

Converting Colors

CIELCh(72, 33.607, 312.044)

Have a look what the booklet for
CIELCh(72, 33.607, 312.044)
contains.

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Color

CIELCh(72, 33.607, 312.044)

Conversions

Conversions Part 1

Format	Color
Hex	C4A4DE
RGB	196, 164, 222
RGB Percent	77%, 64%, 87%
CMY	0.2306, 0.3562, 0.1287
CMYK	0.12, 0.26, 0.00, 0.13
HSL	273°, 47%, 76%
HSV	273°, 26%, 87%
XYZ	49.3302, 43.6590, 75.0663
YIQ	180.1800, 0.4540, 24.8220

Conversions

Conversions Part 2

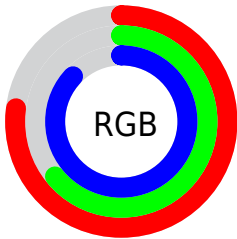
Format	Color
R_{YB}	196, 164, 222
Decimal	12887262
CIE _{Lab}	72.00, 22.51, -24.96
CIE _{LCh}	72, 33.607, 312.044
Yxy	43.6590, 0.2935, 0.2598
Android (android.graphics.Color)	4291077342 (0xFFC4A4DE)
YUV	180.1800, 20.6173, 13.8741
Hunter-Lab	66.0750, 17.6333, -21.1056

Details

The CIELCh color $72, 33.607, 312.044$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $85, 32.552, 129.673$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 22.166, 323.664$, and $52, 33.781, 312.146$ is the 20% darker color. If you saturate the color by 10%, you get $66, 46.920, 312.542$, and if you desaturate by 10%, it is $78, 20.487, 311.559$.

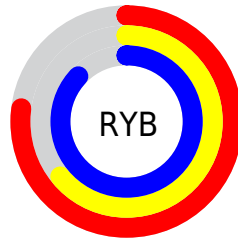
Distribution



Red (77%)

Green (64%)

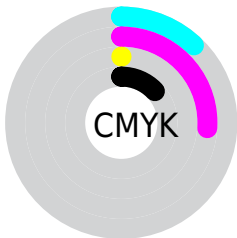
Blue (87%)



Red (77%)

Yellow (64%)

Blue (87%)

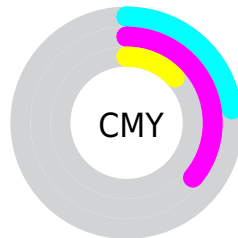


Cyan (12%)

Magenta (26%)

Yellow (0%)

Black (13%)



Cyan (23%)


Magenta (36%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 33.607, 312.044 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, 33.607, 312.044 by changing the saturation by 10% instead.


 72, 33.607,
312.044


 72, 33.607,
312.044


 100, 33.607,
312.044


 62, 33.607,
312.044


 92, 33.607,
312.044

 52, 33.607,
312.044

 42, 33.607,
312.044

 32, 33.607,
312.044

 22, 33.607,
312.044

 12, 33.607,
312.044

 2, 33.607, 312.044

0, 33.607, 312.044

72, 33.607,
312.044

72, 33.607,
312.044

66, 46.920,
312.542

78, 20.487,
311.559

60, 60.245,
313.030

85, 7.668, 311.095

54, 73.263,
313.470

91, 4.800, 130.729

97, 16.898,
130.332

49, 85.476,
313.802

99, 16.959,
120.076

44, 96.178,
313.944

99, 16.596,
108.923

40, 104.521,
313.795

■ 38,109.801,
313.263

■ 37,111.336,
313.003

Harmonies

Complementary

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



72, 33.607, 312.044



85, 32.552, 129.673

Rectangle

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



72, 33.607, 312.044



72, 33.607, 2.044



72, 33.607, 132.044



72, 33.607, 182.044

Sweetspot

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



72, 33.605, 312.044



94, 11.260, 311.186



76, 18.940, 264.675



49, 8.018, 311.255



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, 33.605, 312.044



78, 44.855, 312.299



74, 36.091, 327.271



44, 7.218, 311.249



29, 93.390, 313.178



4, 33.844, 312.266

Inverse Universe

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



73, 25.811, 349.048



80, 34.378, 349.654



83, 36.069, 144.012



44, 5.555, 347.316



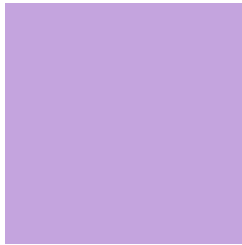
37, 63.912, 6.790



6, 25.985, 358.475

Previews

White Background



This preview shows how the CIELCh color 72, 33.607, 312.044 looks on a white background.

Color Contrast Check

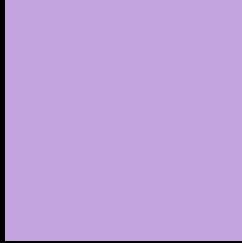
Large Text (above 18pt) WCAG AA × Fail

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, 33.607, 312.044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

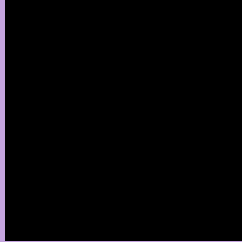
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 33.607, 312.044

Background



This preview shows how black text looks on a background with the CIELCh color 72, 33.607, 312.044.



This preview shows how white text looks on a background with the CIELCh color 72, 33.607, 312.044.

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, 33.607, 312.044

Protanopia
72, 30.092, 285.093

Deuteranopia
72, 25.616, 291.141



Tritanopia
72, 10.440, 333.462

Trichromacy



Original Color
72, 33.607, 312.044

Protanomaly
72, 30.586, 294.922

Deuteranomaly
72, 28.104, 299.683

Tritanomaly
72, 18.421, 318.445

Monochromacy



Original Color
72, 33.607, 312.044

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 12.285, 311.969

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 33.607, 312.044 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, 164, 222)` looks like.

```
.text, #text, p{  
    color:rgb(196, 164, 222)  
}
```

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, 164, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 164, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 33.607, 312.044 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, 164, 222) }
```

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

```
.border{ border-color:rgb(196, 164, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 164, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 164, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 164, 222);  
box-shadow:4px 4px 4px 4px rgb(196, 164,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 33.607, 312.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 164, 222) }
```

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

```
.background{ background-color: rgb(196,  
164, 222) }
```

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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