

Converting Colors

CIELCh(72, 51.431, 306.577)

Have a look what the booklet for
CIELCh(72, 51.431, 306.577)
contains.

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Color

CIELCh(72, 51.416, 306.669)

Conversions

Conversions Part 1

Format	Color
Hex	C2A0FC
RGB	194, 160, 252
RGB Percent	76%, 63%, 99%
CMY	0.2391, 0.3724, 0.0116
CMYK	0.23, 0.37, 0.00, 0.01
HSL	262°, 94%, 81%
HSV	262°, 37%, 99%
XYZ	52.4118, 43.6590, 97.7923
YIQ	180.6540, -9.2680, 35.8200

Conversions

Conversions Part 2

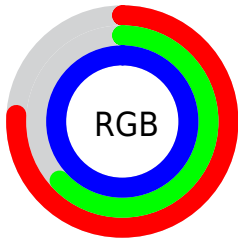
Format	Color
R_{YB}	194, 160, 252
Decimal	12755196
CIE _{Lab}	72.00, 30.71, -41.24
CIE _{LCh}	72, 51.416, 306.669
Yxy	43.6590, 0.2704, 0.2252
Android (android.graphics.Color)	4290945276 (0xFFC2A0FC)
YUV	180.6540, 35.1736, 11.7044
Hunter-Lab	66.0750, 25.9581, -41.4979

Details

The CIELCh color $72, 51.416, 306.669$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $95, 47.998, 122.453$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 24.508, 323.193$, and $52, 51.467, 306.816$ is the 20% darker color. If you saturate the color by 10%, you get $65, 66.318, 307.423$, and if you desaturate by 10%, it is $79, 36.774, 305.958$.

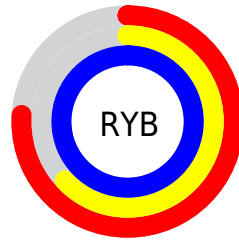
Distribution



Red (76%)

Green (63%)

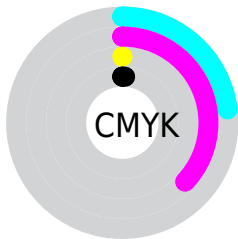
Blue (99%)



Red (76%)

Yellow (63%)

Blue (99%)

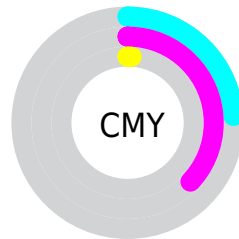


Cyan (23%)

Magenta (37%)

Yellow (0%)

Black (1%)



Cyan (24%)

Magenta (37%)

Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 51.416, 306.669 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, 51.416, 306.669 by changing the saturation by 10% instead.


 72, 51.416,
306.669

 72, 51.416,
306.669


 100, 51.416,
306.669

 62, 51.416,
306.669

 92, 51.416,
306.669

 52, 51.416,
306.669

 42, 51.416,
306.669

 32, 51.416,
306.669

 22, 51.416,
306.669

 12, 51.416,
306.669

 2, 51.416, 306.669

0, 51.416, 306.669

72, 51.416,
306.669

72, 51.416,
306.669

65, 66.318,
307.423

79, 36.774,
305.958

58, 81.214,
308.182

87, 22.530,
305.308

51, 95.595,
308.878

94, 8.734, 304.721

46, 108.608,
309.399

100, 1.490,
110.015

41, 119.045,
309.594

38, 125.695,
309.311

■ 37,127.377,
309.152

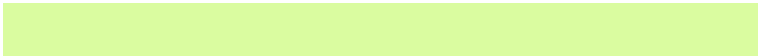
Harmonies

Complementary

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



72, 51.416, 306.669



95, 47.998, 122.453

Rectangle

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



72, 51.416, 306.669



72, 51.416, 356.669



72, 51.416, 126.669



72, 51.416, 176.669

Sweetspot

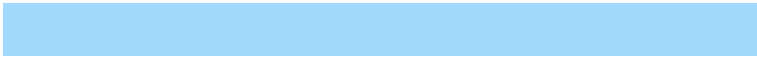
The Sweet Spot groups the original color and five complimentary colors.



72, 51.414, 306.669



92, 15.023, 304.978



84, 24.704, 244.906



48, 10.117, 305.057



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, 51.414, 306.669



67, 63.172, 307.234



76, 55.704, 322.467



48, 7.618, 304.890



27, 102.257, 309.331



5, 43.016, 309.039

Inverse Universe

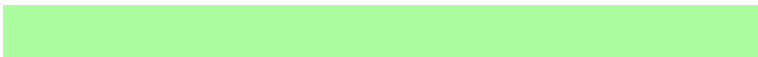
The Inverse Universe completely reimagines the original color for something new.



77, 44.768, 340.253



73, 54.082, 341.017



92, 55.180, 138.543



49, 6.870, 337.908



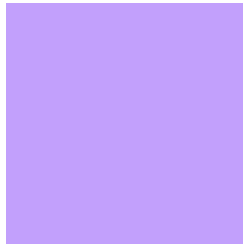
41, 70.689, 350.375



10, 32.824, 346.655

Previews

White Background



This preview shows how the CIELCh color 72, 51.416, 306.669 looks on a white background.

Color Contrast Check

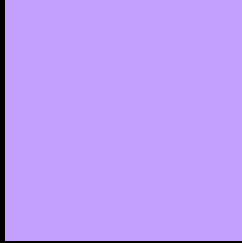
Large Text (above 18pt) WCAG AA × Fail

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, 51.416, 306.669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

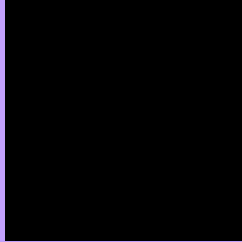
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 51.416, 306.669

Background



This preview shows how black text looks on a background with the CIELCh color 72, 51.416, 306.669.




This preview shows how white text looks on a background with the CIELCh color 72, 51.416, 306.669.

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, 8.361, 314.185

Trichromacy



Original Color
72, 51.416, 306.669

Protanomaly
72, 46.294, 293.387

Deuteranomaly
72, 43.560, 293.053

Tritanomaly
72, 24.407, 307.238

Monochromacy



Original Color
72, 51.416, 306.669

Achromatopsia
74, 0.009, 296.813

Achromatomaly
73, 19.141, 305.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 51.416, 306.669 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(194, 160, 252)` looks like.

```
.text, #text, p{  
    color:rgb(194, 160, 252)  
}
```

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(194, 160, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 160, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 51.416, 306.669 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(194, 160, 252) }
```

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

```
.border{ border-color:rgb(194, 160, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 160, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 160, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 160, 252);  
box-shadow:4px 4px 4px 4px rgb(194, 160,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 51.416, 306.669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 160, 252) }
```

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

```
.background{ background-color: rgb(194,  
160, 252) }
```

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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