

Converting Colors

CIELCh(72, 75.663, 102.790)

Have a look what the booklet for
CIELCh(72, 75.663, 102.790)
contains.

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Color

CIELCh(72, 75.228, 102.511)

Conversions

Conversions Part 1

Format	Color
Hex	B7B601
RGB	183, 182, 1
RGB Percent	72%, 71%, 0%
CMY	0.2813, 0.2853, 0.9973
CMYK	0.00, 0.01, 1.00, 0.28
HSL	60°, 99%, 36%
HSV	60°, 100%, 72%
XYZ	36.3746, 43.6590, 6.5293
YIQ	161.6650, 58.6970, -56.0790

Conversions

Conversions Part 2

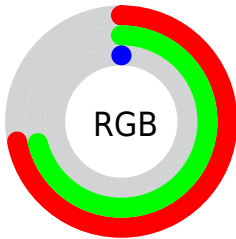
Format	Color
R _Y B	2, 183, 1
Decimal	12039681
CIE Lab	72.00, -16.30, 73.44
CIE LCh	72, 75.228, 102.511
Yxy	43.6590, 0.4202, 0.5044
Android (android.graphics.Color)	4290229761 (0xFFB7B601)
YUV	161.6650, -79.2078, 18.7108
Hunter-Lab	66.0750, -17.3661, 40.3937

Details

The CIELCh color **72, 75.228, 102.511** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **22, 103.964, 306.185**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 75.238, 102.534**, and **52, 58.507, 104.714** is the 20% darker color. If you saturate the color by 10%, you get **72, 75.304, 102.505**, and if you desaturate by 10%, it is **72, 72.987, 102.747**.

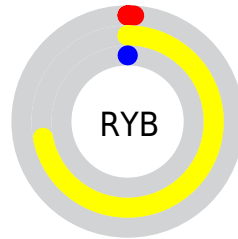
Distribution



Red (72%)

Green (71%)

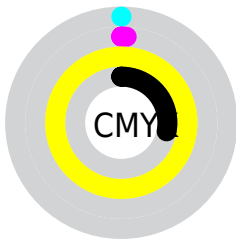
Blue (0%)



Red (1%)

Yellow (72%)

Blue (0%)

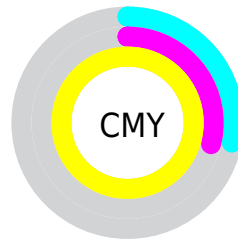


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (29%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 75.228, 102.511 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, 75.228, 102.511 by changing the saturation by 10% instead.


 72, 75.228,
102.511


 72, 75.228,
102.511


 100, 75.228,
102.511


 62, 75.228,
102.511


 92, 75.228,
102.511

 52, 75.228,
102.511

 42, 75.228,
102.511

 32, 75.228,
102.511

 22, 75.228,
102.511

 12, 75.228,
102.511

 2, 75.228, 102.511

■ 0, 75.228, 102.511

■ 72, 75.228,
102.511

■ 72, 75.228,
102.511

■ 72, 75.304,
102.505

■ 72, 72.987,
102.747

■ 72, 68.945,
103.144

■ 72, 63.018,
103.719

■ 72, 55.645,
104.440

■ 73, 47.273,
105.268

■ 73, 38.259,
106.167

■ 73, 28.850,
107.109

■ 74, 19.210,
108.071

■ 74, 9.444, 109.033

Harmonies

Complementary

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



72, 75.228, 102.511



22, 103.964, 306.185

Rectangle

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



72, 75.228, 102.511



72, 75.228, 152.511



72, 75.228, 282.511



72, 75.228, 332.511

Sweetspot

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



72, 75.227, 102.513



92, 36.005, 107.026



38, 80.614, 39.201



49, 24.683, 106.628



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



72, 75.227, 102.513



91, 91.345, 102.499



67, 84.530, 127.437



39, 5.569, 109.060



62, 66.718, 102.509



10, 15.019, 108.553

Inverse Universe

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



22, 103.964, 306.185



30, 126.437, 306.238



28, 97.539, 311.547



35, 5.690, 290.918



17, 92.226, 306.205



1, 15.321, 290.137

Previews

White Background



This preview shows how the CIELCh color 72, 75.228, 102.511 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, 75.228, 102.511 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, 75.228, 102.511

Background



This preview shows how black text looks on a background with the CIELCh color 72, 75.228, 102.511.

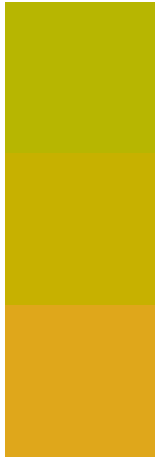


This preview shows how white text looks on a background with the CIELCh color 72, 75.228, 102.511.

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, 75.115, 102.521

Protanopia
72, 74.410, 95.152

Deuteranopia
72, 71.670, 82.362



Tritanopia
72, 12.404, 342.691

Trichromacy



Original Color
72, 75.115, 102.521

Protanomaly
72, 74.581, 97.992

Deuteranomaly
72, 72.386, 89.976

Tritanomaly
71, 31.558, 93.894

Monochromacy



Original Color
72, 75.115, 102.521

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 35.511, 105.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 75.228, 102.511 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(183, 182, 1)` looks like.

```
.text, #text, p{  
    color:rgb(183, 182, 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(183, 182, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 182, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 75.228, 102.511 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(183, 182, 1) }
```

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

```
.border{ border-color:rgb(183, 182, 1) }
```

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

Here you see how a box with a 4 pixel rgb(183, 182, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 182, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 182, 1);  
box-shadow:4px 4px 4px 4px rgb(183, 182,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 75.228, 102.511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 182, 1) }
```

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

```
.background{ background-color: rgb(183,  
182, 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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