

Converting Colors

CIELCh(72, 48.815, 298.164)

Have a look what the booklet for
CIELCh(72, 48.815, 298.164)
contains.

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Color

CIELCh(72, 48.680, 298.233)

Conversions

Conversions Part 1

Format	Color
Hex	B0A6FF
RGB	176, 166, 255
RGB Percent	69%, 65%, 100%
CMY	0.3103, 0.3495, 0.0005
CMYK	0.31, 0.35, 0.00, 0.00
HSL	247°, 100%, 83%
HSV	247°, 35%, 100%
XYZ	49.5227, 43.6590, 100.3192
YIQ	179.1360, -22.6090, 29.7990

Conversions

Conversions Part 2

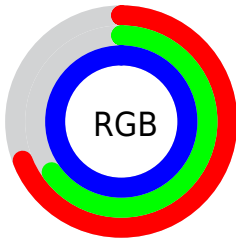
Format	Color
R _Y B	176, 166, 255
Decimal	11577087
CIE Lab	72.00, 23.03, -42.89
CIE LCh	72, 48.680, 298.233
Yxy	43.6590, 0.2559, 0.2256
Android (android.graphics.Color)	4289767167 (0xFFB0A6FF)
YUV	179.1360, 37.4010, -2.7503
Hunter-Lab	66.0750, 18.1532, -43.7653

Details

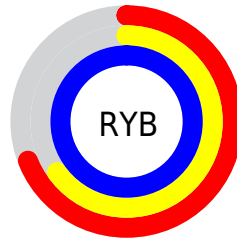
The CIELCh color $72, 48.680, 298.233$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $97, 44.659, 111.780$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 18.235, 304.522$, and $52, 48.840, 298.344$ is the 20% darker color. If you saturate the color by 10%, you get $64, 63.887, 299.653$, and if you desaturate by 10%, it is $80, 34.029, 296.988$.

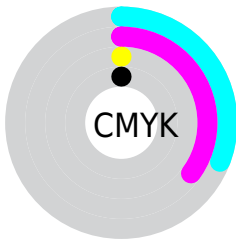
Distribution



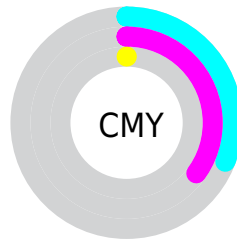
- Red (69%)
- Green (65%)
- Blue (100%)



- Red (69%)
- Yellow (65%)
- Blue (100%)



- Cyan (31%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)




- Cyan (31%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 48.680, 298.233 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, 48.680, 298.233 by changing the saturation by 10% instead.


 72, 48.680,
298.233


 72, 48.680,
298.233


 100, 48.680,
298.233

 62, 48.680,
298.233


 92, 48.680,
298.233

 52, 48.680,
298.233

 42, 48.680,
298.233

 32, 48.680,
298.233

 22, 48.680,
298.233

 12, 48.680,
298.233

 2, 48.680, 298.233

■ 0, 48.680, 298.233

■ 72, 48.680,
298.233

■ 72, 48.680,
298.233

■ 64, 63.887,
299.653

■ 80, 34.029,
296.988

■ 56, 79.523,
301.228

■ 88, 19.961,
295.914

■ 49, 95.211,
302.888

■ 96, 6.453, 294.995

■ 42, 110.090,
304.479

100, 0.051,
108.671

■ 37, 122.581,
305.756

■ 34, 130.671,
306.437

■ 33, 133.103,
306.593

Harmonies

Complementary

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



72, 48.680, 298.233



97, 44.659, 111.780

Rectangle

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



72, 48.680, 298.233



72, 48.680, 348.233



72, 48.680, 118.233



72, 48.680, 168.233

Sweetspot

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



72, 48.679, 298.233



92, 13.261, 295.444



92, 25.250, 208.479



48, 9.072, 295.575



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, 48.679, 298.233



66, 59.426, 299.222



76, 51.063, 314.054



49, 7.532, 295.398



23, 107.126, 306.664



4, 44.385, 303.944

Inverse Universe

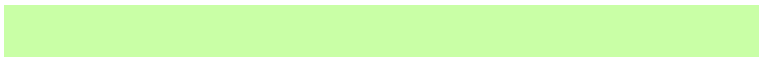
The Inverse Universe completely reimagines the original color for something new.



79, 51.481, 329.728



75, 61.457, 330.154



95, 49.159, 130.852



50, 8.385, 328.182



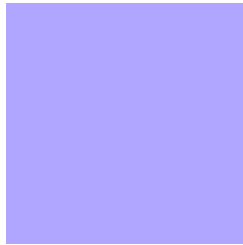
44, 85.219, 333.290



12, 39.621, 332.614

Previews

White Background



This preview shows how the CIELCh color 72, 48.680, 298.233 looks on a white background.

Color Contrast Check

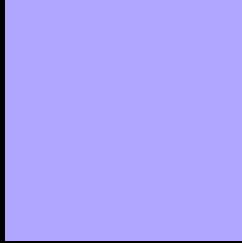
Large Text (above 18pt) WCAG AA × Fail

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, 48.680, 298.233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

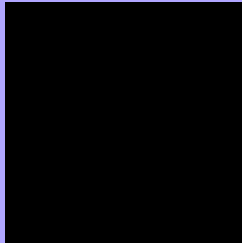
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 48.680, 298.233

Background



This preview shows how black text looks on a background with the CIELCh color 72, 48.680, 298.233.



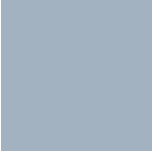
This preview shows how white text looks on a background with the CIELCh color 72, 48.680, 298.233.

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, 9.619, 257.572

Trichromacy



Original Color
72, 48.680, 298.233

Protanomaly
72, 45.750, 290.017

Deuteranomaly
72, 44.671, 289.038

Tritanomaly
72, 22.930, 287.353

Monochromacy



Original Color
72, 48.680, 298.233

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 18.061, 296.322

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 48.680, 298.233 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(176, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 166, 255)  
}
```

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(176, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 166, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 48.680, 298.233 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(176, 166, 255) }
```

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

```
.border{ border-color:rgb(176, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 166,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 48.680, 298.233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 166, 255) }
```

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

```
.background{ background-color: rgb(176,  
166, 255) }
```

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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