

Converting Colors

CIELCh(72, 42.769, 307.165)

Have a look what the booklet for
CIELCh(72, 42.769, 307.165)
contains.

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Color

CIELCh(72, 42.728, 307.156)

Conversions

Conversions Part 1

Format	Color
Hex	C1A3EF
RGB	193, 163, 239
RGB Percent	76%, 64%, 94%
CMY	0.2439, 0.3615, 0.0635
CMYK	0.19, 0.32, 0.00, 0.06
HSL	264°, 70%, 79%
HSV	264°, 32%, 94%
XYZ	50.5559, 43.6590, 87.2677
YIQ	180.6340, -6.5160, 29.9960

Conversions

Conversions Part 2

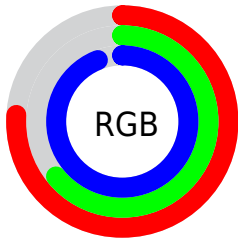
Format	Color
R _Y B	193, 163, 239
Decimal	12690415
CIE Lab	72.00, 25.81, -34.05
CIE LCh	72, 42.728, 307.156
Yxy	43.6590, 0.2786, 0.2406
Android (android.graphics.Color)	4290880495 (0xFFC1A3EF)
YUV	180.6340, 28.7744, 10.8450
Hunter-Lab	66.0750, 20.9442, -32.0541

Details

The CIELCh color $72, 42.728, 307.156$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $91, 40.397, 123.674$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 22.267, 321.389$, and $52, 42.871, 306.996$ is the 20% darker color. If you saturate the color by 10%, you get $65, 56.888, 307.848$, and if you desaturate by 10%, it is $79, 28.861, 306.508$.

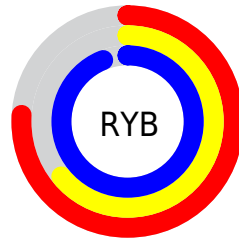
Distribution



Red (76%)

Green (64%)

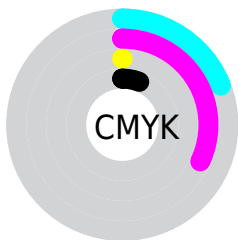
Blue (94%)



Red (76%)

Yellow (64%)

Blue (94%)

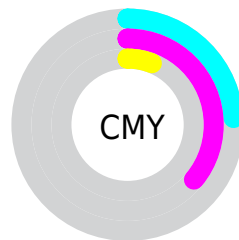


Cyan (19%)

Magenta (32%)

Yellow (0%)

Black (6%)



Cyan (24%)


Magenta (36%)

Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 42.728, 307.156 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, 42.728, 307.156 by changing the saturation by 10% instead.


 72, 42.728,
307.156

 72, 42.728,
307.156


 100, 42.728,
307.156


 62, 42.728,
307.156


 92, 42.728,
307.156

 52, 42.728,
307.156

 42, 42.728,
307.156

 32, 42.728,
307.156

 22, 42.728,
307.156

 12, 42.728,
307.156

 2, 42.728, 307.156

0, 42.728, 307.156

72, 42.728,
307.156

72, 42.728,
307.156

65, 56.888,
307.848

79, 28.861,
306.508

58, 71.150,
308.557

86, 15.386,
305.917

52, 85.139,
309.230

93, 2.338, 305.357

99, 8.368, 120.296

46, 98.210,
309.781

100, 8.201,
109.554

41, 109.385,
310.083

37, 117.487,
309.985

■ 35,121.629,
309.602

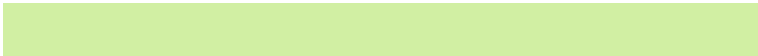
Harmonies

Complementary

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



72, 42.728, 307.156



91, 40.397, 123.674

Rectangle

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



72, 42.728, 307.156



72, 42.728, 357.156



72, 42.728, 127.156



72, 42.728, 177.156

Sweetspot

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



72, 42.726, 307.156



93, 13.691, 305.817



82, 21.043, 246.236



48, 9.361, 305.896



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, 42.726, 307.156



72, 54.276, 307.589



76, 46.735, 322.755



46, 7.392, 305.786



26, 99.674, 309.777



4, 39.192, 308.771

Inverse Universe

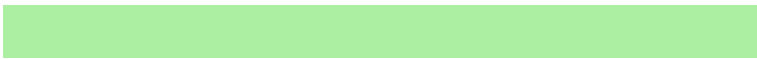
The Inverse Universe completely reimagines the original color for something new.



75, 36.814, 341.027



77, 46.249, 341.659



88, 46.389, 139.328



47, 6.523, 339.063



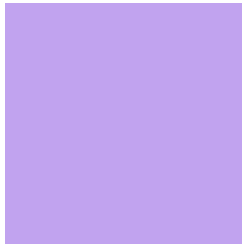
40, 68.451, 352.424



9, 30.738, 347.916

Previews

White Background



This preview shows how the CIELCh color 72, 42.728, 307.156 looks on a white background.

Color Contrast Check

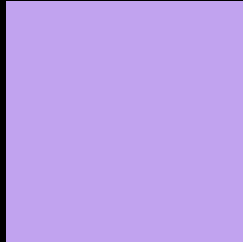
Large Text (above 18pt) WCAG AA × Fail

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, 42.728, 307.156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

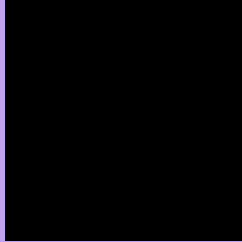
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 42.728, 307.156

Background



This preview shows how black text looks on a background with the CIELCh color 72, 42.728, 307.156.




This preview shows how white text looks on a background with the CIELCh color 72, 42.728, 307.156.

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, 8.684, 318.683

Trichromacy



Original Color
72, 42.728, 307.156

Protanomaly
72, 40.866, 293.152

Deuteranomaly
72, 37.102, 294.651

Tritanomaly
72, 21.263, 309.436

Monochromacy



Original Color
72, 42.728, 307.156

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 15.271, 306.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 42.728, 307.156 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(193, 163, 239)` looks like.

```
.text, #text, p{  
    color:rgb(193, 163, 239)  
}
```

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(193, 163, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 163, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 42.728, 307.156 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(193, 163, 239) }
```

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

```
.border{ border-color:rgb(193, 163, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 163, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 163, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 163, 239); box-shadow:4px 4px 4px 4px rgb(193, 163, 239) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 42.728, 307.156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 163, 239) }
```

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

```
.background{ background-color: rgb(193,  
163, 239) }
```

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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