

Converting Colors

CIELCh(72, 16.533, 313.309)

Have a look what the booklet for
CIELCh(72, 16.533, 313.309)
contains.

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Color

CIELCh(72, 16.533, 313.309)

Conversions

Conversions Part 1

Format	Color
Hex	BBAAC6
RGB	187, 170, 198
RGB Percent	73%, 67%, 78%
CMY	0.2647, 0.3314, 0.2216
CMYK	0.06, 0.14, 0.00, 0.22
HSL	276°, 20%, 72%
HSV	276°, 14%, 78%
XYZ	45.3309, 43.6590, 59.7655
YIQ	178.2750, 1.1440, 12.3120

Conversions

Conversions Part 2

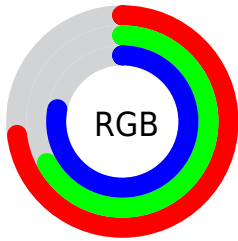
Format	Color
RYB	187, 170, 198
Decimal	12298950
CIELab	72.00, 11.34, -12.03
CIELCh	72, 16.533, 313.309
Yxy	43.6590, 0.3047, 0.2935
Android (android.graphics.Color)	4290489030 (0xFFBBAAC6)
YUV	178.2750, 9.7244, 7.6518
Hunter-Lab	66.0750, 6.8293, -7.3760

Details

The CIELCh color $72, 16.533, 313.309$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $78, 16.289, 132.126$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 16.819, 312.975$, and $52, 16.377, 313.736$ is the 20% darker color. If you saturate the color by 10%, you get $66, 28.556, 313.762$, and if you desaturate by 10%, it is $78, 4.761, 312.858$.

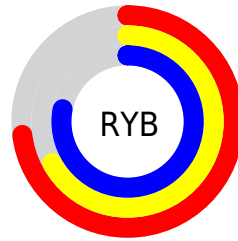
Distribution



Red (73%)

Green (67%)

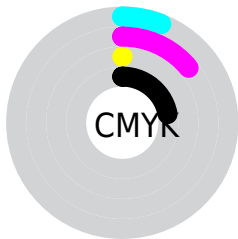
Blue (78%)



Red (73%)

Yellow (67%)

Blue (78%)

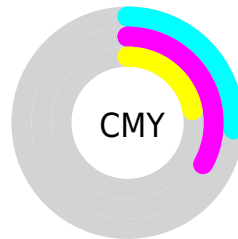


Cyan (6%)

Magenta (14%)

Yellow (0%)

Black (22%)



Cyan (26%)


Magenta (33%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 16.533, 313.309 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, 16.533, 313.309 by changing the saturation by 10% instead.


 72, 16.533,
313.309


 72, 16.533,
313.309


 100, 16.533,
313.309


 62, 16.533,
313.309


 92, 16.533,
313.309

 52, 16.533,
313.309

 42, 16.533,
313.309

 32, 16.533,
313.309

 22, 16.533,
313.309

 12, 16.533,
313.309

 2, 16.533, 313.309

■ 0, 16.533, 313.309

■ 72, 16.533,
313.309

■ 72, 16.533,
313.309

■ 66, 28.556,
313.762

■ 78, 4.761, 312.858

■ 83, 6.703, 132.515

■ 61, 40.739,
314.223

■ 89, 17.840,
132.139

■ 55, 52.910,
314.671

■ 95, 28.644,
131.808

■ 50, 64.791,
315.070

■ 97, 30.540,
128.211

■ 46, 75.956,
315.370

■ 97, 29.613,
123.109

■ 41, 85.817,
315.502

■ 98, 28.944,

■ 38, 93.668,
315.382

117.637

■ 35, 98.890,
314.927

■ 98, 28.564,
111.885

■ 34, 101.042,
314.553

■ 99, 28.483,
108.014

Harmonies

Complementary

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



72, 16.533, 313.309



78, 16.289, 132.126

Rectangle

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



72, 16.533, 313.309



72, 16.533, 3.309



72, 16.533, 133.309



72, 16.533, 183.309

Sweetspot

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



72, 16.531, 313.308



97, 5.677, 312.855



74, 9.842, 267.394



51, 4.037, 312.892



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, 16.531, 313.308



88, 24.495, 313.449



73, 17.168, 328.069



39, 6.617, 313.098



28, 87.276, 314.707



3, 22.900, 310.045

Inverse Universe

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



72, 12.159, 351.139



89, 18.033, 351.471



77, 17.137, 146.396



39, 4.859, 350.654



34, 60.750, 11.820



4, 17.000, 359.290

Previews

White Background



This preview shows how the CIELCh color 72, 16.533, 313.309 looks on a white background.

Color Contrast Check

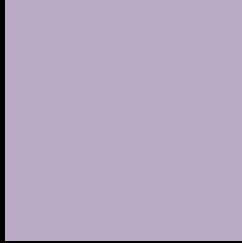
Large Text (above 18pt) WCAG AA × Fail

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, 16.533, 313.309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

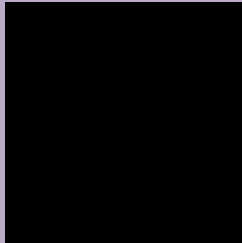
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 16.533, 313.309

Background



This preview shows how black text looks on a background with the CIELCh color 72, 16.533, 313.309.



This preview shows how white text looks on a background with the CIELCh color 72, 16.533, 313.309.

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, 16.533, 313.309

Protanopia

72, 14.728, 287.523

Deuteranopia

72, 14.880, 308.327



Tritanopia
72, 8.604, 324.792

Trichromacy



Original Color
72, 16.533, 313.309

Protanomaly
72, 15.408, 298.231

Deuteranomaly
72, 15.634, 310.313

Tritanomaly
72, 11.777, 318.911

Monochromacy



Original Color
72, 16.533, 313.309

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 5.903, 312.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 16.533, 313.309 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(187, 170, 198)` looks like.

```
.text, #text, p{  
    color:rgb(187, 170, 198)  
}
```

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(187, 170, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 170, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 16.533, 313.309 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(187, 170, 198) }
```

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

```
.border{ border-color:rgb(187, 170, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 170, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 170, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 170, 198);  
box-shadow:4px 4px 4px 4px rgb(187, 170,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 16.533, 313.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 170, 198) }
```

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

```
.background{ background-color: rgb(187,  
170, 198) }
```

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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