

Converting Colors

CIELCh(46, 71.929, 310.970)

Have a look what the booklet for
CIELCh(46, 71.929, 310.970)
contains.

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Color

CIELCh(46, 72.133, 311.011)

Conversions

Conversions Part 1

Format	Color
Hex	8850C9
RGB	136, 80, 201
RGB Percent	53%, 31%, 79%
CMY	0.4655, 0.6852, 0.2106
CMYK	0.32, 0.60, 0.00, 0.21
HSL	268°, 53%, 55%
HSV	268°, 60%, 79%
XYZ	23.6702, 15.2687, 57.1466
YIQ	110.5380, -5.4650, 49.5030

Conversions

Conversions Part 2

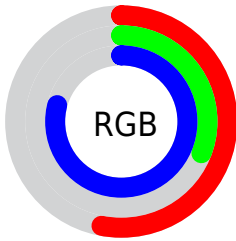
Format	Color
R _Y B	136, 80, 201
Decimal	8933577
CIE Lab	46.00, 47.33, -54.43
CIE LCh	46, 72.133, 311.011
Yxy	15.2687, 0.2463, 0.1589
Android (android.graphics.Color)	4287123657 (0xFF8850C9)
YUV	110.5380, 44.5978, 22.3302
Hunter-Lab	39.0751, 39.7470, -59.3579

Details

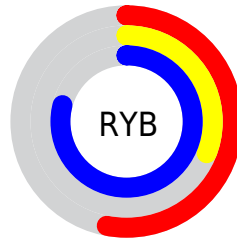
The CIELCh color **46, 72.133, 311.011** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **75, 65.273, 125.100**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 70.165, 311.417**, and **26, 72.294, 311.168** is the 20% darker color. If you saturate the color by 10%, you get **41, 83.432, 311.436**, and if you desaturate by 10%, it is **51, 60.062, 310.470**.

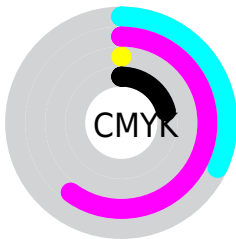
Distribution



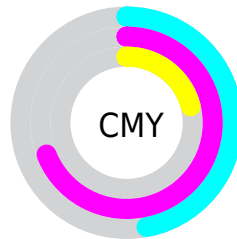
- Red (53%)
- Green (31%)
- Blue (79%)



- Red (53%)
- Yellow (31%)
- Blue (79%)



- Cyan (32%)
- Magenta (60%)
- Yellow (0%)
- Black (21%)





- Cyan (47%)
- Magenta (69%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 72.133, 311.011 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 46, 72.133, 311.011 by changing the saturation by 10% instead.


 46, 72.133,
311.011


 46, 72.133,
311.011


 100, 72.133,
311.011


 36, 72.133,
311.011

 66, 72.133,
311.011


 26, 72.133,
311.011

 76, 72.133,
311.011

 16, 72.133,
311.011

 86, 72.133,
311.011

 6, 72.133, 311.011

 96, 72.133,
311.011

 0, 72.133, 311.011

 46, 72.133,

 46, 72.133,

311.011

41, 83.432,
311.436

37, 93.219,
311.642

33, 100.603,
311.503

31, 105.329,
311.022

311.011

51, 60.062,
310.470

57, 47.726,
309.885

63, 35.432,
309.301

69, 23.353,
308.744

75, 11.578,
308.226

81, 0.148, 307.051

87, 10.927,
127.364

93, 21.648,
126.992

■ 97, 28.331,
124.377

Harmonies

Complementary

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



46, 72.133, 311.011



75, 65.273, 125.100

Rectangle

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



46, 72.133, 311.011



46, 72.133, 1.011



46, 72.133, 131.011



46, 72.133, 181.011

Sweetspot

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



46, 72.132, 311.011



87, 25.242, 308.644



59, 34.798, 262.057



44, 17.614, 308.802



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 72.132, 311.011



51, 103.294, 311.523



54, 74.506, 325.886



39, 6.416, 308.189



24, 89.977, 311.192



2, 22.227, 304.608

Inverse Universe

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



52, 55.875, 348.300



61, 76.814, 350.749



73, 74.874, 138.363



39, 5.334, 342.417



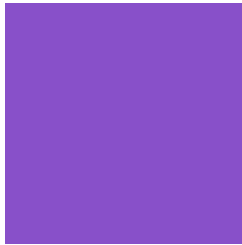
35, 61.251, 358.132



4, 18.244, 350.708

Previews

White Background



This preview shows how the CIELCh color 46, 72.133, 311.011 looks on a white background.

Color Contrast Check

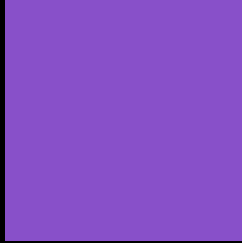
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 46, 72.133, 311.011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

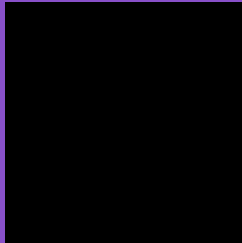
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 72.133, 311.011

Background



This preview shows how black text looks on a background with the CIELCh color 46, 72.133, 311.011.

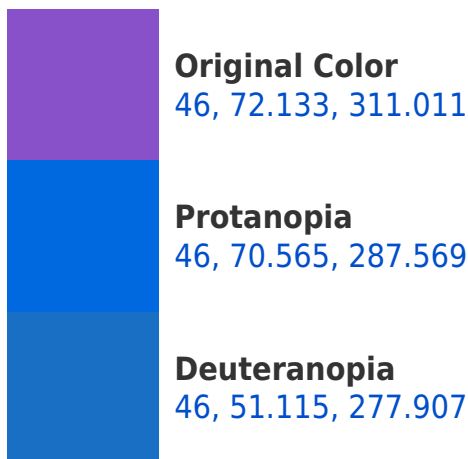



This preview shows how white text looks on a background with the CIELCh color 46, 72.133, 311.011.

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](#).

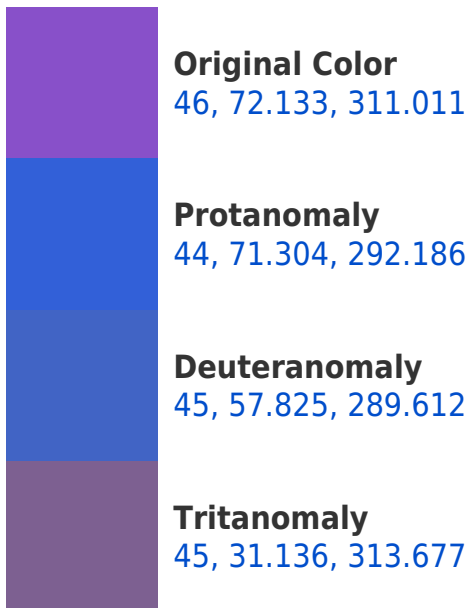
Dichromacy



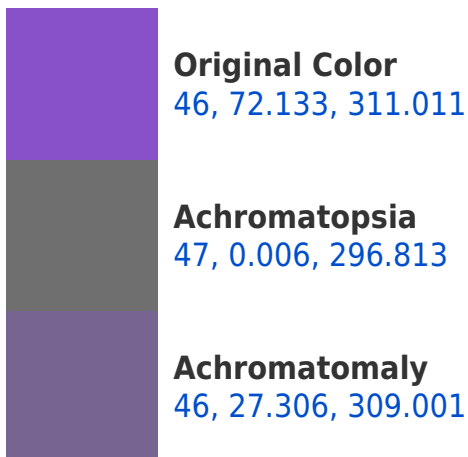


Tritanopia
46, 7.462, 340.839

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 72.133, 311.011 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(136, 80, 201)` looks like.

```
.text, #text, p{  
    color:rgb(136, 80, 201)  
}
```

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(136, 80, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 80, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 72.133, 311.011 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(136, 80, 201) }
```

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

```
.border{ border-color:rgb(136, 80, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 80, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 80, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 80, 201);  
box-shadow:4px 4px 4px 4px rgb(136, 80,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 72.133, 311.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 80, 201) }
```

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

```
.background{ background-color: rgb(136, 80,  
201) }
```

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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