

Converting Colors

CIELCh(72, 36.881, 293.929)

Have a look what the booklet for
CIELCh(72, 36.881, 293.929)
contains.

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Color

CIELCh(72, 37.095, 294.165)

Conversions

Conversions Part 1

Format	Color
Hex	ABA AEE
RGB	171, 170, 238
RGB Percent	67%, 67%, 93%
CMY	0.3288, 0.3328, 0.0661
CMYK	0.28, 0.29, 0.00, 0.07
HSL	241°, 67%, 80%
HSV	241°, 29%, 93%
XYZ	46.6826, 43.6590, 86.9727
YIQ	178.0510, -21.2320, 21.3600

Conversions

Conversions Part 2

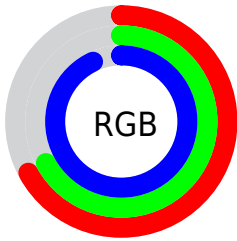
Format	Color
R _Y B	171, 170, 238
Decimal	11250414
CIE Lab	72.00, 15.19, -33.84
CIE LCh	72, 37.095, 294.165
Yxy	43.6590, 0.2633, 0.2462
Android (android.graphics.Color)	4289440494 (0xFFABAAEE)
YUV	178.0510, 29.5549, -6.1837
Hunter-Lab	66.0750, 10.4809, -31.7893

Details

The CIELCh color $72, 37.095, 294.165$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $93, 34.607, 108.047$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 15.644, 295.151$, and $52, 37.186, 294.167$ is the 20% darker color. If you saturate the color by 10%, you get $64, 51.173, 295.775$, and if you desaturate by 10%, it is $80, 23.601, 292.788$.

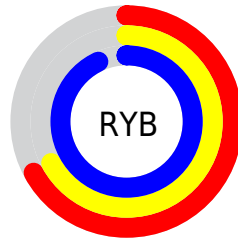
Distribution



Red (67%)

Green (67%)

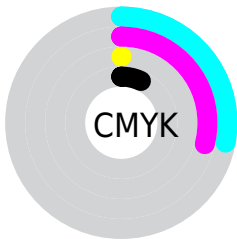
Blue (93%)



Red (67%)

Yellow (67%)

Blue (93%)

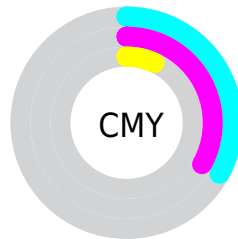


Cyan (28%)

Magenta (29%)

Yellow (0%)

Black (7%)



Cyan (33%)


Magenta (33%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 37.095, 294.165 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, 37.095, 294.165 by changing the saturation by 10% instead.


 72, 37.095,
294.165


 72, 37.095,
294.165


 100, 37.095,
294.165


 62, 37.095,
294.165


 92, 37.095,
294.165

 52, 37.095,
294.165

 42, 37.095,
294.165

 32, 37.095,
294.165

 22, 37.095,
294.165

 12, 37.095,
294.165

 2, 37.095, 294.165

■ 0, 37.095, 294.165

■ 72, 37.095,
294.165

■ 72, 37.095,
294.165

■ 64, 51.173,
295.775

■ 80, 23.601,
292.788

■ 57, 65.823,
297.627

■ 88, 10.666,
291.623

■ 49, 80.891,
299.686

■ 95, 1.751, 110.587

■ 42, 95.899,
301.839

■ 100, 8.528,
109.530

■ 37, 109.730,
303.855

■ 32, 120.461,
305.398

■ 30,126.355,
306.223

■ 30,127.003,
306.319

Harmonies

Complementary

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



72, 37.095, 294.165



93, 34.607, 108.047

Rectangle

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



72, 37.095, 294.165



72, 37.095, 344.165



72, 37.095, 114.165



72, 37.095, 164.165

Sweetspot

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



72, 37.094, 294.165



93, 11.869, 291.674



90, 22.117, 197.982



48, 8.271, 291.833



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, 37.094, 294.165



72, 47.244, 295.031



75, 38.659, 310.461



46, 7.133, 291.722



22, 104.480, 306.331



3, 37.844, 299.096

Inverse Universe

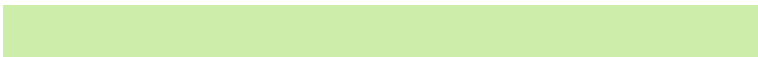
The Inverse Universe completely reimagines the original color for something new.



78, 42.736, 326.405



80, 53.608, 326.702



90, 37.141, 127.735



47, 8.523, 325.340



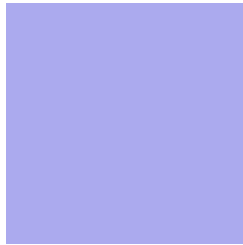
43, 89.262, 328.826



10, 39.029, 328.742

Previews

White Background



This preview shows how the CIELCh color 72, 37.095, 294.165 looks on a white background.

Color Contrast Check

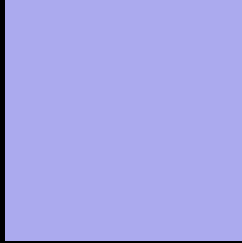
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 72, 37.095, 294.165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

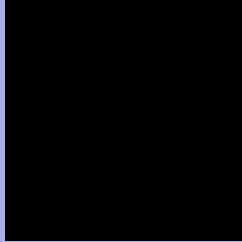
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 37.095, 294.165

Background



This preview shows how black text looks on a background with the CIELCh color 72, 37.095, 294.165.



This preview shows how white text looks on a background with the CIELCh color 72, 37.095, 294.165.

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

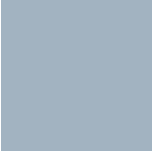
72, 37.095, 294.165

Protanopia

72, 36.660, 285.453

Deuteranopia

72, 34.463, 285.644



Tritanopia
72, 9.568, 252.130

Trichromacy



Original Color
72, 37.095, 294.165

Protanomaly
72, 36.535, 288.267

Deuteranomaly
72, 34.903, 288.328

Tritanomaly
72, 18.257, 280.101

Monochromacy



Original Color
72, 37.095, 294.165

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 13.631, 292.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 37.095, 294.165 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(171, 170, 238)` looks like.

```
.text, #text, p{  
    color:rgb(171, 170, 238)  
}
```

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(171, 170, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 170, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 37.095, 294.165 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(171, 170, 238) }
```

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

```
.border{ border-color:rgb(171, 170, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 170, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 170, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 170, 238);  
box-shadow:4px 4px 4px 4px rgb(171, 170,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 37.095, 294.165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 170, 238) }
```

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

```
.background{ background-color: rgb(171,  
170, 238) }
```

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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