

Converting Colors

CIELCh(72, 74.522, 98.611)

Have a look what the booklet for
CIELCh(72, 74.522, 98.611) contains.

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Color

CIELCh(72, 74.697, 98.712)

Conversions

Conversions Part 1

Format	Color
Hex	C0B400
RGB	192, 180, 0
RGB Percent	75%, 71%, 0%
CMY	0.2486, 0.2955, 0.9997
CMYK	0.00, 0.06, 1.00, 0.25
HSL	56°, 100%, 38%
HSV	56°, 100%, 75%
XYZ	37.8929, 43.6590, 6.4313
YIQ	163.0680, 64.9320, -53.4360

Conversions

Conversions Part 2

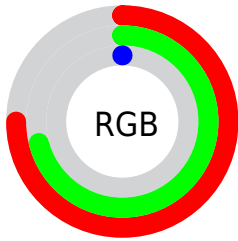
Format	Color
RYB	13, 192, 0
Decimal	12628992
CIELab	72.00, -11.31, 73.84
CIELCh	72, 74.697, 98.712
Yxy	43.6590, 0.4307, 0.4962
Android (android.graphics.Color)	4290819072 (0xFFC0B400)
YUV	163.0680, -80.3925, 25.3734
Hunter-Lab	66.0750, -13.2643, 40.4816

Details

The CIELCh color **72, 74.697, 98.712** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as dark washed orange. A complement of this color would be **24, 105.131, 305.562**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 74.487, 98.631**, and **52, 58.200, 100.022** is the 20% darker color. If you saturate the color by 10%, you get **72, 74.703, 98.712**, and if you desaturate by 10%, it is **72, 72.634, 99.258**.

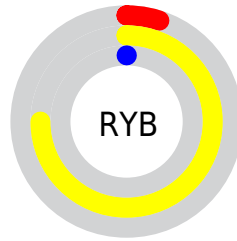
Distribution



Red (75%)

Green (71%)

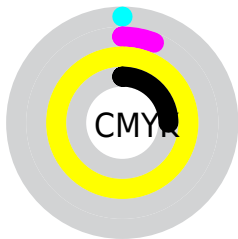
Blue (0%)



Red (5%)

Yellow (75%)

Blue (0%)

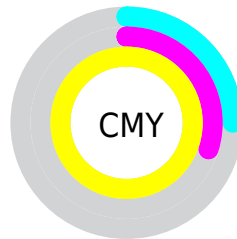


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 74.697, 98.712 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 72, 74.697, 98.712 by changing the saturation by 10% instead.

 72, 74.697, 98.712

 72, 74.697, 98.712

 100, 74.697,
98.712

 62, 74.697, 98.712

 92, 74.697, 98.712

 52, 74.697, 98.712

 42, 74.697, 98.712

 32, 74.697, 98.712

 22, 74.697, 98.712

 12, 74.697, 98.712

 2, 74.697, 98.712

 0, 74.697, 98.712

 72, 74.697, 98.712

 72, 74.697, 98.712

■ 72, 74.703, 98.712

■ 72, 72.634, 99.258

■ 73, 68.661, 99.906

■ 73, 62.720,
100.675

■ 74, 55.320,
101.546

■ 74, 46.952,
102.492

■ 75, 37.987,
103.486

■ 75, 28.673,
104.505

■ 76, 19.171,
105.532

■ 77, 9.578, 106.548

Harmonies

Complementary

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



72, 74.697, 98.712



24, 105.131, 305.562

Rectangle

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



72, 74.697, 98.712



72, 74.697, 148.712



72, 74.697, 278.712



72, 74.697, 328.712

Sweetspot

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



72, 74.696, 98.714



96, 35.607, 104.452



40, 81.570, 37.471



51, 24.229, 104.017



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



72, 74.696, 98.714



91, 91.144, 98.641



70, 86.104, 125.703



41, 5.499, 106.607



61, 65.596, 98.769



11, 17.250, 103.235

Inverse Universe

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



24, 105.131, 305.562



32, 129.204, 305.743



28, 102.102, 310.462



38, 5.606, 288.564



19, 91.737, 305.401



1, 18.611, 289.440

Previews

White Background



This preview shows how the CIELCh color 72, 74.697, 98.712 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 CIE LCh color 72, 74.697, 98.712 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 72, 74.697, 98.712

Background



This preview shows how black text looks on a background with the CIELCh color 72, 74.697, 98.712.



This preview shows how white text looks on a background with the CIELCh color 72, 74.697, 98.712.

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

72, 74.810, 98.707

Protanopia

72, 74.410, 95.152

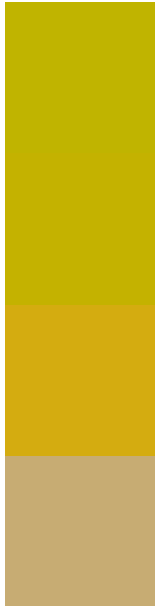
Deuteranopia

72, 72.099, 82.439



Tritanopia
72, 15.377, 353.572

Trichromacy



Original Color
72, 74.810, 98.707

Protanomaly
72, 74.469, 96.576

Deuteranomaly
72, 72.727, 88.529

Tritanomaly
71, 32.963, 86.589

Monochromacy



Original Color
72, 74.810, 98.707

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 35.037, 103.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 74.697, 98.712 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(192, 180, 0)` looks like.

```
.text, #text, p{  
    color:rgb(192, 180, 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(192, 180, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 180, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 74.697, 98.712 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(192, 180, 0) }
```

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

```
.border{ border-color:rgb(192, 180, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 180, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 180, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 180, 0);  
box-shadow:4px 4px 4px 4px rgb(192, 180,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 74.697, 98.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 180, 0) }
```

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

```
.background{ background-color: rgb(192,  
180, 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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