

Converting Colors

CIELCh(70, 73.142, 100.741)

Have a look what the booklet for
CIELCh(70, 73.142, 100.741)
contains.

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Color

CIELCh(70, 73.306, 100.745)

Conversions

Conversions Part 1

Format	Color
Hex	B5B000
RGB	181, 176, 0
RGB Percent	71%, 69%, 0%
CMY	0.2883, 0.3116, 1.0000
CMYK	0.00, 0.03, 1.00, 0.29
HSL	58°, 100%, 36%
HSV	58°, 100%, 71%
XYZ	34.6031, 40.7494, 6.0350
YIQ	157.4310, 59.4760, -53.6760

Conversions

Conversions Part 2

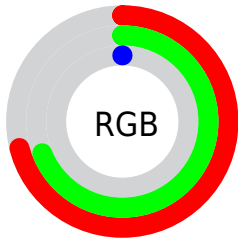
Format	Color
R _Y B	5, 181, 0
Decimal	11907072
CIE Lab	70.00, -13.67, 72.02
CIE LCh	70, 73.306, 100.745
Yxy	40.7494, 0.4252, 0.5007
Android (android.graphics.Color)	4290097152 (0xFFB5B000)
YUV	157.4310, -77.6135, 20.6700
Hunter-Lab	63.8353, -14.9523, 39.0794

Details

The CIELCh color **70, 73.306, 100.745** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **22, 102.151, 305.884**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 73.449, 100.849**, and **50, 56.825, 103.336** is the 20% darker color. If you saturate the color by 10%, you get **70, 73.280, 100.749**, and if you desaturate by 10%, it is **70, 71.141, 101.125**.

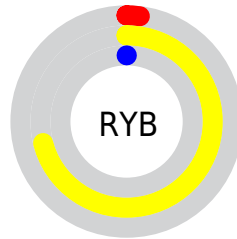
Distribution



Red (71%)

Green (69%)

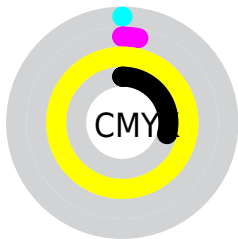
Blue (0%)



Red (2%)

Yellow (71%)

Blue (0%)

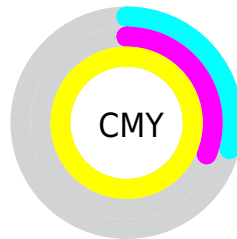


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (31%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 73.306, 100.745 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 70, 73.306, 100.745 by changing the saturation by 10% instead.


 70, 73.306,
100.745


 70, 73.306,
100.745


 100, 73.306,
100.745


 60, 73.306,
100.745


 90, 73.306,
100.745

 50, 73.306,
100.745

 40, 73.306,
100.745

 30, 73.306,
100.745

 20, 73.306,
100.745

 10, 73.306,
100.745

 0, 73.306, 100.745

■ 70, 73.306,
100.745

■ 70, 73.306,
100.745

■ 70, 73.280,
100.749

■ 70, 71.141,
101.125

■ 70, 67.244,
101.636

■ 71, 61.473,
102.299

■ 71, 54.283,
103.088

■ 71, 46.133,
103.968

■ 72, 37.374,
104.909

■ 72, 28.249,
105.885

■ 73, 18.916,

106.875

■ 73, 9.476, 107.860

Harmonies

Complementary

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



70, 73.306, 100.745



22, 102.151, 305.884

Rectangle

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



70, 73.306, 100.745



70, 73.306, 150.745



70, 73.306, 280.745



70, 73.306, 330.745

Sweetspot

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



70, 73.280, 100.749



92, 35.098, 105.834



38, 79.524, 38.632



49, 24.071, 105.422



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



70, 73.280, 100.749



89, 89.505, 100.712



66, 83.577, 126.877



39, 5.419, 107.924



61, 65.412, 100.775



9, 14.467, 107.085

Inverse Universe

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



22, 102.151, 305.884



30, 125.337, 305.998



27, 97.344, 311.180



36, 5.531, 289.821



18, 90.886, 305.802



1, 15.009, 289.332

Previews

White Background



This preview shows how the CIELCh color 70, 73.306, 100.745 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 70, 73.306, 100.745 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 70, 73.306, 100.745

Background



This preview shows how black text looks on a background with the CIELCh color 70, 73.306, 100.745.

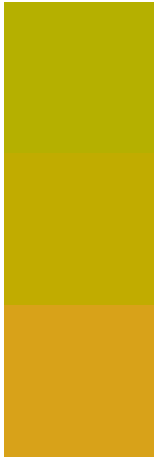


This preview shows how white text looks on a background with the CIELCh color 70, 73.306, 100.745.

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
70, 73.409, 101.090

Protanopia
70, 72.819, 95.303

Deuteranopia
70, 70.187, 82.551



Tritanopia
70, 13.435, 348.792

Trichromacy



Original Color
70, 73.409, 101.090

Protanomaly
70, 72.833, 97.122

Deuteranomaly
70, 70.662, 89.561

Tritanomaly
69, 31.709, 90.581

Monochromacy



Original Color
70, 73.409, 101.090

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 34.639, 105.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 73.306, 100.745 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(181, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 176, 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(181, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 176, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 73.306, 100.745 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(181, 176, 0) }
```

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

```
.border{ border-color:rgb(181, 176, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 176, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 176,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 73.306, 100.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 176, 0) }
```

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

```
.background{ background-color: rgb(181,  
176, 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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