

Converting Colors

CIELCh(72, 30.370, 300.590)

Have a look what the booklet for
CIELCh(72, 30.370, 300.590)
contains.

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Color

CIELCh(72, 30.370, 300.590)

Conversions

Conversions Part 1

Format	Color
Hex	B5A9E0
RGB	181, 169, 224
RGB Percent	71%, 66%, 88%
CMY	0.2896, 0.3367, 0.1210
CMYK	0.19, 0.25, 0.00, 0.12
HSL	253°, 47%, 77%
HSV	253°, 25%, 88%
XYZ	46.7784, 43.6590, 76.5879
YIQ	178.8580, -10.5030, 19.6490

Conversions

Conversions Part 2

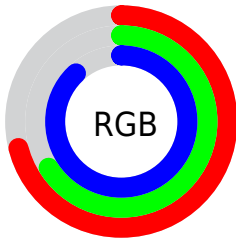
Format	Color
R_{YB}	181, 169, 224
Decimal	11905504
CIE _{Lab}	72.00, 15.46, -26.14
CIE _{LCh}	72, 30.370, 300.590
Yxy	43.6590, 0.2801, 0.2614
Android (android.graphics.Color)	4290095584 (0xFFB5A9E0)
YUV	178.8580, 22.2550, 1.8785
Hunter-Lab	66.0750, 10.7396, -22.4709

Details

The CIELCh color $72, 30.370, 300.590$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $87, 28.805, 117.061$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 16.770, 306.810$, and $52, 30.533, 300.257$ is the 20% darker color. If you saturate the color by 10%, you get $65, 43.551, 301.560$, and if you desaturate by 10%, it is $79, 17.656, 299.736$.

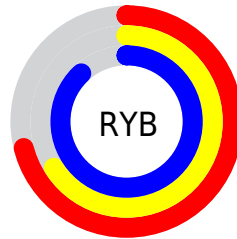
Distribution



Red (71%)

Green (66%)

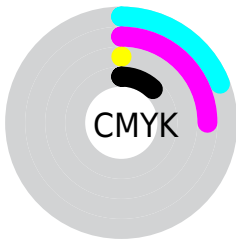
Blue (88%)



Red (71%)

Yellow (66%)

Blue (88%)

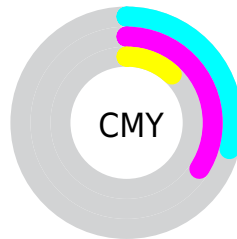


Cyan (19%)

Magenta (25%)

Yellow (0%)

Black (12%)



Cyan (29%)


Magenta (34%)


Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 30.370, 300.590 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, 30.370, 300.590 by changing the saturation by 10% instead.


 72, 30.370,
300.590


 72, 30.370,
300.590


 100, 30.370,
300.590


 62, 30.370,
300.590


 92, 30.370,
300.590

 52, 30.370,
300.590

 42, 30.370,
300.590

 32, 30.370,
300.590

 22, 30.370,
300.590

 12, 30.370,
300.590

 2, 30.370, 300.590

■ 0, 30.370, 300.590

■ 72, 30.370,
300.590

■ 72, 30.370,
300.590

■ 65, 43.551,
301.560

■ 79, 17.656,
299.736

■ 58, 57.156,
302.643

■ 86, 5.416, 298.992

■ 51, 71.039,
303.816

■ 93, 6.370, 118.358

■ 45, 84.858,
305.018

■ 99, 15.682,
114.007

■ 39, 97.916,
306.130

■ 99, 15.607,
108.998

■ 34, 109.020,
306.966

■ 31, 116.650,
307.303

■ 30, 119.439,
307.330

Harmonies

Complementary

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



72, 30.370, 300.590



87, 28.805, 117.061

Rectangle

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



72, 30.370, 300.590



72, 30.370, 350.590



72, 30.370, 120.590



72, 30.370, 170.590

Sweetspot

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



72, 30.368, 300.589



95, 9.310, 299.170



82, 15.496, 222.676



50, 6.055, 299.214



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, 30.368, 300.589



77, 40.197, 301.028



74, 32.863, 317.309



43, 6.837, 299.345



22, 99.510, 307.445



3, 32.056, 301.081

Inverse Universe

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



75, 30.432, 332.764



82, 39.907, 333.089



85, 32.302, 135.101



44, 7.006, 331.741



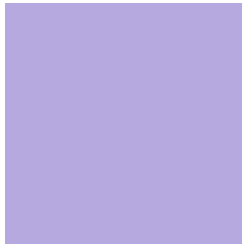
40, 73.964, 339.237



7, 30.997, 337.077

Previews

White Background



This preview shows how the CIELCh color 72, 30.370, 300.590 looks on a white background.

Color Contrast Check

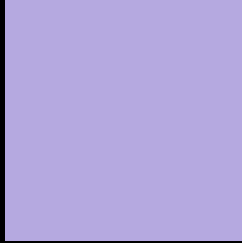
Large Text (above 18pt) WCAG AA × Fail

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, 30.370, 300.590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

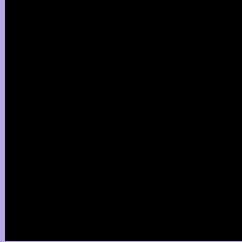
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 30.370, 300.590

Background



This preview shows how black text looks on a background with the CIELCh color 72, 30.370, 300.590.



This preview shows how white text looks on a background with the CIELCh color 72, 30.370, 300.590.

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, 30.370, 300.590

Protanopia

72, 29.554, 285.500

Deuteranopia

72, 27.255, 290.016



Tritanopia
72, 7.085, 287.943

Trichromacy



Original Color
72, 30.370, 300.590

Protanomaly
72, 29.986, 291.174

Deuteranomaly
72, 27.823, 293.511

Tritanomaly
72, 15.320, 295.602

Monochromacy



Original Color
72, 30.370, 300.590

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 11.069, 300.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 30.370, 300.590 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(181, 169, 224)` looks like.

```
.text, #text, p{  
    color:rgb(181, 169, 224)  
}
```

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(181, 169, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 169, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 30.370, 300.590 is called "border". The border property can be set on classes, ids or directly on the HTML element.

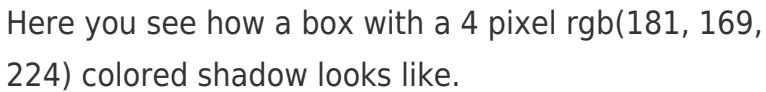
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 169, 224) }
```

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

```
.border{ border-color:rgb(181, 169, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 169, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 169, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 169, 224);  
box-shadow:4px 4px 4px 4px rgb(181, 169,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 30.370, 300.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 169, 224) }
```

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

```
.background{ background-color: rgb(181,  
169, 224) }
```

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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