

Converting Colors

CIELCh(72, 36.743, 294.589)

Have a look what the booklet for
CIELCh(72, 36.743, 294.589)
contains.

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Color

CIELCh(72, 36.562, 294.621)

Conversions

Conversions Part 1

Format	Color
Hex	ACAAED
RGB	172, 170, 237
RGB Percent	67%, 67%, 93%
CMY	0.3253, 0.3331, 0.0704
CMYK	0.27, 0.28, 0.00, 0.07
HSL	242°, 65%, 80%
HSV	242°, 28%, 93%
XYZ	46.6993, 43.6590, 86.1228
YIQ	178.2360, -20.3150, 21.2610

Conversions

Conversions Part 2

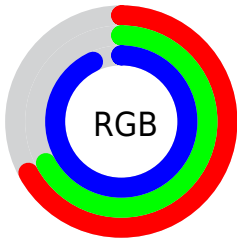
Format	Color
RYB	172, 170, 237
Decimal	11315949
CIELab	72.00, 15.23, -33.24
CIELCh	72, 36.562, 294.621
Yxy	43.6590, 0.2646, 0.2474
Android (android.graphics.Color)	4289506029 (0xFFACAAED)
YUV	178.2360, 28.9707, -5.4690
Hunter-Lab	66.0750, 10.5258, -31.0267

Details

The CIELCh color $72, 36.562, 294.621$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $92, 34.141, 108.738$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 15.674, 296.389$, and $52, 36.614, 294.587$ is the 20% darker color. If you saturate the color by 10%, you get $64, 50.566, 296.173$, and if you desaturate by 10%, it is $80, 23.134, 293.292$.

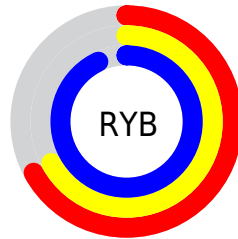
Distribution



Red (67%)

Green (67%)

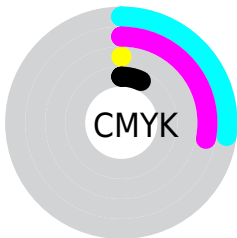
Blue (93%)



Red (67%)

Yellow (67%)

Blue (93%)

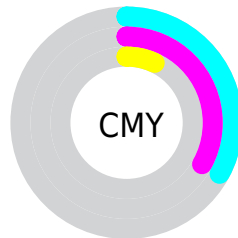


Cyan (27%)

Magenta (28%)

Yellow (0%)

Black (7%)



Cyan (33%)


Magenta (33%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 36.562, 294.621 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, 36.562, 294.621 by changing the saturation by 10% instead.


 72, 36.562,
294.621


 72, 36.562,
294.621


 100, 36.562,
294.621


 62, 36.562,
294.621


 92, 36.562,
294.621

 52, 36.562,
294.621

 42, 36.562,
294.621

 32, 36.562,
294.621

 22, 36.562,
294.621

 12, 36.562,
294.621

 2, 36.562, 294.621

■ 0, 36.562, 294.621

■ 72, 36.562,
294.621

■ 72, 36.562,
294.621

■ 64, 50.566,
296.173

■ 80, 23.134,
293.292

■ 57, 65.132,
297.955

■ 87, 10.261,
292.164

■ 49, 80.109,
299.935

■ 95, 2.099, 111.170

■ 43, 95.035,
302.006

■ 100, 9.087,
109.488

■ 37, 108.837,
303.949

■ 32, 119.656,
305.442

■ 30,125.712,
306.237

■ 30,126.489,
306.352

Harmonies

Complementary

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



72, 36.562, 294.621



92, 34.141, 108.738

Rectangle

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



72, 36.562, 294.621



72, 36.562, 344.621



72, 36.562, 114.621



72, 36.562, 164.621

Sweetspot

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



72, 36.560, 294.621



93, 10.533, 292.140



89, 21.456, 199.585



49, 7.507, 292.298



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, 36.560, 294.621



72, 47.250, 295.504



75, 38.209, 310.998



45, 7.010, 292.289



21, 103.321, 306.377



2, 35.795, 298.459

Inverse Universe

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



78, 41.719, 326.815



80, 53.068, 327.133



90, 36.783, 128.340



46, 8.288, 325.753



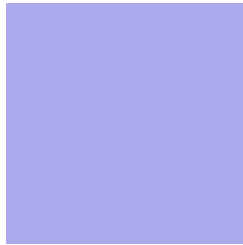
43, 87.301, 329.453



9, 37.512, 329.270

Previews

White Background



This preview shows how the CIELCh color 72, 36.562, 294.621 looks on a white background.

Color Contrast Check

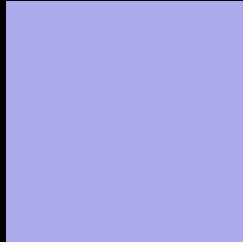
Large Text (above 18pt) WCAG AA × Fail

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, 36.562, 294.621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

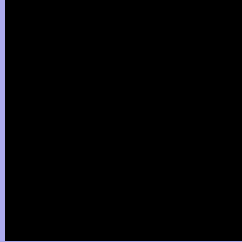
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 36.562, 294.621

Background



This preview shows how black text looks on a background with the CIELCh color 72, 36.562, 294.621.



This preview shows how white text looks on a background with the CIELCh color 72, 36.562, 294.621.

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



Original Color

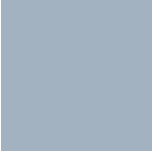
72, 36.562, 294.621

Protanopia

72, 36.128, 285.261

Deuteranopia

72, 33.897, 285.958



Tritanopia
72, 9.619, 257.572

Trichromacy



Original Color
72, 36.562, 294.621

Protanomaly
72, 35.998, 288.124

Deuteranomaly
72, 34.345, 288.697

Tritanomaly
72, 18.703, 282.550

Monochromacy



Original Color
72, 36.562, 294.621

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 13.087, 292.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 36.562, 294.621 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(172, 170, 237)` looks like.

```
.text, #text, p{  
    color:rgb(172, 170, 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(172, 170, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 170, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 36.562, 294.621 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(172, 170, 237) }
```

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

```
.border{ border-color:rgb(172, 170, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 170, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 170, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 170, 237);  
box-shadow:4px 4px 4px 4px rgb(172, 170,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 36.562, 294.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 170, 237) }
```

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

```
.background{ background-color: rgb(172,  
170, 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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