

Converting Colors

CIELCh(72, 40.546, 306.975)

Have a look what the booklet for
CIELCh(72, 40.546, 306.975)
contains.

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Color

CIELCh(72, 40.470, 306.873)

Conversions

Conversions Part 1

Format	Color
Hex	C0A4EC
RGB	192, 164, 236
RGB Percent	75%, 64%, 93%
CMY	0.2482, 0.3579, 0.0757
CMYK	0.19, 0.31, 0.00, 0.08
HSL	263°, 65%, 78%
HSV	263°, 31%, 92%
XYZ	49.9877, 43.6590, 84.9226
YIQ	180.5800, -6.4240, 28.3280

Conversions

Conversions Part 2

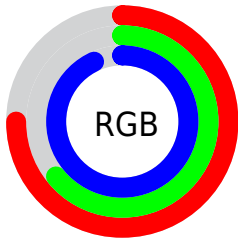
Format	Color
RYB	192, 164, 236
Decimal	12625132
CIELab	72.00, 24.28, -32.37
CIElCh	72, 40.470, 306.873
Yxy	43.6590, 0.2799, 0.2445
Android (android.graphics.Color)	4290815212 (0xFFC0A4EC)
YUV	180.5800, 27.3221, 10.0153
Hunter-Lab	66.0750, 19.4093, -29.9497

Details

The CIELCh color $72, 40.470, 306.873$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $90, 38.339, 123.517$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 21.469, 320.435$, and $52, 40.499, 306.643$ is the 20% darker color. If you saturate the color by 10%, you get $65, 54.451, 307.569$, and if you desaturate by 10%, it is $79, 26.801, 306.225$.

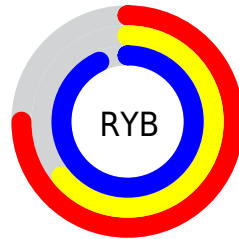
Distribution



Red (75%)

Green (64%)

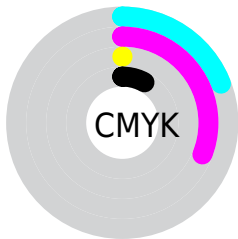
Blue (93%)



Red (75%)

Yellow (64%)

Blue (93%)

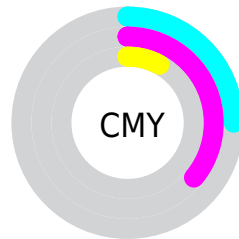


Cyan (19%)

Magenta (31%)

Yellow (0%)

Black (8%)



Cyan (25%)


Magenta (36%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 40.470, 306.873 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, 40.470, 306.873 by changing the saturation by 10% instead.


 72, 40.470,
306.873


 72, 40.470,
306.873


 100, 40.470,
306.873


 62, 40.470,
306.873


 92, 40.470,
306.873

 52, 40.470,
306.873

 42, 40.470,
306.873

 32, 40.470,
306.873

 22, 40.470,
306.873

 12, 40.470,
306.873

 2, 40.470, 306.873

0, 40.470, 306.873

72, 40.470,
306.873

72, 40.470,
306.873

65, 54.451,
307.569

79, 26.801,
306.225

58, 68.575,
308.289

86, 13.532,
305.636

52, 82.503,
308.985

93, 0.689, 304.989

46, 95.639,
309.574

99, 10.003,
121.127

41, 107.056,
309.934

100, 9.768,
109.438

37, 115.585,
309.913

■ 35,120.568,
309.508

Harmonies

Complementary

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



72, 40.470, 306.873



90, 38.339, 123.517

Rectangle

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



72, 40.470, 306.873



72, 40.470, 356.873



72, 40.470, 126.873



72, 40.470, 176.873

Sweetspot

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



72, 40.468, 306.873



93, 12.290, 305.552



81, 20.038, 245.998



49, 8.560, 305.634



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, 40.468, 306.873



73, 52.748, 307.330



75, 44.390, 322.695



45, 7.255, 305.576



26, 98.747, 309.685



4, 37.098, 307.937

Inverse Universe

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



75, 35.099, 340.612



77, 45.230, 341.259



88, 44.069, 139.424



46, 6.435, 338.787



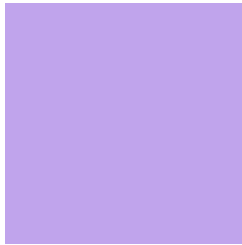
40, 67.940, 351.892



8, 29.982, 347.274

Previews

White Background



This preview shows how the CIELCh color 72, 40.470, 306.873 looks on a white background.

Color Contrast Check

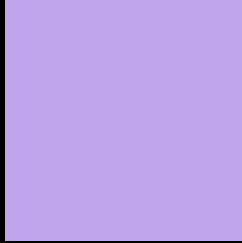
Large Text (above 18pt) WCAG AA × Fail

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, 40.470, 306.873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

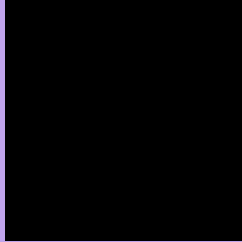
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 40.470, 306.873

Background



This preview shows how black text looks on a background with the CIELCh color 72, 40.470, 306.873.



This preview shows how white text looks on a background with the CIELCh color 72, 40.470, 306.873.

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, 8.516, 316.474

Trichromacy



Original Color
72, 40.470, 306.873

Protanomaly
72, 38.708, 293.364

Deuteranomaly
72, 35.491, 295.076

Tritanomaly
72, 20.002, 308.382

Monochromacy



Original Color
72, 40.470, 306.873

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 14.655, 305.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 40.470, 306.873 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(192, 164, 236)` looks like.

```
.text, #text, p{  
    color:rgb(192, 164, 236)  
}
```

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(192, 164, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 164, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 40.470, 306.873 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(192, 164, 236) }
```

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

```
.border{ border-color:rgb(192, 164, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 164, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 164, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 164, 236);  
box-shadow:4px 4px 4px 4px rgb(192, 164,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 40.470, 306.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 164, 236) }
```

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

```
.background{ background-color: rgb(192,  
164, 236) }
```

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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