

Converting Colors

CIELCh(71, 73.583, 98.620)

Have a look what the booklet for
CIELCh(71, 73.583, 98.620) contains.

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Color

CIELCh(71, 73.657, 98.651)

Conversions

Conversions Part 1

Format	Color
Hex	BDB102
RGB	189, 177, 2
RGB Percent	74%, 69%, 1%
CMY	0.2595, 0.3064, 0.9936
CMYK	0.00, 0.06, 0.99, 0.26
HSL	56°, 98%, 37%
HSV	56°, 99%, 74%
XYZ	36.6479, 42.1875, 6.2575
YIQ	160.6380, 63.3270, -51.8810

Conversions

Conversions Part 2

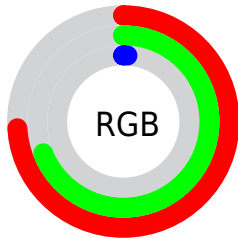
Format	Color
RYB	15, 189, 2
Decimal	12431618
CIELab	71.00, -11.08, 72.82
CIELCh	71, 73.657, 98.651
Yxy	42.1875, 0.4307, 0.4958
Android (android.graphics.Color)	4290621698 (0xFFBDB102)
YUV	160.6380, -78.2085, 24.8735
Hunter-Lab	64.9519, -12.9505, 39.7543

Details

The CIELCh color **71, 73.657, 98.651** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **24, 103.449, 305.452**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 73.729, 98.564**, and **51, 57.217, 99.960** is the 20% darker color. If you saturate the color by 10%, you get **71, 73.817, 98.607**, and if you desaturate by 10%, it is **71, 71.503, 99.212**.

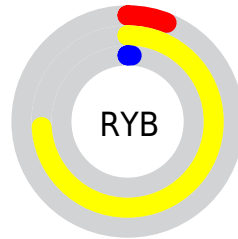
Distribution



Red (74%)

Green (69%)

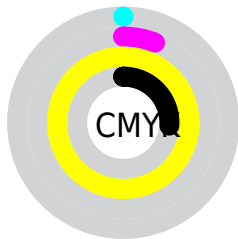
Blue (1%)



Red (6%)

Yellow (74%)

Blue (1%)

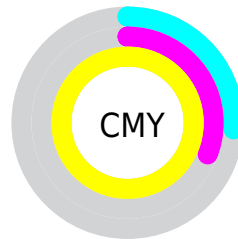


Cyan (0%)

Magenta (6%)

Yellow (99%)

Black (26%)



Cyan (26%)

Magenta (31%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 73.657, 98.651 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 71, 73.657, 98.651 by changing the saturation by 10% instead.

 71, 73.657, 98.651

 71, 73.657, 98.651

 100, 73.657,
98.651

 61, 73.657, 98.651

 91, 73.657, 98.651

 51, 73.657, 98.651

 41, 73.657, 98.651

 31, 73.657, 98.651

 21, 73.657, 98.651

 11, 73.657, 98.651

 1, 73.657, 98.651

 0, 73.657, 98.651

 71, 73.657, 98.651

 71, 73.657, 98.651

■ 71, 73.817, 98.607

■ 71, 71.503, 99.212

■ 72, 67.384, 99.878

■ 72, 61.364,
100.663

■ 73, 53.953,
101.545

■ 73, 45.627,
102.498

■ 74, 36.739,
103.497

■ 74, 27.526,
104.519

■ 75, 18.138,
105.545

■ 76, 8.669, 106.560

Harmonies

Complementary

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



71, 73.657, 98.651



24, 103.449, 305.452

Rectangle

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



71, 73.657, 98.651



71, 73.657, 148.651



71, 73.657, 278.651



71, 73.657, 328.651

Sweetspot

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



71, 73.656, 98.653



94, 34.966, 104.381



39, 80.215, 37.202



50, 23.789, 103.949



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



71, 73.656, 98.653



90, 89.638, 98.534



69, 84.898, 125.605



40, 5.371, 106.539



60, 64.763, 98.667



10, 15.553, 104.056

Inverse Universe

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



24, 103.449, 305.452



32, 127.070, 305.714



28, 100.593, 310.501



37, 5.474, 288.492



19, 90.536, 305.362



1, 16.630, 288.810

Previews

White Background



This preview shows how the CIELCh color 71, 73.657, 98.651 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 71, 73.657, 98.651 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 71, 73.657, 98.651

Background



This preview shows how black text looks on a background with the CIELCh color 71, 73.657, 98.651.

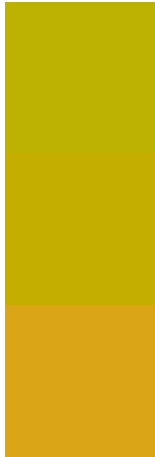


This preview shows how white text looks on a background with the CIELCh color 71, 73.657, 98.651.

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

71, 73.657, 98.651

Protanopia

71, 73.497, 95.031

Deuteranopia

71, 71.325, 82.922



Tritanopia
71, 15.425, 353.599

Trichromacy



Original Color
71, 73.657, 98.651

Protanomaly
71, 73.434, 96.478

Deuteranomaly
71, 71.666, 88.647

Tritanomaly
70, 32.568, 86.262

Monochromacy



Original Color
71, 73.657, 98.651

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 34.612, 103.693

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 73.657, 98.651 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(189, 177, 2)` looks like.

```
.text, #text, p{  
    color:rgb(189, 177, 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(189, 177, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 177, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 73.657, 98.651 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(189, 177, 2) }
```

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

```
.border{ border-color:rgb(189, 177, 2) }
```

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

Here you see how a box with a 4 pixel rgb(189, 177, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 177, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 177, 2);  
box-shadow:4px 4px 4px 4px rgb(189, 177,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 73.657, 98.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 177, 2) }
```

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

```
.background{ background-color: rgb(189,  
177, 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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