

Converting Colors

CIELCh(72, 50.944, 307.646)

Have a look what the booklet for
CIELCh(72, 50.944, 307.646)
contains.

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Color

CIELCh(72, 50.495, 307.620)

Conversions

Conversions Part 1

Format	Color
Hex	C4A0FA
RGB	196, 160, 250
RGB Percent	77%, 63%, 98%
CMY	0.2323, 0.3734, 0.0205
CMYK	0.22, 0.36, 0.00, 0.02
HSL	264°, 90%, 80%
HSV	264°, 36%, 98%
XYZ	52.4571, 43.6590, 95.9119
YIQ	181.0240, -7.4340, 35.6220

Conversions

Conversions Part 2

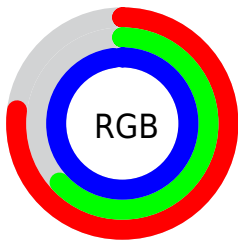
Format	Color
R _Y B	196, 160, 250
Decimal	12886266
CIE Lab	72.00, 30.82, -40.00
CIE LCh	72, 50.495, 307.620
Yxy	43.6590, 0.2732, 0.2274
Android (android.graphics.Color)	4291076346 (0xFFC4A0FA)
YUV	181.0240, 34.0052, 13.1340
Hunter-Lab	66.0750, 26.0805, -39.8106

Details

The CIELCh color $72, 50.495, 307.620$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $94, 47.356, 123.656$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 24.872, 324.605$, and $52, 50.463, 307.764$ is the 20% darker color. If you saturate the color by 10%, you get $65, 65.254, 308.317$, and if you desaturate by 10%, it is $79, 35.963, 306.957$.

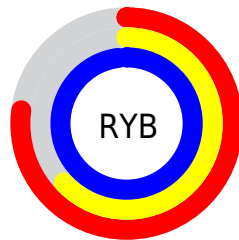
Distribution



Red (77%)

Green (63%)

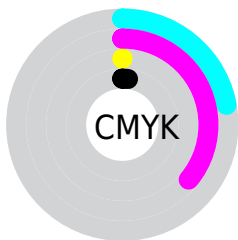
Blue (98%)



Red (77%)

Yellow (63%)

Blue (98%)

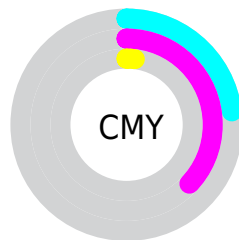


Cyan (22%)

Magenta (36%)

Yellow (0%)

Black (2%)



Cyan (23%)


Magenta (37%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 50.495, 307.620 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, 50.495, 307.620 by changing the saturation by 10% instead.


 72, 50.495,
307.620


 72, 50.495,
307.620


 100, 50.495,
307.620


 62, 50.495,
307.620


 92, 50.495,
307.620

 52, 50.495,
307.620

 42, 50.495,
307.620

 32, 50.495,
307.620

 22, 50.495,
307.620

 12, 50.495,
307.620

 2, 50.495, 307.620

0, 50.495, 307.620

72, 50.495,
307.620

72, 50.495,
307.620

65, 65.254,
308.317

79, 35.963,
306.957

58, 79.970,
309.009

86, 21.801,
306.345

52, 94.139,
309.630

94, 8.069, 305.788

46, 106.940,
310.076

100, 2.643,
109.951

41, 117.231,
310.206

38, 123.871,
309.877

■ 37,125.736,
309.668

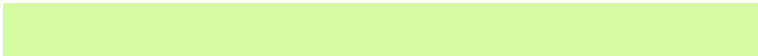
Harmonies

Complementary

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



72, 50.495, 307.620



94, 47.356, 123.656

Rectangle

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



72, 50.495, 307.620



72, 50.495, 357.620



72, 50.495, 127.620



72, 50.495, 177.620

Sweetspot

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



72, 50.493, 307.620



92, 15.097, 306.060



83, 24.473, 247.066



48, 10.166, 306.136



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, 50.493, 307.620



68, 61.811, 308.107



76, 54.788, 322.948



48, 7.656, 305.976



27, 101.642, 309.849



5, 43.087, 309.861

Inverse Universe

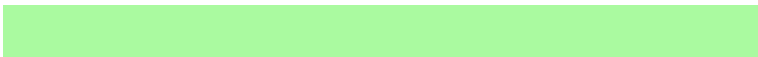
The Inverse Universe completely reimagines the original color for something new.



76, 43.021, 341.718



74, 51.924, 342.469



91, 54.359, 139.003



49, 6.725, 339.315



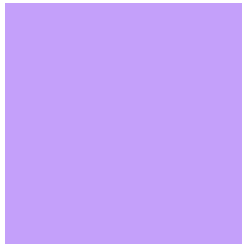
41, 69.673, 352.941



10, 32.325, 348.740

Previews

White Background



This preview shows how the CIELCh color 72, 50.495, 307.620 looks on a white background.

Color Contrast Check

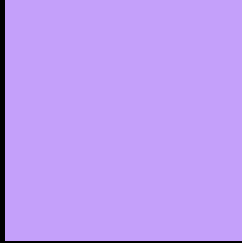
Large Text (above 18pt) WCAG AA × Fail

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, 50.495, 307.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

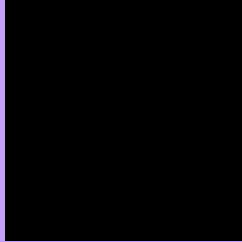
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 50.495, 307.620

Background



This preview shows how black text looks on a background with the CIELCh color 72, 50.495, 307.620.



This preview shows how white text looks on a background with the CIELCh color 72, 50.495, 307.620.

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, 8.400, 322.676

Trichromacy



Original Color
72, 50.495, 307.620

Protanomaly
72, 45.755, 293.695

Deuteranomaly
72, 43.065, 293.809

Tritanomaly
72, 23.663, 310.394

Monochromacy



Original Color
72, 50.495, 307.620

Achromatopsia
74, 0.009, 296.813

Achromatomaly
73, 18.616, 306.124

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 50.495, 307.620 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(196, 160, 250)` looks like.

```
.text, #text, p{  
    color:rgb(196, 160, 250)  
}
```

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(196, 160, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 160, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 50.495, 307.620 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(196, 160, 250) }
```

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

```
.border{ border-color:rgb(196, 160, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 160, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 160, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 160, 250);  
box-shadow:4px 4px 4px 4px rgb(196, 160,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 50.495, 307.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 160, 250) }
```

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

```
.background{ background-color: rgb(196,  
160, 250) }
```

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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