

Converting Colors

CIELCh(72, 40.711, 313.371)

Have a look what the booklet for
CIELCh(72, 40.711, 313.371)
contains.

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Color

CIELCh(72, 40.673, 313.365)

Conversions

Conversions Part 1

Format	Color
Hex	CAA1E7
RGB	202, 161, 231
RGB Percent	79%, 63%, 91%
CMY	0.2090, 0.3697, 0.0953
CMYK	0.13, 0.30, 0.00, 0.10
HSL	275°, 59%, 77%
HSV	275°, 30%, 90%
XYZ	51.3540, 43.6590, 81.0988
YIQ	181.2390, 1.9660, 30.4620

Conversions

Conversions Part 2

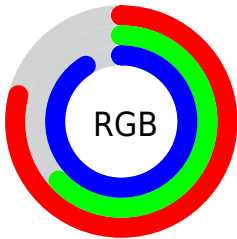
Format	Color
R _Y B	202, 161, 231
Decimal	13279719
CIE Lab	72.00, 27.93, -29.57
CIE LCh	72, 40.673, 313.365
Yxy	43.6590, 0.2916, 0.2479
Android (android.graphics.Color)	4291469799 (0xFFCAA1E7)
YUV	181.2390, 24.5322, 18.2074
Hunter-Lab	66.0750, 23.1003, -26.5186

Details

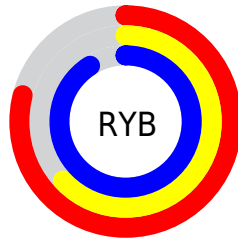
The CIELCh color $72, 40.673, 313.365$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $87, 39.311, 130.614$, and the grayscale version is $74, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 24.429, 325.275$, and $52, 40.534, 313.365$ is the 20% darker color. If you saturate the color by 10%, you get $66, 54.446, 313.838$, and if you desaturate by 10%, it is $78, 26.988, 312.890$.

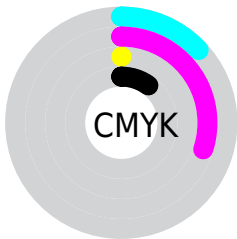
Distribution



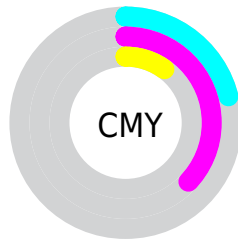
- Red (79%)
- Green (63%)
- Blue (91%)



- Red (79%)
- Yellow (63%)
- Blue (91%)



- Cyan (13%)
- Magenta (30%)
- Yellow (0%)
- Black (10%)





- Cyan (21%)
- Magenta (37%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 40.673, 313.365 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, 40.673, 313.365 by changing the saturation by 10% instead.


 72, 40.673,
313.365


 72, 40.673,
313.365


 100, 40.673,
313.365


 62, 40.673,
313.365


 92, 40.673,
313.365

 52, 40.673,
313.365

 42, 40.673,
313.365

 32, 40.673,
313.365

 22, 40.673,
313.365

 12, 40.673,
313.365

 2, 40.673, 313.365

■ 0, 40.673, 313.365

■ 72, 40.673,
313.365

■ 72, 40.673,
313.365

■ 66, 54.446,
313.838

■ 78, 26.988,
312.890

■ 60, 68.052,
314.279

■ 85, 13.550,
312.431

■ 54, 81.069,
314.642

■ 91, 0.440, 311.650

■ 49, 92.884,
314.861

■ 98, 12.302,
131.643

■ 45, 102.702,
314.848

■ 99, 12.483,
118.389

■ 42, 109.707,
314.509

■ 99, 12.299,
109.248

■ 39,113.720,
313.863

Harmonies

Complementary

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



72, 40.673, 313.365



87, 39.311, 130.614

Rectangle

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



72, 40.673, 313.365



72, 40.673, 3.365



72, 40.673, 133.365



72, 40.673, 183.365

Sweetspot

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



72, 40.671, 313.365



94, 12.781, 312.373



76, 23.551, 268.750



49, 8.897, 312.439



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, 40.671, 313.365



75, 52.588, 313.644



75, 42.204, 328.520



45, 7.408, 312.391



30, 93.724, 314.048



5, 36.142, 314.089

Inverse Universe

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



74, 30.442, 351.662



77, 39.292, 352.440



86, 42.180, 144.575



45, 5.539, 349.343



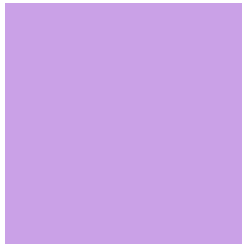
38, 64.740, 10.137



7, 26.979, 1.298

Previews

White Background



This preview shows how the CIELCh color 72, 40.673, 313.365 looks on a white background.

Color Contrast Check

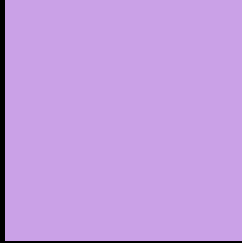
Large Text (above 18pt) WCAG AA × Fail

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, 40.673, 313.365 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, 40.673, 313.365

Background



This preview shows how black text looks on a background with the CIELCh color 72, 40.673, 313.365.

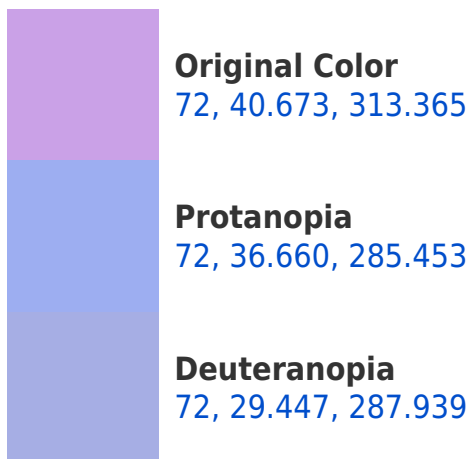



This preview shows how white text looks on a background with the CIELCh color 72, 40.673, 313.365.

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, 11.475, 342.439

Trichromacy



Original Color
72, 40.673, 313.365

Protanomaly
72, 37.162, 295.641

Deuteranomaly
72, 32.981, 298.979

Tritanomaly
72, 21.074, 322.765

Monochromacy



Original Color
72, 40.673, 313.365

Achromatopsia
74, 0.009, 296.813

Achromatomaly
73, 14.697, 313.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 40.673, 313.365 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, 161, 231)` looks like.

```
.text, #text, p{  
    color:rgb(202, 161, 231)  
}
```

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, 161, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 161, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 40.673, 313.365 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, 161, 231) }
```

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

```
.border{ border-color:rgb(202, 161, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 161, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 161, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 161, 231);  
box-shadow:4px 4px 4px 4px rgb(202, 161,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 40.673, 313.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 161, 231) }
```

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

```
.background{ background-color: rgb(202,  
161, 231) }
```

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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