

Converting Colors

CIELCh(72, 58.133, 312.075)

Have a look what the booklet for
CIELCh(72, 58.133, 312.075)
contains.

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Color

CIELCh(72, 57.577, 312.184)

Conversions

Conversions Part 1

Format	Color
Hex	D09AFF
RGB	208, 154, 255
RGB Percent	82%, 60%, 100%
CMY	0.1849, 0.3966, 0.0006
CMYK	0.18, 0.40, 0.00, 0.00
HSL	272°, 100%, 80%
HSV	272°, 40%, 100%
XYZ	55.5235, 43.6590, 99.9724
YIQ	181.6600, -0.2370, 42.8590

Conversions

Conversions Part 2

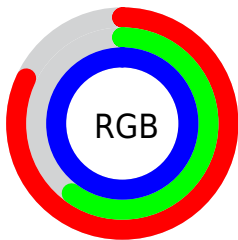
Format	Color
R _Y B	208, 154, 255
Decimal	13671167
CIE Lab	72.00, 38.66, -42.66
CIE LCh	72, 57.577, 312.184
Yxy	43.6590, 0.2788, 0.2192
Android (android.graphics.Color)	4291861247 (0xFFD09AFF)
YUV	181.6600, 36.1566, 23.1002
Hunter-Lab	66.0750, 34.3641, -43.4541

Details

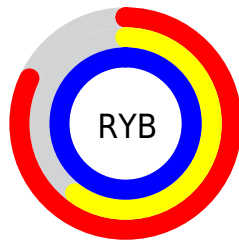
The CIELCh color $72, 57.577, 312.184$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $94, 54.615, 128.411$, and the grayscale version is $74, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 28.837, 325.429$, and $52, 57.547, 312.163$ is the 20% darker color. If you saturate the color by 10%, you get $65, 72.410, 312.682$, and if you desaturate by 10%, it is $79, 42.666, 311.668$.

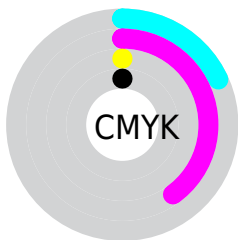
Distribution



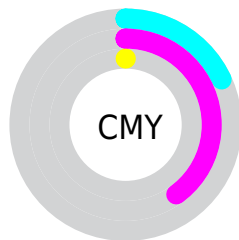
- Red (82%)
- Green (60%)
- Blue (100%)



- Red (82%)
- Yellow (60%)
- Blue (100%)



- Cyan (18%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (40%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 57.577, 312.184 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, 57.577, 312.184 by changing the saturation by 10% instead.

 72, 57.577,
312.184

 72, 57.577,
312.184


 100, 57.577,
312.184

 62, 57.577,
312.184


 92, 57.577,
312.184

 52, 57.577,
312.184

 42, 57.577,
312.184

 32, 57.577,
312.184

 22, 57.577,
312.184

 12, 57.577,
312.184

 2, 57.577, 312.184

■ 0, 57.577, 312.184

■ 72, 57.577,
312.184

■ 72, 57.577,
312.184

■ 65, 72.410,
312.682

■ 79, 42.666,
311.668

■ 59, 86.747,
313.113

■ 86, 27.935,
311.162

■ 53, 99.932,
313.407

■ 93, 13.521,
310.681

■ 48, 111.070,
313.467

■ 100, 0.070,
109.066

■ 45, 119.179,
313.184

■ 42, 123.891,
312.517

■ 42, 124.043,
312.491

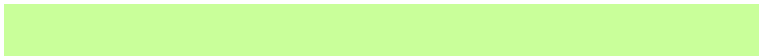
Harmonies

Complementary

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



72, 57.577, 312.184



94, 54.615, 128.411

Rectangle

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



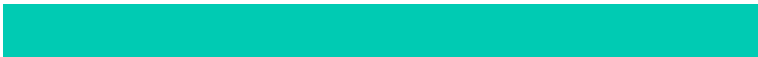
72, 57.577, 312.184



72, 57.577, 2.184



72, 57.577, 132.184



72, 57.577, 182.184

Sweetspot

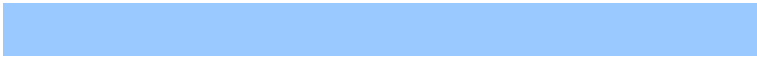
The Sweet Spot groups the original color and five complimentary colors.



72, 57.575, 312.184



91, 16.917, 310.792



80, 31.406, 265.919



48, 11.241, 310.855



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, 57.575, 312.184



66, 70.053, 312.604



77, 61.318, 327.533



49, 7.988, 310.675



31, 99.783, 312.687



6, 44.852, 313.836

Inverse Universe

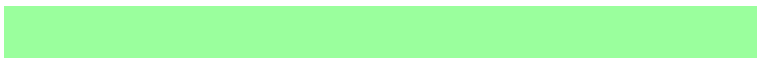
The Inverse Universe completely reimagines the original color for something new.



75, 44.359, 349.729



71, 53.425, 350.965



92, 61.447, 142.269



50, 6.239, 346.341



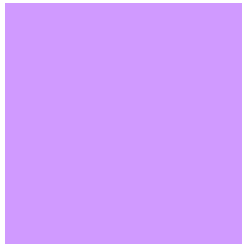
41, 68.014, 5.445



10, 31.585, 359.317

Previews

White Background



This preview shows how the CIELCh color 72, 57.577, 312.184 looks on a white background.

Color Contrast Check

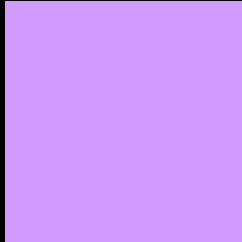
Large Text (above 18pt) WCAG AA × Fail

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, 57.577, 312.184 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, 57.577, 312.184

Background



This preview shows how black text looks on a background with the CIELCh color 72, 57.577, 312.184.

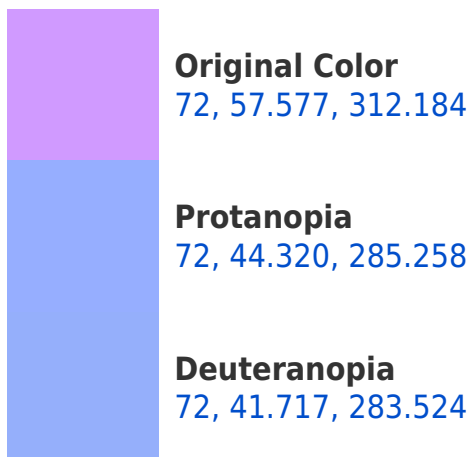



This preview shows how white text looks on a background with the CIELCh color 72, 57.577, 312.184.

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





Tritanopia
72, 12.704, 343.784

Trichromacy



Original Color
72, 57.577, 312.184



Protanomaly
72, 48.021, 296.071



Deuteranomaly
72, 46.402, 295.628

Tritanomaly
72, 28.398, 319.915

Monochromacy



Original Color
72, 57.577, 312.184



Achromatopsia
74, 0.009, 296.813



Achromatomaly
73, 20.795, 310.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 57.577, 312.184 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(208, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 154, 255)  
}
```

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(208, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 154, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 57.577, 312.184 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(208, 154, 255) }
```

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

```
.border{ border-color:rgb(208, 154, 255) }
```

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

Here you see how a box with a 4 pixel rgb(208, 154, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 154,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 57.577, 312.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 154, 255) }
```

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

```
.background{ background-color: rgb(208,  
154, 255) }
```

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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