

Converting Colors

CIELCh(72, 74.331, 98.699)

Have a look what the booklet for
CIELCh(72, 74.331, 98.699) contains.

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Color

CIELCh(72, 74.470, 98.721)

Conversions

Conversions Part 1

Format	Color
Hex	C0B402
RGB	192, 180, 2
RGB Percent	75%, 71%, 1%
CMY	0.2486, 0.2955, 0.9920
CMYK	0.00, 0.06, 0.99, 0.25
HSL	56°, 98%, 38%
HSV	56°, 99%, 75%
XYZ	37.9000, 43.6590, 6.4875
YIQ	163.2960, 64.2900, -52.8140

Conversions

Conversions Part 2

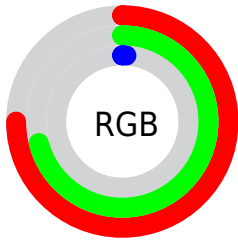
Format	Color
RYB	15, 192, 2
Decimal	12628994
CIELab	72.00, -11.29, 73.61
CIElCh	72, 74.470, 98.721
Yxy	43.6590, 0.4305, 0.4959
Android (android.graphics.Color)	4290819074 (0xFFC0B402)
YUV	163.2960, -79.5189, 25.1734
Hunter-Lab	66.0750, -13.2453, 40.4312

Details

The CIELCh color **72, 74.470, 98.721** 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, 104.565, 305.456**, 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, 74.667, 98.667**, and if you desaturate by 10%, it is **72, 72.293, 99.277**.

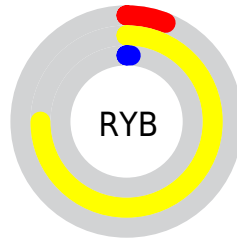
Distribution



Red (75%)

Green (71%)

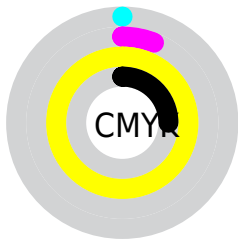
Blue (1%)



Red (6%)

Yellow (75%)

Blue (1%)

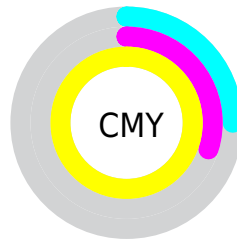


Cyan (0%)

Magenta (6%)

Yellow (99%)

Black (25%)



Cyan (25%)

Magenta (30%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 74.470, 98.721 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, 74.470, 98.721 by changing the saturation by 10% instead.

 72, 74.470, 98.721

 72, 74.470, 98.721

 100, 74.470,
98.721

 62, 74.470, 98.721

 92, 74.470, 98.721

 52, 74.470, 98.721

 42, 74.470, 98.721

 32, 74.470, 98.721

 22, 74.470, 98.721

 12, 74.470, 98.721

 2, 74.470, 98.721

 0, 74.470, 98.721

 72, 74.470, 98.721

 72, 74.470, 98.721

■ 72, 74.667, 98.667

■ 72, 72.293, 99.277

■ 73, 68.099, 99.941

■ 73, 61.984,
100.725

■ 74, 54.466,
101.606

■ 74, 46.025,
102.559

■ 75, 37.019,
103.558

■ 75, 27.685,
104.580

■ 76, 18.175,
105.607

■ 77, 8.584, 106.621

Harmonies

Complementary

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



72, 74.470, 98.721



24, 104.565, 305.456

Rectangle

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



72, 74.470, 98.721



72, 74.470, 148.721



72, 74.470, 278.721



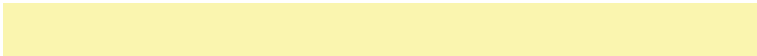
72, 74.470, 328.721

Sweetspot

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



72, 74.469, 98.723



95, 35.585, 104.421



40, 81.022, 37.181



51, 24.214, 103.986



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, 74.469, 98.723



91, 91.102, 98.595



70, 85.775, 125.600



41, 5.496, 106.577



61, 65.567, 98.724



11, 17.236, 103.195

Inverse Universe

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



24, 104.565, 305.456



32, 129.170, 305.736



29, 101.612, 310.498



38, 5.602, 288.536



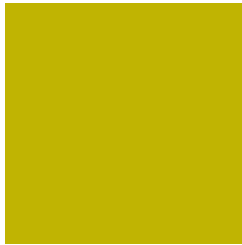
19, 91.707, 305.392



1, 18.603, 289.422

Previews

White Background



This preview shows how the CIELCh color 72, 74.470, 98.721 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 72, 74.470, 98.721 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, 74.470, 98.721

Background



This preview shows how black text looks on a background with the CIELCh color 72, 74.470, 98.721.

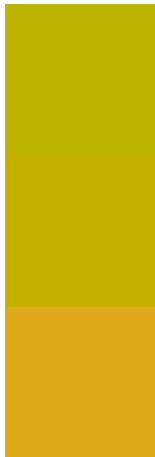


This preview shows how white text looks on a background with the CIELCh color 72, 74.470, 98.721.

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, 74.583, 98.716

Protanopia

72, 74.410, 95.152

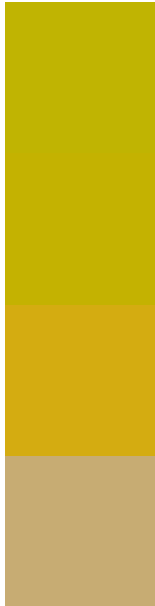
Deuteranopia

72, 72.099, 82.439



Tritanopia
72, 15.377, 353.572

Trichromacy



Original Color
72, 74.583, 98.716

Protanomaly
72, 74.354, 96.577

Deuteranomaly
72, 72.572, 88.515

Tritanomaly
71, 32.963, 86.589

Monochromacy



Original Color
72, 74.583, 98.716

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, 74.470, 98.721 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(192, 180, 2)  
}
```

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 72, 74.470, 98.721 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, 2) }
```

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

```
.border{ border-color:rgb(192, 180, 2) }
```

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, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 180, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 180, 2);  
box-shadow:4px 4px 4px 4px rgb(192, 180,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 74.470, 98.721 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, 2) }
```

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

```
.background{ background-color: rgb(192,  
180, 2) }
```

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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