

Converting Colors

CIELCh(72, 44.354, 312.169)

Have a look what the booklet for
CIELCh(72, 44.354, 312.169)
contains.

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Color

CIELCh(72, 44.313, 312.162)

Conversions

Conversions Part 1

Format	Color
Hex	CAA0ED
RGB	202, 160, 237
RGB Percent	79%, 63%, 93%
CMY	0.2090, 0.3736, 0.0717
CMYK	0.15, 0.33, 0.00, 0.07
HSL	273°, 68%, 78%
HSV	273°, 33%, 93%
XYZ	52.0442, 43.6590, 85.5779
YIQ	181.3360, 0.3150, 32.8510

Conversions

Conversions Part 2

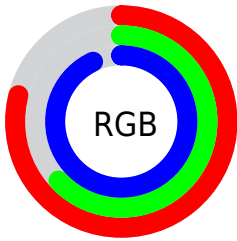
Format	Color
R _Y B	202, 160, 237
Decimal	13279469
CIE Lab	72.00, 29.74, -32.85
CIE LCh	72, 44.313, 312.162
Yxy	43.6590, 0.2871, 0.2408
Android (android.graphics.Color)	4291469549 (0xFFCAA0ED)
YUV	181.3360, 27.4424, 18.1223
Hunter-Lab	66.0750, 24.9649, -30.5377

Details

The CIELCh color $72, 44.313, 312.162$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $89, 42.525, 129.135$, and the grayscale version is $74, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 25.059, 325.297$, and $52, 44.374, 312.165$ is the 20% darker color. If you saturate the color by 10%, you get $66, 58.364, 312.665$, and if you desaturate by 10%, it is $79, 30.358, 311.661$.

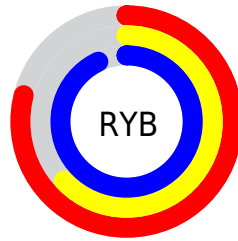
Distribution



Red (79%)

Green (63%)

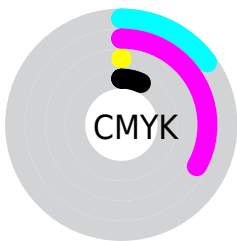
Blue (93%)



Red (79%)

Yellow (63%)

Blue (93%)

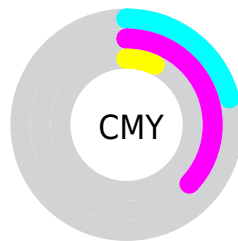


Cyan (15%)

Magenta (33%)

Yellow (0%)

Black (7%)



Cyan (21%)

Magenta (37%)

Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 44.313, 312.162 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, 44.313, 312.162 by changing the saturation by 10% instead.


 72, 44.313,
312.162


 72, 44.313,
312.162


 100, 44.313,
312.162


 62, 44.313,
312.162


 92, 44.313,
312.162


 52, 44.313,
312.162

 42, 44.313,
312.162

 32, 44.313,
312.162

 22, 44.313,
312.162

 12, 44.313,
312.162

 2, 44.313, 312.162

0, 44.313, 312.162

72, 44.313,
312.162

72, 44.313,
312.162

66, 58.364,
312.665

79, 30.358,
311.661

59, 72.238,
313.135

85, 16.665,
311.179

54, 85.479,
313.521

92, 3.315, 310.700

99, 9.651, 130.357

49, 97.412,
313.747

100, 9.261,
109.476

44, 107.165,
313.714

41, 113.873,
313.319

■ 39,116.980,
312.803

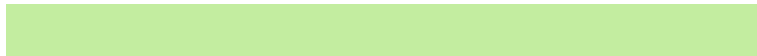
Harmonies

Complementary

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



72, 44.313, 312.162



89, 42.525, 129.135

Rectangle

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



72, 44.313, 312.162



72, 44.313, 2.162



72, 44.313, 132.162



72, 44.313, 182.162

Sweetspot

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



72, 44.311, 312.162



93, 14.092, 311.064



78, 24.347, 264.278



49, 9.632, 311.129



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, 44.311, 312.162



73, 56.750, 312.497



75, 47.730, 327.147



46, 7.476, 311.037



29, 95.539, 312.996



5, 37.903, 313.143

Inverse Universe

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



74, 34.088, 349.440



76, 43.443, 350.309



87, 47.750, 142.979



46, 5.785, 346.952



39, 65.282, 6.287



8, 28.240, 358.740

Previews

White Background



This preview shows how the CIELCh color 72, 44.313, 312.162 looks on a white background.

Color Contrast Check

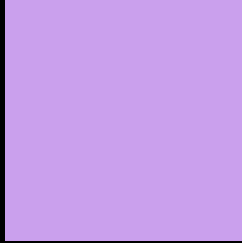
Large Text (above 18pt) WCAG AA × Fail

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, 44.313, 312.162 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, 44.313, 312.162

Background



This preview shows how black text looks on a background with the CIELCh color 72, 44.313, 312.162.

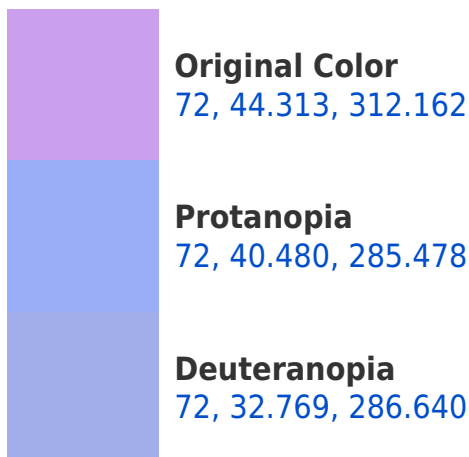


This preview shows how white text looks on a background with the CIELCh color 72, 44.313, 312.162.

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, 11.523, 339.093

Trichromacy



Original Color
72, 44.313, 312.162



Protanomaly
72, 40.920, 294.887



Deuteranomaly
72, 36.134, 297.139



Tritanomaly
72, 22.954, 319.938

Monochromacy



Original Color
72, 44.313, 312.162



Achromatopsia
74, 0.009, 296.813



Achromatomaly
73, 16.354, 312.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 44.313, 312.162 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(202, 160, 237)` looks like.

```
.text, #text, p{  
    color:rgb(202, 160, 237)  
}
```

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(202, 160, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 160, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 44.313, 312.162 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(202, 160, 237) }
```

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

```
.border{ border-color:rgb(202, 160, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 160, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 160, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 160, 237);  
box-shadow:4px 4px 4px 4px rgb(202, 160,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 44.313, 312.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 160, 237) }
```

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

```
.background{ background-color: rgb(202,  
160, 237) }
```

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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