5278
YIQ	154.6270, 71.0280, -42.7640

Conversions

Conversions Part 2

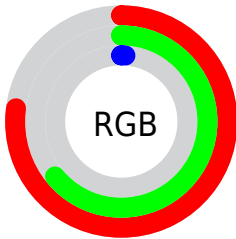
Format	Color
RYB	43, 196, 3
Decimal	12886787
CIELab	68.00, -0.60, 70.77
CIElCh	68, 70.774, 90.486
Yxy	37.9720, 0.4522, 0.4782
Android (android.graphics.Color)	4291076867 (0xFFC4A303)
YUV	154.6270, -74.7521, 36.2841
Hunter-Lab	61.6215, -3.8104, 37.8164

Details

The CIELCh color **68, 70.774, 90.486** 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 **28, 97.880, 303.083**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 70.813, 91.285**, and **48, 54.404, 89.750** is the 20% darker color. If you saturate the color by 10%, you get **68, 71.075, 90.281**, and if you desaturate by 10%, it is **69, 68.518, 91.763**.

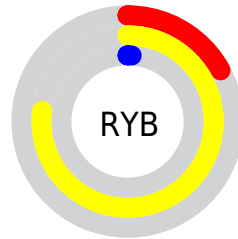
Distribution



Red (77%)

Green (64%)

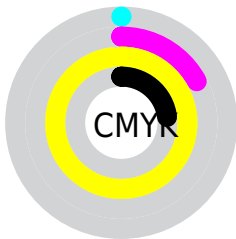
Blue (1%)



Red (17%)

Yellow (77%)

Blue (1%)

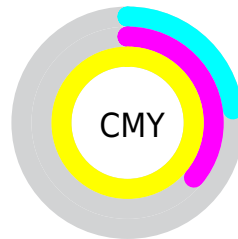


Cyan (0%)

Magenta (17%)

Yellow (98%)

Black (23%)



Cyan (23%)

Magenta (36%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 70.774, 90.486 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, 70.774, 90.486 by changing the saturation by 10% instead.

■ 68, 70.774, 90.486

■ 68, 70.774, 90.486

■ 100, 70.774,
90.486

■ 58, 70.774, 90.486

■ 88, 70.774, 90.486

■ 48, 70.774, 90.486

■ 98, 70.774, 90.486

■ 38, 70.774, 90.486

■ 28, 70.774, 90.486

■ 18, 70.774, 90.486

■ 8, 70.774, 90.486

■ 0, 70.774, 90.486

■ 68, 70.774, 90.486

■ 68, 70.774, 90.486

■ 68, 71.075, 90.281

■ 69, 68.518, 91.763

70, 64.104, 92.973

71, 57.858, 94.158

72, 50.400, 95.340

73, 42.227, 96.525

74, 33.668, 97.708

75, 24.926, 98.880

77, 16.122,
100.031

78, 7.323, 101.148

Harmonies

Complementary

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



68, 70.774, 90.486



28, 97.880, 303.083

Rectangle

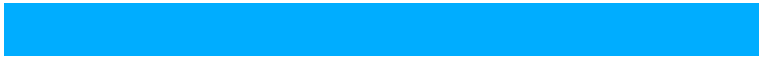
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 70.774, 90.486



68, 70.774, 140.486



68, 70.774, 270.486



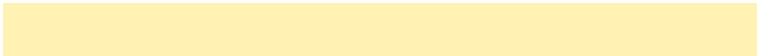
68, 70.774, 320.486

Sweetspot

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



68, 70.773, 90.488



95, 32.623, 98.635



41, 76.368, 30.141



50, 22.247, 98.134



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, 70.773, 90.488



86, 86.499, 90.055



73, 83.885, 120.581



40, 4.914, 101.040



56, 61.393, 90.490



10, 15.042, 95.474

Inverse Universe

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



28, 97.880, 303.083



36, 122.373, 303.763



27, 105.462, 308.523



38, 4.980, 283.188



21, 84.604, 303.068



2, 17.145, 286.089

Previews

White Background



This preview shows how the CIELCh color 68, 70.774, 90.486 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, 70.774, 90.486 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, 70.774, 90.486

Background



This preview shows how black text looks on a background with the CIELCh color 68, 70.774, 90.486.



This preview shows how white text looks on a background with the CIELCh color 68, 70.774, 90.486.

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, 70.774, 90.486

Protanopia

68, 69.978, 95.047

Deuteranopia

68, 70.028, 82.610



Tritanopia
68, 21.570, 5.438

Trichromacy



Original Color
68, 70.774, 90.486

Protanomaly
68, 70.225, 93.520

Deuteranomaly
68, 70.195, 85.381

Tritanomaly
68, 34.917, 71.978

Monochromacy



Original Color
68, 70.774, 90.486

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 32.130, 97.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 70.774, 90.486 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(196, 163, 3)` looks like.

```
.text, #text, p{  
    color:rgb(196, 163, 3)  
}
```

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(196, 163, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 163, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 70.774, 90.486 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(196, 163, 3) }
```

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

```
.border{ border-color:rgb(196, 163, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 163, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 163, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 163, 3);  
box-shadow:4px 4px 4px 4px rgb(196, 163,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 70.774, 90.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 163, 3) }
```

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

```
.background{ background-color: rgb(196,  
163, 3) }
```

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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