

Converting Colors

CIELCh(72, 16.967, 292.003)

Have a look what the booklet for
CIELCh(72, 16.967, 292.003)
contains.

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Color

CIELCh(72, 16.901, 291.811)

Conversions

Conversions Part 1

Format	Color
Hex	AEAECD
RGB	174, 174, 205
RGB Percent	68%, 68%, 80%
CMY	0.3178, 0.3178, 0.1962
CMYK	0.15, 0.15, 0.00, 0.20
HSL	240°, 24%, 74%
HSV	240°, 15%, 80%
XYZ	43.5918, 43.6590, 63.8639
YIQ	177.5340, -9.9510, 9.6410

Conversions

Conversions Part 2

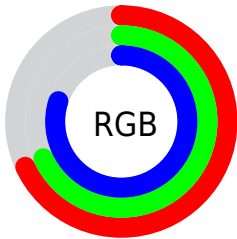
Format	Color
RYB	174, 174, 205
Decimal	11448013
CIELab	72.00, 6.28, -15.69
CIELCh	72, 16.901, 291.811
Yxy	43.6590, 0.2885, 0.2889
Android (android.graphics.Color)	4289638093 (0xFFFAEAECD)
YUV	177.5340, 13.5407, -3.0993
Hunter-Lab	66.0750, 2.1311, -11.0535

Details

The CIELCh color $72, 16.901, 291.811$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $82, 16.328, 108.718$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 13.485, 292.694$, and $52, 16.855, 291.043$ is the 20% darker color. If you saturate the color by 10%, you get $65, 28.660, 293.131$, and if you desaturate by 10%, it is $79, 5.617, 290.694$.

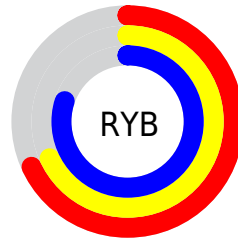
Distribution



Red (68%)

Green (68%)

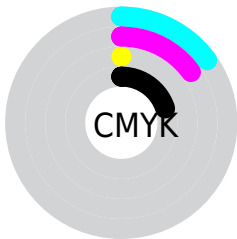
Blue (80%)



Red (68%)

Yellow (68%)

Blue (80%)

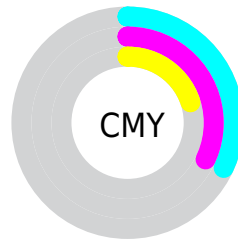


Cyan (15%)

Magenta (15%)

Yellow (0%)

Black (20%)



Cyan (32%)

Magenta (32%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 16.901, 291.811 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, 16.901, 291.811 by changing the saturation by 10% instead.

■ 72, 16.901,
291.811

■ 72, 16.901,
291.811

■ 100, 16.901,
291.811

■ 62, 16.901,
291.811

■ 92, 16.901,
291.811

■ 52, 16.901,
291.811

■ 42, 16.901,
291.811

■ 32, 16.901,
291.811

■ 22, 16.901,
291.811

■ 12, 16.901,
291.811

■ 2, 16.901, 291.811

0, 16.901, 291.811

72, 16.901,
291.811

72, 16.901,
291.811

65, 28.660,
293.131

79, 5.617, 290.694

86, 5.223, 109.718

58, 40.931,
294.685

92, 15.656,
108.917

51, 53.722,
296.489

99, 25.253,
108.262

45, 66.963,
298.527

38, 80.380,
300.723

33, 93.249,
302.894

■ 28, 104.143,
304.733

■ 26, 111.181,
305.905

■ 25, 113.501,
306.286

Harmonies

Complementary

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



72, 16.901, 291.811



82, 16.328, 108.718

Rectangle

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



72, 16.901, 291.811



72, 16.901, 341.811



72, 16.901, 111.811



72, 16.901, 161.811

Sweetspot

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



72, 16.899, 291.808



96, 6.544, 290.687



80, 10.877, 197.192



51, 4.470, 290.760



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 16.899, 291.808



85, 24.167, 292.196



73, 17.749, 309.183



39, 6.243, 291.145



19, 96.926, 306.286



1, 23.533, 292.444

Inverse Universe

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



74, 11.962, 20.384



88, 17.206, 20.657



81, 17.374, 127.803



40, 4.369, 19.919



34, 75.550, 39.820



4, 17.910, 19.401

Previews

White Background



This preview shows how the CIELCh color 72, 16.901, 291.811 looks on a white background.

Color Contrast Check

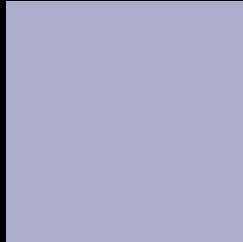
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 72, 16.901, 291.811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

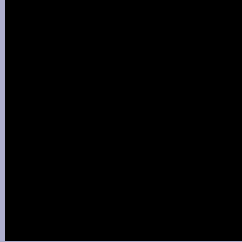
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

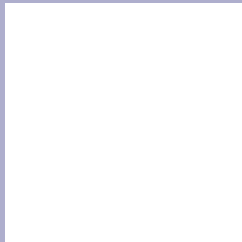
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 16.901, 291.811

Background



This preview shows how black text looks on a background with the CIELCh color 72, 16.901, 291.811.



This preview shows how white text looks on a background with the CIELCh color 72, 16.901, 291.811.

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

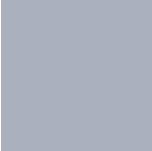
72, 16.901, 291.811

Protanopia

72, 16.915, 287.125

Deuteranopia

72, 18.273, 300.729



Tritanopia
72, 7.803, 277.608

Trichromacy



Original Color
72, 16.901, 291.811

Protanomaly
72, 16.897, 288.288

Deuteranomaly
72, 17.573, 297.565

Tritanomaly
72, 10.934, 285.645

Monochromacy



Original Color
72, 16.901, 291.811

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 5.987, 290.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 16.901, 291.811 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(174, 174, 205)` looks like.

```
.text, #text, p{  
    color:rgb(174, 174, 205)  
}
```

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(174, 174, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 174, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 16.901, 291.811 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(174, 174, 205) }
```

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

```
.border{ border-color:rgb(174, 174, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 174, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 174, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 174, 205);  
box-shadow:4px 4px 4px 4px rgb(174, 174,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 16.901, 291.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 174, 205) }
```

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

```
.background{ background-color: rgb(174,  
174, 205) }
```

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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