

Converting Colors

CIELCh(72, 20.685, 311.201)

Have a look what the booklet for
CIELCh(72, 20.685, 311.201)
contains.

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Color

CIELCh(72, 20.974, 311.752)

Conversions

Conversions Part 1

Format	Color
Hex	BDA9CD
RGB	189, 169, 205
RGB Percent	74%, 66%, 80%
CMY	0.2584, 0.3368, 0.1957
CMYK	0.08, 0.18, 0.00, 0.20
HSL	273°, 27%, 73%
HSV	273°, 18%, 80%
XYZ	46.2513, 43.6590, 63.8138
YIQ	179.0840, 0.3640, 15.4360

Conversions

Conversions Part 2

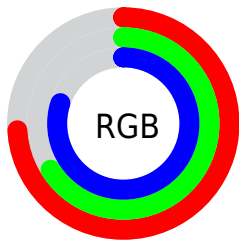
Format	Color
R _Y B	189, 169, 205
Decimal	12429773
CIE Lab	72.00, 13.97, -15.65
CIE LCh	72, 20.974, 311.752
Yxy	43.6590, 0.3009, 0.2840
Android (android.graphics.Color)	4290619853 (0xFFBDA9CD)
YUV	179.0840, 12.7766, 8.6963
Hunter-Lab	66.0750, 9.3157, -11.0085

Details

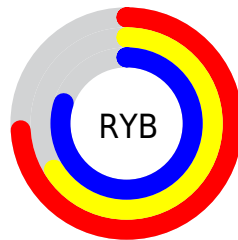
The CIELCh color $72, 20.974, 311.752$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $80, 20.538, 130.220$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 17.711, 315.517$, and $52, 20.972, 311.092$ is the 20% darker color. If you saturate the color by 10%, you get $66, 33.303, 312.234$, and if you desaturate by 10%, it is $78, 8.909, 311.289$.

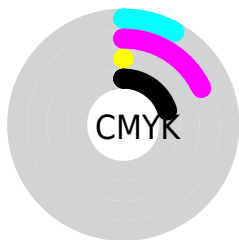
Distribution



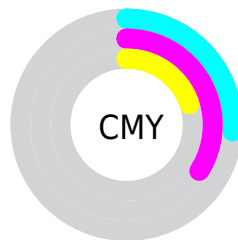
- Red (74%)
- Green (66%)
- Blue (80%)



- Red (74%)
- Yellow (66%)
- Blue (80%)



- Cyan (8%)
- Magenta (18%)
- Yellow (0%)
- Black (20%)





- Cyan (26%)
- Magenta (34%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 20.974, 311.752 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, 20.974, 311.752 by changing the saturation by 10% instead.


 72, 20.974,
311.752


 72, 20.974,
311.752


 100, 20.974,
311.752


 62, 20.974,
311.752


 92, 20.974,
311.752

 52, 20.974,
311.752

 42, 20.974,
311.752

 32, 20.974,
311.752

 22, 20.974,
311.752

 12, 20.974,
311.752

 2, 20.974, 311.752

■ 0, 20.974, 311.752

■ 72, 20.974,
311.752

■ 72, 20.974,
311.752

■ 66, 33.303,
312.234

■ 78, 8.909, 311.289

■ 84, 2.834, 130.936

■ 60, 45.796,
312.727

■ 90, 14.233,
130.517

■ 55, 58.263,
313.205

■ 96, 25.286,
130.173

■ 49, 70.391,
313.629

■ 97, 26.381,
124.782

■ 45, 81.695,
313.938

■ 98, 25.570,
117.639

■ 40, 91.498,
314.047

■ 99, 25.200,

■ 37, 99.016,
313.859

110.039

■ 34, 103.734,
313.303

■ 99, 25.181,
108.267

■ 34, 104.711,
313.155

Harmonies

Complementary

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



72, 20.974, 311.752



80, 20.538, 130.220

Rectangle

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



72, 20.974, 311.752



72, 20.974, 1.752



72, 20.974, 131.752



72, 20.974, 181.752

Sweetspot

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



72, 20.972, 311.751



96, 7.017, 311.174



75, 11.946, 263.157



51, 4.791, 311.207



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, 20.972, 311.751



85, 30.077, 311.928



73, 22.727, 326.780



40, 6.678, 311.373



27, 89.246, 313.325



3, 24.837, 308.784

Inverse Universe

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



73, 16.088, 348.339



86, 23.063, 348.729



79, 22.700, 144.699



40, 5.122, 347.528



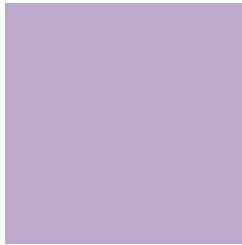
35, 61.153, 6.914



4, 19.418, 356.929

Previews

White Background



This preview shows how the CIELCh color 72, 20.974, 311.752 looks on a white background.

Color Contrast Check

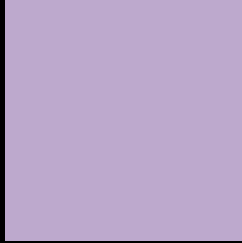
Large Text (above 18pt) WCAG AA × Fail

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, 20.974, 311.752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

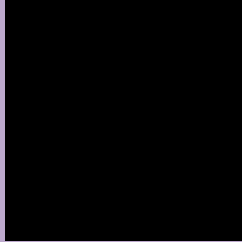
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 20.974, 311.752

Background



This preview shows how black text looks on a background with the CIELCh color 72, 20.974, 311.752.



This preview shows how white text looks on a background with the CIELCh color 72, 20.974, 311.752.

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, 20.974, 311.752

Protanopia

72, 18.561, 286.674

Deuteranopia

72, 17.736, 300.971



Tritanopia
72, 9.268, 324.824

Trichromacy



Original Color
72, 20.974, 311.752

Protanomaly
72, 19.165, 296.158

Deuteranomaly
72, 18.569, 305.065

Tritanomaly
72, 13.401, 317.056

Monochromacy



Original Color
72, 20.974, 311.752

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 7.700, 313.259

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 20.974, 311.752 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, 169, 205)` looks like.

```
.text, #text, p{  
    color:rgb(189, 169, 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(189, 169, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 169, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 20.974, 311.752 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, 169, 205) }
```

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

```
.border{ border-color:rgb(189, 169, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 169, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 169, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 169, 205);  
box-shadow:4px 4px 4px 4px rgb(189, 169,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 20.974, 311.752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 169, 205) }
```

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

```
.background{ background-color: rgb(189,  
169, 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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