

Converting Colors

CIELCh(70, 72.134, 101.724)

Have a look what the booklet for
CIELCh(70, 72.134, 101.724)
contains.

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Color

CIELCh(70, 72.111, 101.540)

Conversions

Conversions Part 1

Format	Color
Hex	B4B00B
RGB	180, 176, 11
RGB Percent	71%, 69%, 4%
CMY	0.2944, 0.3100, 0.9574
CMYK	0.00, 0.02, 0.94, 0.29
HSL	59°, 89%, 37%
HSV	59°, 94%, 71%
XYZ	34.3830, 40.7494, 6.3655
YIQ	158.3860, 55.3490, -50.4670

Conversions

Conversions Part 2

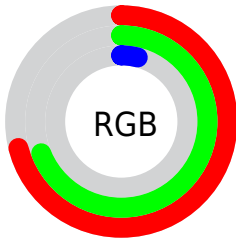
Format	Color
RYB	15, 180, 11
Decimal	11841547
CIELab	70.00, -14.43, 70.65
CIELCh	70, 72.111, 101.540
Yxy	40.7494, 0.4219, 0.5000
Android (android.graphics.Color)	4290031627 (0xFFB4B00B)
YUV	158.3860, -72.6613, 18.9555
Hunter-Lab	63.8353, -15.5681, 38.7724

Details

The CIELCh color **70, 72.111, 101.540** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **23, 98.852, 305.425**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 71.894, 101.580**, and **50, 56.825, 103.336** is the 20% darker color. If you saturate the color by 10%, you get **70, 73.305, 101.354**, and if you desaturate by 10%, it is **70, 69.030, 101.945**.

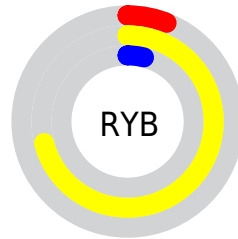
Distribution



Red (71%)

Green (69%)

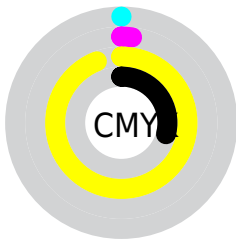
Blue (4%)



Red (6%)

Yellow (71%)

Blue (4%)

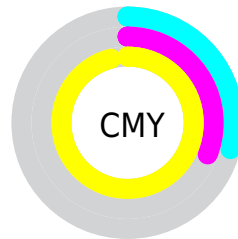


Cyan (0%)

Magenta (2%)

Yellow (94%)

Black (29%)



Cyan (29%)


Magenta (31%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 72.111, 101.540 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, 72.111, 101.540 by changing the saturation by 10% instead.


 70, 72.111,
101.540


 70, 72.111,
101.540


 100, 72.111,
101.540


 60, 72.111,
101.540


 90, 72.111,
101.540


 50, 72.111,
101.540

 40, 72.111,
101.540

 30, 72.111,
101.540

 20, 72.111,
101.540

 10, 72.111,
101.540

 0, 72.111, 101.540

■ 70, 72.111,
101.540

■ 70, 72.111,
101.540

■ 70, 73.305,
101.354

■ 70, 69.030,
101.945

■ 70, 63.964,
102.515

■ 71, 57.296,
103.230

■ 71, 49.491,
104.057

■ 71, 40.946,
104.961

■ 72, 31.942,
105.912

■ 72, 22.669,
106.887

■ 73, 13.248,

107.867

■ 73, 3.756, 108.828

Harmonies

Complementary

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



70, 72.111, 101.540



23, 98.852, 305.425

Rectangle

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



70, 72.111, 101.540



70, 72.111, 151.540



70, 72.111, 281.540



70, 72.111, 331.540

Sweetspot

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



70, 72.111, 101.542



91, 32.795, 106.445



38, 75.813, 36.910



48, 22.561, 106.030



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



70, 72.111, 101.542



89, 89.384, 101.327



66, 81.083, 126.261



38, 5.344, 108.318



60, 65.054, 101.373



8, 12.829, 108.681

Inverse Universe

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



23, 98.852, 305.425



30, 124.671, 306.076



29, 94.019, 311.454



35, 5.455, 290.195



17, 90.210, 305.930



1, 13.073, 289.446

Previews

White Background



This preview shows how the CIELCh color 70, 72.111, 101.540 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, 72.111, 101.540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

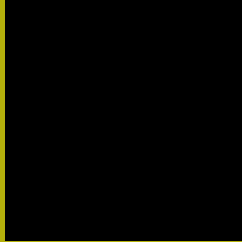
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 72.111, 101.540

Background



This preview shows how black text looks on a background with the CIELCh color 70, 72.111, 101.540.

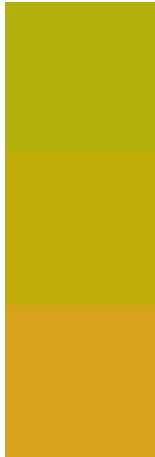


This preview shows how white text looks on a background with the CIELCh color 70, 72.111, 101.540.

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, 72.111, 101.540

Protanopia

70, 71.742, 94.898

Deuteranopia

70, 69.508, 82.426



Tritanopia
70, 12.176, 347.988

Trichromacy



Original Color
70, 72.111, 101.540

Protanomaly
70, 71.833, 97.503

Deuteranomaly
70, 69.593, 89.470

Tritanomaly
69, 29.400, 91.326

Monochromacy



Original Color
70, 72.111, 101.540

Achromatopsia
65, 0.008, 296.813

Achromatomaly
67, 33.037, 105.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 72.111, 101.540 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(180, 176, 11)` looks like.

```
.text, #text, p{  
    color:rgb(180, 176, 11)  
}
```

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(180, 176, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 176, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 72.111, 101.540 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(180, 176, 11) }
```

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

```
.border{ border-color:rgb(180, 176, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 176, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 176, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 176, 11);  
box-shadow:4px 4px 4px 4px rgb(180, 176,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 72.111, 101.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 176, 11) }
```

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

```
.background{ background-color: rgb(180,  
176, 11) }
```

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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